

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000309.D
 Acq On : 14 Oct 2019 19:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:53:13 AM

Quant Time: Oct 15 02:21:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	327334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	558532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	506845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	250962	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	177011	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.73	113	161682	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	10.18	98	661433	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.48	95	244205	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	120367	46.226	ug/l	95
3) Chloromethane	2.12	50	161682	40.421	ug/l	98
4) Vinyl Chloride	2.25	62	171952	42.596	ug/l	100
5) Bromomethane	2.64	94	120554	40.296	ug/l	97
6) Chloroethane	2.79	64	114605	44.000	ug/l	97
7) Trichlorofluoromethane	3.13	101	258724	46.854	ug/l	100
8) Diethyl Ether	3.54	74	99597	51.056	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	161211	48.140	ug/l	95
10) Methyl Iodide	4.10	142	215218	45.236	ug/l	100
11) Tert butyl alcohol	4.96	59	87782	242.931	ug/l	100
12) 1,1-Dichloroethene	3.88	96	157171	47.541	ug/l	98
13) Acrolein	3.74	56	120090	283.472	ug/l	99
14) Allyl chloride	4.49	41	276761	50.517	ug/l	97
15) Acrylonitrile	5.18	53	273429	250.427	ug/l	98
16) Acetone	3.96	43	232780	208.177	ug/l	95
17) Carbon Disulfide	4.19	76	482035	46.309	ug/l	98
18) Methyl Acetate	4.49	43	137311	49.424	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	484163	52.608	ug/l	96
20) Methylene Chloride	4.72	84	186895	49.559	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	179788	47.400	ug/l	89
22) Diisopropyl ether	6.13	45	618324	53.362	ug/l	98
23) Vinyl Acetate	6.07	43	1952579	258.296	ug/l	99
24) 1,1-Dichloroethane	6.03	63	320404	50.658	ug/l	97
25) 2-Butanone	7.00	43	376268	238.875	ug/l	100
26) 2,2-Dichloropropane	6.99	77	271236	46.539	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	207647	50.593	ug/l	100
28) Bromochloromethane	7.35	49	145663	53.648	ug/l	99
29) Tetrahydrofuran	7.36	42	238958	250.320	ug/l	99
30) Chloroform	7.52	83	322799	50.678	ug/l	99
31) Cyclohexane	7.79	56	310555	47.011	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	278242	49.135	ug/l	100
36) 1,1-Dichloropropene	7.93	75	249234	45.577	ug/l	98
37) Ethyl Acetate	7.09	43	157255	48.566	ug/l	97
38) Carbon Tetrachloride	7.91	117	238822	45.106	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	328041	45.835	ug/l	96
40) Benzene	8.17	78	752337	47.607	ug/l	99
41) Methacrylonitrile	7.33	41	82463m	53.504	ug/l	
42) 1,2-Dichloroethane	8.25	62	213803	47.363	ug/l	100
43) Isopropyl Acetate	8.28	43	299941	48.718	ug/l	98
44) Trichloroethene	8.95	130	202274	45.618	ug/l	99
45) 1,2-Dichloropropane	9.22	63	192828	49.722	ug/l	96
46) Dibromomethane	9.32	93	104882	48.379	ug/l	97
47) Bromodichloromethane	9.50	83	252142	49.351	ug/l	99
48) Methyl methacrylate	9.30	41	133160	49.352	ug/l	96
49) 1,4-Dioxane	9.30	88	31594	971.958	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	788024	248.162	ug/l	97
52) Toluene	10.25	92	475449	47.387	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	274234	50.084	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	313616	50.435	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	157275	49.895	ug/l	98
56) Ethyl methacrylate	10.51	69	237961	52.964	ug/l	96
57) 1,3-Dichloropropane	10.79	76	272364	50.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	560411	312.717	ug/l	99
59) 2-Hexanone	10.83	43	568901	255.239	ug/l	98
60) Dibromochloromethane	10.99	129	177363	50.766	ug/l	98
61) 1,2-Dibromoethane	11.09	107	151982	50.216	ug/l	98
64) Tetrachloroethene	10.72	164	221153	45.833	ug/l	96
65) Chlorobenzene	11.52	112	507515	47.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	184440	49.086	ug/l	99
67) Ethyl Benzene	11.60	91	937472	47.277	ug/l	100
68) m/p-Xylenes	11.70	106	704725	92.967	ug/l	97
69) o-Xylene	12.03	106	339018	46.881	ug/l	97
70) Styrene	12.05	104	595419	48.822	ug/l	99
71) Bromoform	12.21	173	107980	49.989	ug/l #	98
73) Isopropylbenzene	12.33	105	917838	46.904	ug/l	100
74) N-amyl acetate	12.14	43	268941	55.983	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	175409	47.742	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	143737m	46.578	ug/l	
77) Bromobenzene	12.61	156	204323	46.923	ug/l	98
78) n-propylbenzene	12.67	91	1115015	47.458	ug/l	100
79) 2-Chlorotoluene	12.75	91	626436	48.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	780531	47.568	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	67491	47.851	ug/l	96
82) 4-Chlorotoluene	12.85	91	659791	48.105	ug/l	99
83) tert-Butylbenzene	13.07	119	657637	47.328	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	778243	48.056	ug/l	100
85) sec-Butylbenzene	13.25	105	964946	48.004	ug/l	99
86) p-Isopropyltoluene	13.37	119	841265	48.004	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	403862	47.074	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	403299	47.030	ug/l	99
89) n-Butylbenzene	13.69	91	836969	48.329	ug/l	99
90) Hexachloroethane	13.96	117	159523	49.158	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	377901	48.672	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	34136	48.988	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	250382	46.318	ug/l	99
94) Hexachlorobutadiene	15.11	225	129149	44.147	ug/l	99
95) Naphthalene	15.23	128	595639	49.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	229989	47.207	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

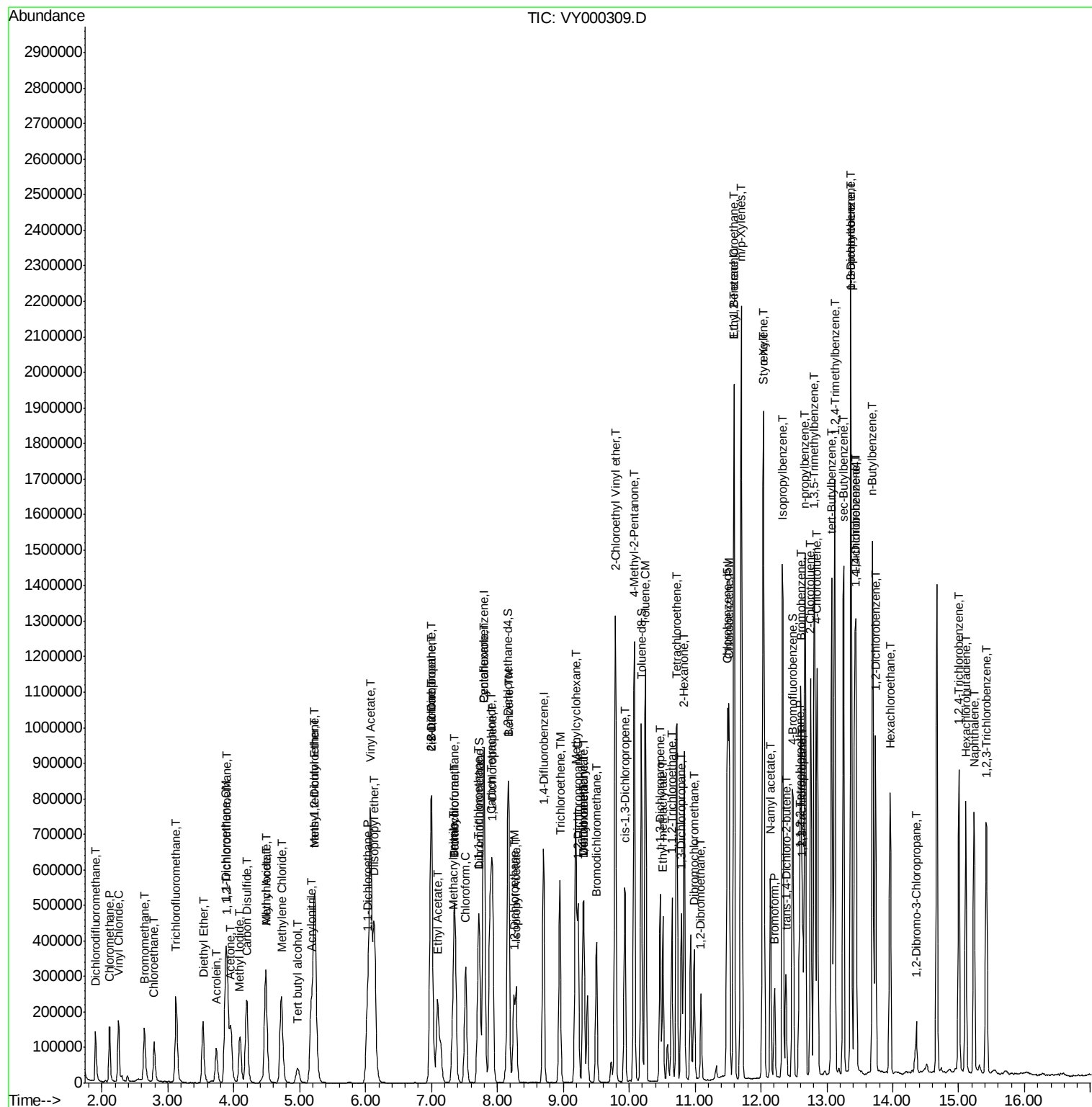
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
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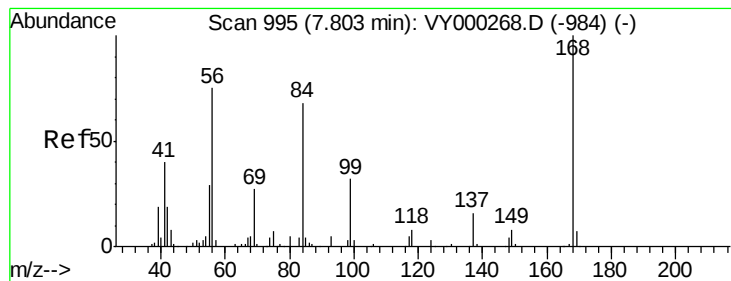
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 327334

Ion Ratio Lower Upper

168 100

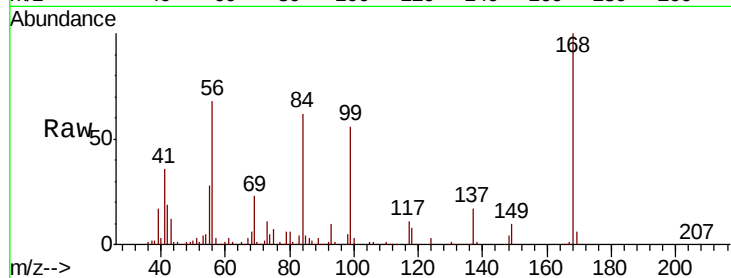
99 56.3 46.6 69.8

Manual Integrations

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MMDadoda

10/16/2019 12:53:13 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

150000

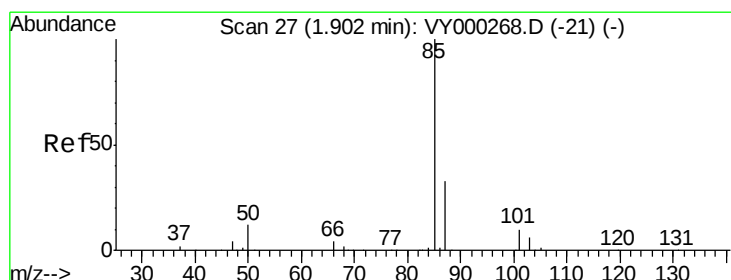
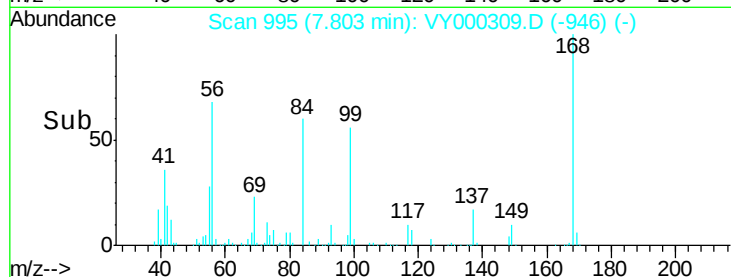
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.226 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000309.D

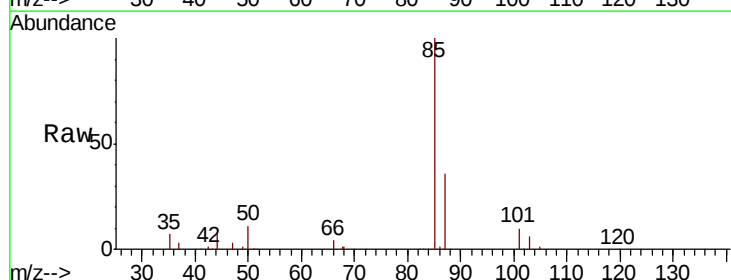
Acq: 14 Oct 2019 19:03

Tgt Ion: 85 Resp: 120367

Ion Ratio Lower Upper

85 100

87 36.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

80000

60000

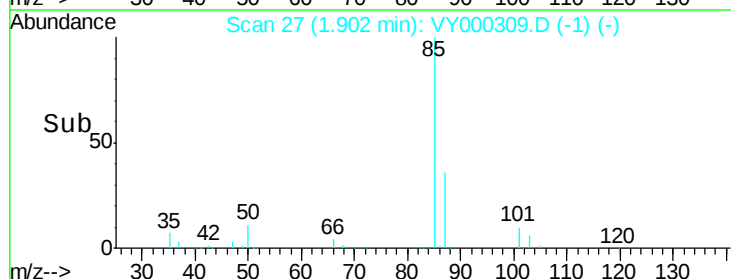
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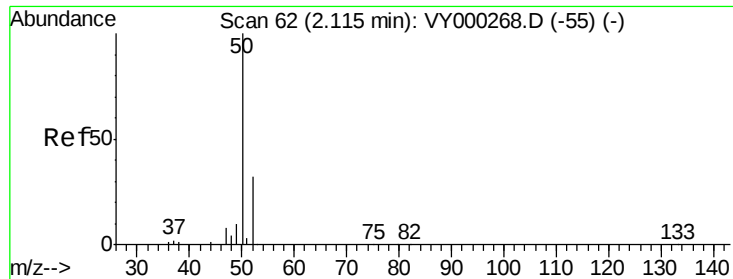
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 40.421 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 161682

Ion Ratio Lower Upper

50 100

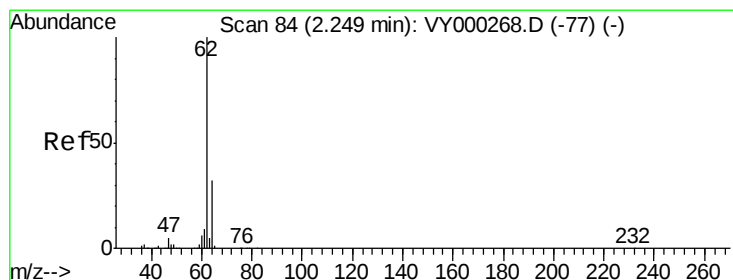
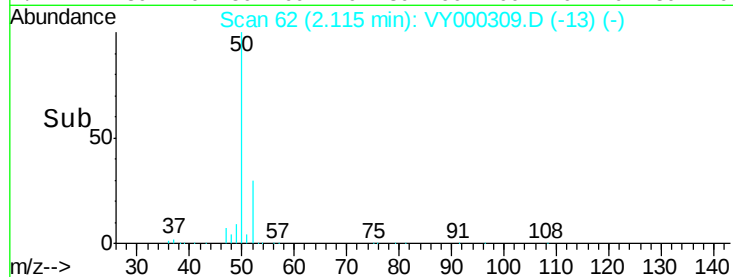
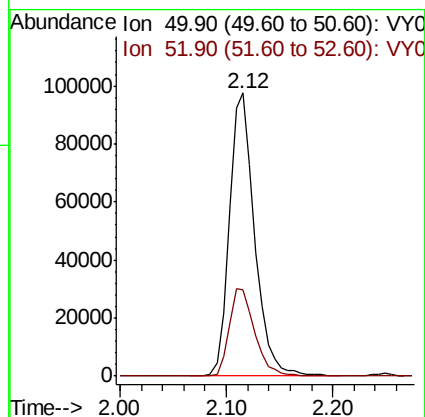
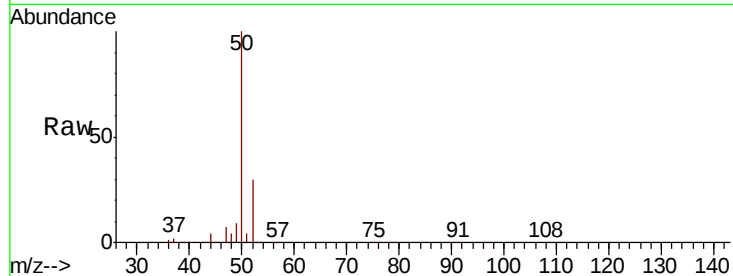
52 30.5 25.3 37.9

Manual Integrations

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MMDadoda

10/16/2019 12:53:13 AM



#4

Vinyl Chloride

Concen: 42.596 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000309.D

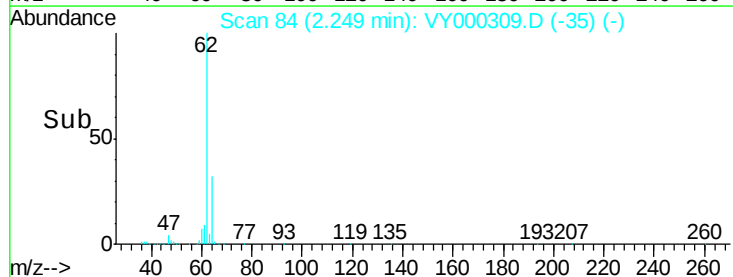
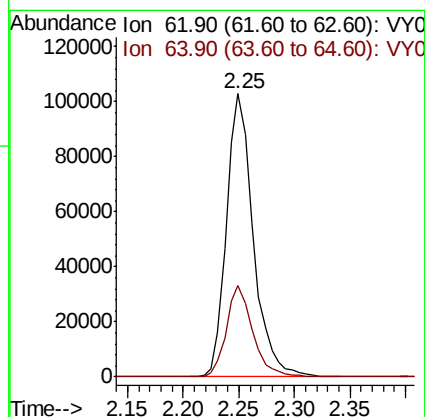
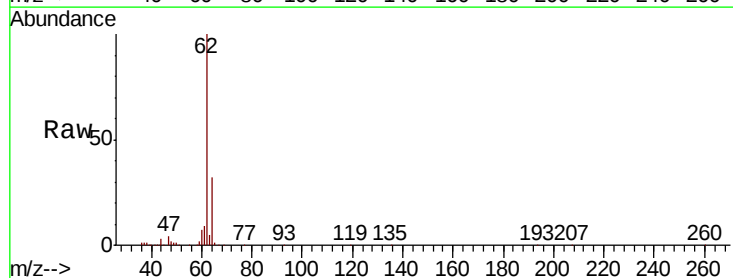
Acq: 14 Oct 2019 19:03

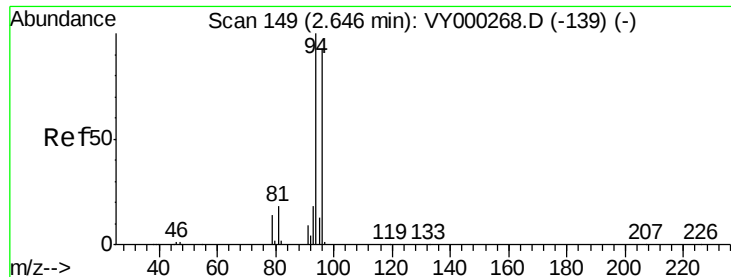
Tgt Ion: 62 Resp: 171952

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 40.296 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 120554

Ion Ratio Lower Upper

94 100

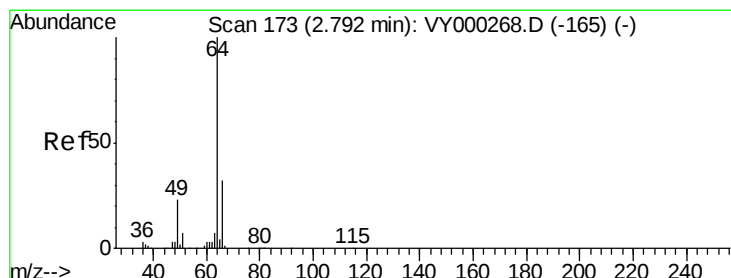
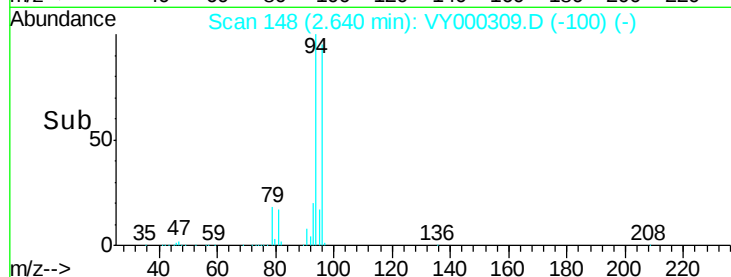
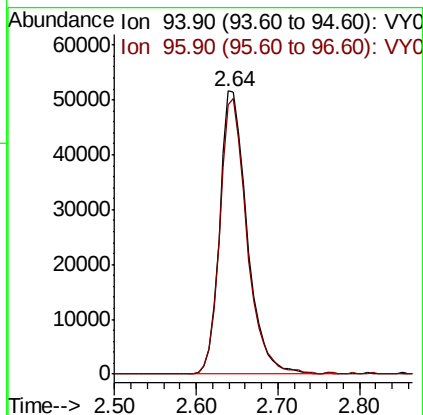
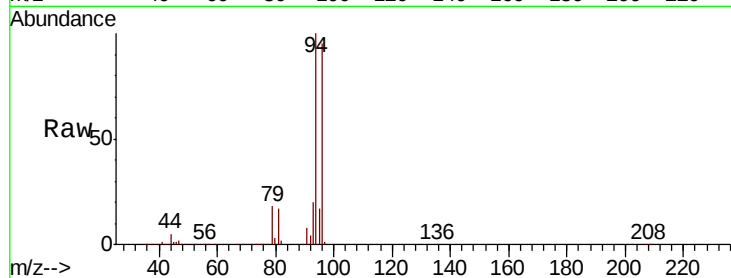
96 95.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 44.000 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000309.D

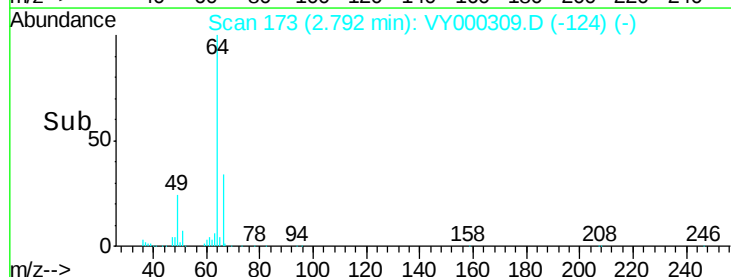
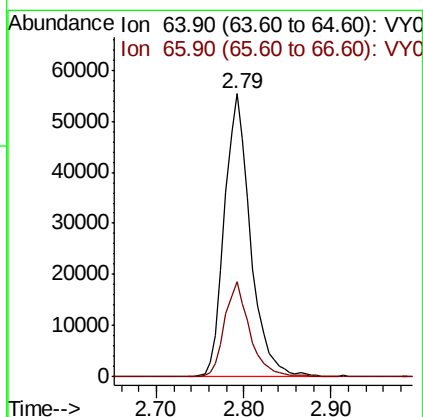
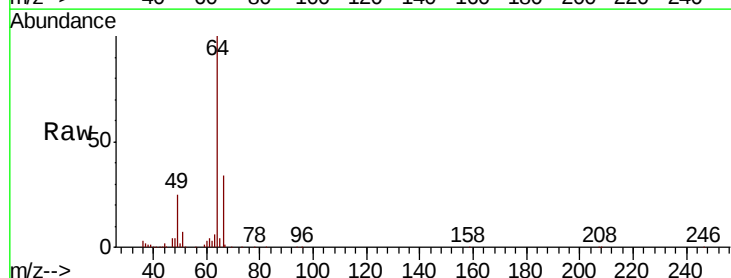
Acq: 14 Oct 2019 19:03

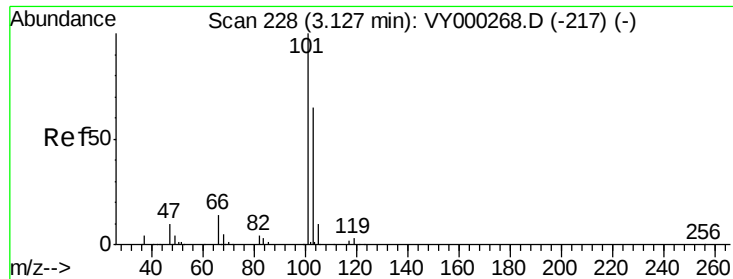
Tgt Ion: 64 Resp: 114605

Ion Ratio Lower Upper

64 100

66 33.6 25.6 38.4





#7

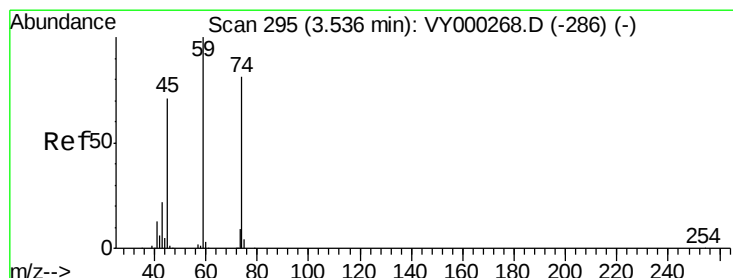
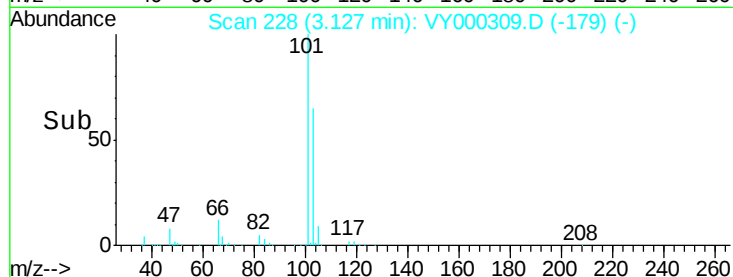
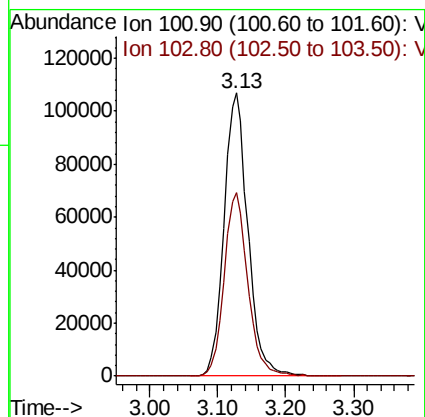
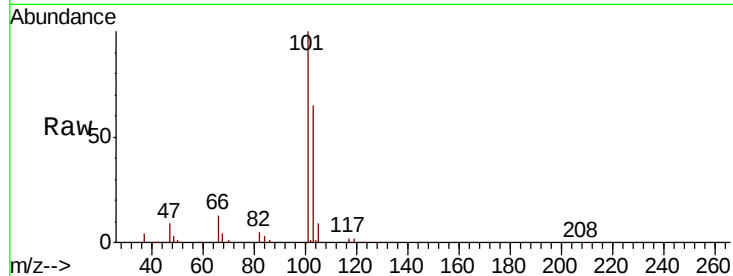
Trichlorofluoromethane
Concen: 46.854 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4

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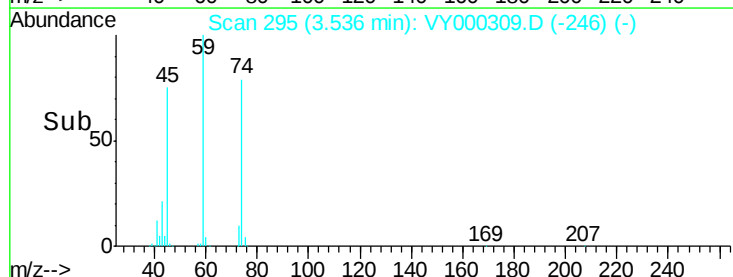
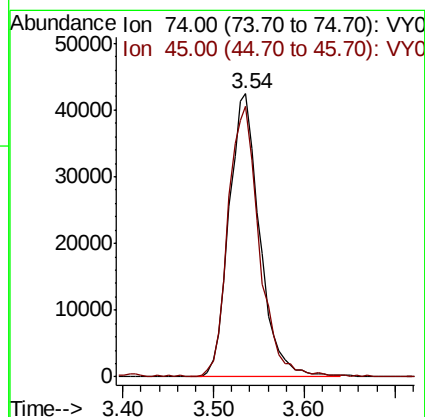
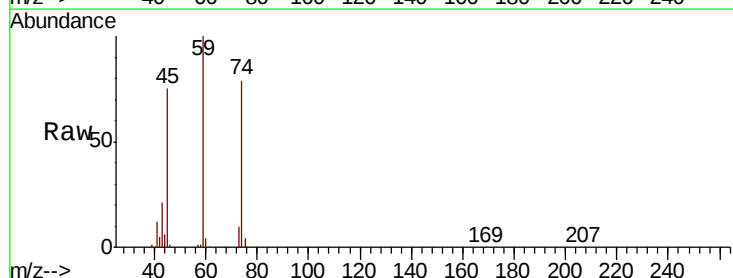
MMDadoda
10/16/2019 12:53:13 AM

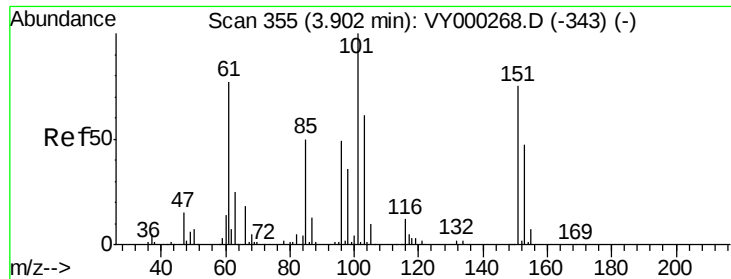


#8

Diethyl Ether
Concen: 51.056 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.140 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

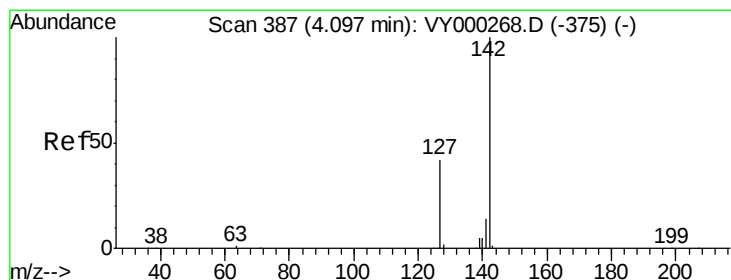
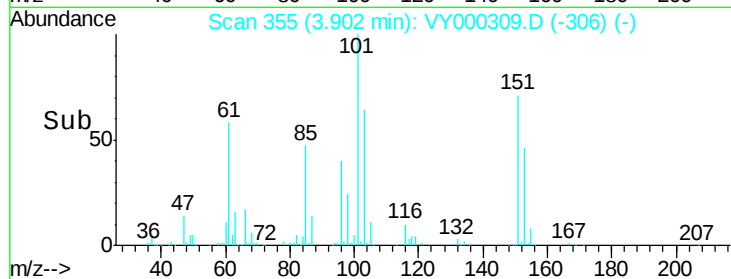
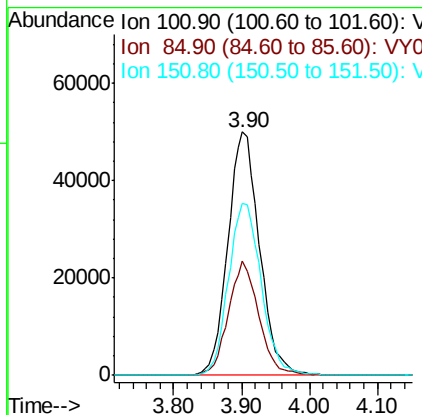
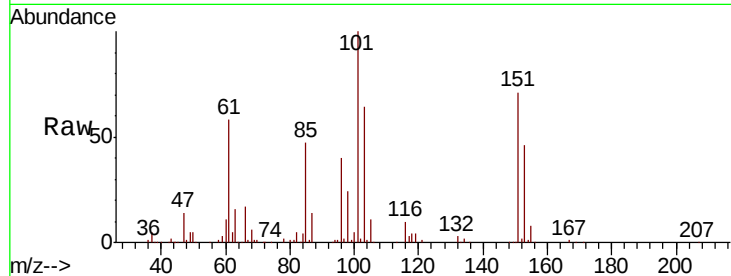
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	161211
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	72.9	63.1	94.7

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#10

Methyl Iodide

Concen: 45.236 ug/l

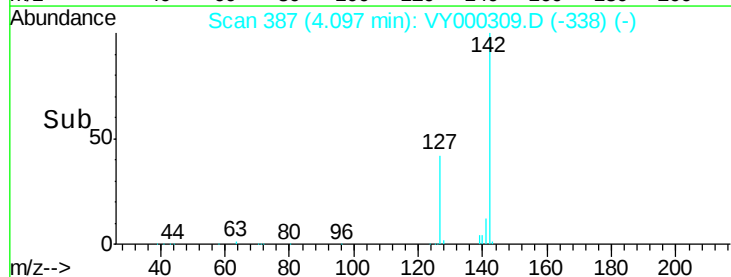
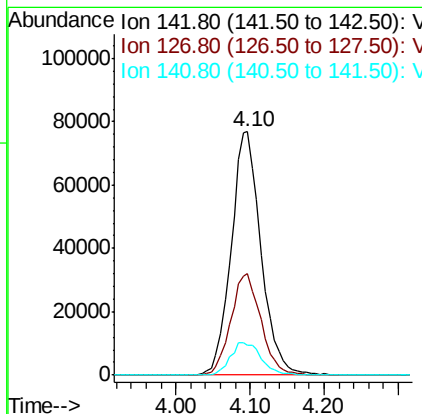
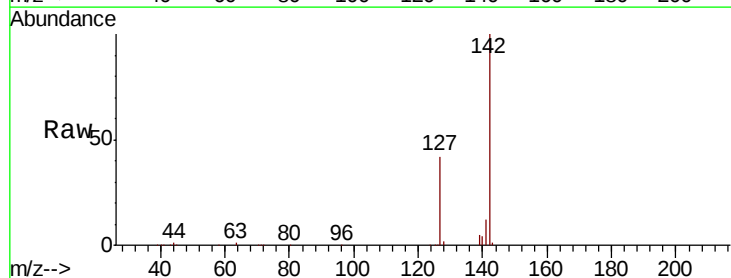
RT: 4.10 min Scan# 387

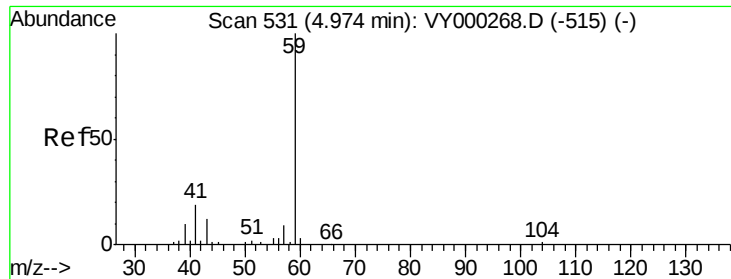
Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	142	Resp:	215218
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	13.8	11.2	16.8





#11

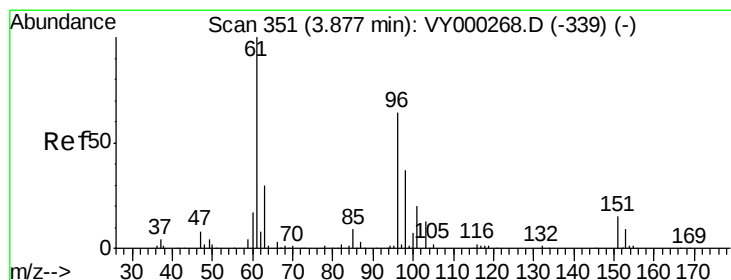
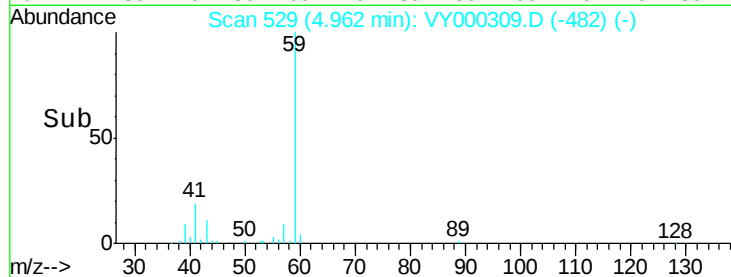
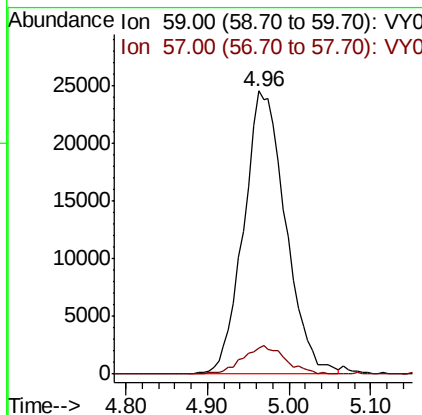
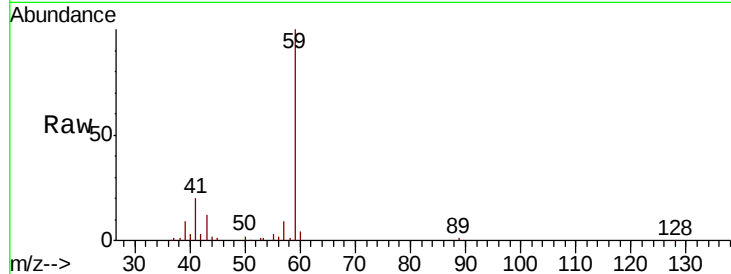
Tert butyl alcohol
 Concen: 242.931 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	87782
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

Manual Integrations
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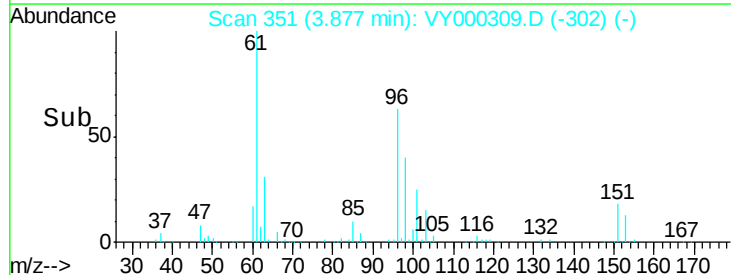
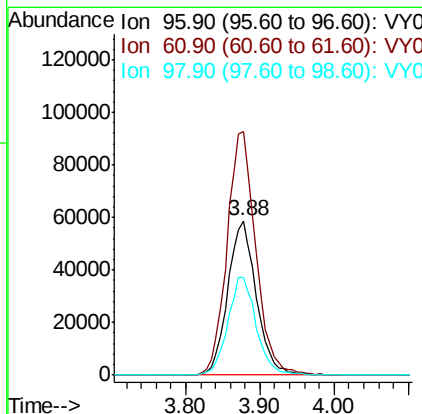
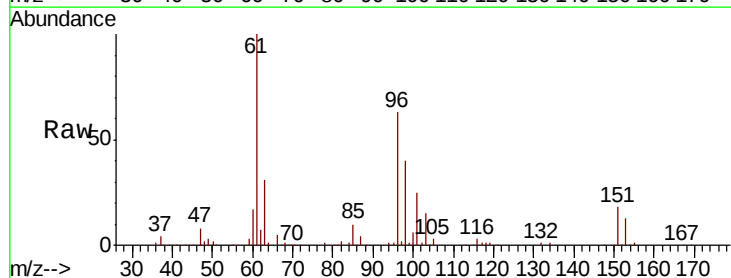
MMDadoda
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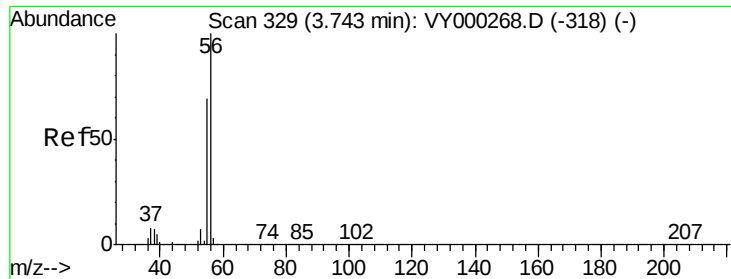


#12

1,1-Dichloroethene
 Concen: 47.541 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion	96	Resp	157171
Ion Ratio	100	Lower	Upper
61	157.8	125.8	188.6
98	63.5	46.2	69.2





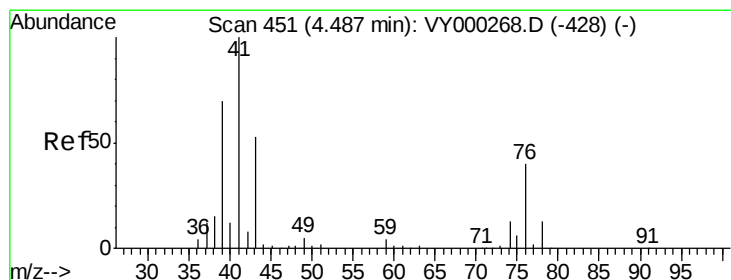
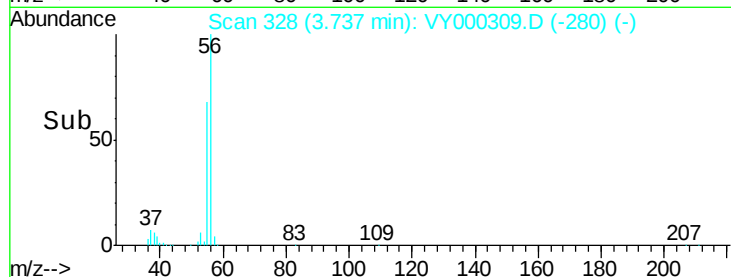
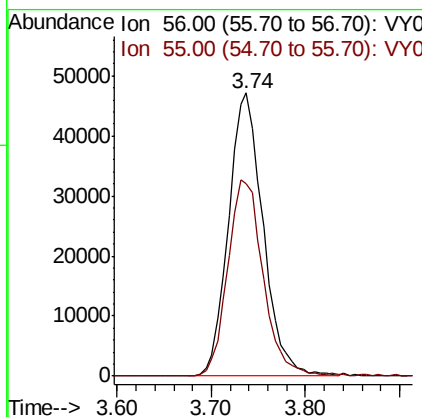
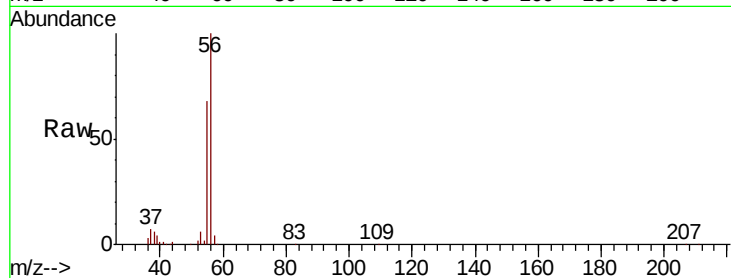
#13
Acrolein
Concen: 283.472 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	120090
Ion Ratio	100	Lower	Upper
55	70.7	55.7	83.5

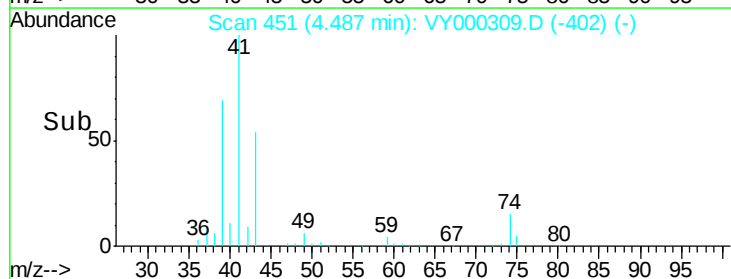
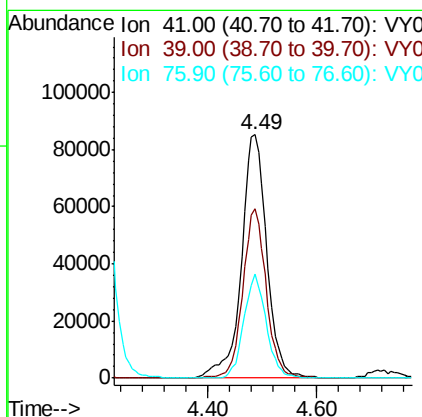
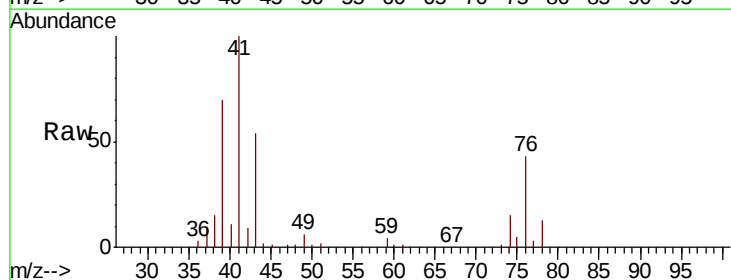
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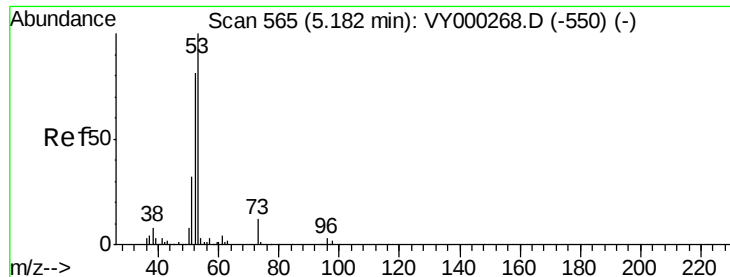
MMDadoda
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#14
Allyl chloride
Concen: 50.517 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	41	Resp	276761
Ion Ratio	100	Lower	Upper
39	64.0	54.0	81.0
76	37.7	30.7	46.1





#15

Acrylonitrile

Concen: 250.427 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

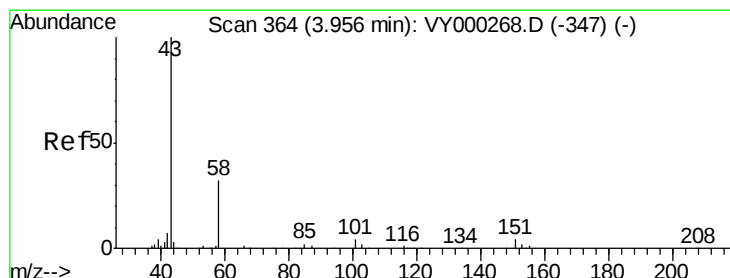
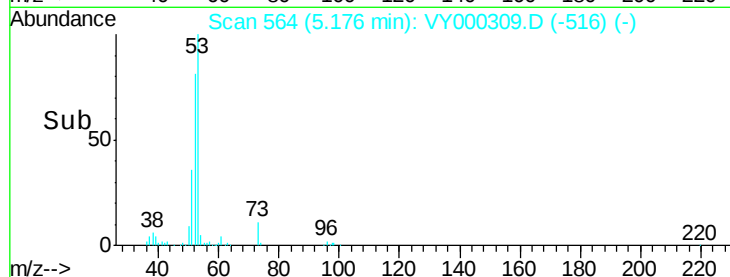
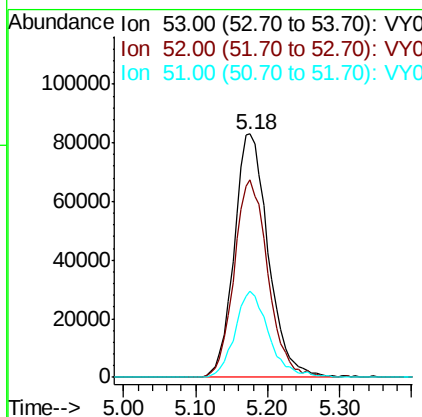
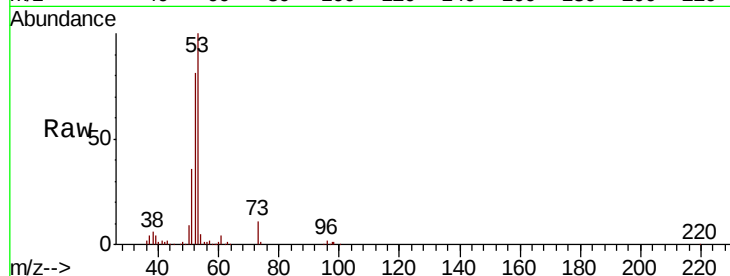
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	273429
Ion	Ratio	Lower	Upper
53	100		
52	80.4	62.9	94.3
51	35.3	26.9	40.3

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#16

Acetone

Concen: 208.177 ug/l

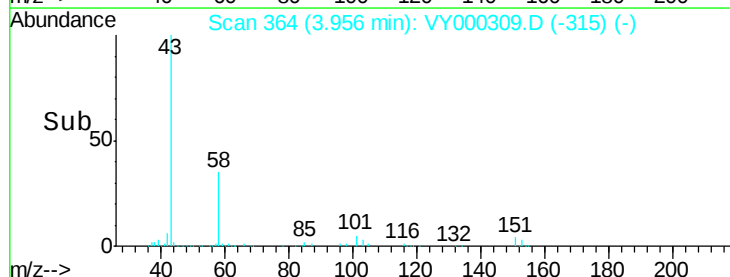
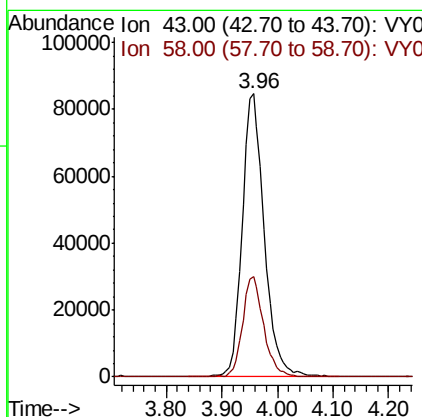
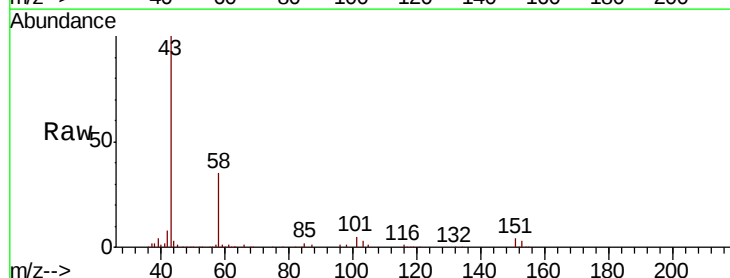
RT: 3.96 min Scan# 364

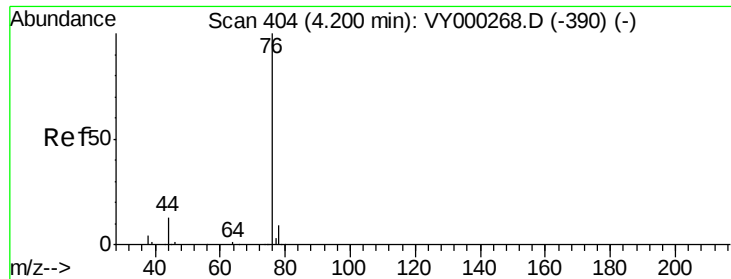
Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	43	Resp:	232780
Ion	Ratio	Lower	Upper
43	100		
58	35.2	25.8	38.6





#17

Carbon Disulfide

Concen: 46.309 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 482035

Ion Ratio Lower Upper

76 100

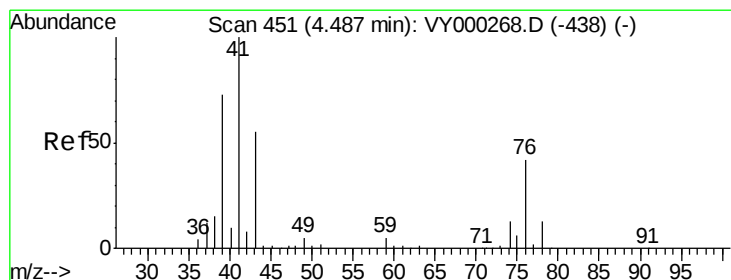
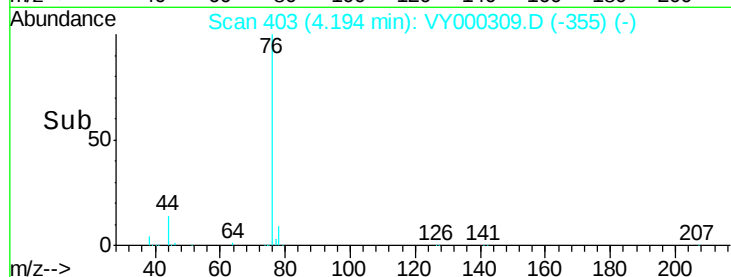
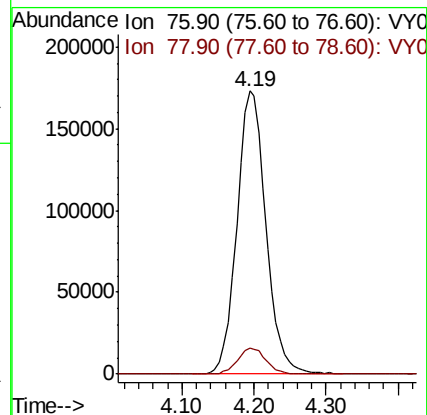
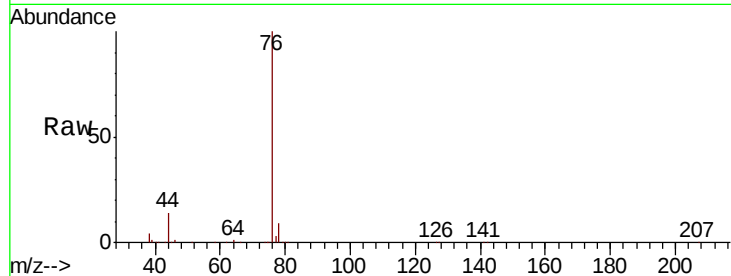
78 9.3 7.0 10.4

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#18

Methyl Acetate

Concen: 49.424 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000309.D

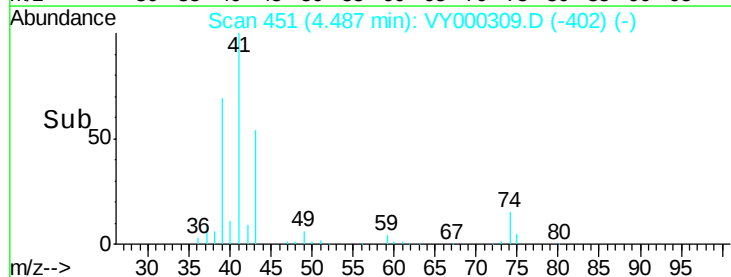
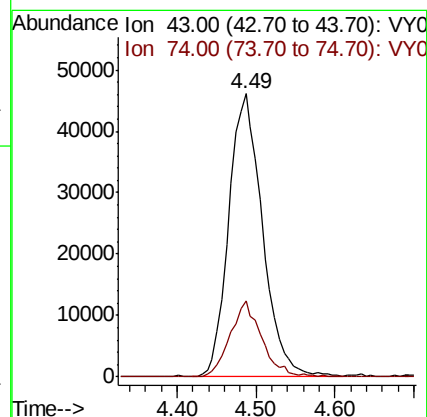
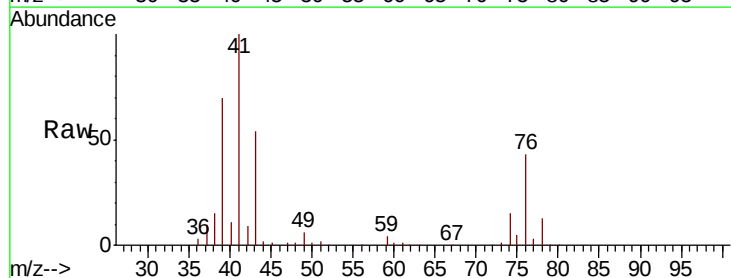
Acq: 14 Oct 2019 19:03

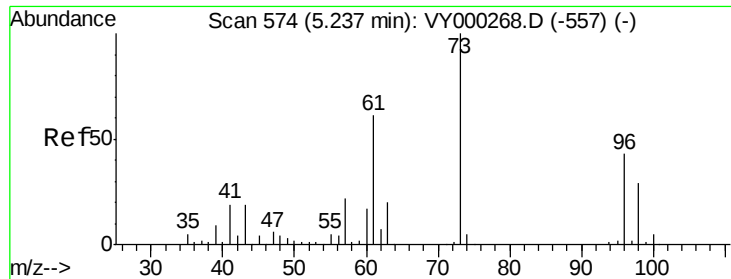
Tgt Ion: 43 Resp: 137311

Ion Ratio Lower Upper

43 100

74 25.2 20.4 30.6





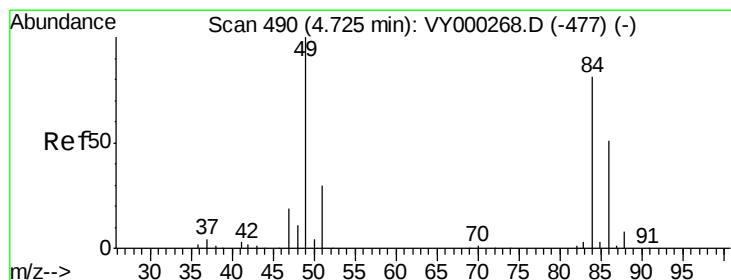
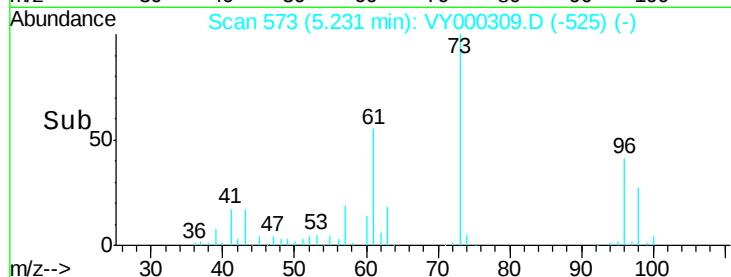
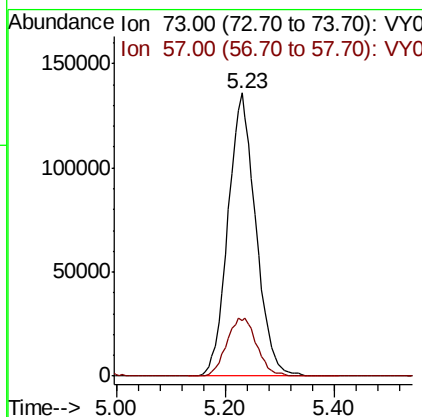
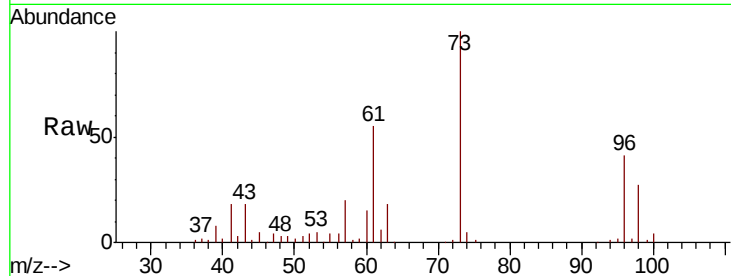
#19
Methyl tert-butyl Ether
Concen: 52.608 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 484163
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.0

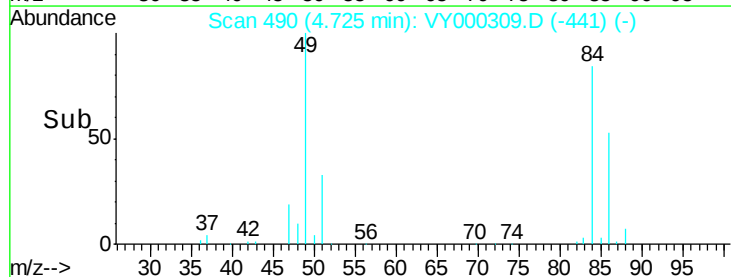
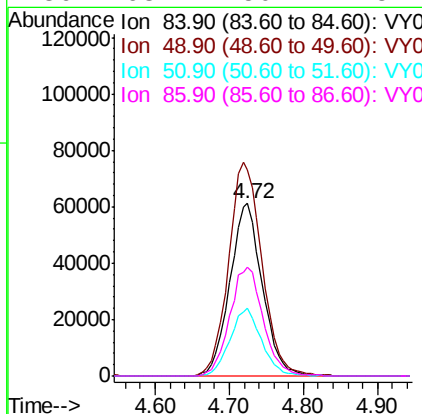
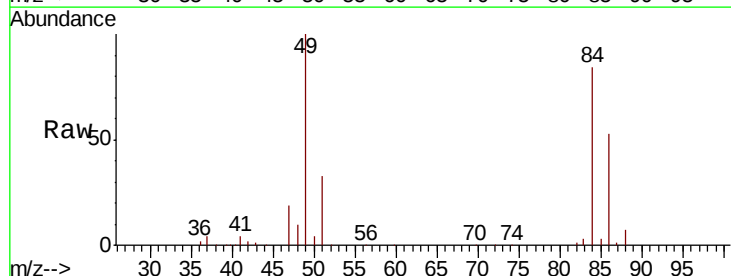
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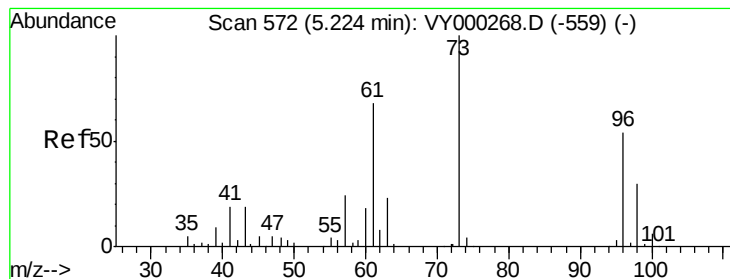
MMDadoda
10/16/2019 12:53:13 AM



#20
Methylene Chloride
Concen: 49.559 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion: 84 Resp: 186895
Ion Ratio Lower Upper
84 100
49 119.1 99.0 148.4
51 39.3 29.3 43.9
86 63.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 47.400 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 179788

Ion Ratio Lower Upper

96 100

61 135.2 100.4 150.6

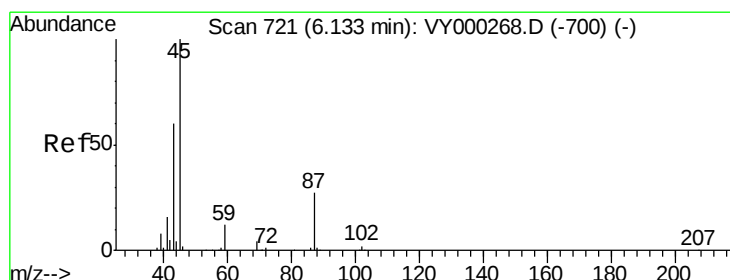
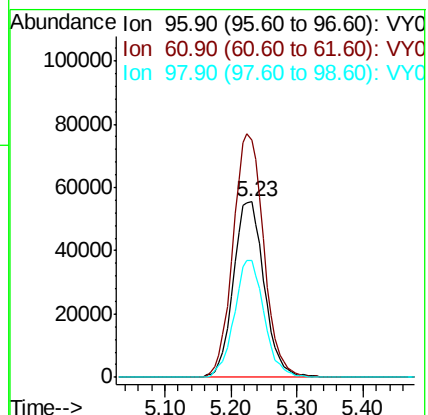
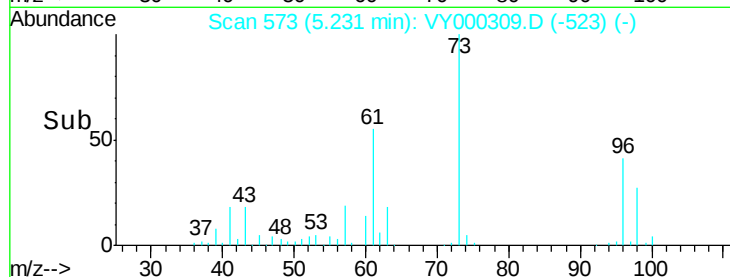
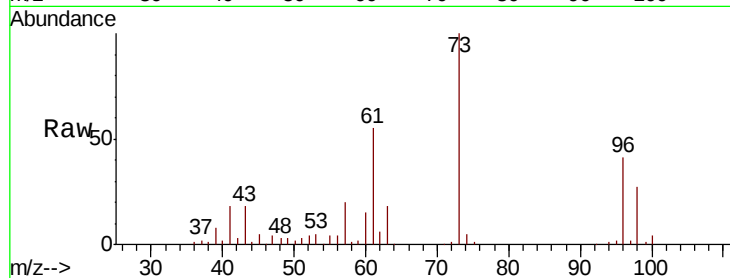
98 66.8 44.6 66.8

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#22

Diisopropyl ether

Concen: 53.362 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion: 45 Resp: 618324

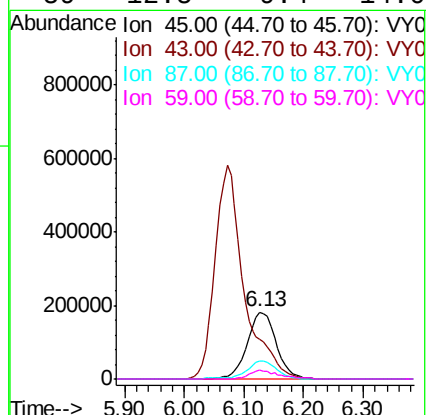
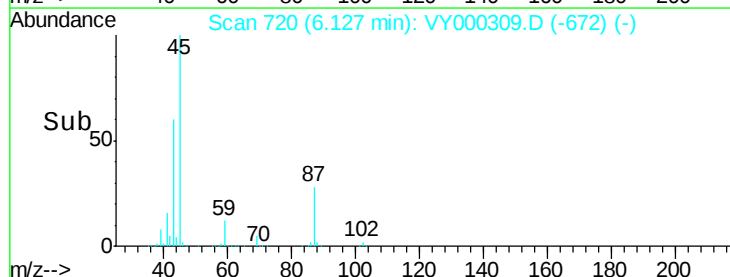
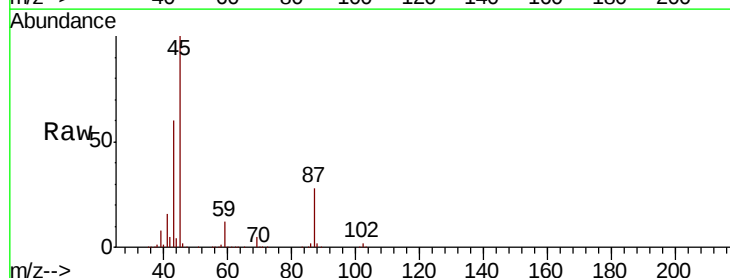
Ion Ratio Lower Upper

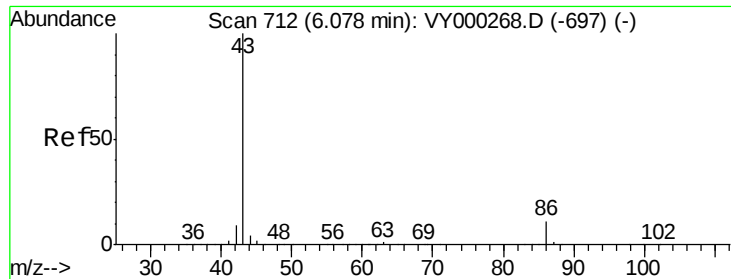
45 100

43 59.4 48.5 72.7

87 27.6 21.5 32.3

59 12.5 9.4 14.0





#23

Vinyl Acetate

Concen: 258.296 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1952579

Ion Ratio Lower Upper

43 100

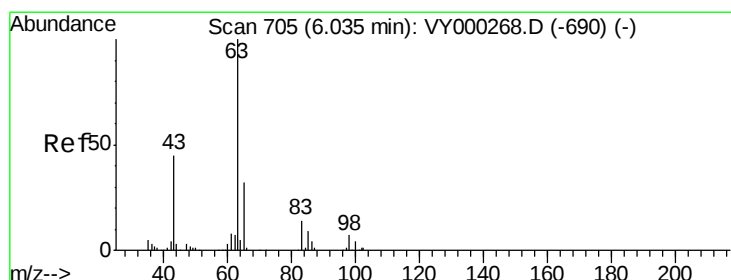
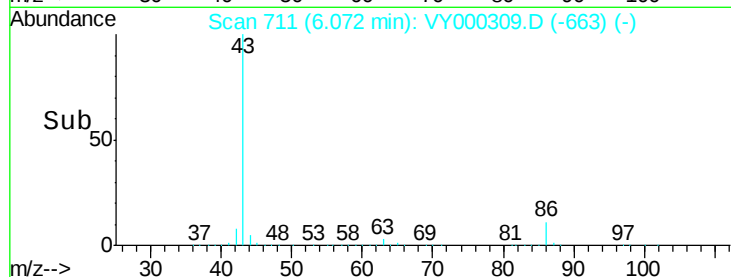
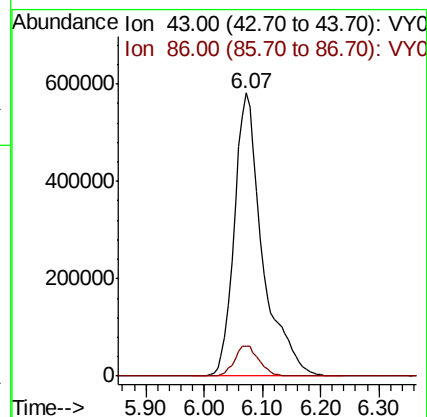
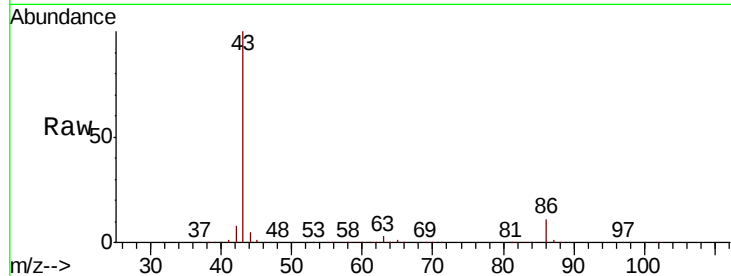
86 10.6 8.6 13.0

Manual Integrations

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10/16/2019 12:53:13 AM



#24

1,1-Dichloroethane

Concen: 50.658 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

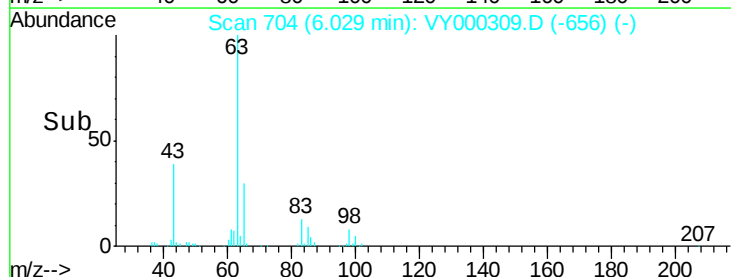
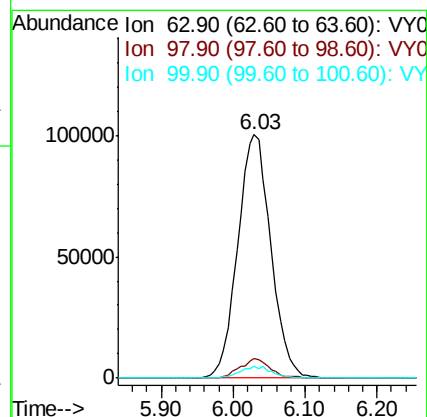
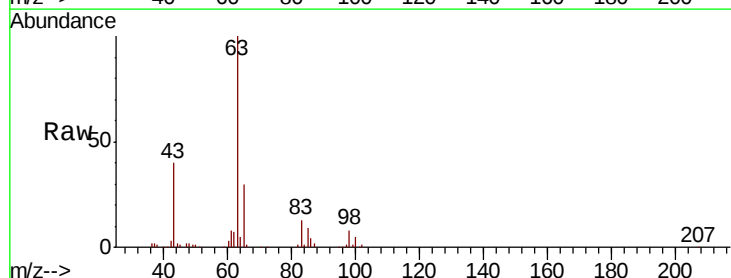
Tgt Ion: 63 Resp: 320404

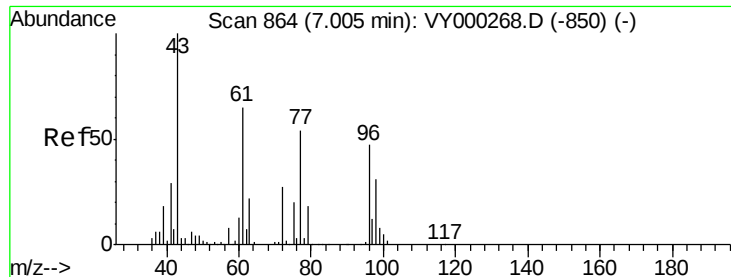
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 238.875 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 376268

Ion Ratio Lower Upper

43 100

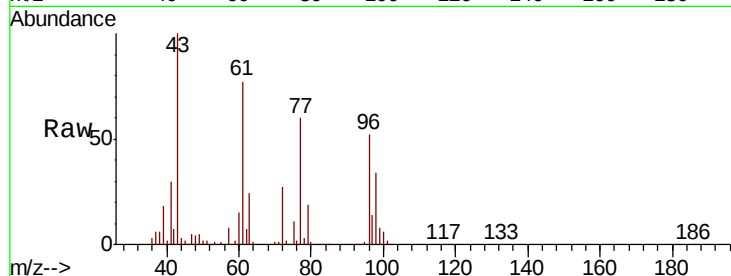
72 26.7 21.4 32.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

150000

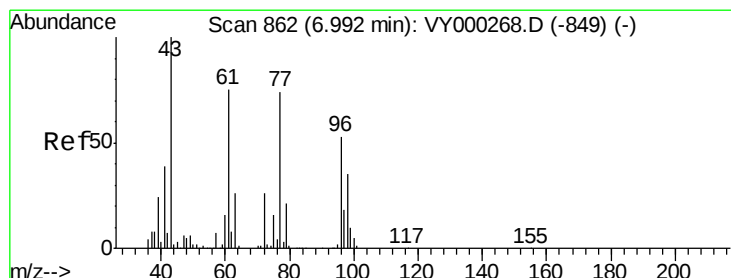
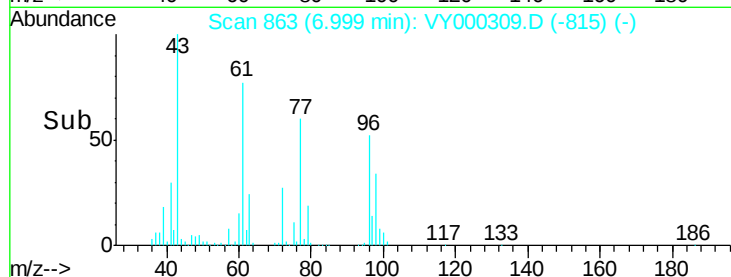
100000

50000

0

6.90 7.00

Time-->



#26

2,2-Dichloropropane

Concen: 46.539 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000309.D

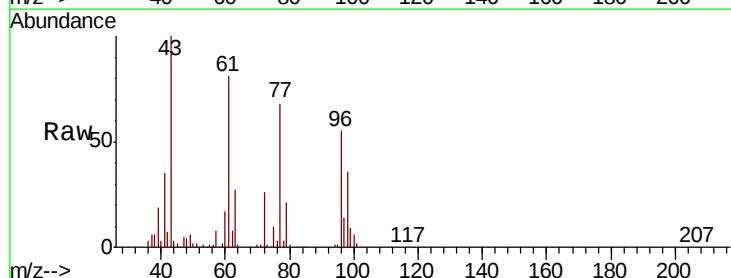
Acq: 14 Oct 2019 19:03

Tgt Ion: 77 Resp: 271236

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

100000

80000

60000

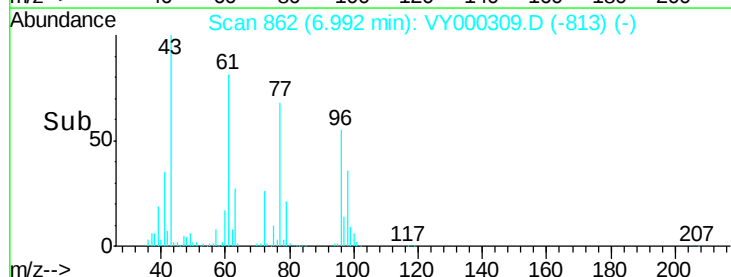
40000

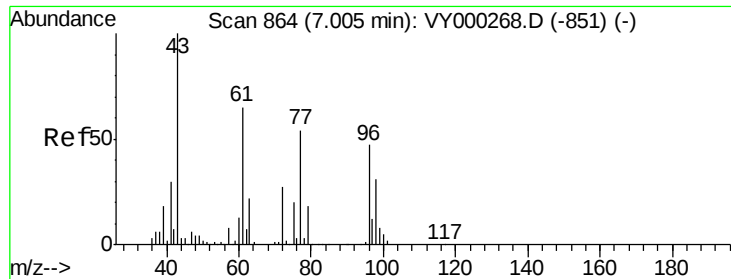
20000

0

6.80 6.90 7.00 7.10

Time-->





#27

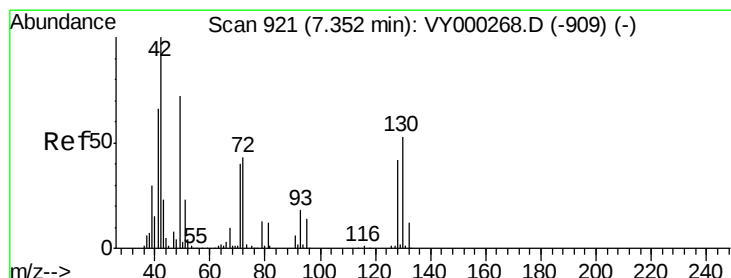
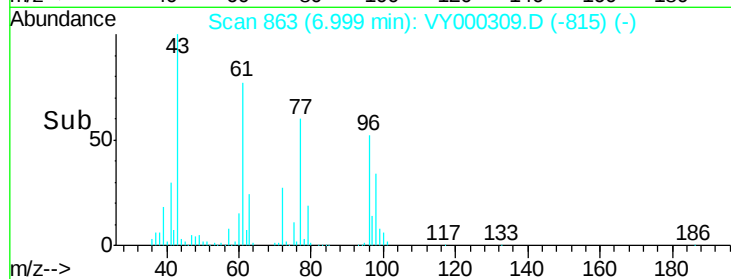
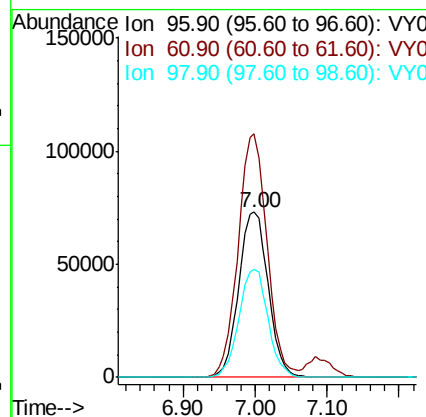
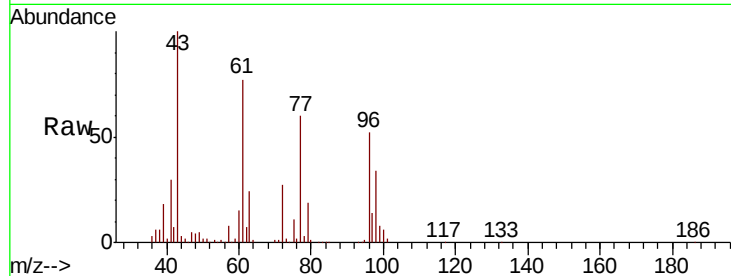
cis-1,2-Dichloroethene
 Concen: 50.593 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	207647		
61	144.9	0.0	289.8	
98	64.7	0.0	131.8	

Manual Integrations
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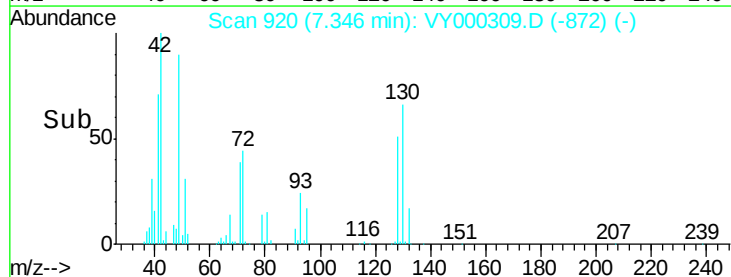
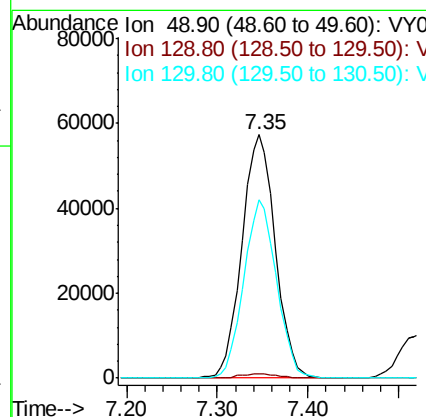
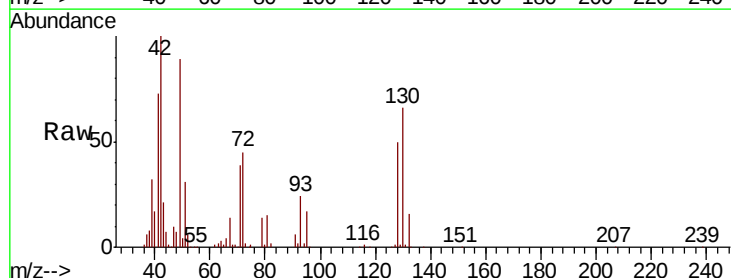
MMDadoda
 10/16/2019 12:53:13 AM

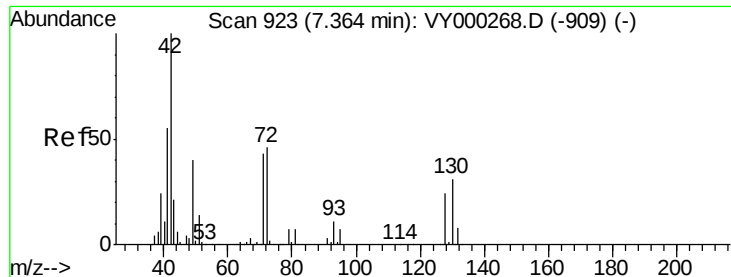


#28

Bromochloromethane
 Concen: 53.648 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145663		
129	2.0	0.0	4.0	
130	72.0	58.2	87.2	





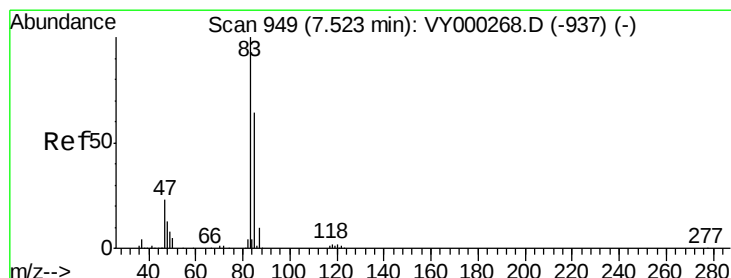
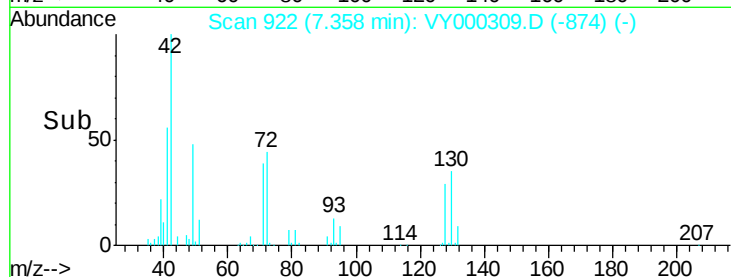
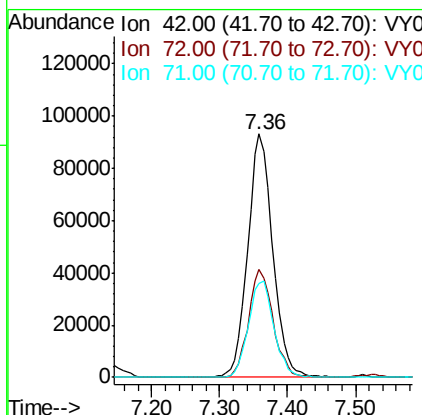
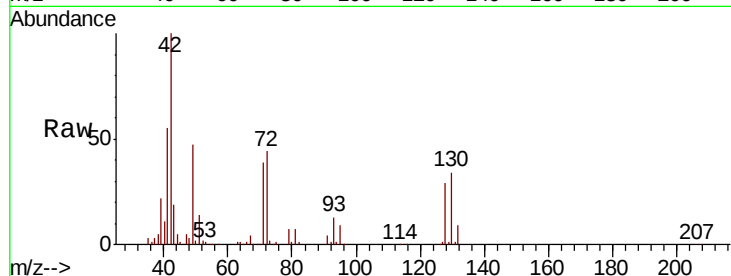
#29
Tetrahydrofuran
Concen: 250.320 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.5	51.7
71	40.3	32.7	49.1

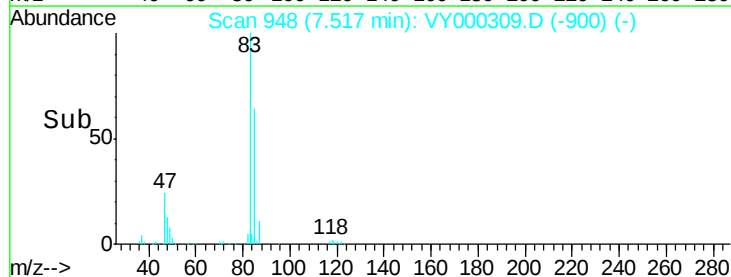
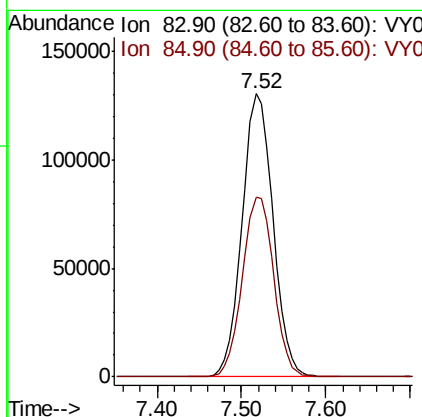
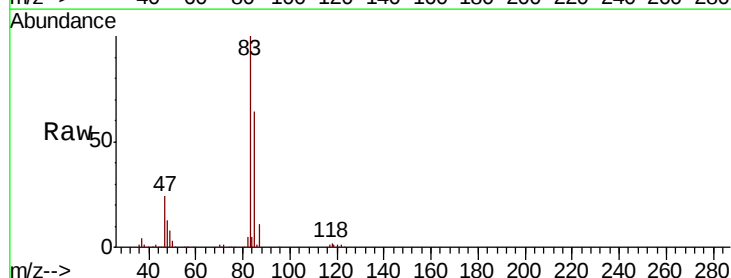
Manual Integrations
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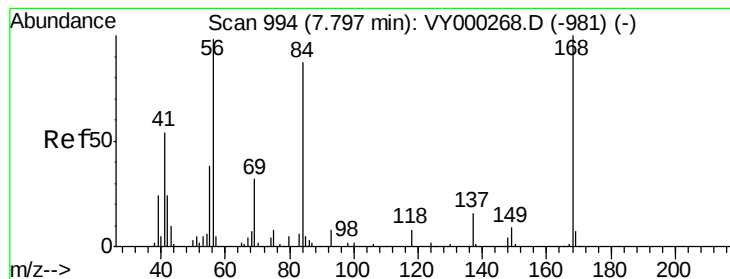
MMDadoda
10/16/2019 12:53:13 AM



#30
Chloroform
Concen: 50.678 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.2





#31

Cyclohexane

Concen: 47.011 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 310555

Ion Ratio Lower Upper

56 100

69 29.8 26.3 39.5

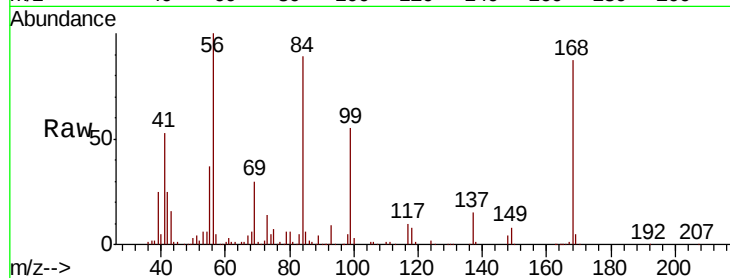
84 87.4 70.8 106.2

Manual Integrations

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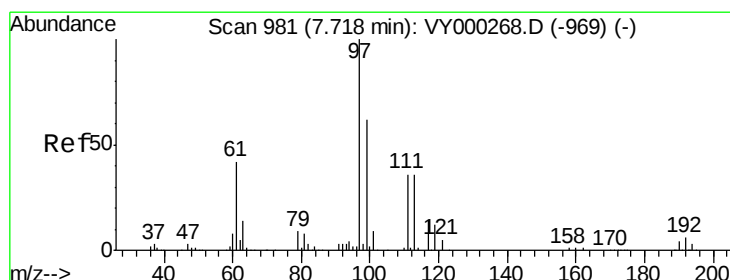
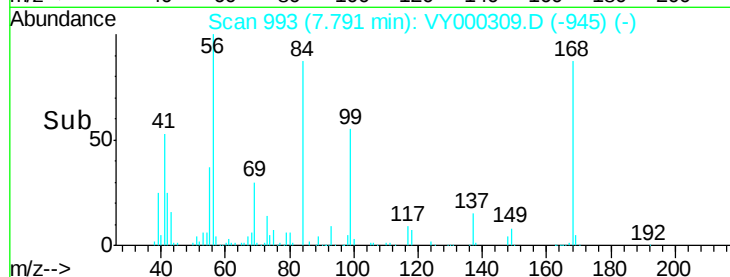
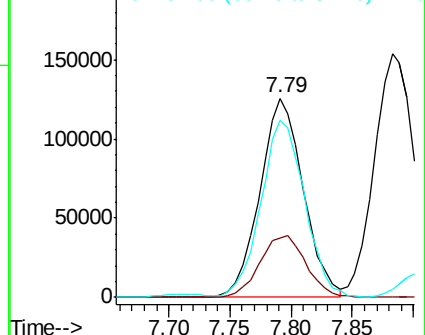


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 49.135 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

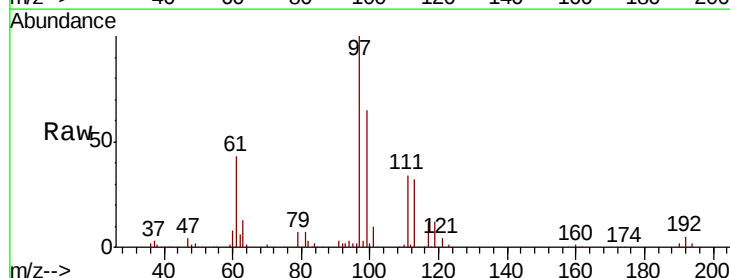
Tgt Ion: 97 Resp: 278242

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 42.6 34.5 51.7

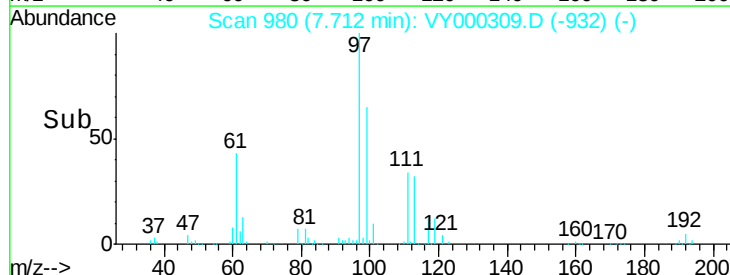
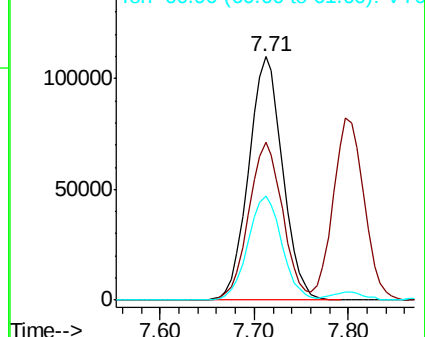


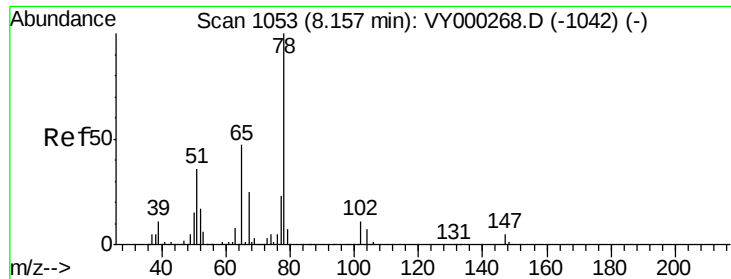
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 51.265 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 177011

Ion Ratio Lower Upper

65 100

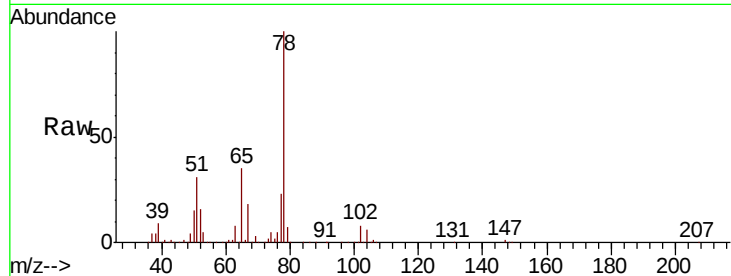
67 54.3 0.0 109.4

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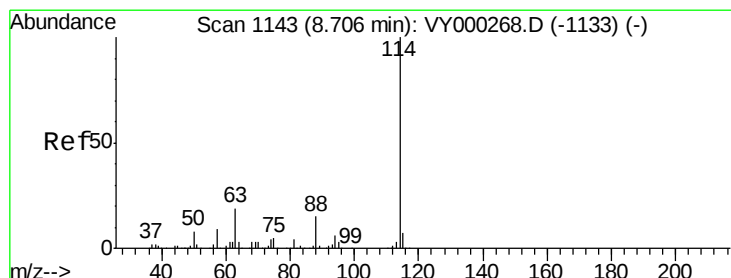
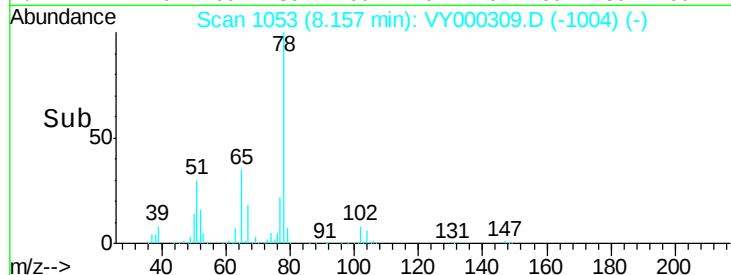
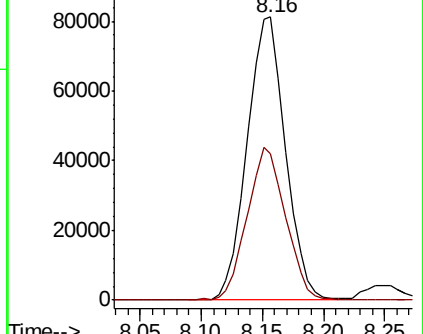
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

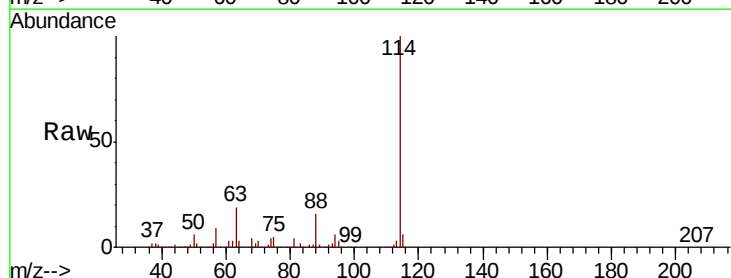
Tgt Ion: 114 Resp: 558532

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.2

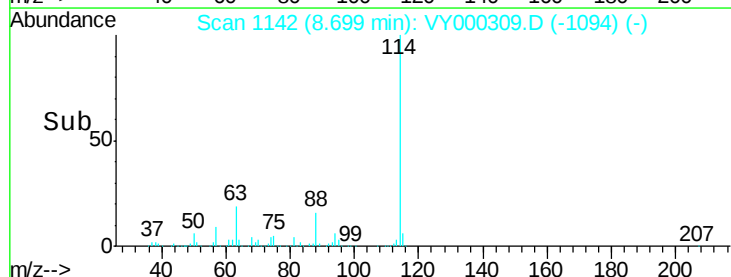
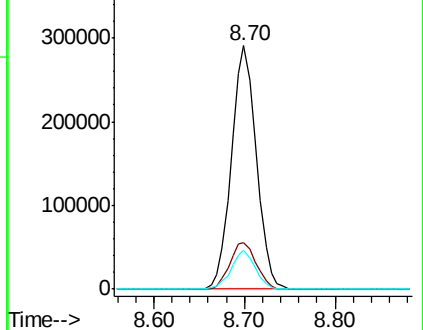
88 15.7 0.0 30.2

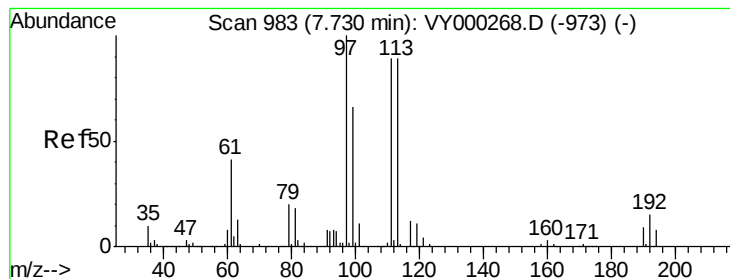


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.989 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

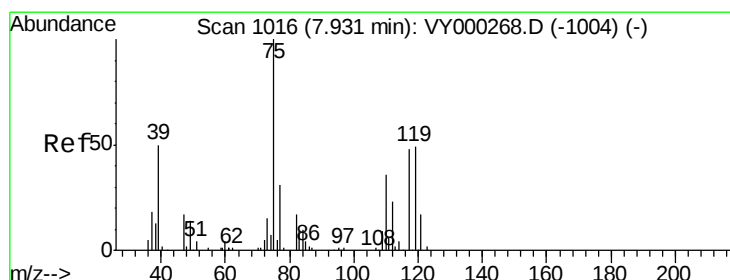
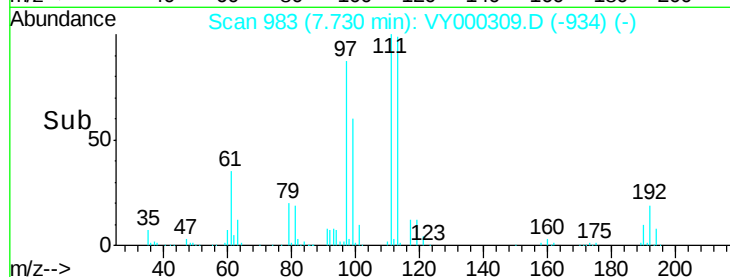
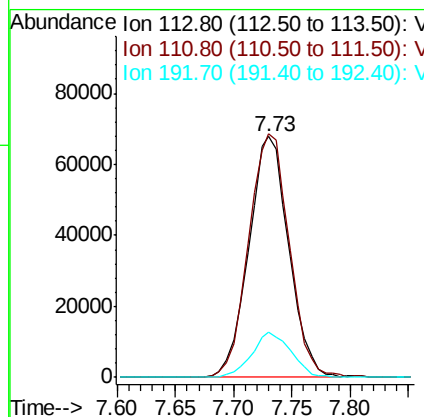
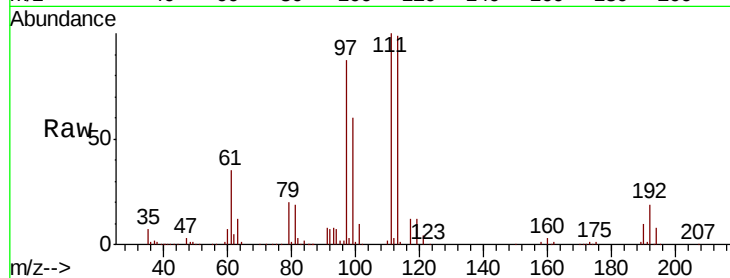
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	18.3	15.3	22.9

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#36

1,1-Dichloropropene

Concen: 45.577 ug/l

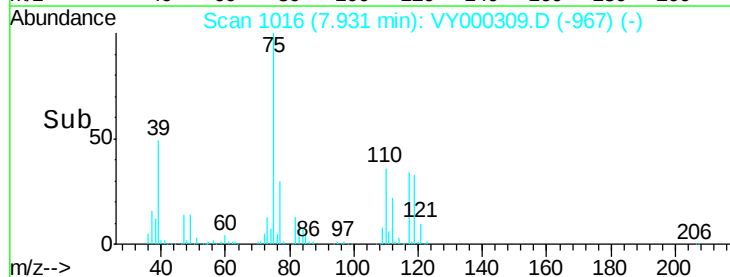
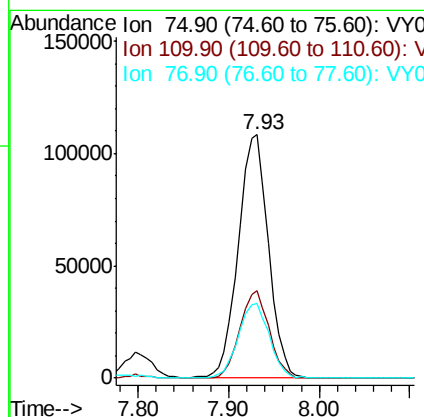
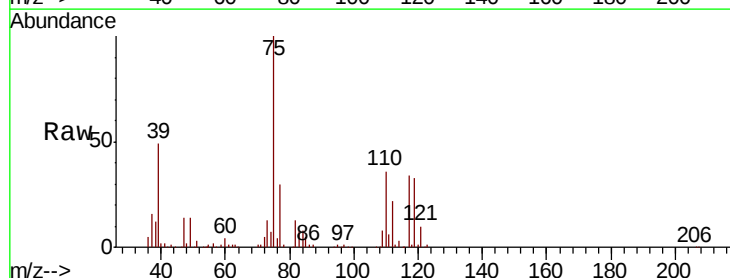
RT: 7.93 min Scan# 1016

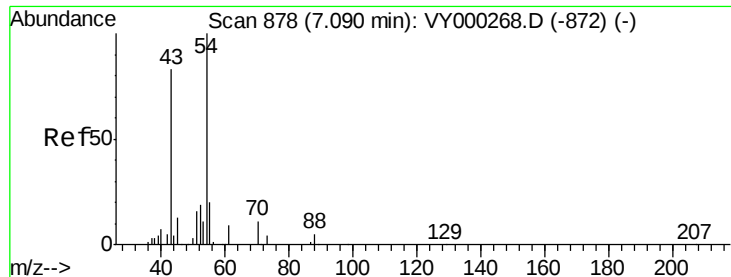
Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.4	55.4
77	31.8	25.0	37.6





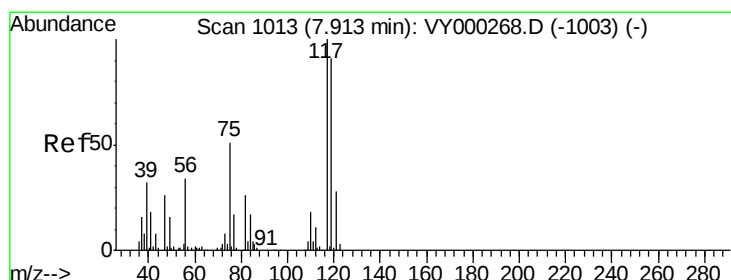
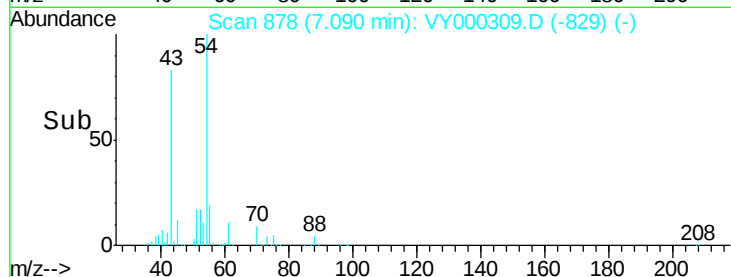
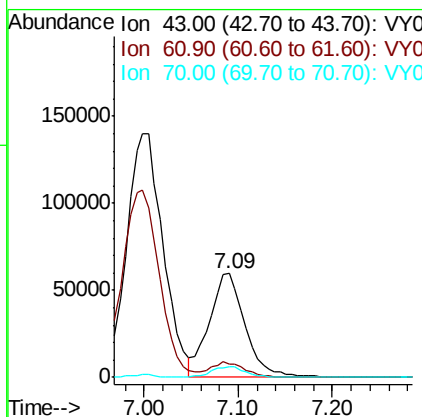
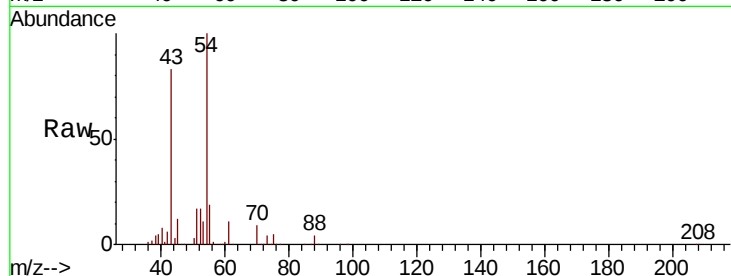
#37
Ethyl Acetate
Concen: 48.566 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.1	18.1
70	10.2	8.7	13.1

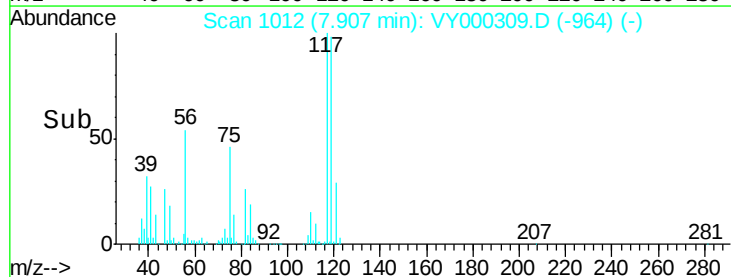
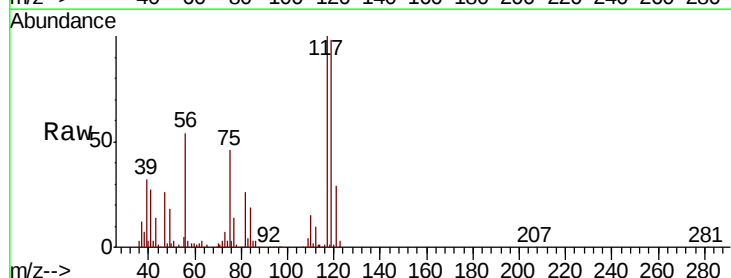
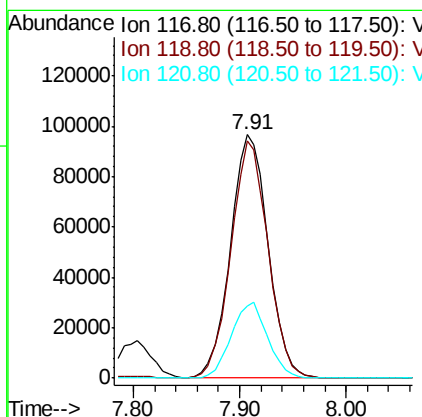
Manual Integrations
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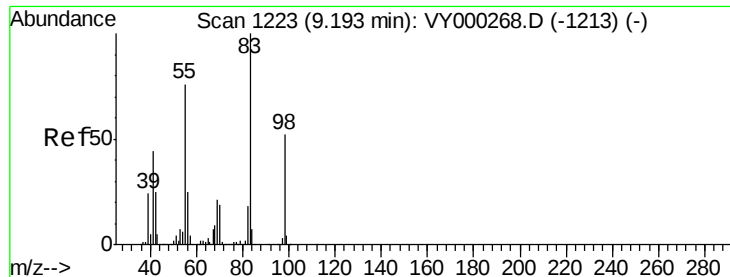
MMDadoda
10/16/2019 12:53:13 AM



#38
Carbon Tetrachloride
Concen: 45.106 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	72.8	109.2
121	29.4	22.2	33.2





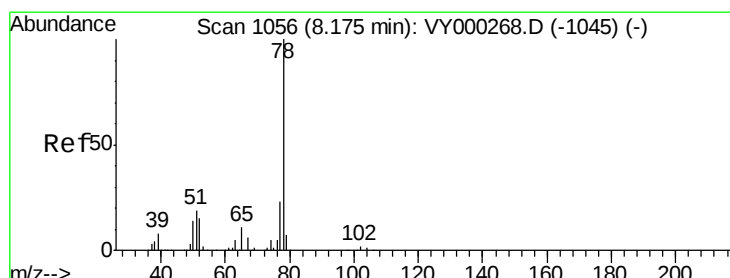
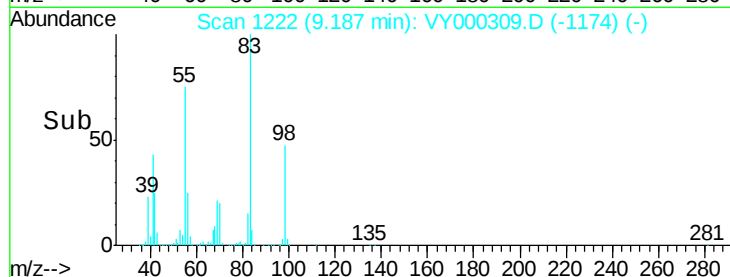
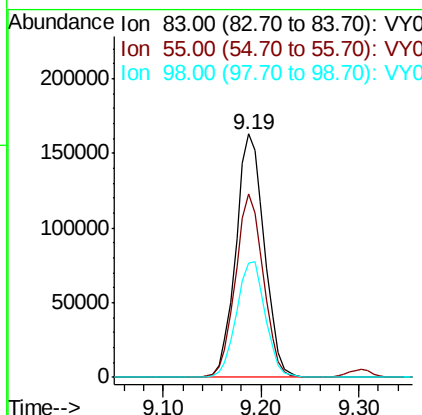
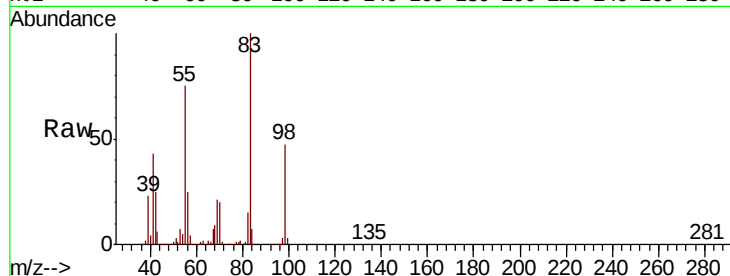
#39
Methvlcvclohexane
Concen: 45.835 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.9	91.3
98	47.2	41.8	62.6

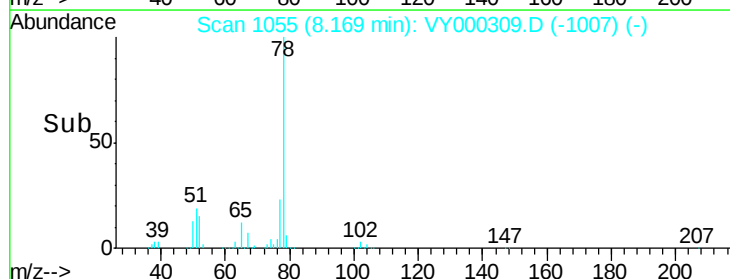
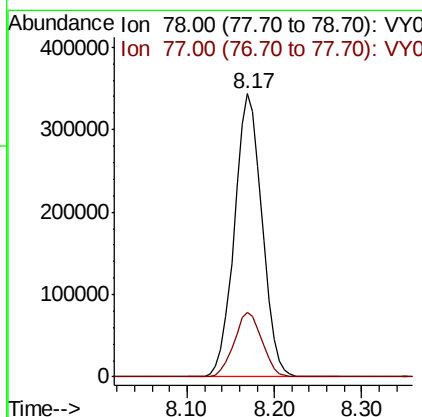
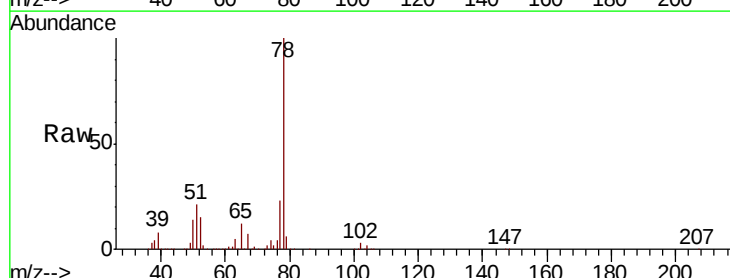
Manual Integrations
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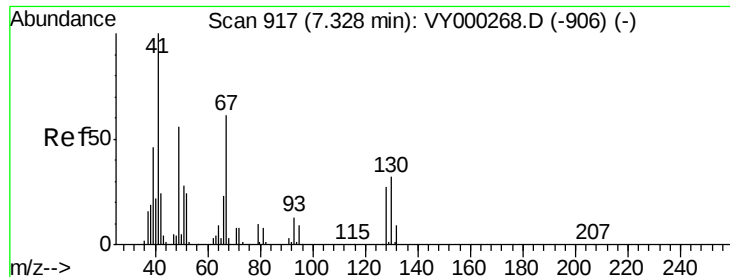
MMDadoda
10/16/2019 12:53:13 AM



#40
Benzene
Concen: 47.607 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





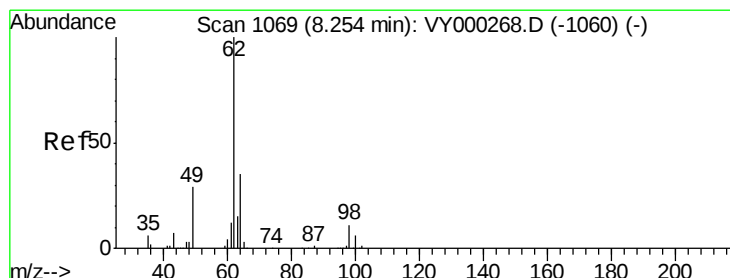
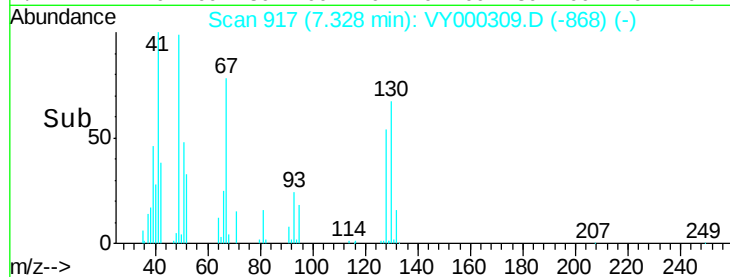
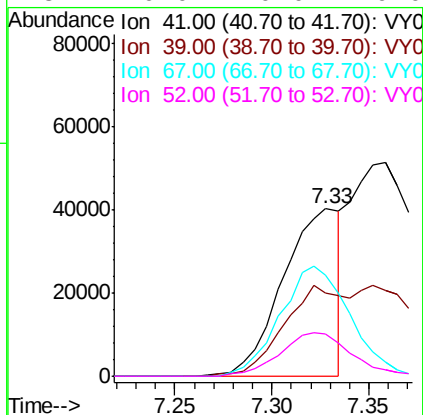
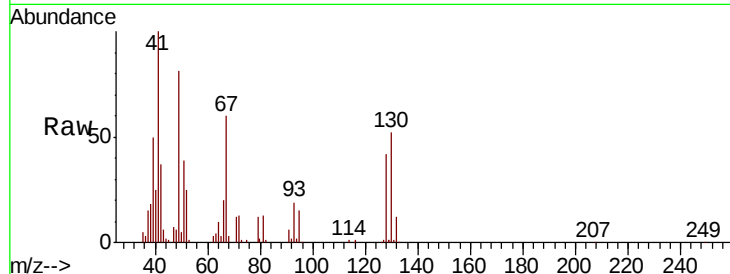
#41
Methacrylonitrile
Concen: 53.504 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	82463
Ion Ratio	Lower	Upper	
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

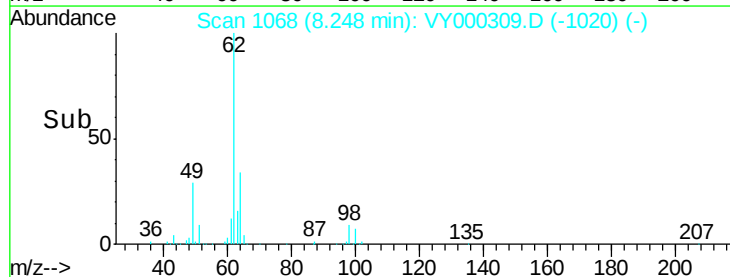
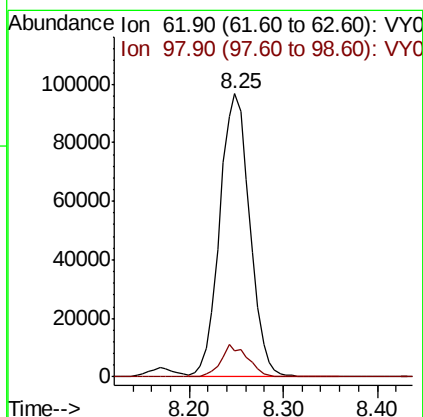
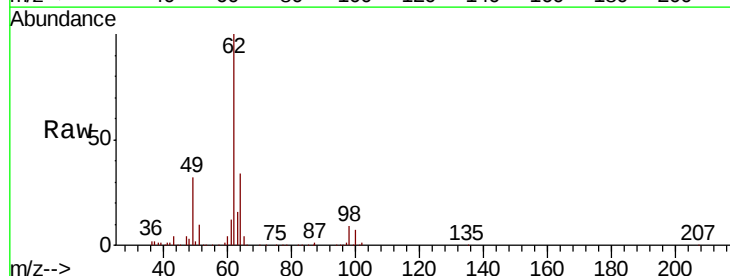
Manual Integrations
APPROVED

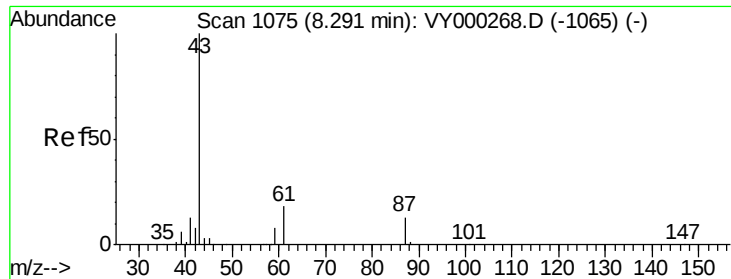
MMDadoda
10/16/2019 12:53:13 AM



#42
1,2-Dichloroethane
Concen: 47.363 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion:	62	Resp:	213803
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.718 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

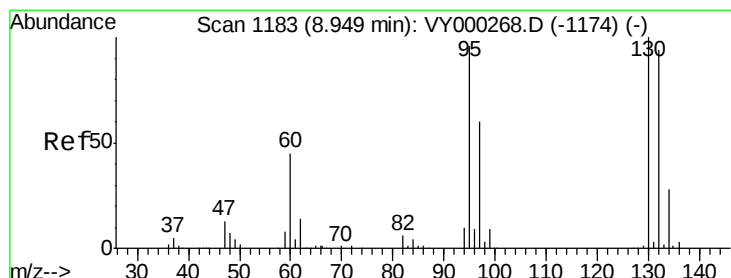
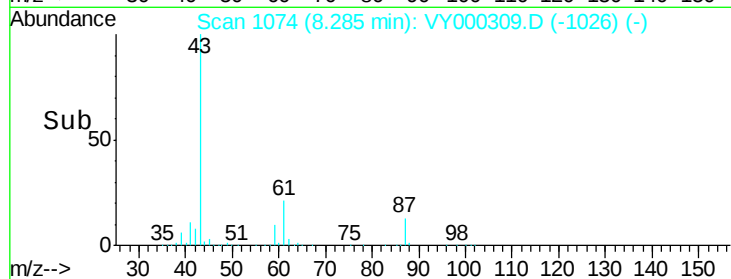
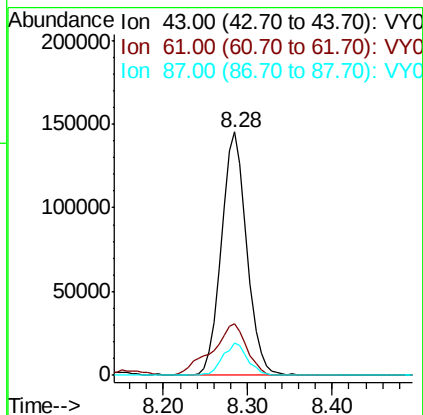
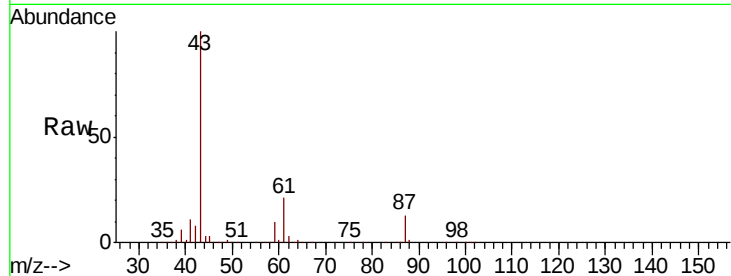
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	299941
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.3	33.5
87	13.0	10.9	16.3

Manual Integrations
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10/16/2019 12:53:13 AM



#44

Trichloroethene

Concen: 45.618 ug/l

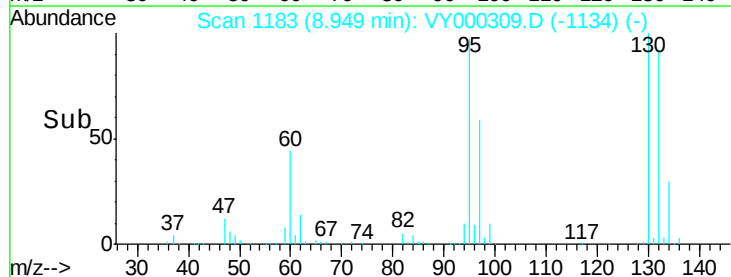
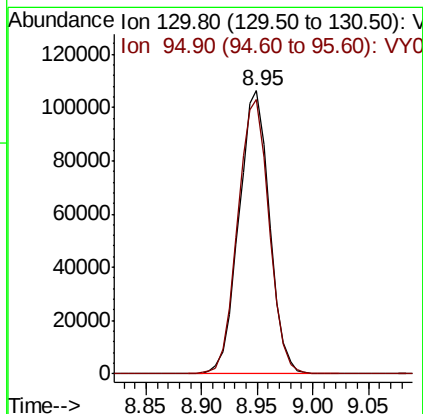
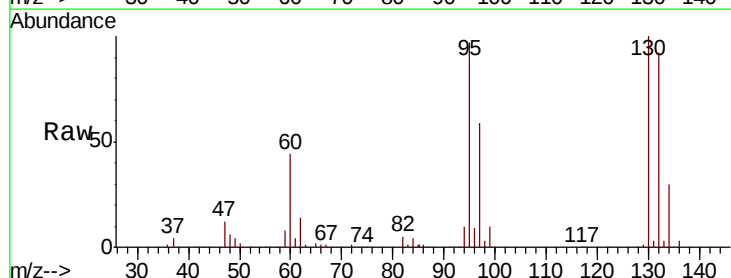
RT: 8.95 min Scan# 1183

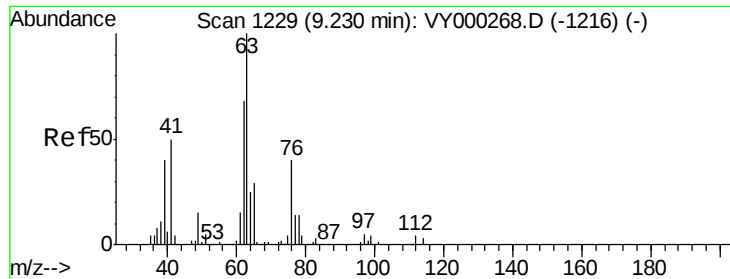
Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	130	Resp:	202274
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	191.4





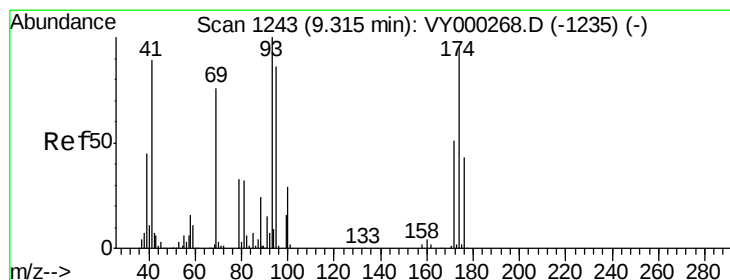
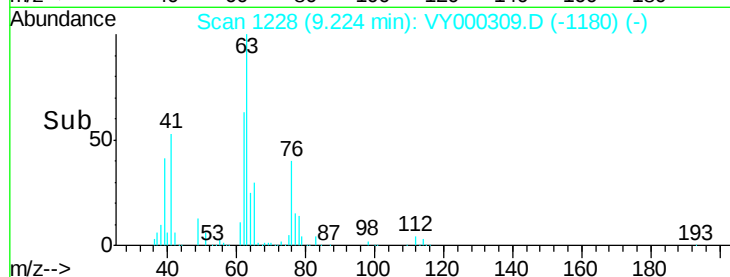
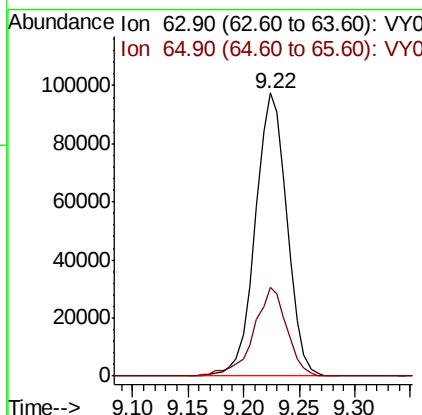
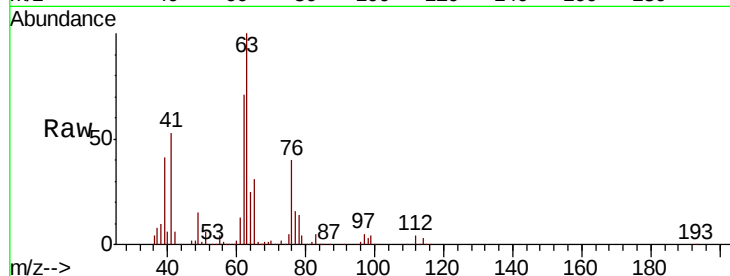
#45
 1,2-Dichloropropane
 Concen: 49.722 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.2	34.8

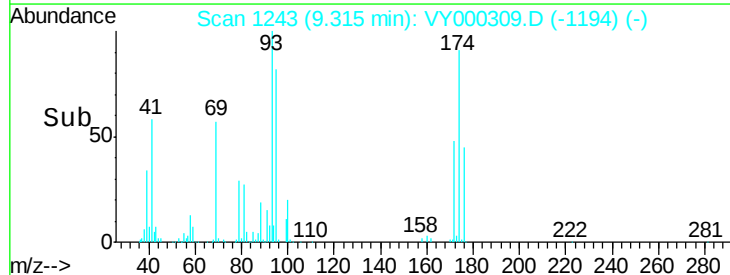
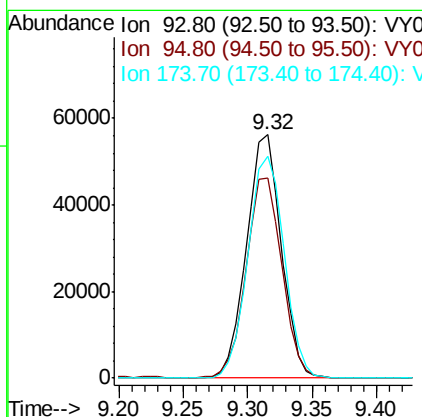
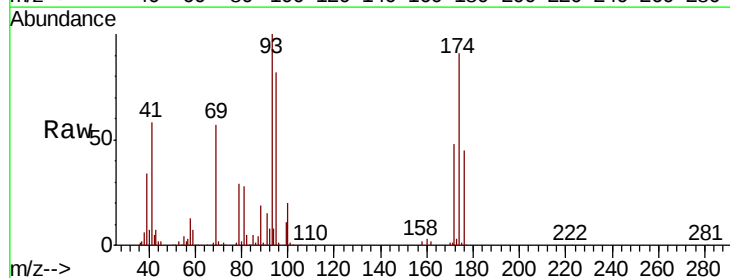
Manual Integrations
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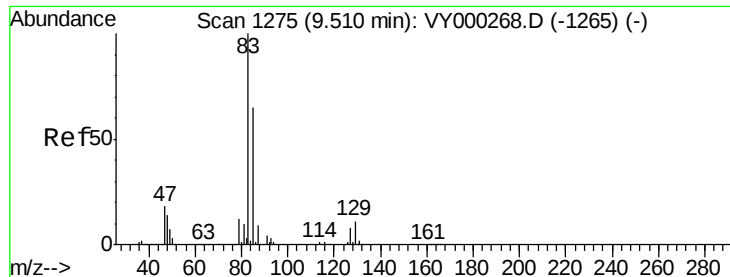
MMDadoda
 10/16/2019 12:53:13 AM



#46
 Dibromomethane
 Concen: 48.379 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	68.2	102.2
174	95.0	79.8	119.6





#47

Bromodichloromethane

Concen: 49.351 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

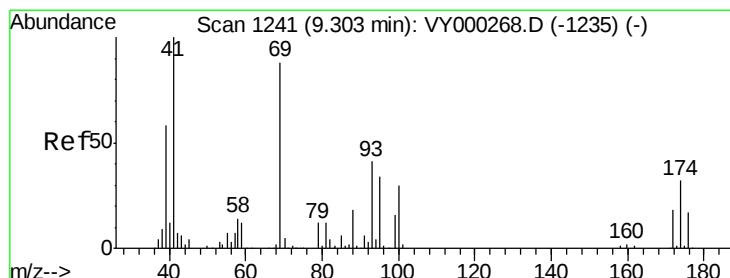
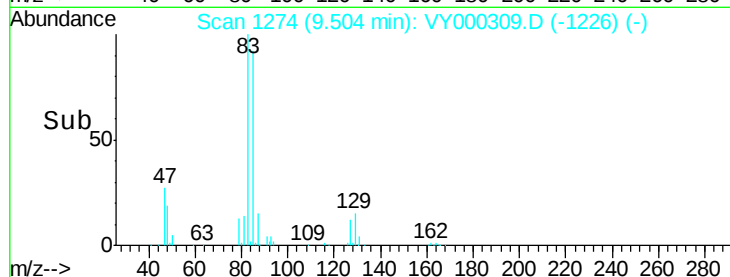
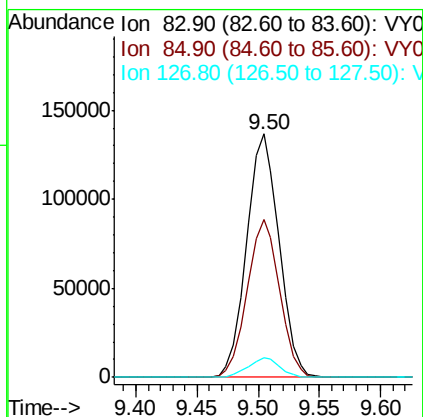
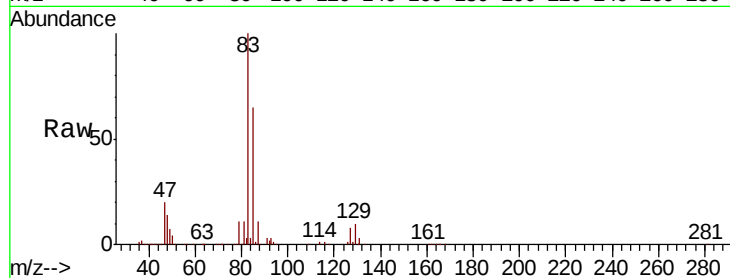
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	252142
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.2
127	8.3	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:53:13 AM



#48

Methyl methacrylate

Concen: 49.352 ug/l

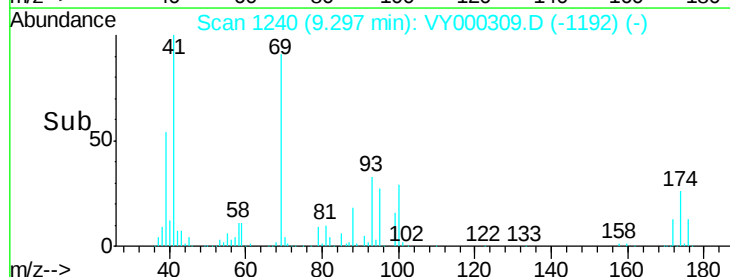
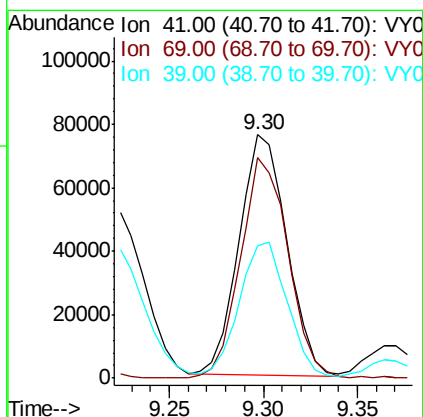
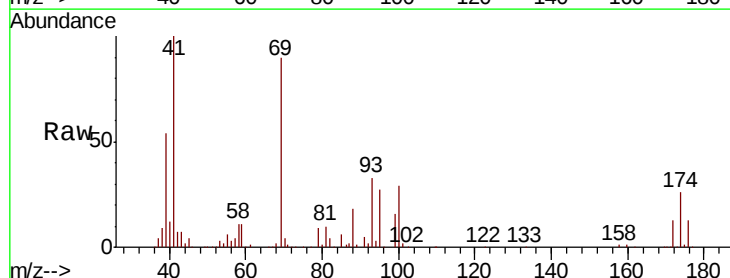
RT: 9.30 min Scan# 1240

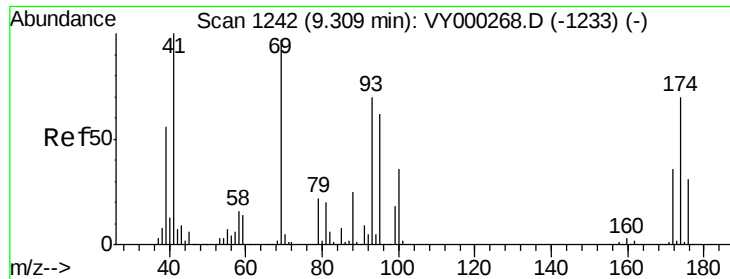
Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	41	Resp:	133160
Ion Ratio	Lower	Upper	
41	100		
69	91.2	70.0	105.0
39	57.4	47.7	71.5





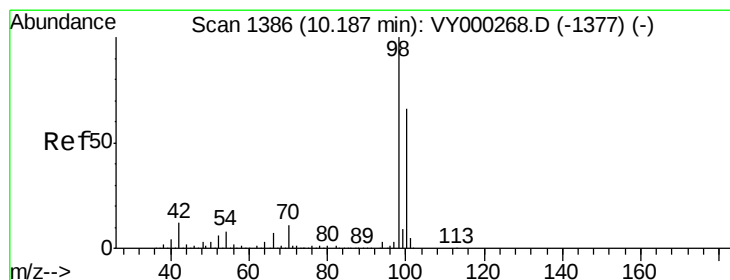
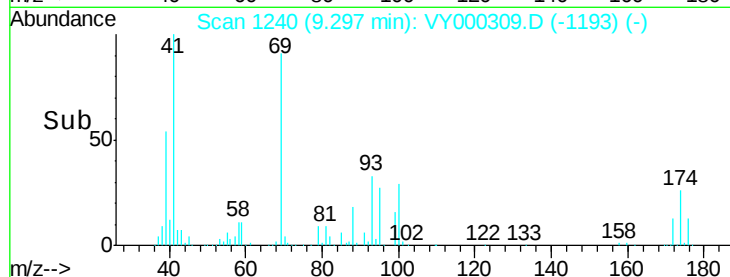
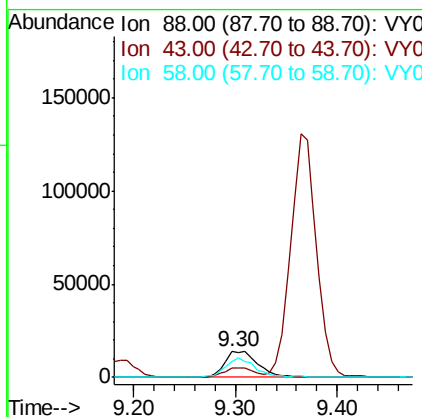
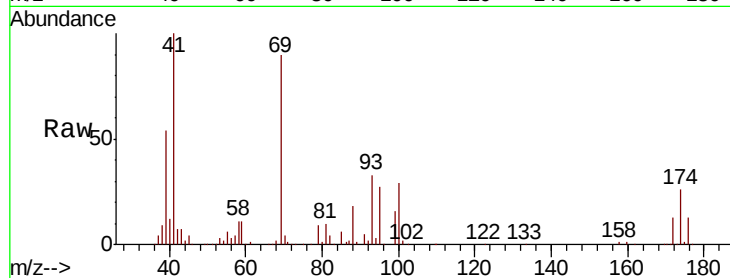
#49
1,4-Dioxane
Concen: 971.958 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	31594
Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.6	38.4
58	65.0	54.6	81.8

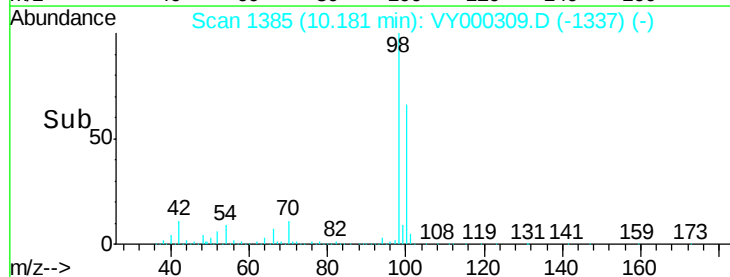
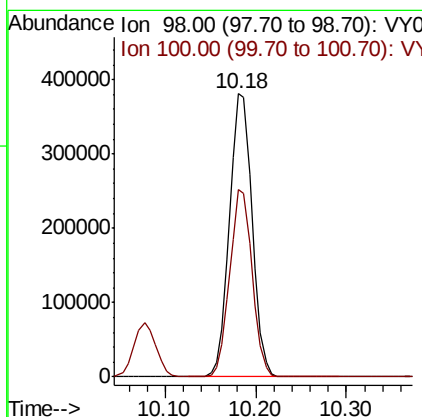
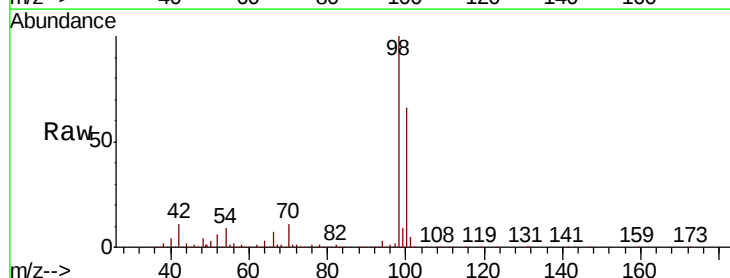
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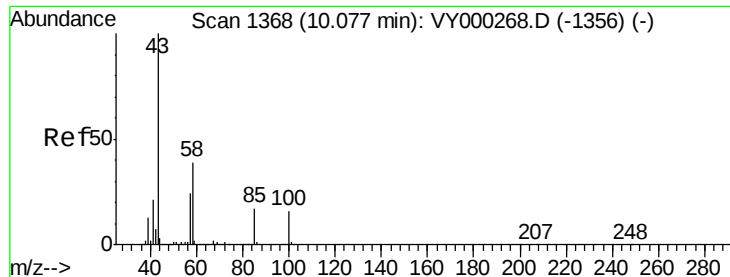
MMDadoda
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#50
Toluene-d8
Concen: 51.036 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	98	Resp	661433
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2





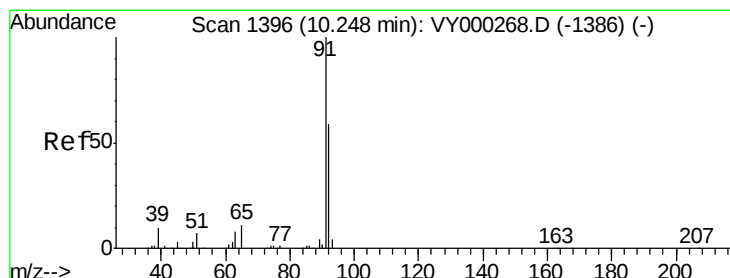
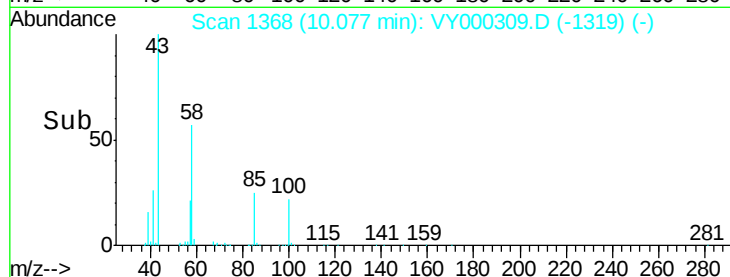
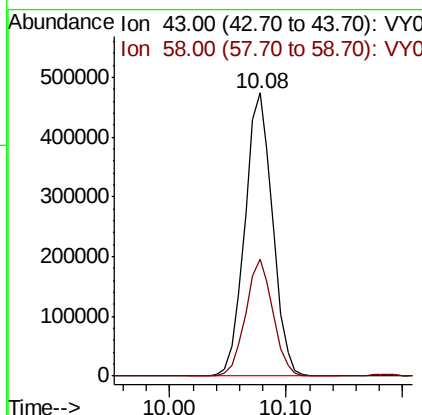
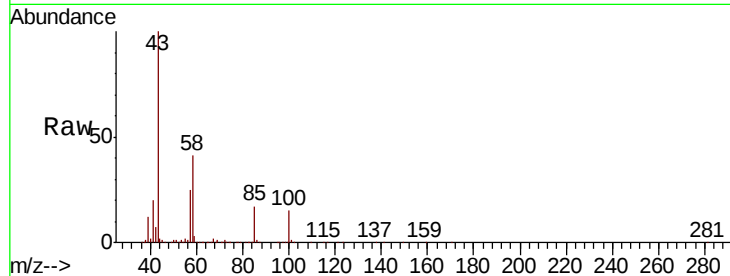
#51
4-Methyl-2-Pentanone
Concen: 248.162 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.0	46.6

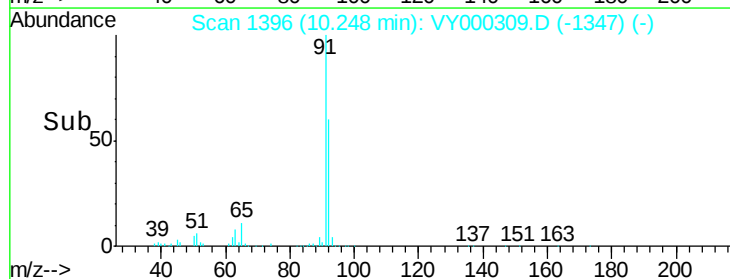
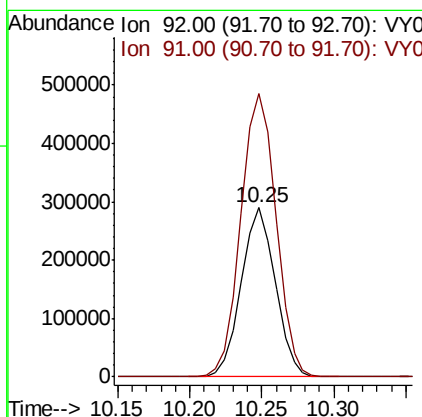
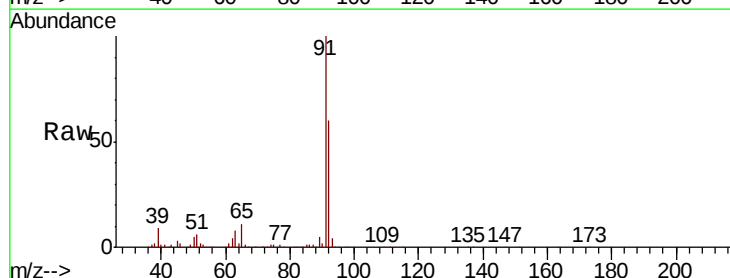
Manual Integrations
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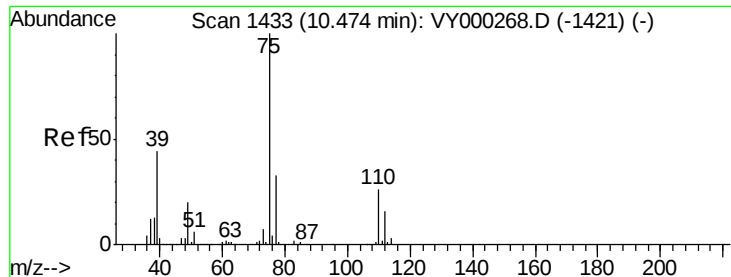
MMDadoda
10/16/2019 12:53:13 AM



#52
Toluene
Concen: 47.387 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	136.6	205.0





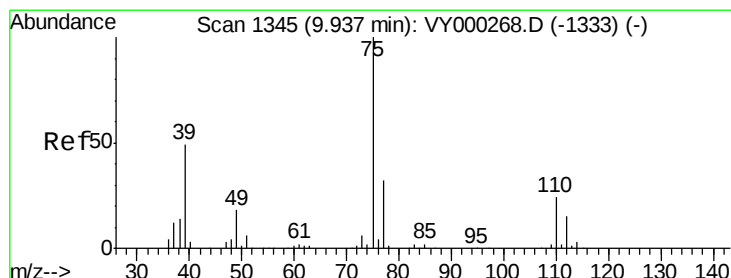
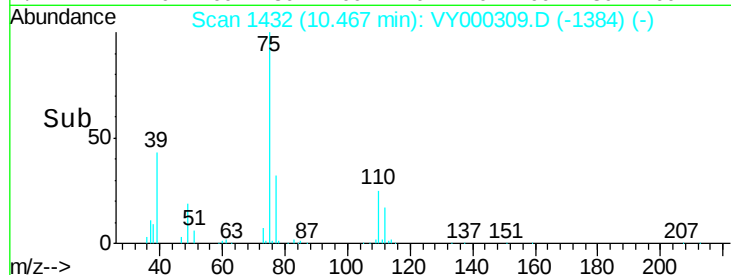
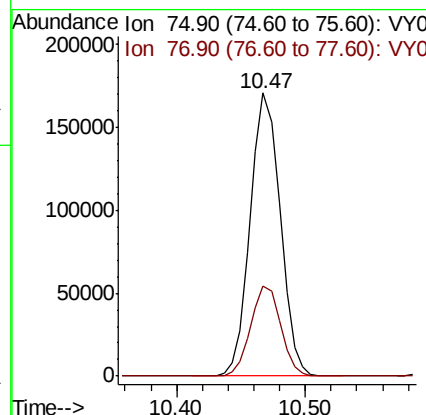
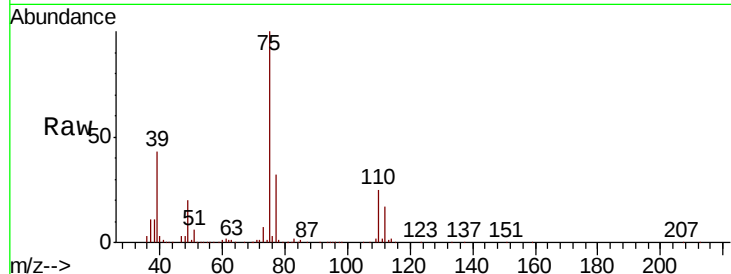
#53
 t-1,3-Dichloropropene
 Concen: 50.084 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 274234
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.0 39.0

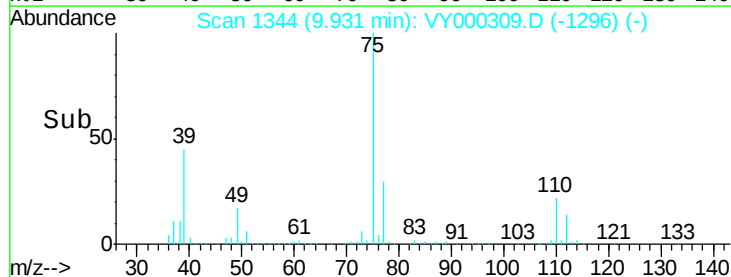
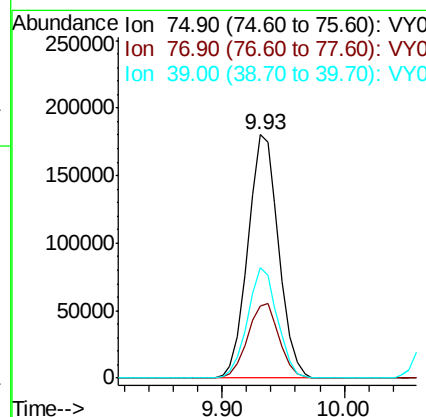
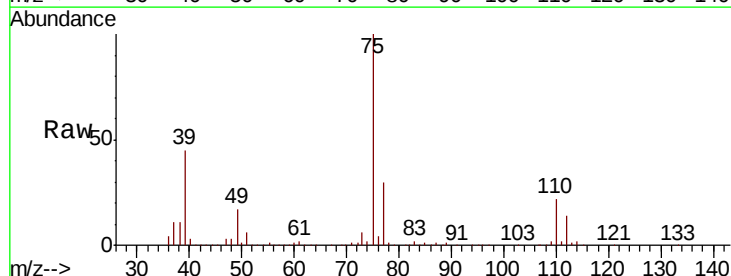
Manual Integrations
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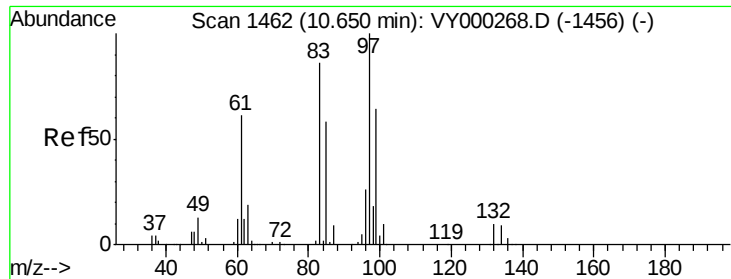
MMDadoda
 10/16/2019 12:53:13 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.435 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion: 75 Resp: 313616
 Ion Ratio Lower Upper
 75 100
 77 29.7 26.0 39.0
 39 45.3 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 49.895 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

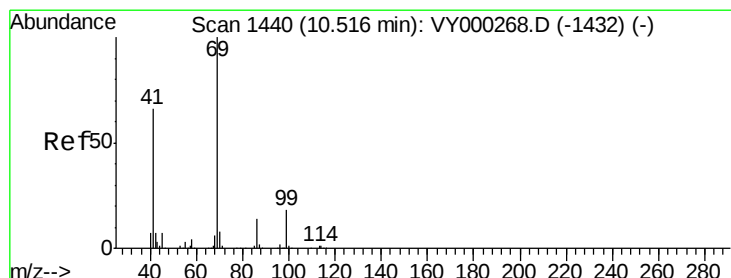
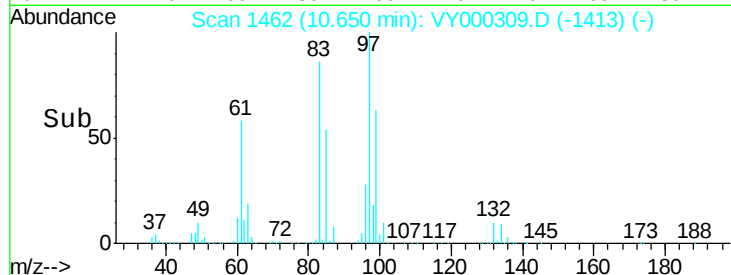
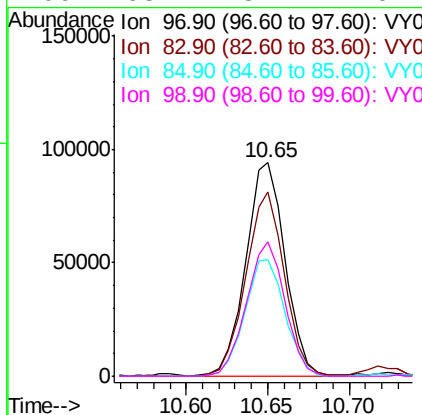
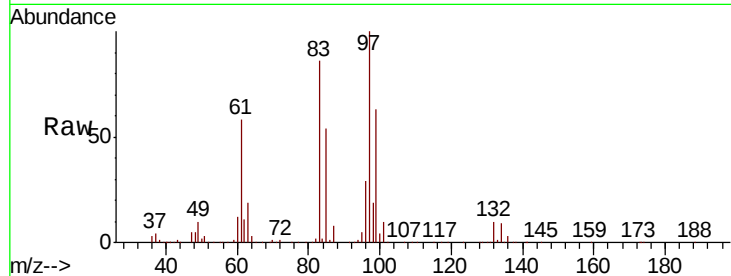
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	157275
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.6
85	54.3	46.2	69.4
99	63.4	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.964 ug/l

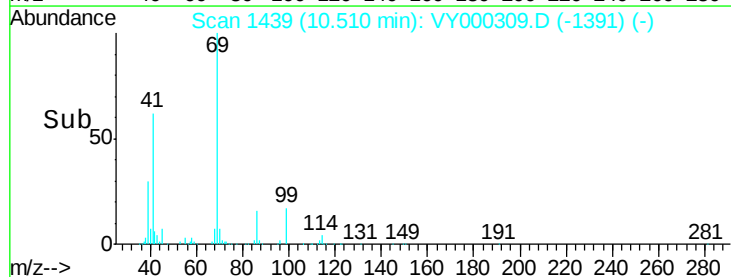
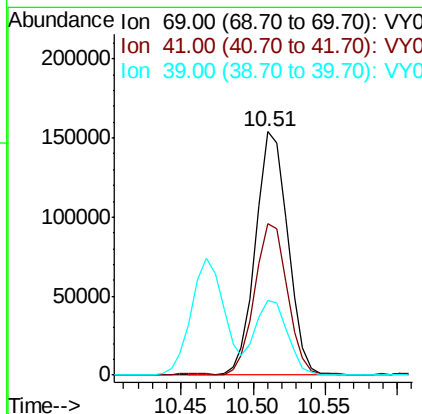
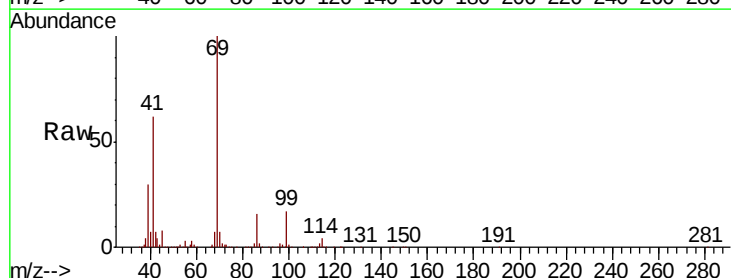
RT: 10.51 min Scan# 1439

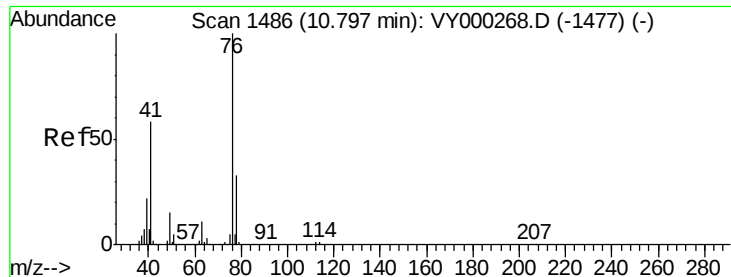
Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	69	Resp:	237961
Ion	Ratio	Lower	Upper
69	100		
41	62.5	52.5	78.7
39	30.3	26.7	40.1





#57

1,3-Dichloropropane

Concen: 50.313 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 272364

Ion Ratio Lower Upper

76 100

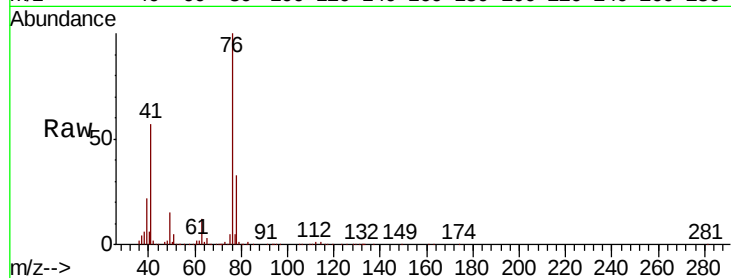
78 32.8 26.2 39.2

Manual Integrations

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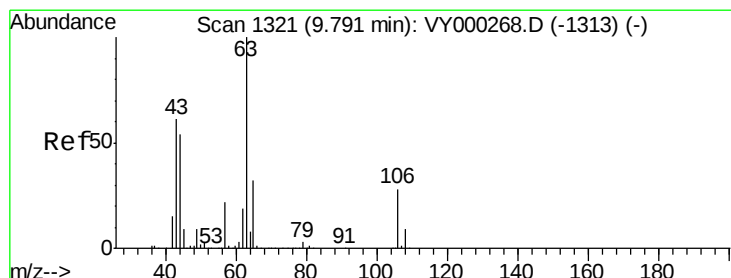
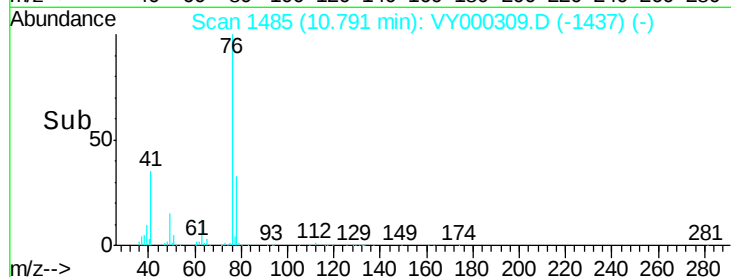
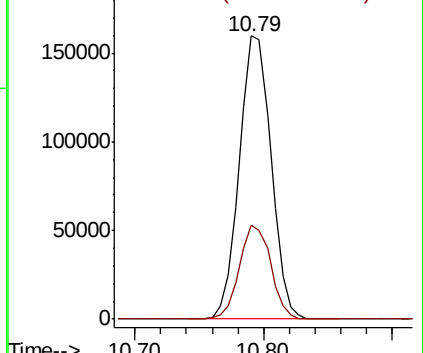
MMDadoda

10/16/2019 12:53:13 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 312.717 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY000309.D

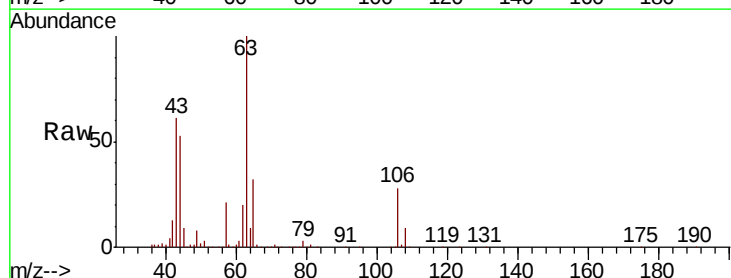
Acq: 14 Oct 2019 19:03

Tgt Ion: 63 Resp: 560411

Ion Ratio Lower Upper

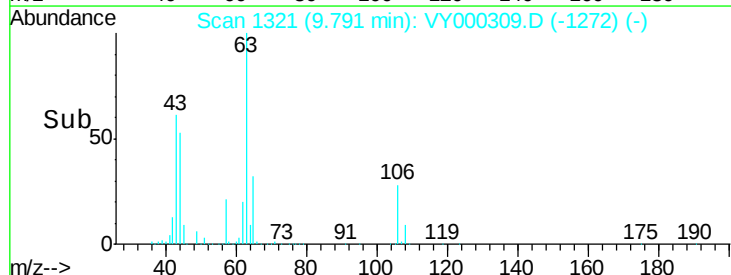
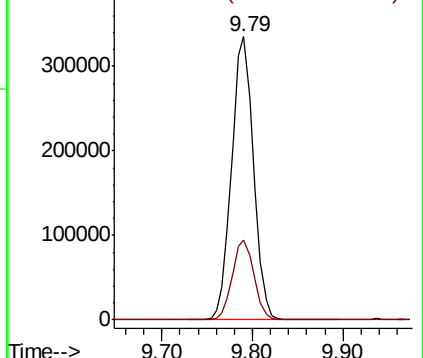
63 100

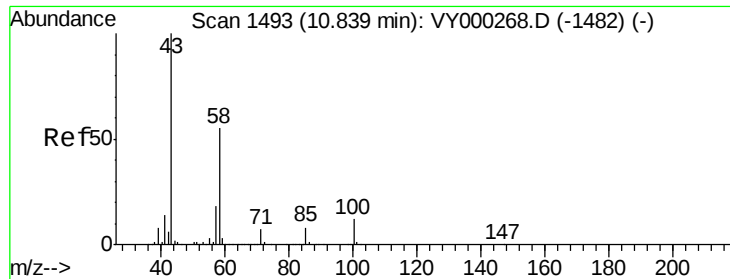
106 28.0 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





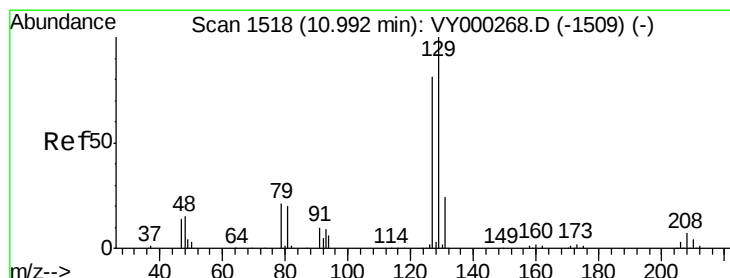
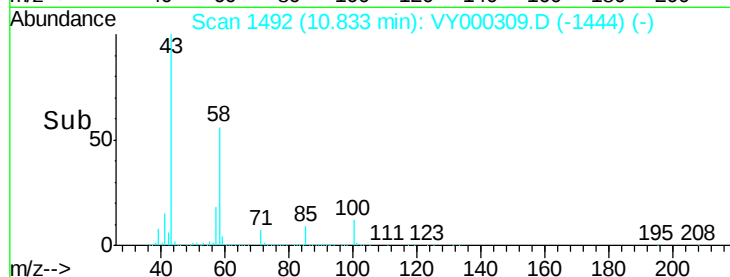
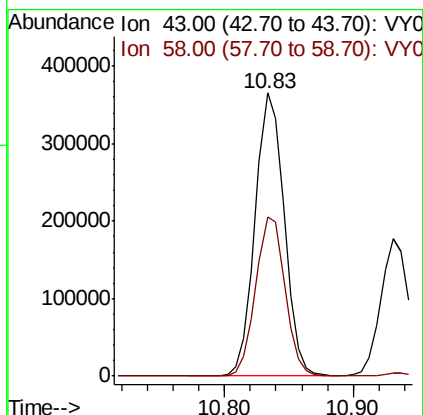
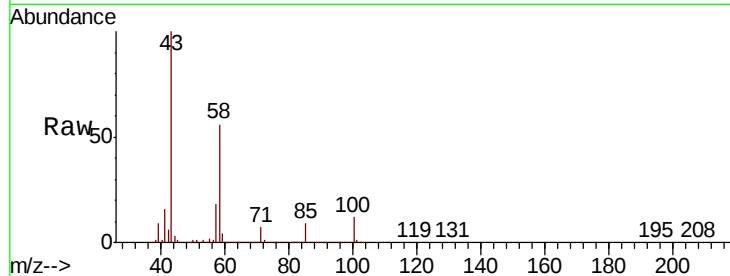
#59
2-Hexanone
Concen: 255.239 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.7	83.1

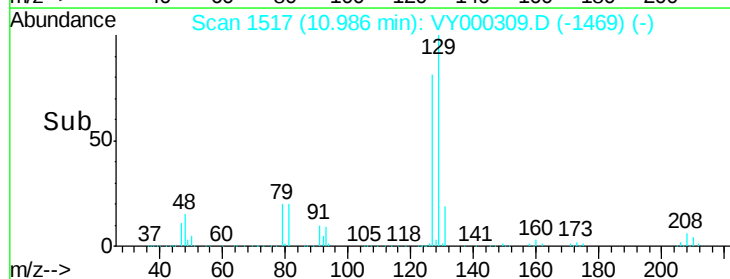
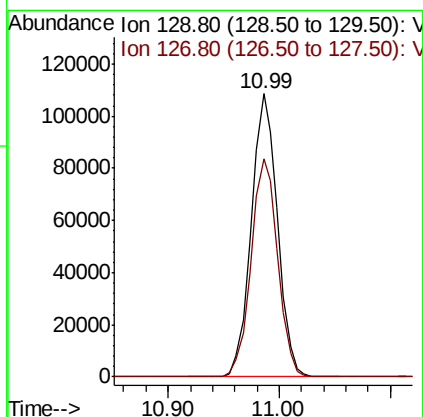
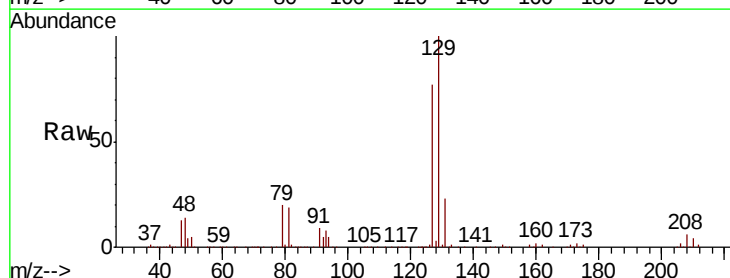
Manual Integrations
APPROVED

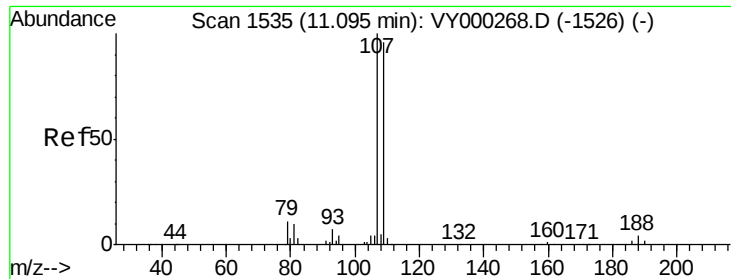
MMDadoda
10/16/2019 12:53:13 AM



#60
Dibromochloromethane
Concen: 50.766 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.9	119.7





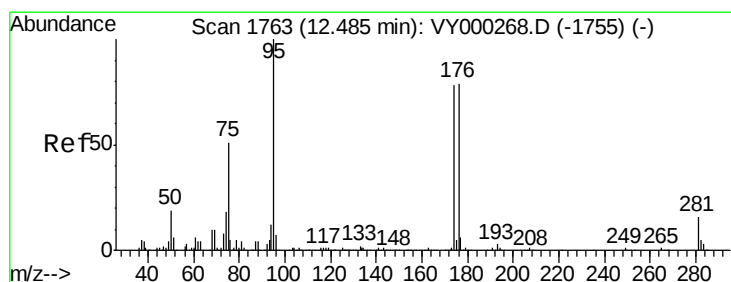
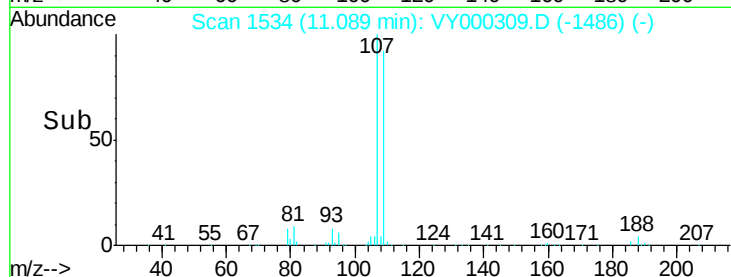
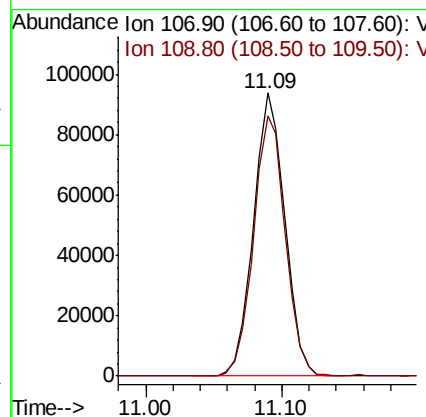
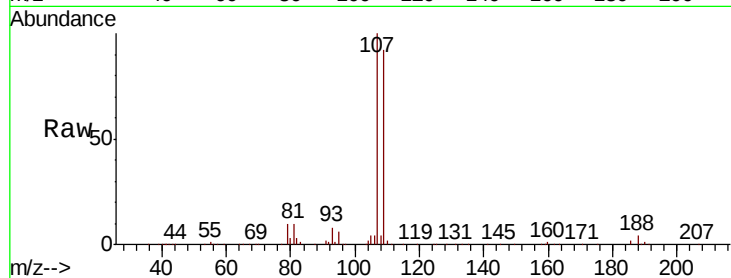
#61
 1,2-Dibromoethane
 Concen: 50.216 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.1	112.7

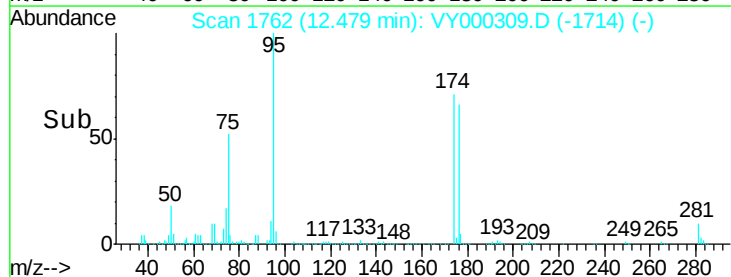
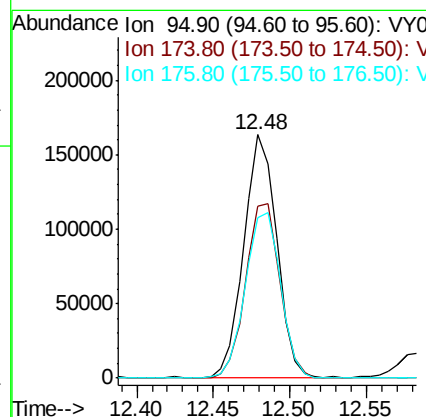
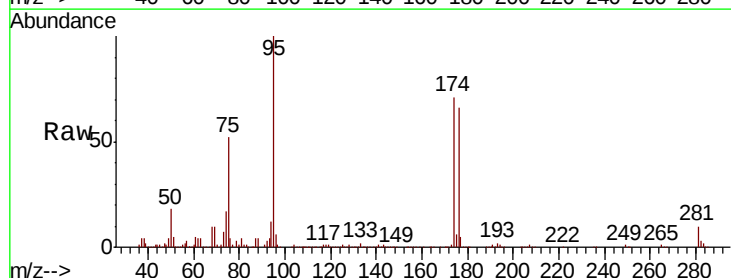
Manual Integrations
 APPROVED

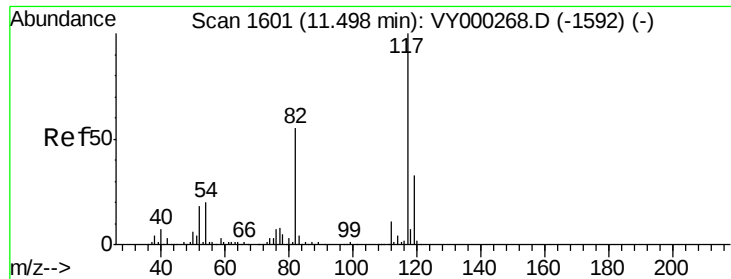
MMDadoda
 10/16/2019 12:53:13 AM



#62
 4-Bromofluorobenzene
 Concen: 49.598 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	159.6
176	73.1	0.0	153.8





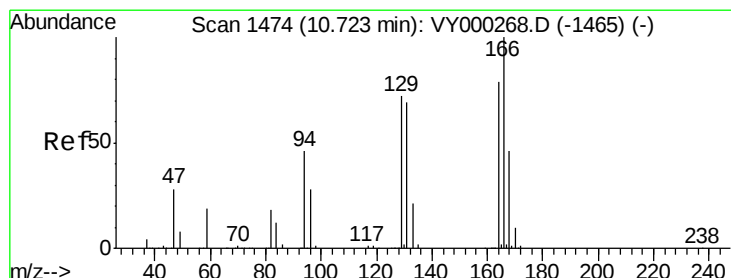
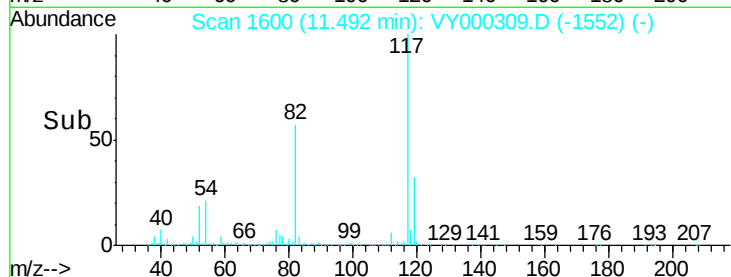
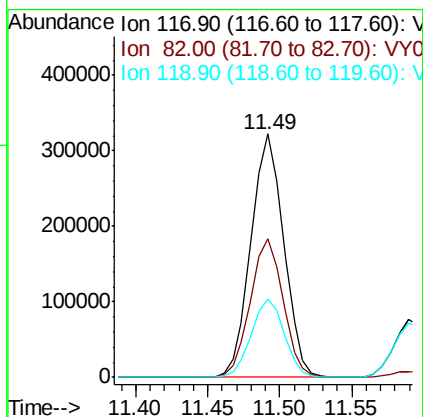
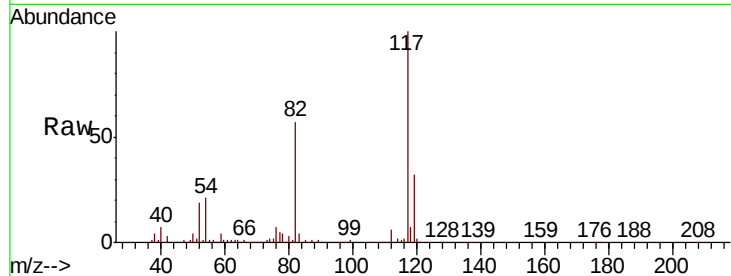
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506845		
82	56.8		43.7	65.5
119	32.0		26.6	39.8

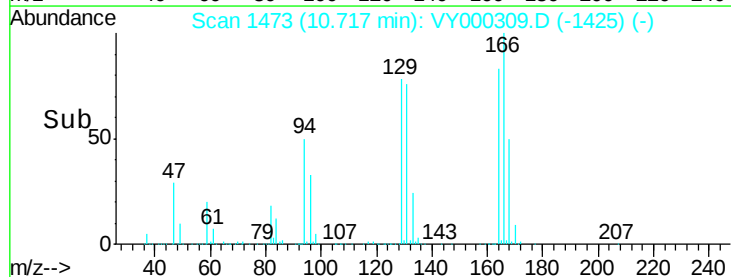
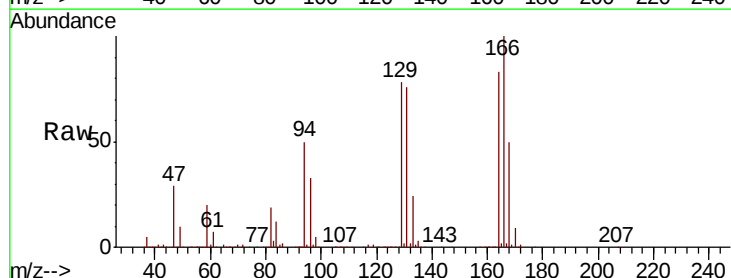
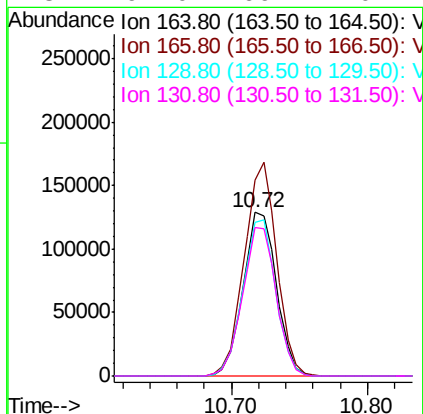
Manual Integrations
APPROVED

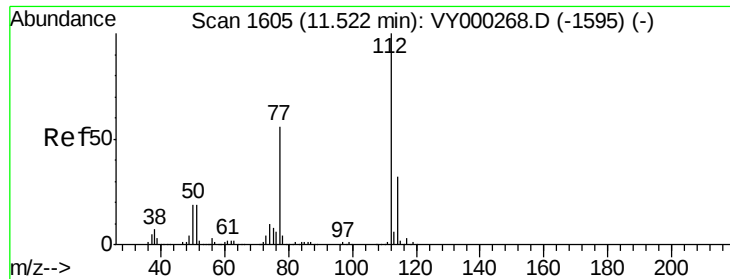
MMDadoda
10/16/2019 12:53:13 AM



#64
Tetrachloroethene
Concen: 45.833 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221153		
166	120.1		100.6	151.0
129	94.2		72.8	109.2
131	91.0		69.4	104.2





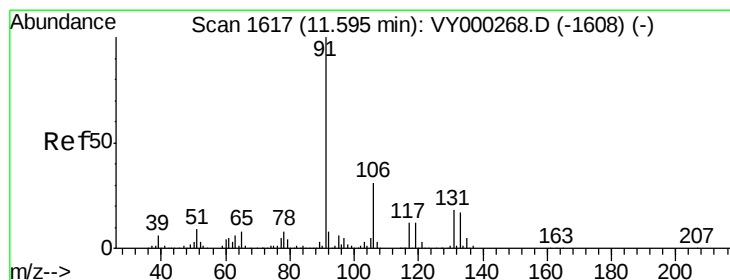
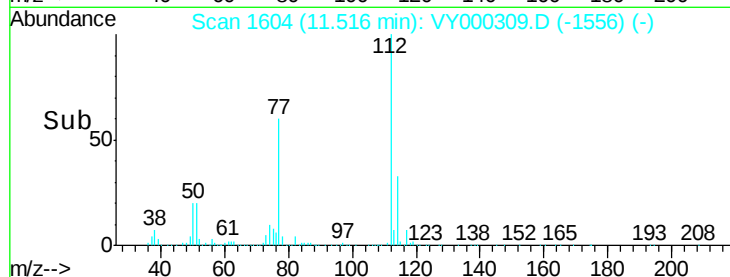
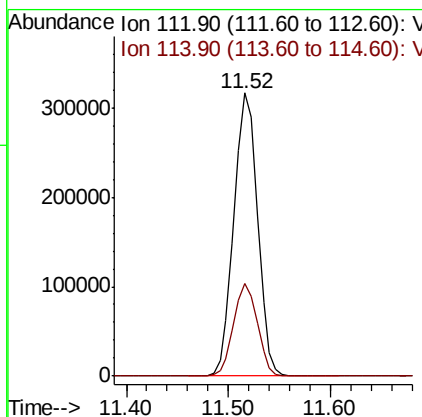
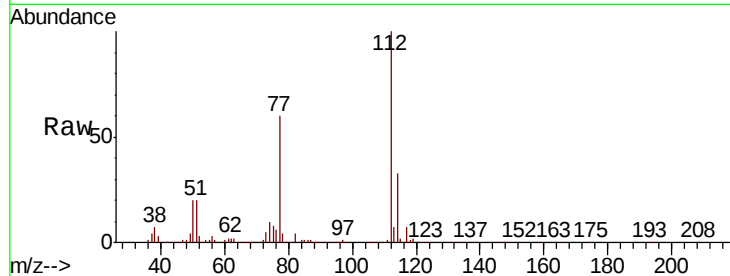
#65
Chlorobenzene
Concen: 47.446 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.7	38.5

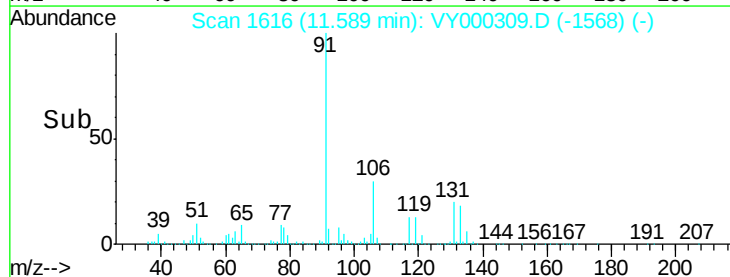
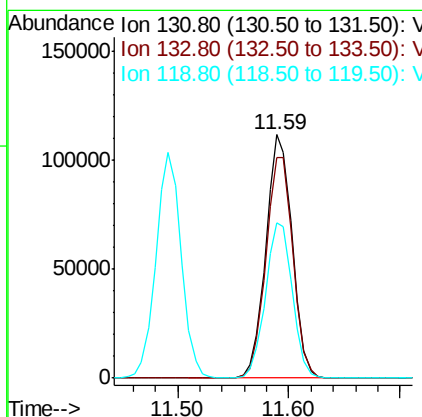
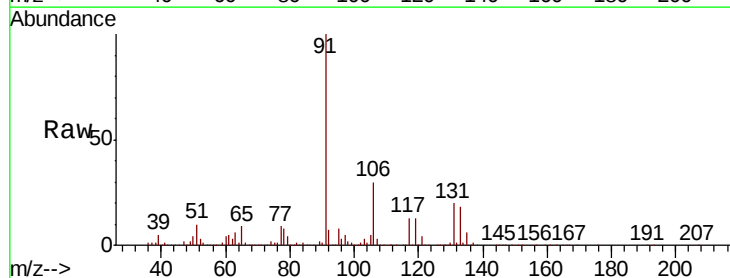
Manual Integrations
APPROVED

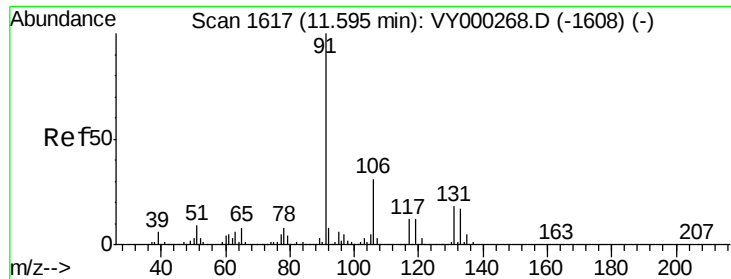
MMDadoda
10/16/2019 12:53:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.086 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.2	141.6
119	65.0	32.6	98.0





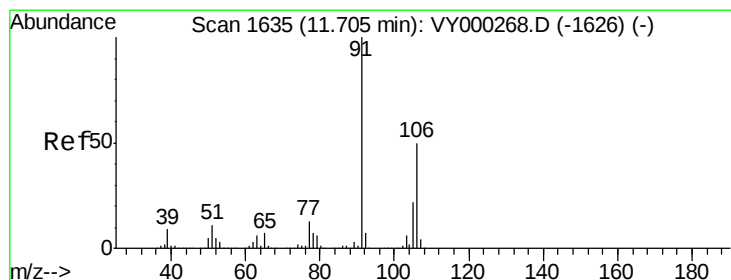
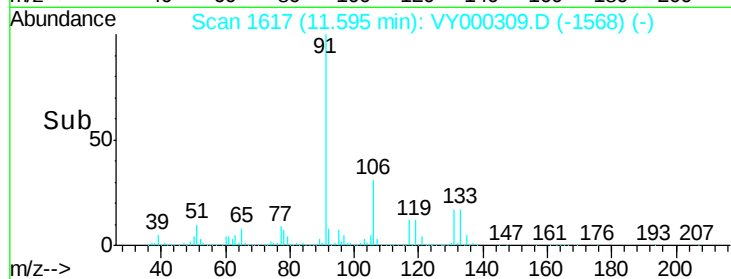
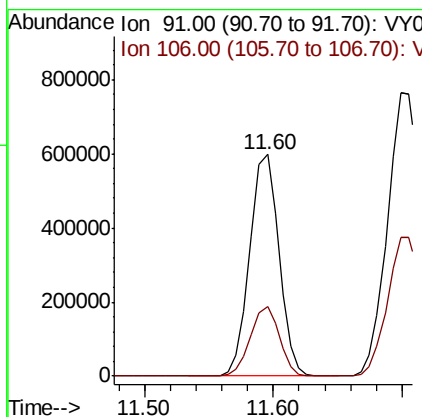
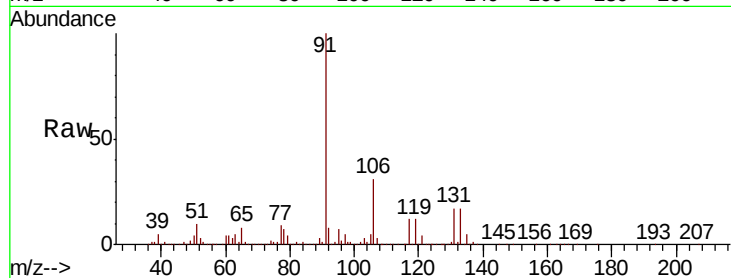
#67
Ethyl Benzene
Concen: 47.277 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 937472
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

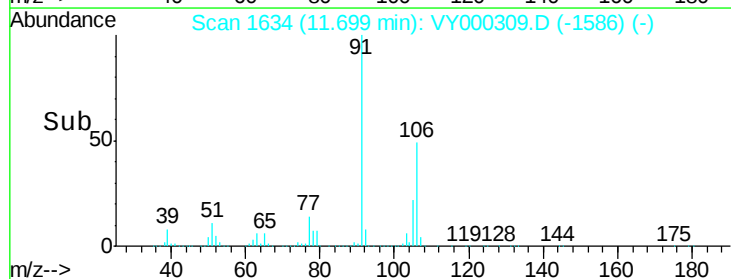
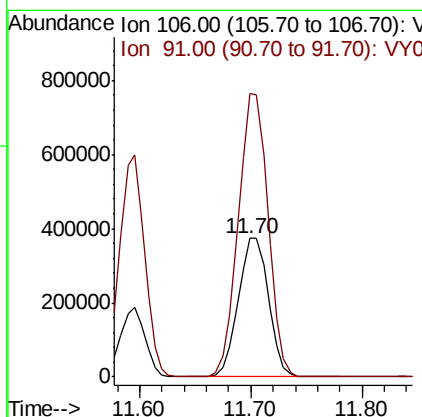
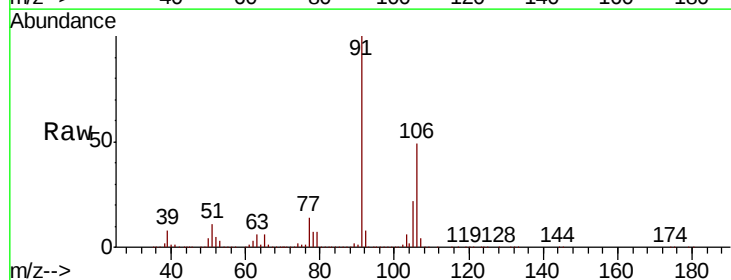
Manual Integrations
APPROVED

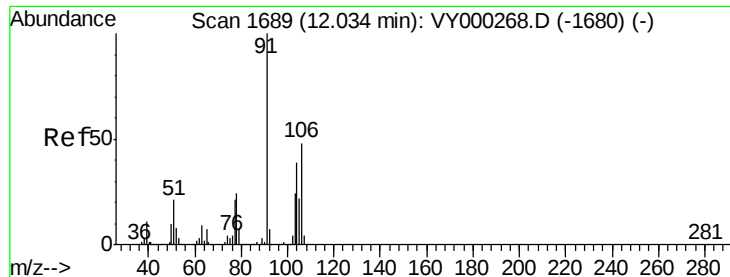
MMDadoda
10/16/2019 12:53:13 AM



#68
m/p-Xylenes
Concen: 92.967 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion: 106 Resp: 704725
Ion Ratio Lower Upper
106 100
91 201.4 157.5 236.3





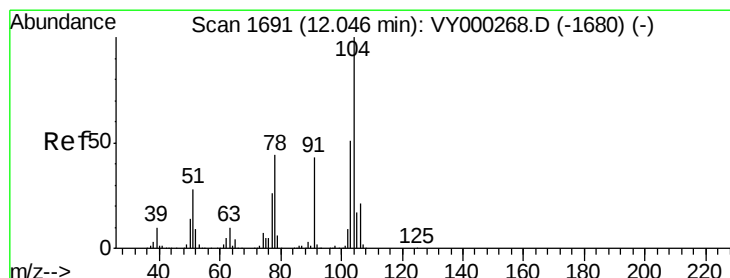
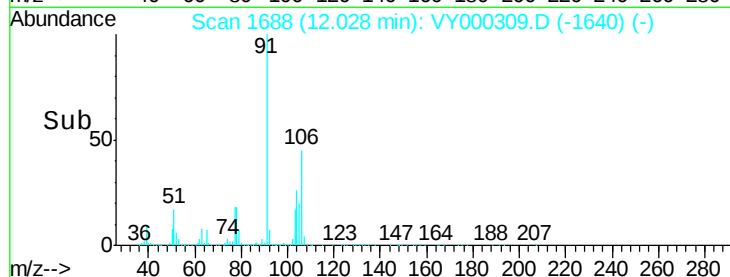
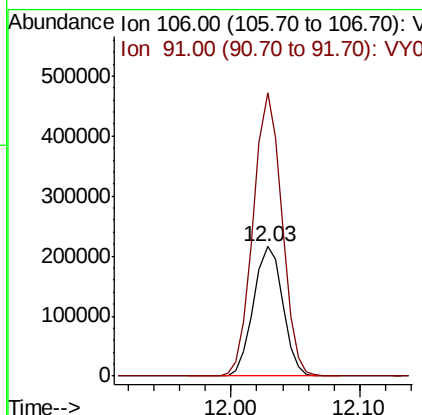
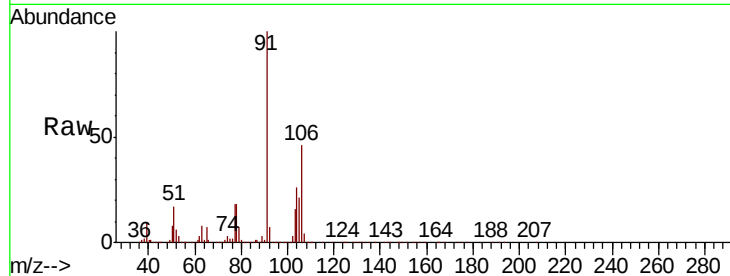
#69
o-Xylene
Concen: 46.881 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 339018
Ion Ratio Lower Upper
106 100
91 213.2 104.7 313.9

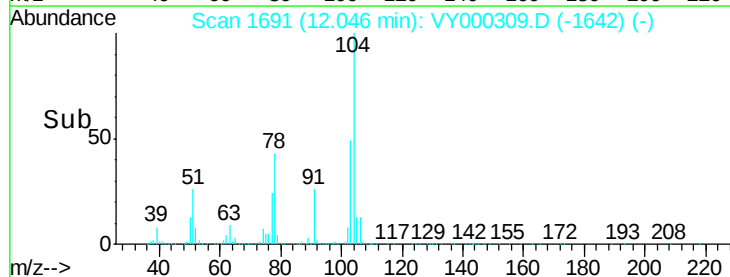
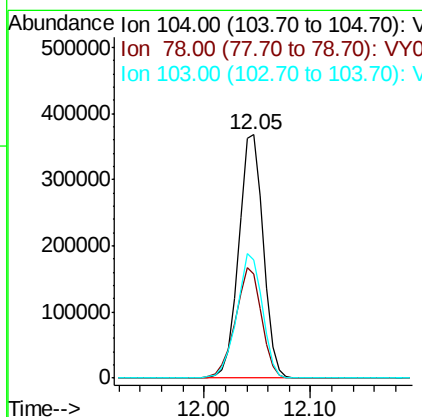
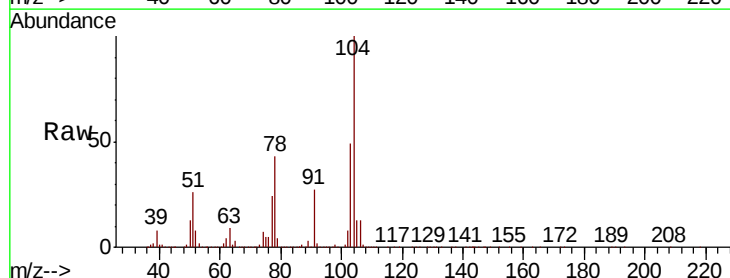
Manual Integrations
APPROVED

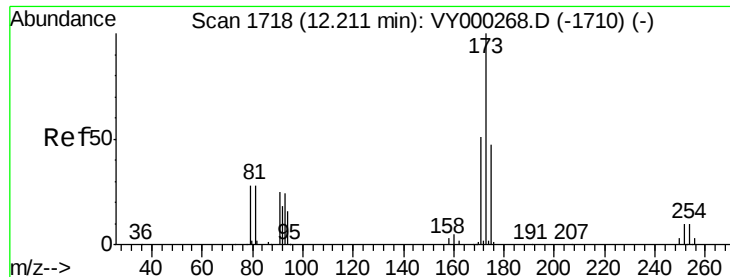
MMDadoda
10/16/2019 12:53:13 AM



#70
Styrene
Concen: 48.822 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion:104 Resp: 595419
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.6
103 53.3 43.1 64.7





#71

Bromoform

Concen: 49.989 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 107980

Ion Ratio Lower Upper

173 100

175 48.0 24.6 73.6

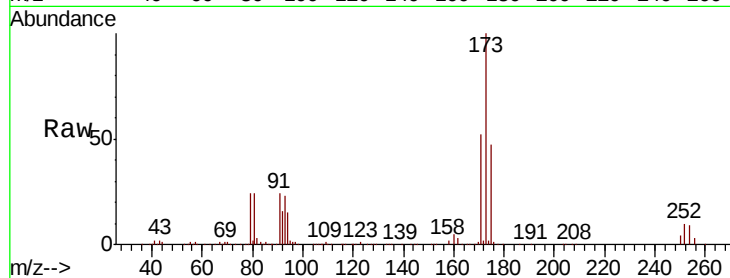
254 0.0 0.1 0.1#

Manual Integrations

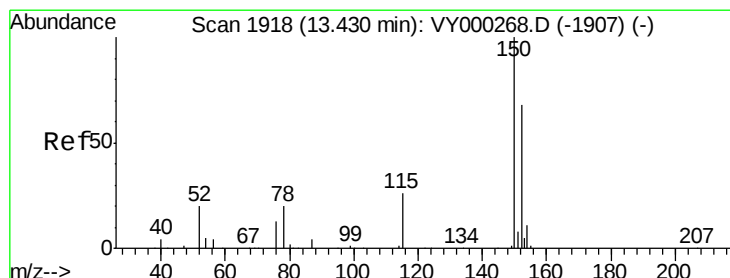
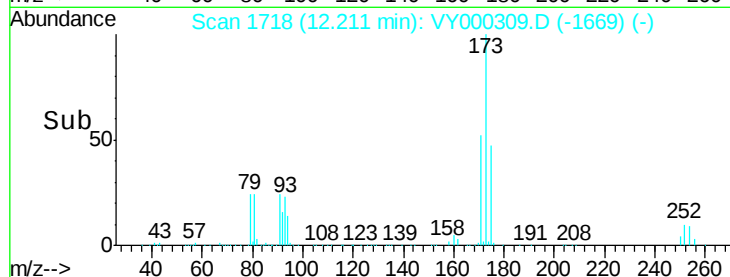
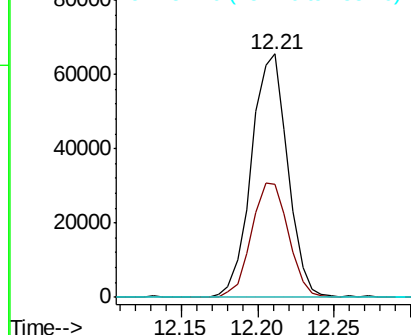
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MMDadoda

10/16/2019 12:53:13 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

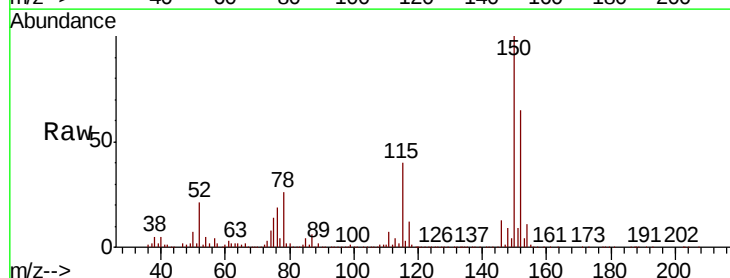
Tgt Ion:152 Resp: 250962

Ion Ratio Lower Upper

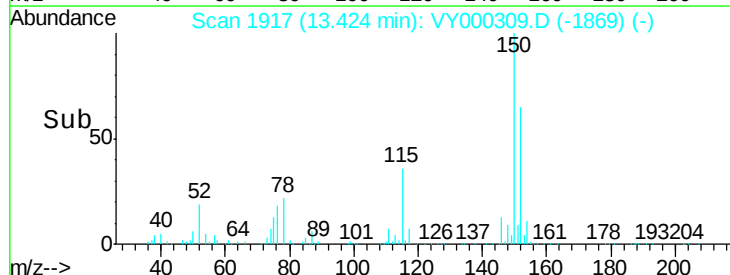
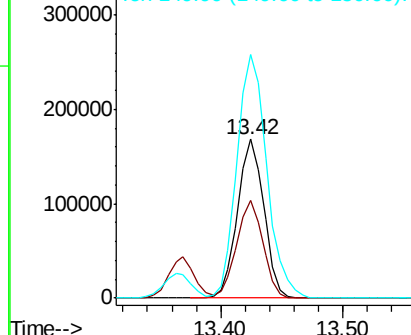
152 100

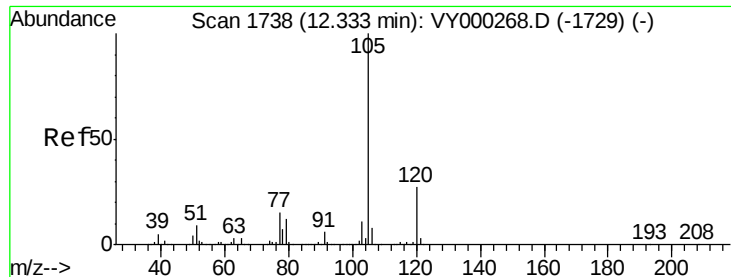
115 60.7 29.3 88.0

150 173.8 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





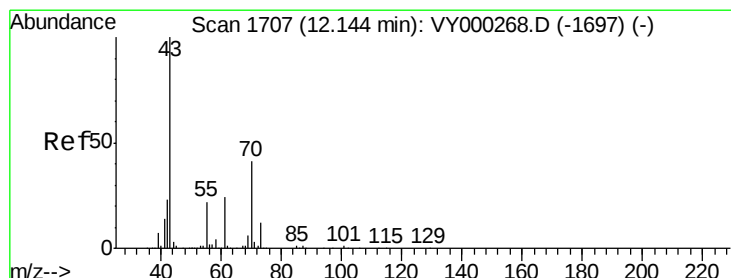
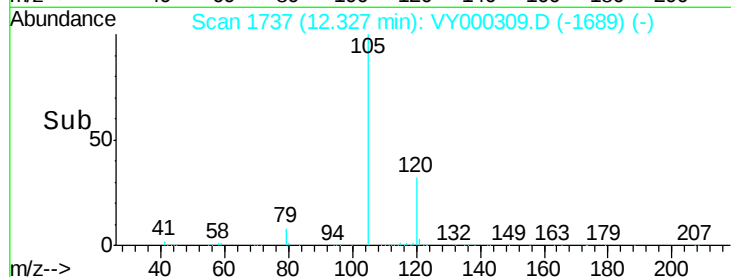
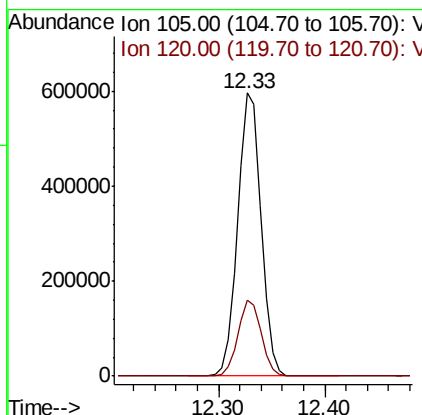
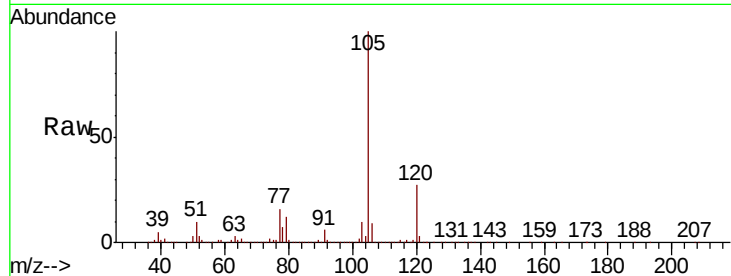
#73
Isopropylbenzene
Concen: 46.904 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

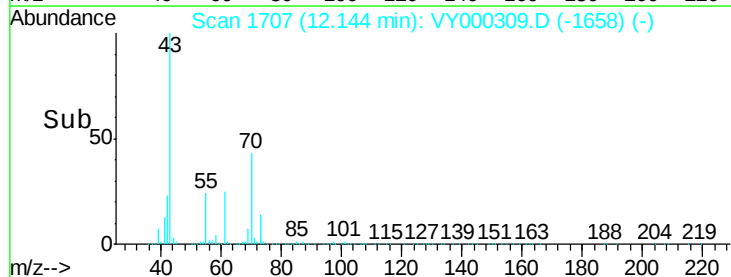
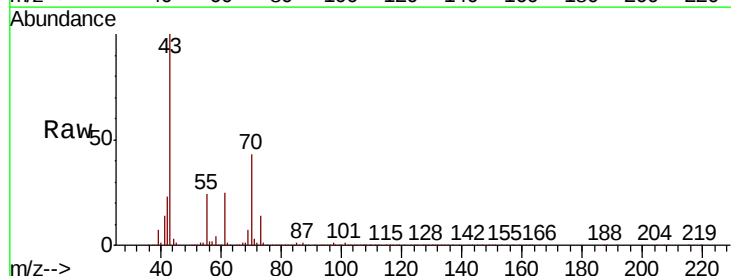
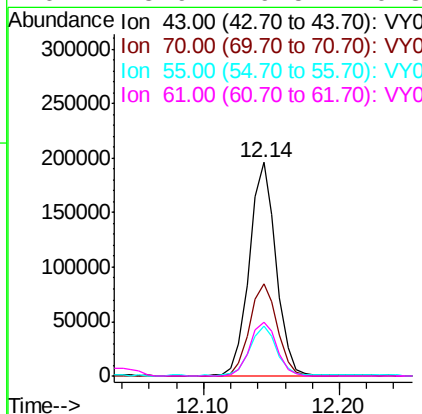
Manual Integrations
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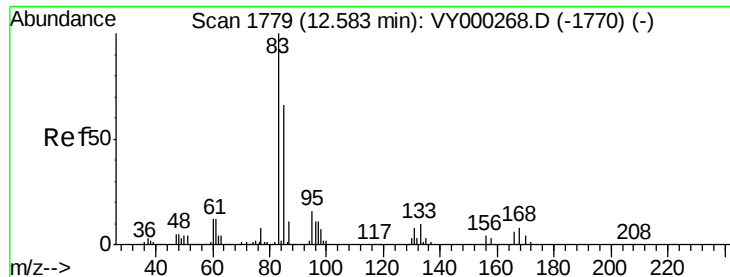
MMDadoda
10/16/2019 12:53:13 AM



#74
N-ethyl acetate
Concen: 55.983 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	32.9	49.3
55	23.6	17.8	26.6
61	25.9	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.742 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

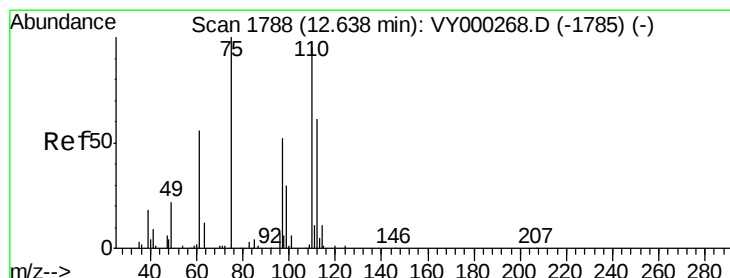
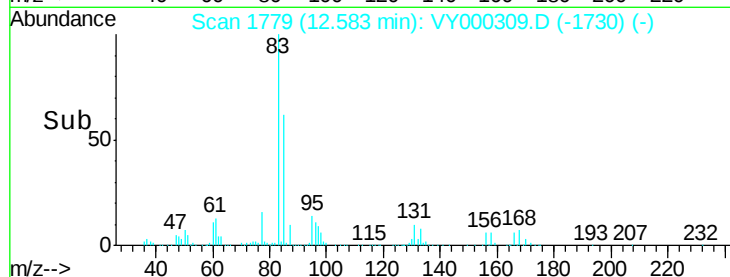
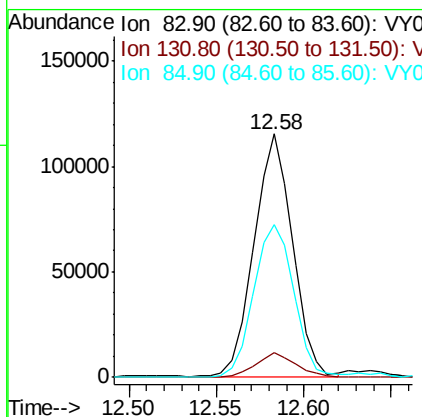
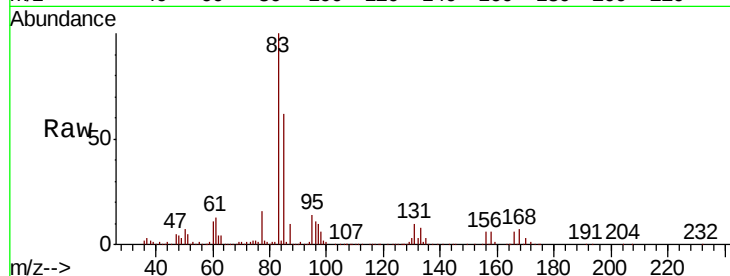
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	175409
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	65.5	32.9	98.7

Manual Integrations
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10/16/2019 12:53:13 AM



#76

1,2,3-Trichloropropane

Concen: 46.578 ug/l m

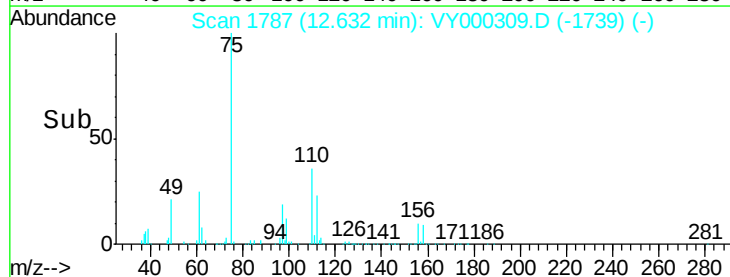
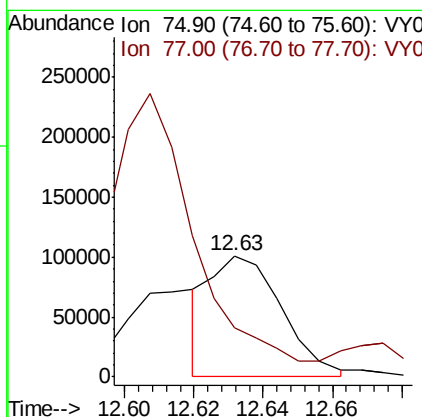
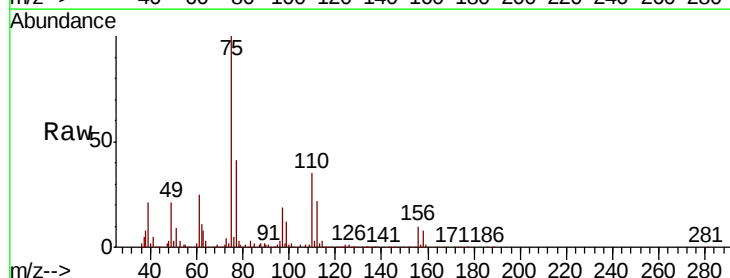
RT: 12.63 min Scan# 1787

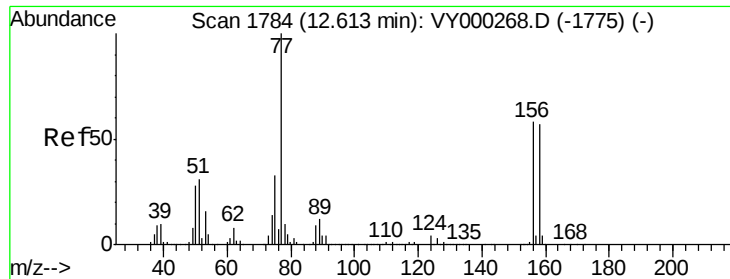
Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	75	Resp:	143737
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.923 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 204323

Ion Ratio Lower Upper

156 100

77 205.5 101.0 302.9

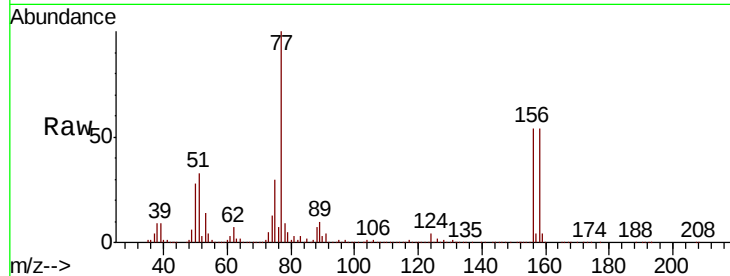
158 97.8 49.7 149.1

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

300000

250000

200000

150000

100000

50000

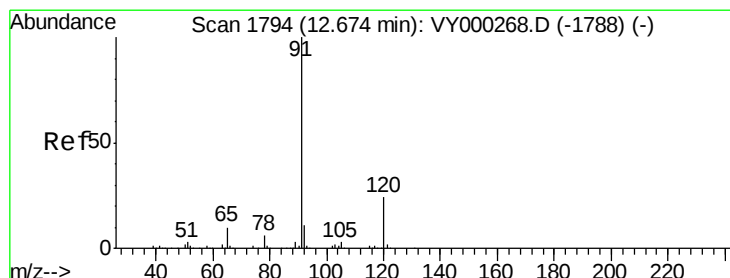
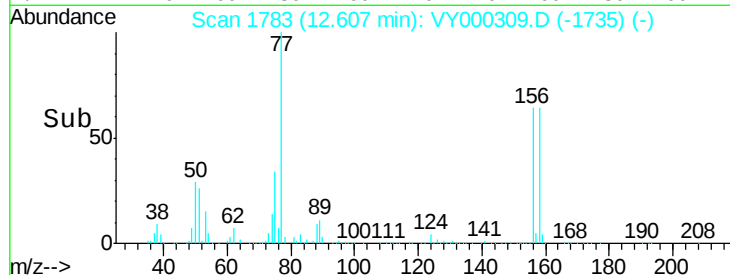
0

12.60

12.61

12.70

Time-->



#78

n-propylbenzene

Concen: 47.458 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000309.D

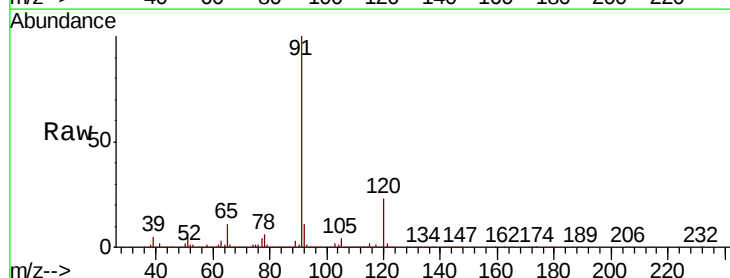
Acq: 14 Oct 2019 19:03

Tgt Ion: 91 Resp: 1115015

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

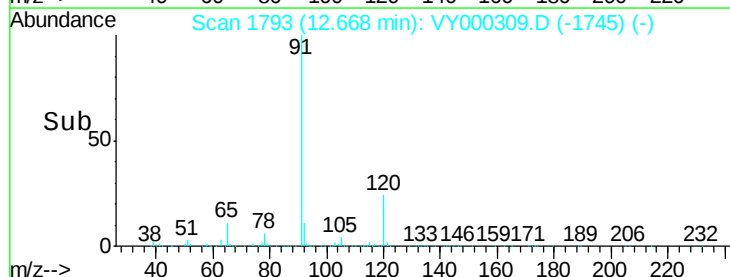
12.60

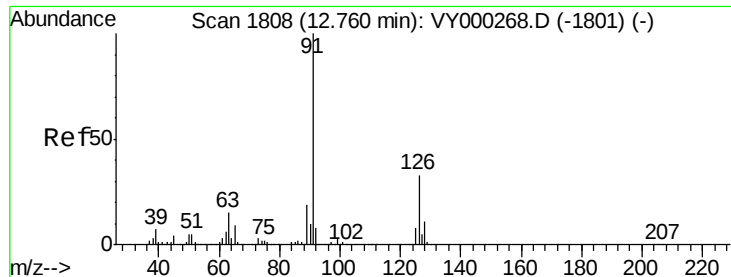
12.65

12.67

12.70

Time-->





#79

2-Chlorotoluene

Concen: 48.279 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 626436

Ion Ratio Lower Upper

91 100

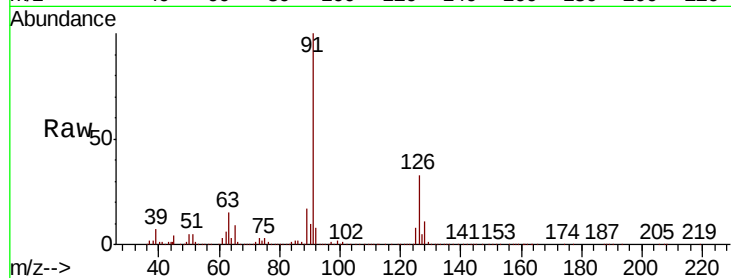
126 33.4 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000268.D (-1801) (-)

800000

600000

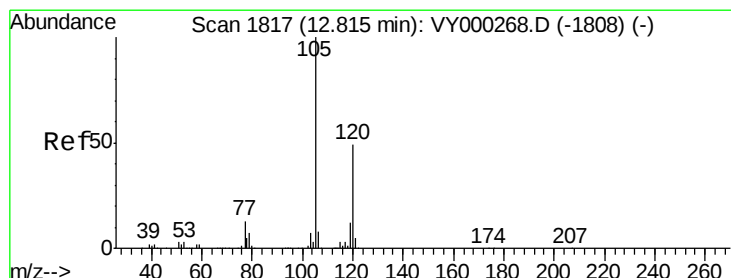
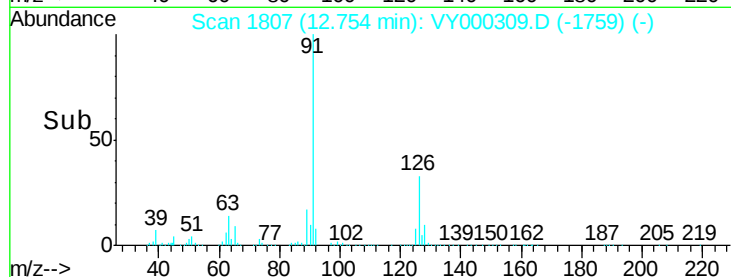
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.568 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY000309.D

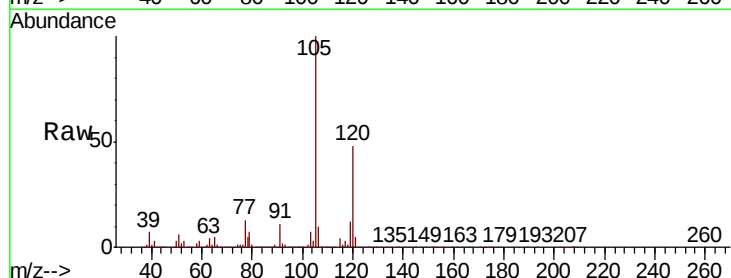
Acq: 14 Oct 2019 19:03

Tgt Ion: 105 Resp: 780531

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)

600000

500000

400000

300000

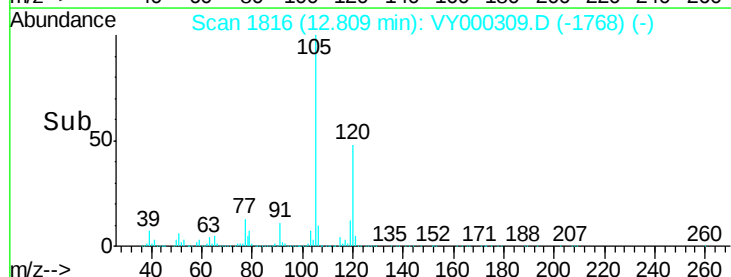
200000

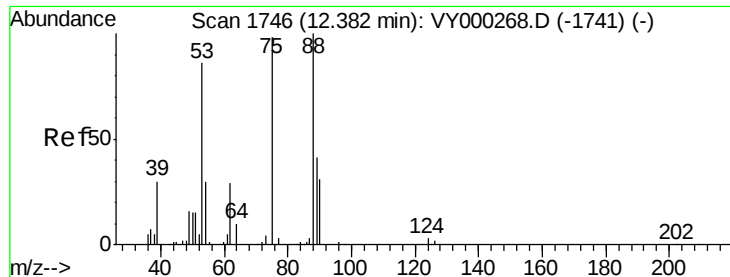
100000

0

12.80 12.81 12.82

Time-->





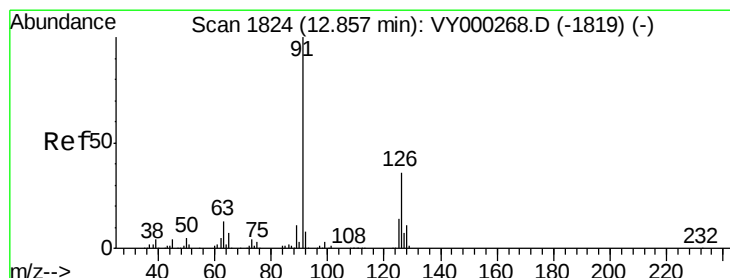
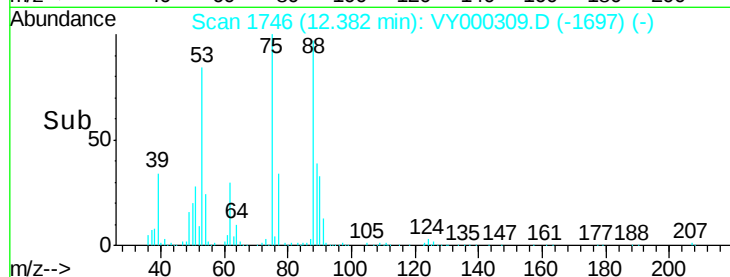
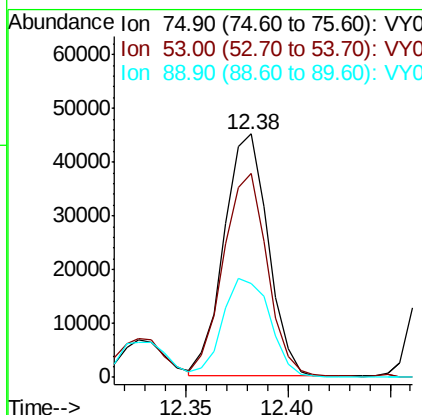
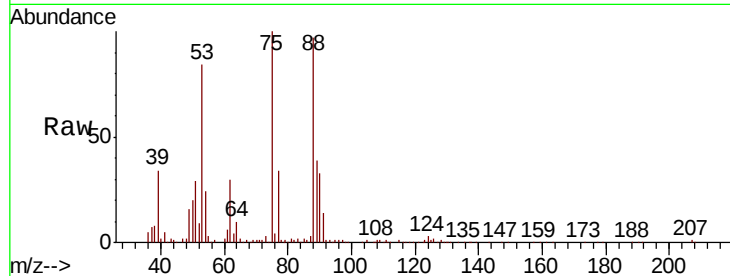
#81
trans-1,4-Dichloro-2-butene
Concen: 47.851 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.0	71.3	106.9
89	44.3	35.1	52.7

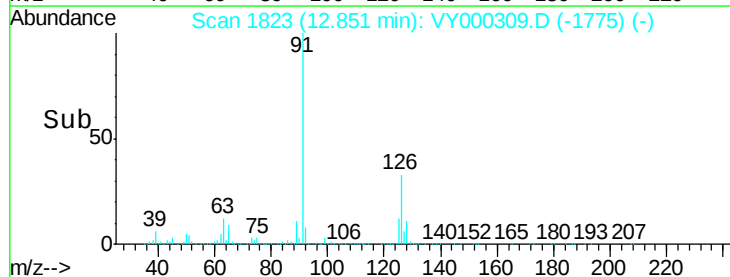
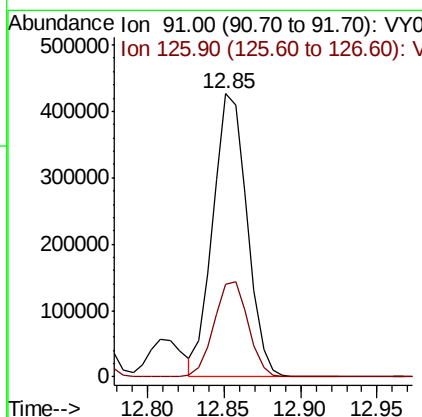
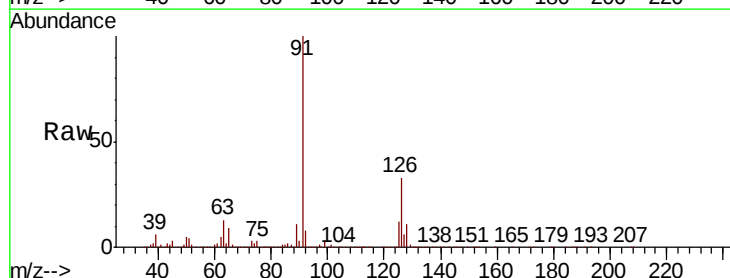
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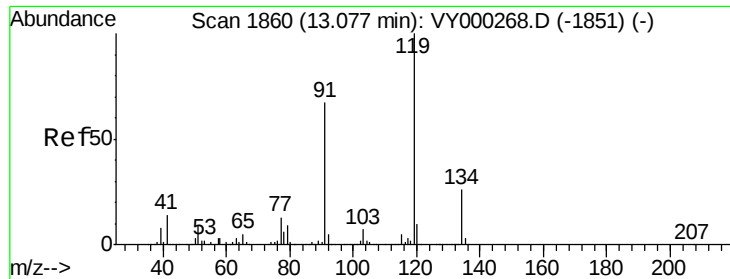
MMDadoda
10/16/2019 12:53:13 AM



#82
4-Chlorotoluene
Concen: 48.105 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.2	51.5





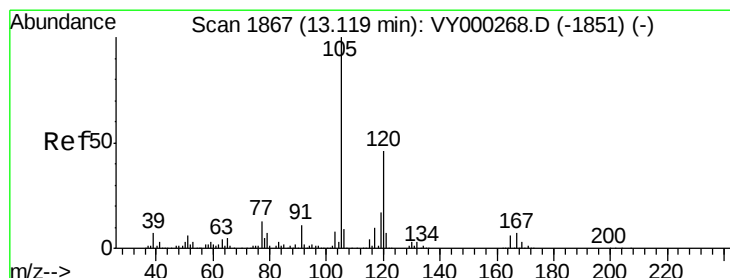
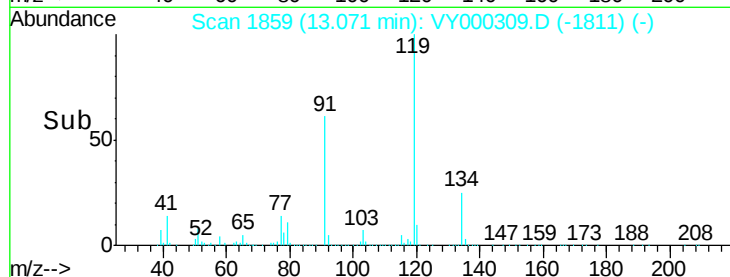
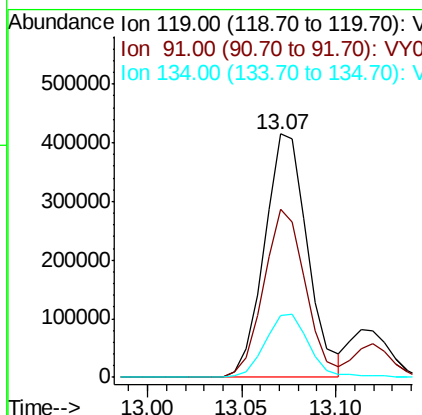
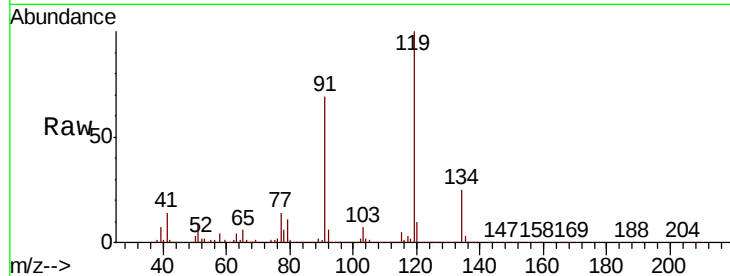
#83
tert-Butylbenzene
Concen: 47.328 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.9	98.7
134	26.6	13.3	39.8

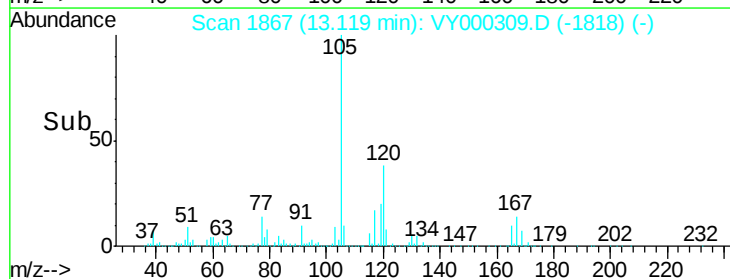
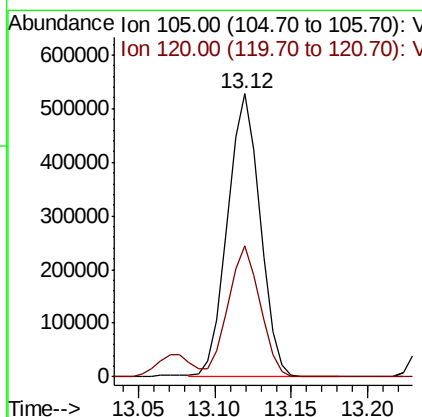
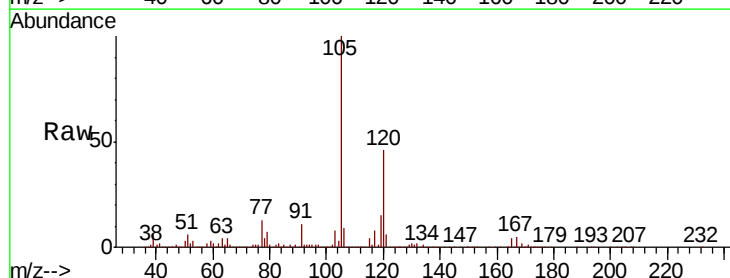
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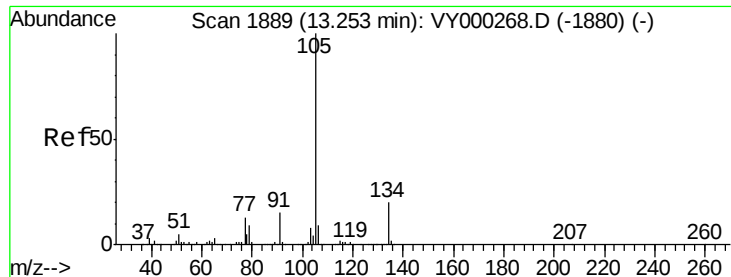
MMDadoda
10/16/2019 12:53:13 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.056 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.004 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 964946

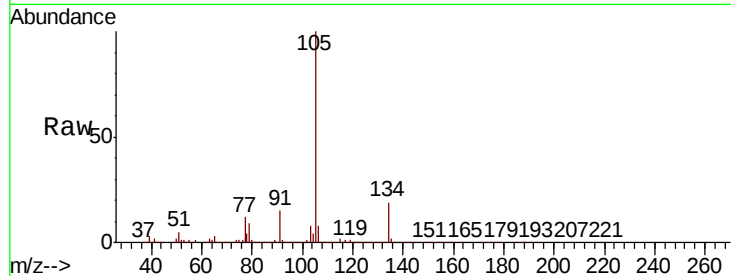
Ion Ratio Lower Upper

105 100

134 19.5 10.1 30.1

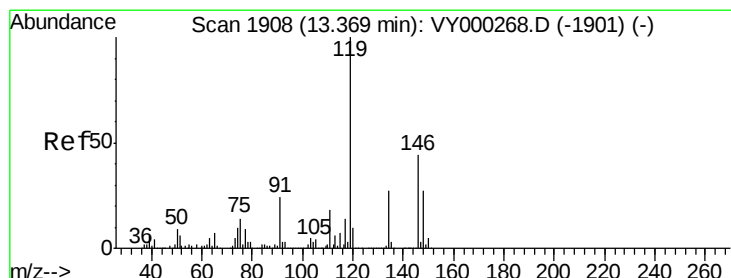
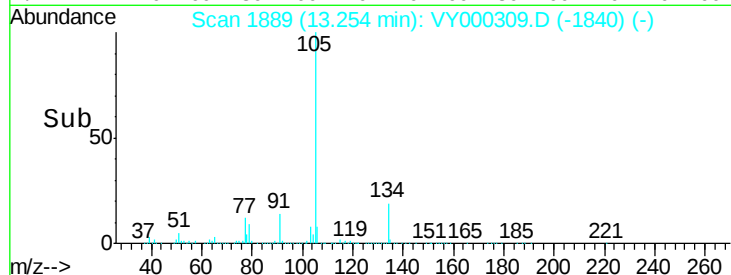
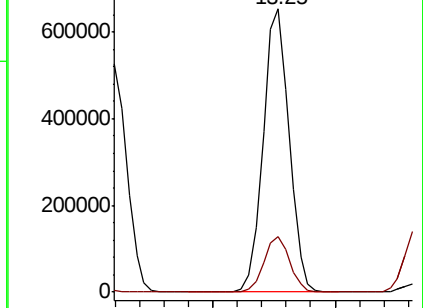
Manual Integrations
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10/16/2019 12:53:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.004 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

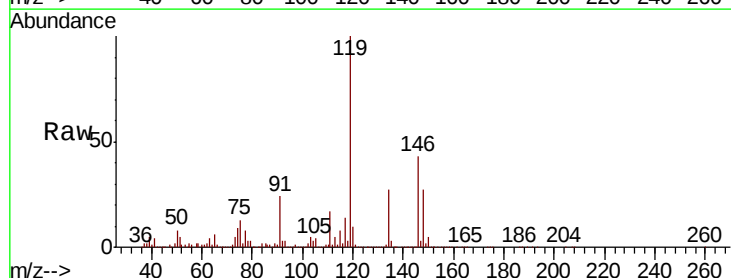
Tgt Ion:119 Resp: 841265

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

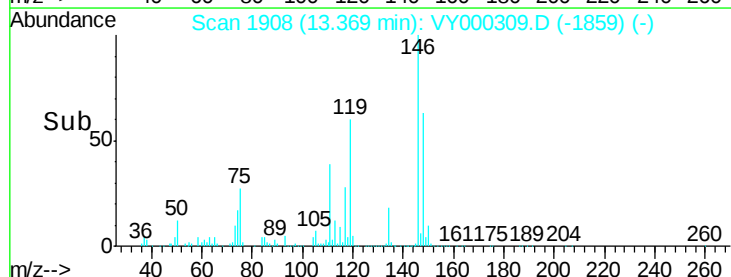
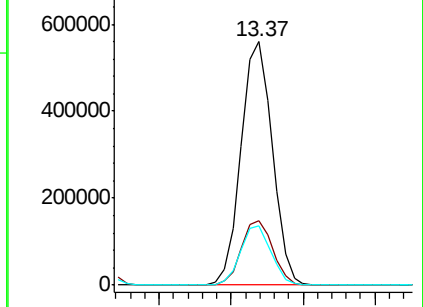
91 23.7 12.0 36.1

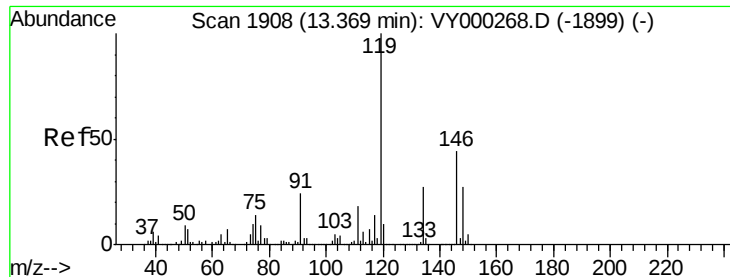


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





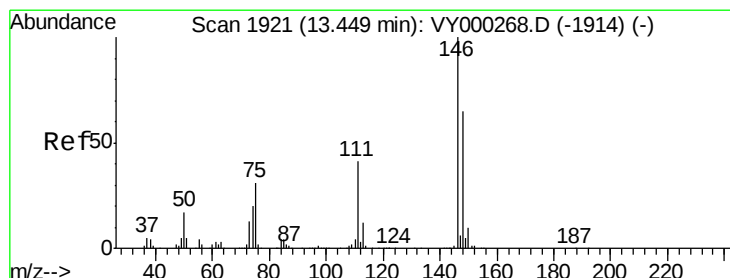
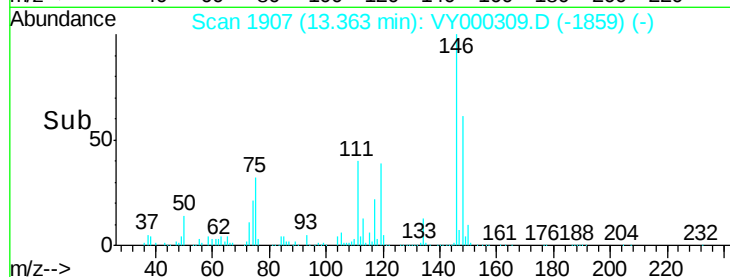
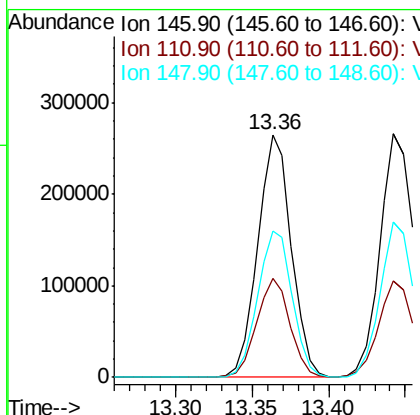
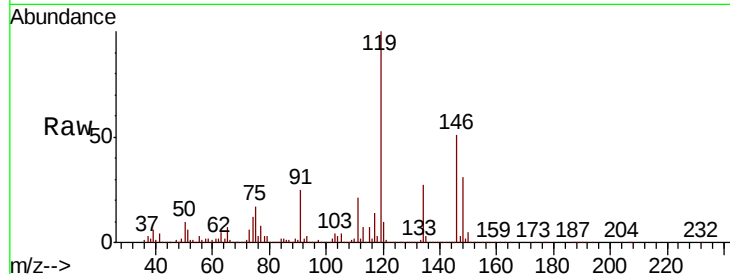
#87
 1,3-Dichlorobenzene
 Concen: 47.074 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	62.2	31.9	95.5

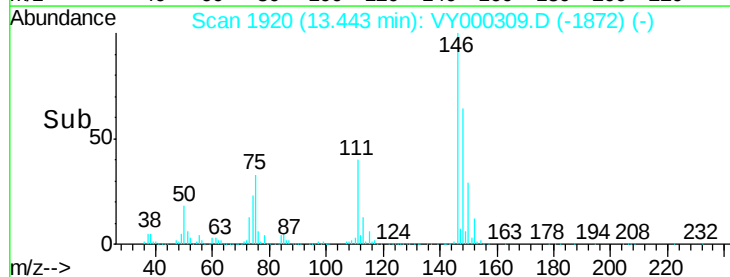
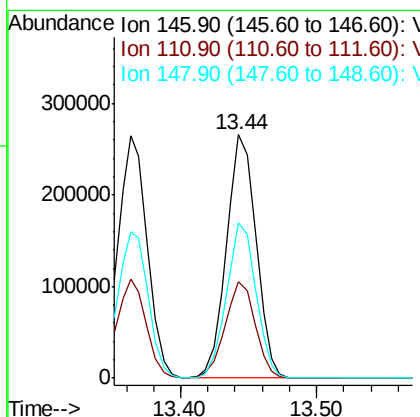
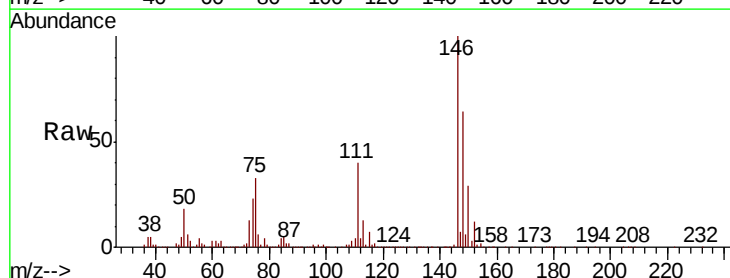
Manual Integrations
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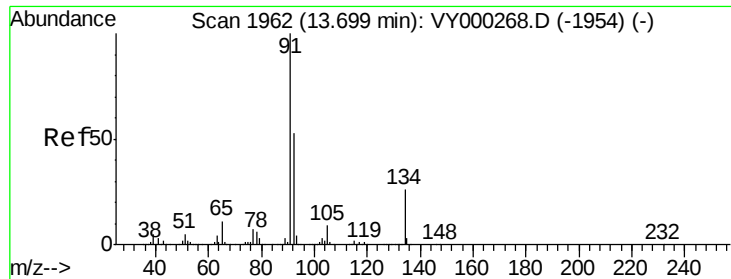
MMDadoda
 10/16/2019 12:53:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.030 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	63.4	32.4	97.2





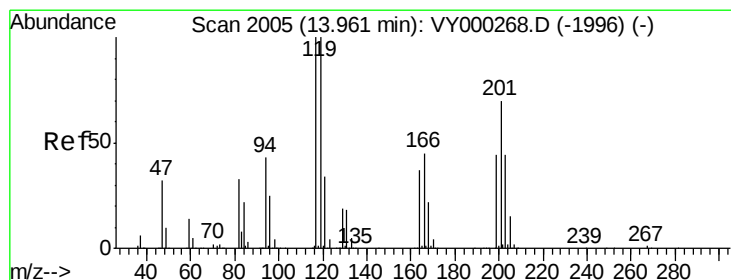
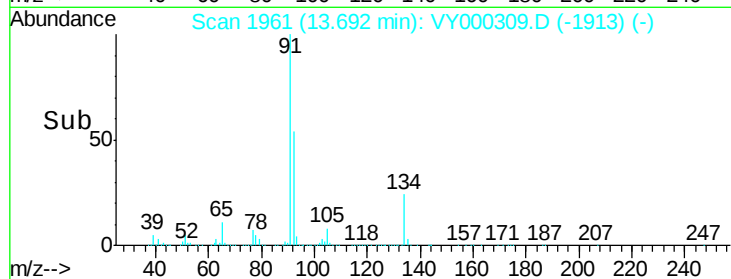
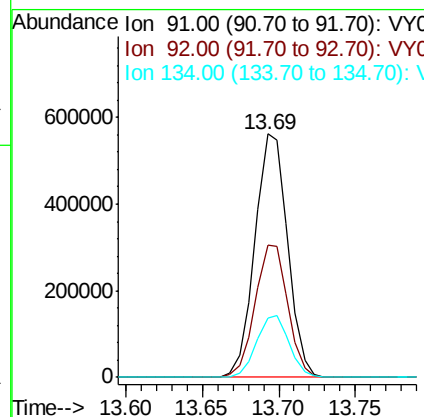
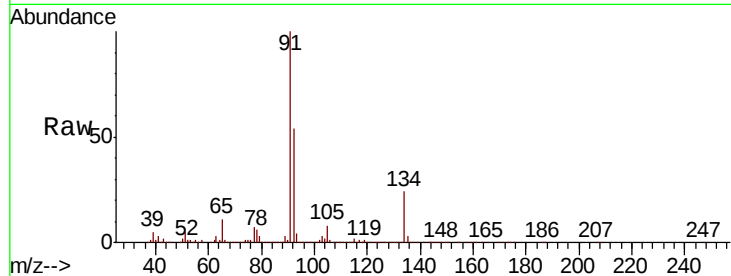
#89
n-Butylbenzene
Concen: 48.329 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.7	80.1
134	25.3	13.0	38.9

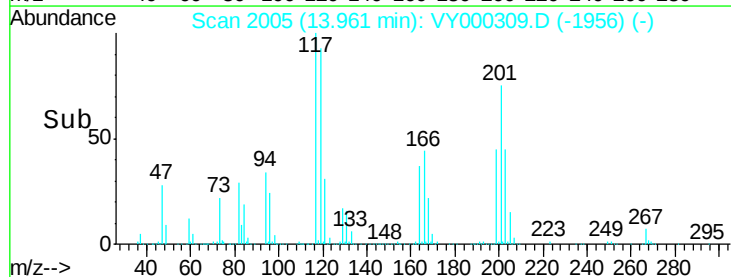
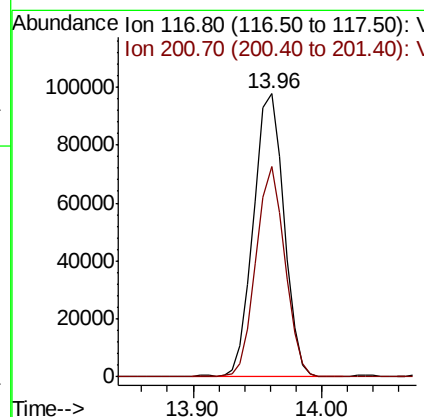
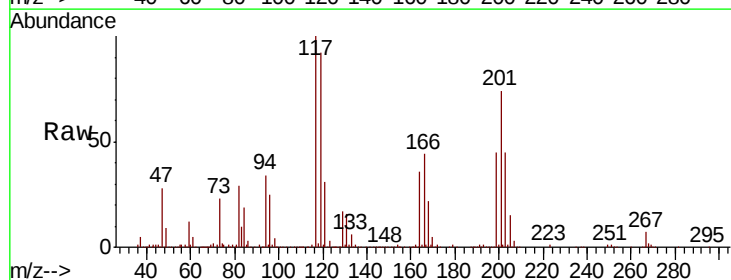
Manual Integrations
APPROVED

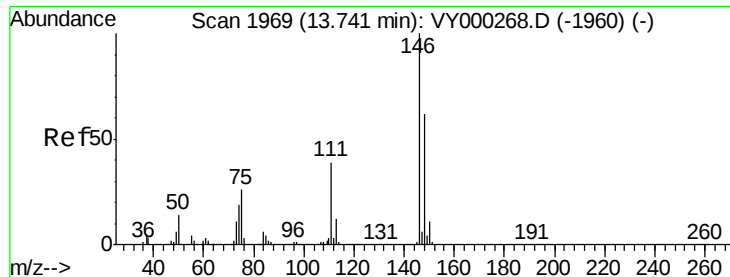
MMDadoda
10/16/2019 12:53:13 AM



#90
Hexachloroethane
Concen: 49.158 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	36.3	108.7





#91

1,2-Dichlorobenzene

Concen: 48.672 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Instrument :

MSVOA_Y

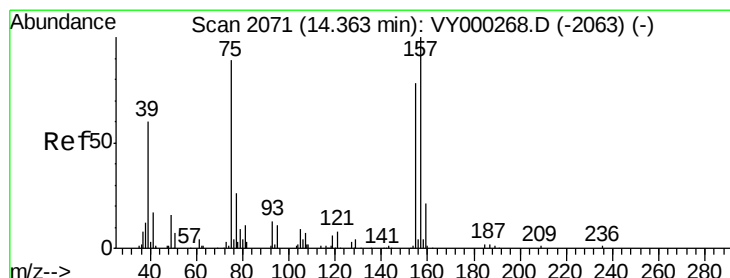
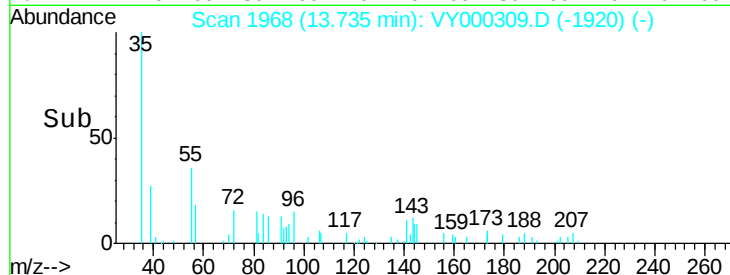
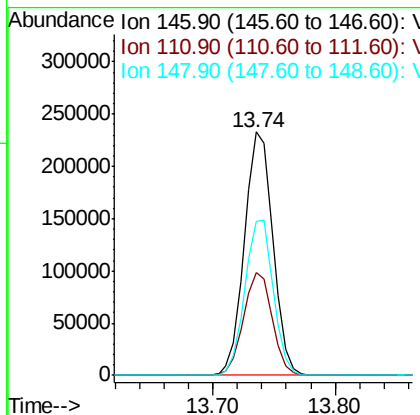
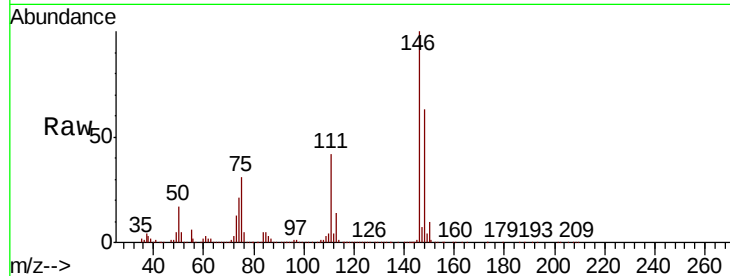
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	377901
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.5	61.5
148	63.6	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.988 ug/l

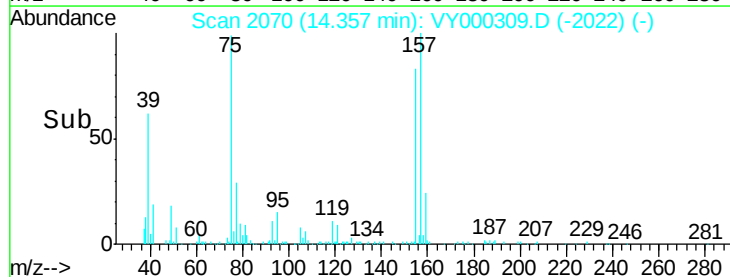
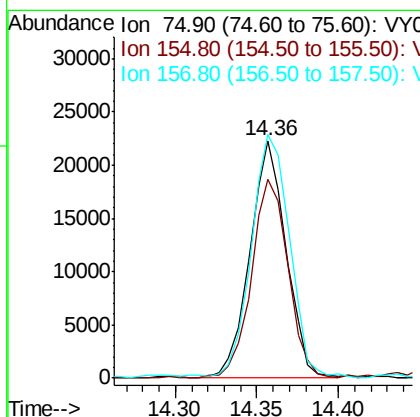
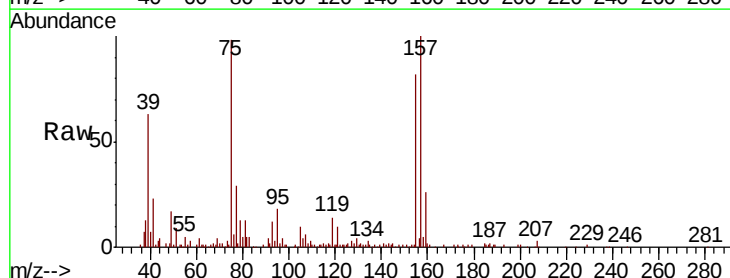
RT: 14.36 min Scan# 2070

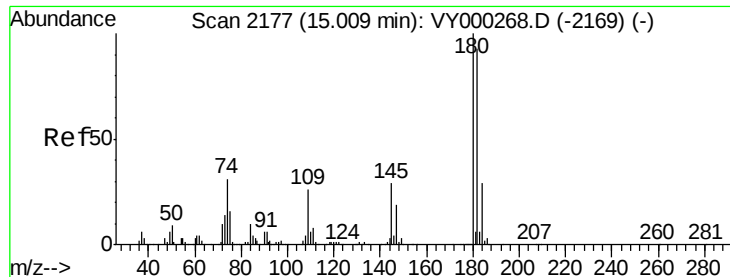
Delta R.T. -0.01 min

Lab File: VY000309.D

Acq: 14 Oct 2019 19:03

Tgt Ion:	75	Resp:	34136
Ion Ratio	Lower	Upper	
75	100		
155	85.5	45.8	137.3
157	109.5	55.6	166.9





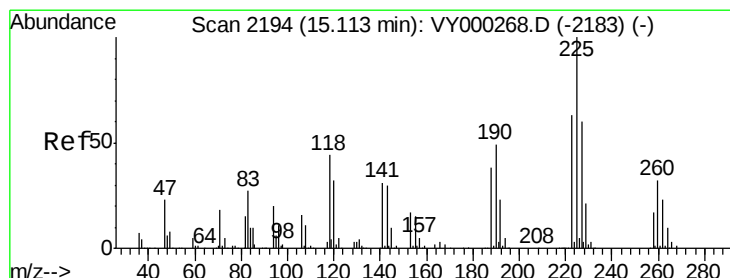
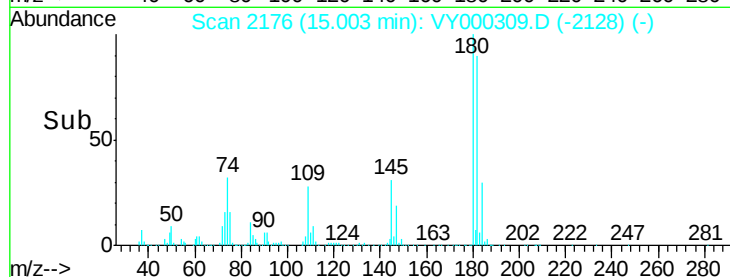
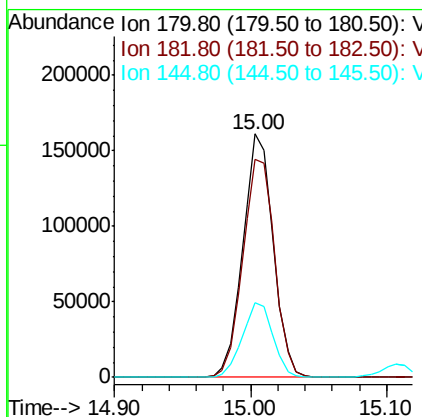
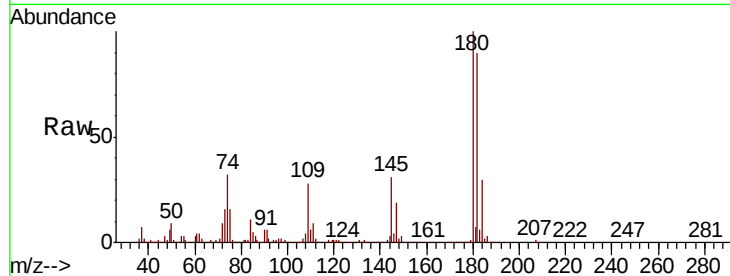
#93
 1,2,4-Trichlorobenzene
 Concen: 46.318 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	250382		
182	94.1	47.5	142.6	
145	30.9	15.4	46.1	

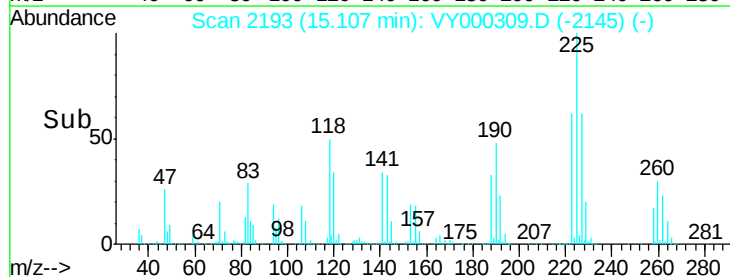
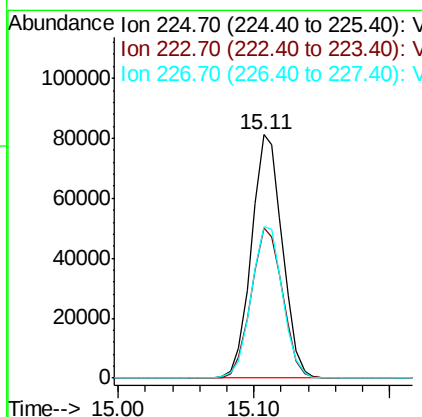
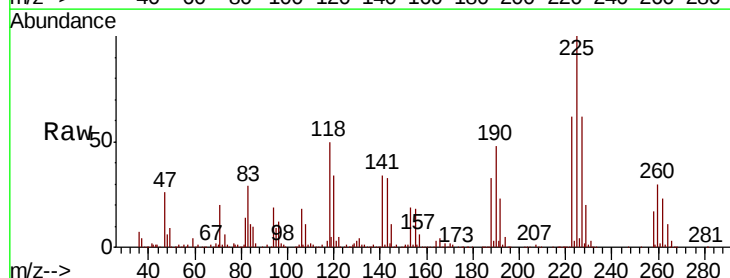
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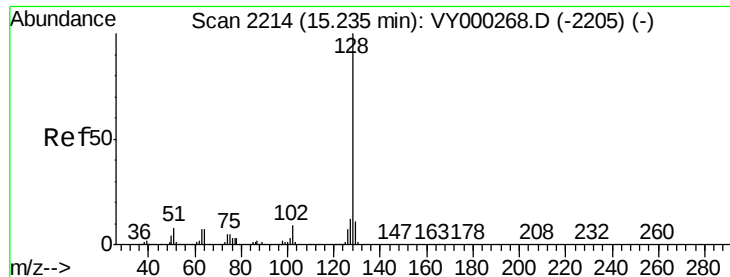
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#94
 Hexachlorobutadiene
 Concen: 44.147 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000309.D
 Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129149		
223	62.9	31.9	95.7	
227	63.1	31.4	94.2	





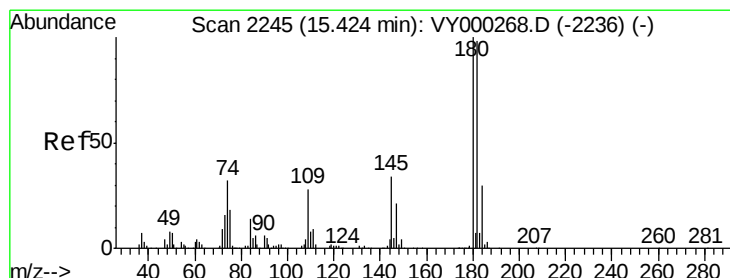
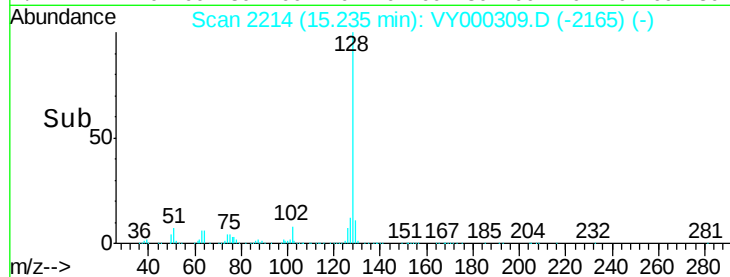
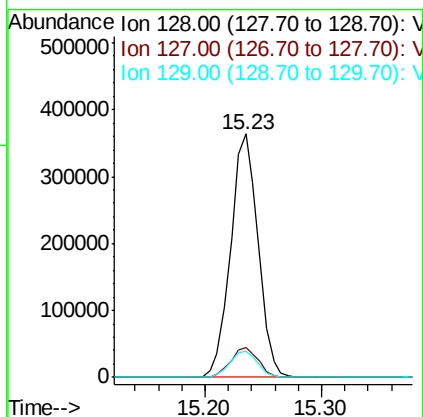
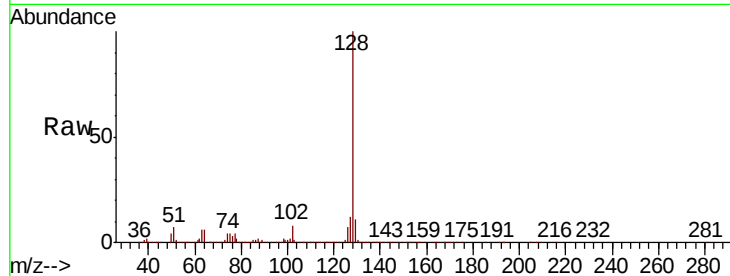
#95
Naphthalene
Concen: 49.375 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	595639		
127	12.5		9.6	14.4
129	11.0		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.207 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000309.D
Acq: 14 Oct 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	229989		
182	93.0		46.5	139.5
145	32.9		16.2	48.5

