

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000319.D
 Acq On : 15 Oct 2019 17:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:27 AM

Quant Time: Oct 15 18:02:12 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	301250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	499794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	454816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	166174	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.73	113	146143	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.18	98	619251	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.48	95	231097	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	109568	45.670	ug/l	99
3) Chloromethane	2.12	50	152449	41.413	ug/l	99
4) Vinyl Chloride	2.25	62	170374	45.860	ug/l	96
5) Bromomethane	2.65	94	119123	43.265	ug/l	99
6) Chloroethane	2.79	64	113776	47.464	ug/l	99
7) Trichlorofluoromethane	3.13	101	243380	47.892	ug/l	97
8) Diethyl Ether	3.53	74	90941	50.656	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	149225	48.419	ug/l	98
10) Methyl Iodide	4.09	142	201635	46.029	ug/l	99
11) Tert butyl alcohol	4.97	59	77758	233.823	ug/l	99
12) 1,1-Dichloroethene	3.88	96	145240	47.736	ug/l	96
13) Acrolein	3.74	56	113432	290.940	ug/l	99
14) Allyl chloride	4.49	41	253039	50.186	ug/l	99
15) Acrylonitrile	5.18	53	244732	243.552	ug/l	99
16) Acetone	3.95	43	231022	224.494	ug/l	97
17) Carbon Disulfide	4.19	76	441429	46.080	ug/l	98
18) Methyl Acetate	4.48	43	116594	45.600	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	434924	51.350	ug/l	97
20) Methylene Chloride	4.72	84	195270	57.088	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	167678	48.035	ug/l	93
22) Diisopropyl ether	6.13	45	562502	52.748	ug/l	95
23) Vinyl Acetate	6.07	43	1815382	260.940	ug/l	99
24) 1,1-Dichloroethane	6.03	63	293928	50.496	ug/l	97
25) 2-Butanone	7.00	43	360066	248.382	ug/l	100
26) 2,2-Dichloropropane	6.99	77	268200	50.003	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	188838	49.994	ug/l	99
28) Bromochloromethane	7.35	49	136138	54.481	ug/l	99
29) Tetrahydrofuran	7.36	42	210873	240.026	ug/l	99
30) Chloroform	7.52	83	300760	51.307	ug/l	99
31) Cyclohexane	7.79	56	287164	47.234	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	264480	50.749	ug/l	99
36) 1,1-Dichloropropene	7.93	75	236556	48.343	ug/l	99
37) Ethyl Acetate	7.08	43	139668	48.204	ug/l	99
38) Carbon Tetrachloride	7.91	117	228795	48.291	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	308451	48.162	ug/l	97
40) Benzene	8.17	78	702630	49.687	ug/l	99
41) Methacrylonitrile	7.33	41	64592m	46.834	ug/l	
42) 1,2-Dichloroethane	8.25	62	199299	49.339	ug/l	99
43) Isopropyl Acetate	8.28	43	272510	49.464	ug/l	98
44) Trichloroethene	8.94	130	187821	47.337	ug/l	100
45) 1,2-Dichloropropane	9.22	63	175418	50.549	ug/l	93
46) Dibromomethane	9.31	93	94787	48.861	ug/l	96
47) Bromodichloromethane	9.50	83	234513	51.295	ug/l	99
48) Methyl methacrylate	9.30	41	121923	50.498	ug/l	98
49) 1,4-Dioxane	9.31	88	26415	908.135	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	740747	260.689	ug/l	100
52) Toluene	10.25	92	448444	49.949	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	251723	51.375	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	289991	52.116	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	143558	50.896	ug/l	99
56) Ethyl methacrylate	10.51	69	216268	53.793	ug/l	99
57) 1,3-Dichloropropane	10.80	76	248620	51.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	556706	347.159	ug/l	98
59) 2-Hexanone	10.83	43	557965	279.753	ug/l	100
60) Dibromochloromethane	10.99	129	163272	52.225	ug/l	97
61) 1,2-Dibromoethane	11.09	107	135238	49.935	ug/l	100
64) Tetrachloroethene	10.72	164	197907	45.707	ug/l	97
65) Chlorobenzene	11.52	112	470551	49.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	165920	49.208	ug/l	98
67) Ethyl Benzene	11.60	91	875136	49.182	ug/l	99
68) m/p-Xylenes	11.70	106	666739	98.017	ug/l	98
69) o-Xylene	12.03	106	315457	48.613	ug/l	97
70) Styrene	12.05	104	549996	50.256	ug/l	100
71) Bromoform	12.21	173	98903	51.025	ug/l #	99
73) Isopropylbenzene	12.33	105	869189	48.384	ug/l	100
74) N-amyl acetate	12.14	43	257671	58.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	165939	49.198	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	138847m	49.010	ug/l	
77) Bromobenzene	12.61	156	190368	47.622	ug/l	99
78) n-propylbenzene	12.67	91	1057918	49.048	ug/l	99
79) 2-Chlorotoluene	12.76	91	586629	49.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	729447	48.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	62167	48.012	ug/l	98
82) 4-Chlorotoluene	12.86	91	611753	48.586	ug/l	99
83) tert-Butylbenzene	13.08	119	613497	48.093	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	726658	48.877	ug/l	99
85) sec-Butylbenzene	13.25	105	893088	48.396	ug/l	100
86) p-Isopropyltoluene	13.37	119	795423	49.441	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	380671	48.332	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	381105	48.411	ug/l	99
89) n-Butylbenzene	13.70	91	794855	49.996	ug/l	99
90) Hexachloroethane	13.96	117	148294	49.778	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	350886	49.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	30904	48.310	ug/l	96

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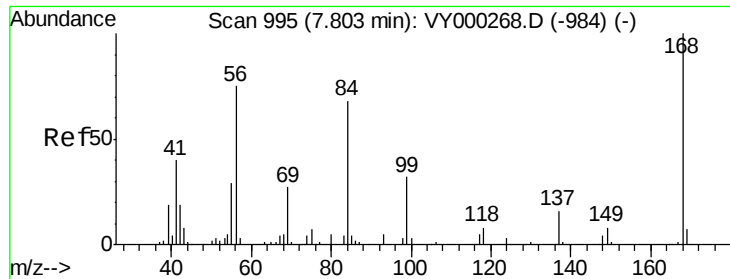
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	237364	47.830	ug/l	99
94) Hexachlorobutadiene	15.11	225	121776	45.344	ug/l	98
95) Naphthalene	15.23	128	535849	48.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	214020	47.852	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 301250

Ion Ratio Lower Upper

168 100

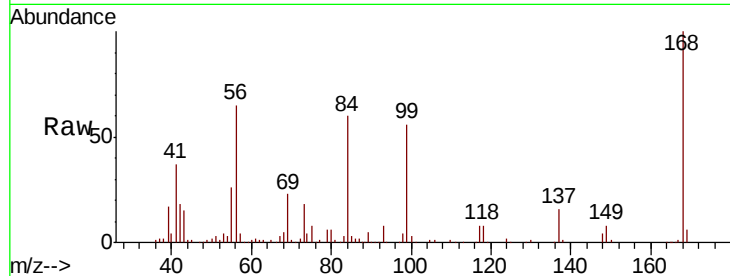
99 56.1 46.6 69.8

Manual Integrations

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10/18/2019 12:40:27 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000319.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000319.D (-946) (-)

7.80

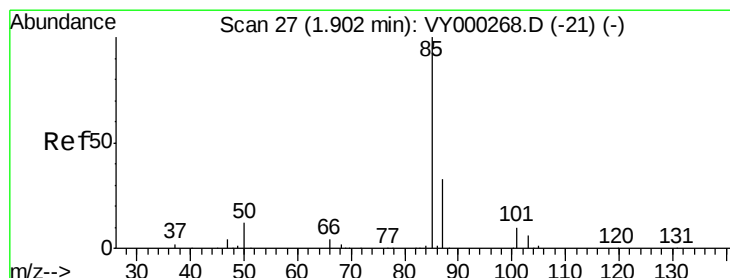
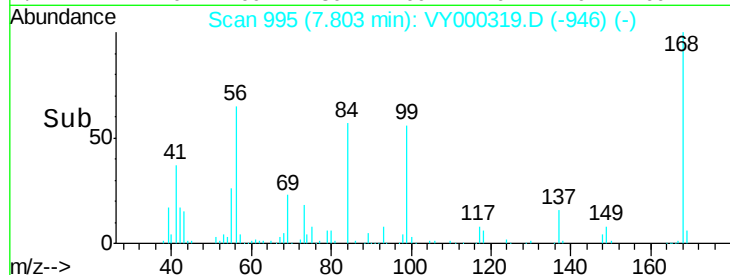
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.670 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000319.D

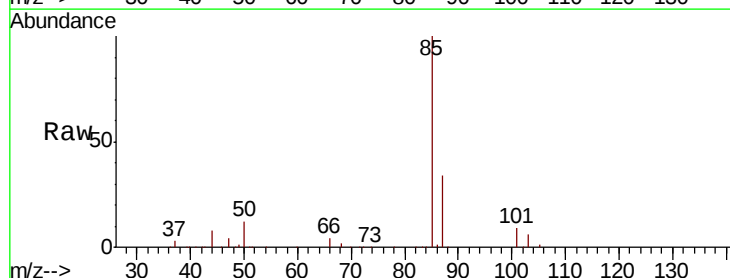
Acq: 15 Oct 2019 17:12

Tgt Ion: 85 Resp: 109568

Ion Ratio Lower Upper

85 100

87 33.5 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000319.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000319.D (-1) (-)

1.90

80000

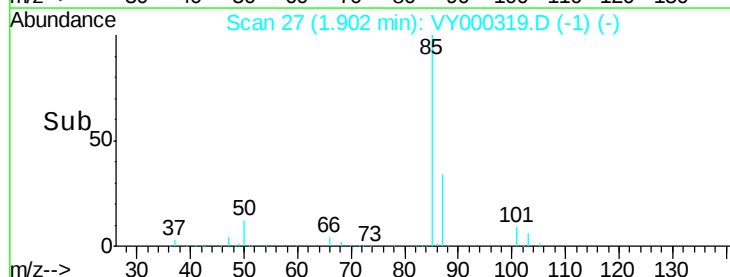
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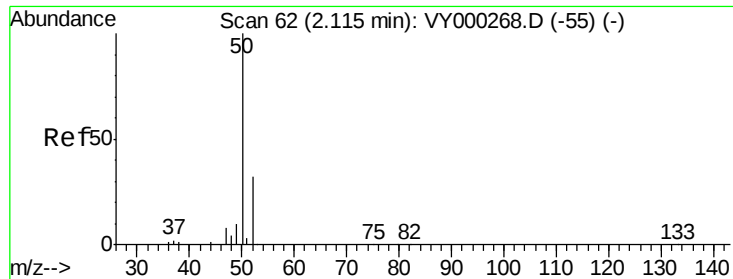
40000

20000

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Time-->





#3

Chloromethane

Concen: 41.413 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 152449

Ion Ratio Lower Upper

50 100

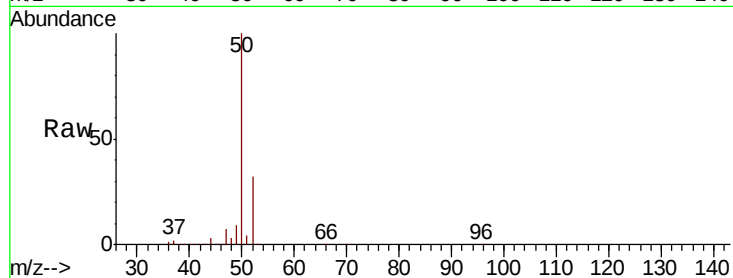
52 32.0 25.3 37.9

Manual Integrations

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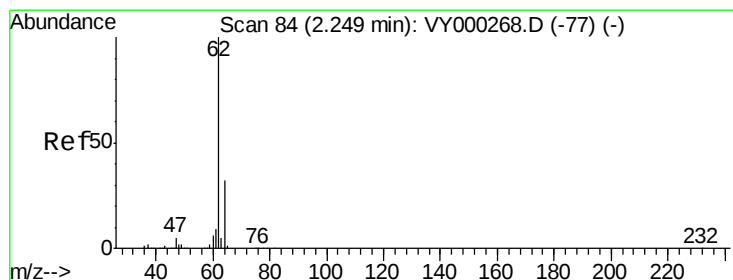
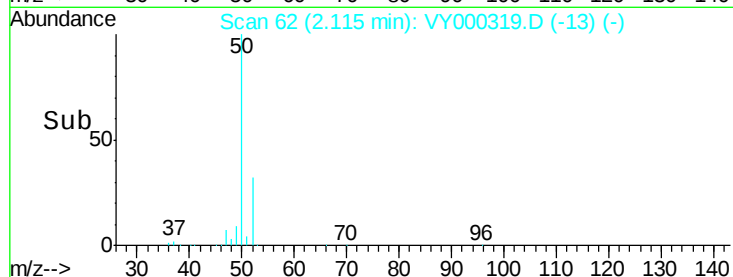
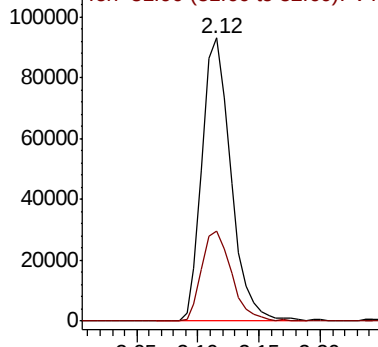
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 45.860 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000319.D

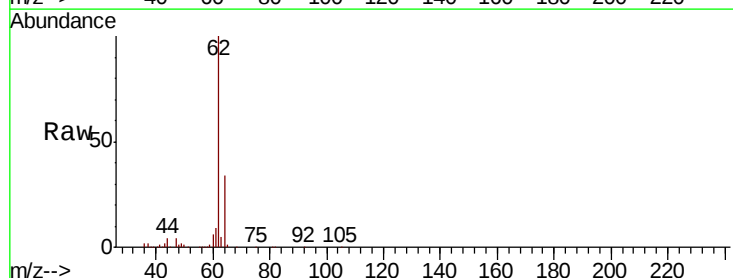
Acq: 15 Oct 2019 17:12

Tgt Ion: 62 Resp: 170374

Ion Ratio Lower Upper

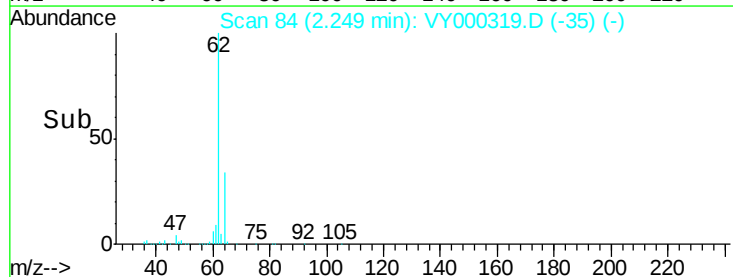
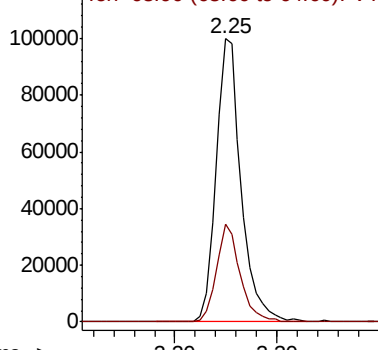
62 100

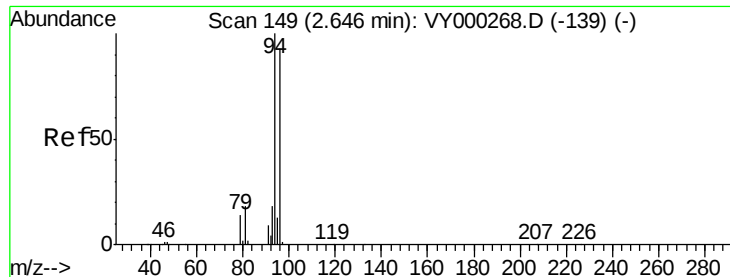
64 34.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 43.265 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 119123

Ion Ratio Lower Upper

94 100

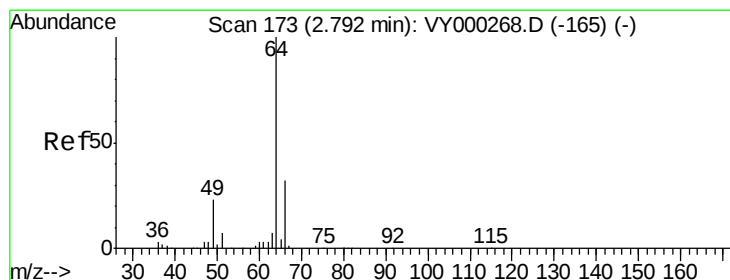
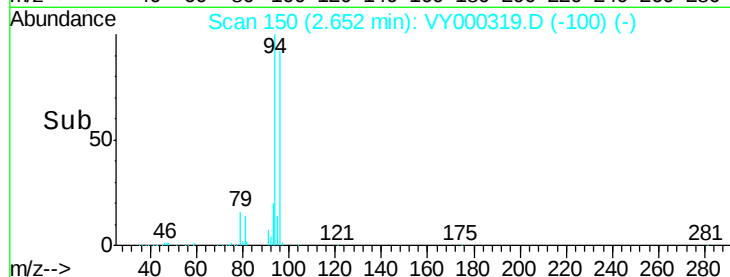
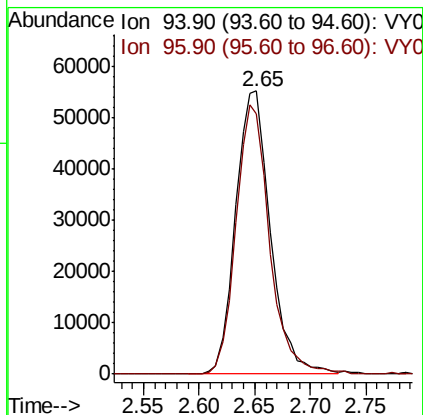
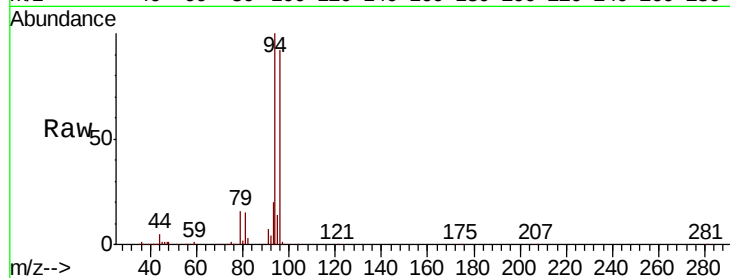
96 92.0 74.2 111.2

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#6

Chloroethane

Concen: 47.464 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000319.D

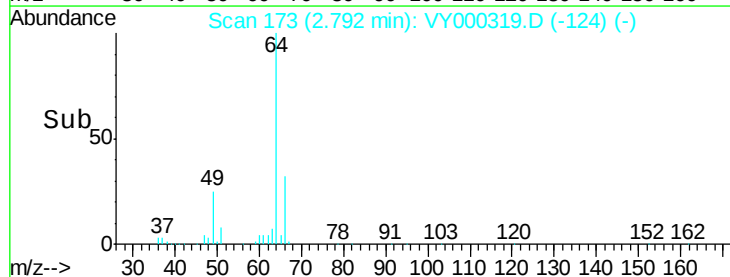
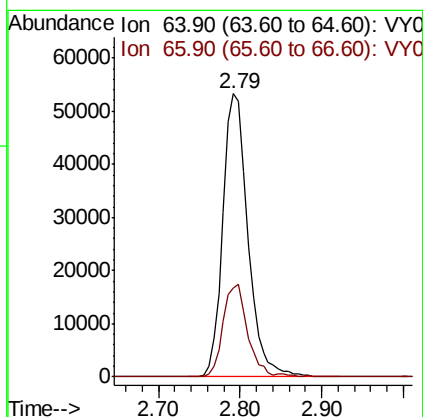
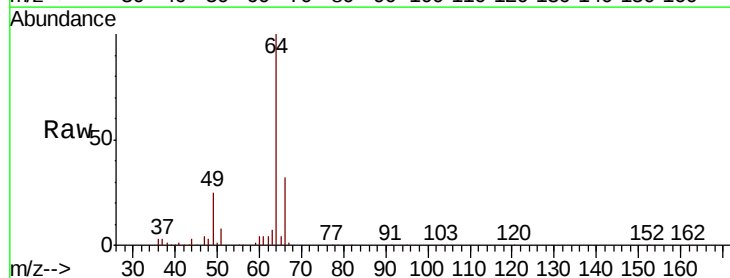
Acq: 15 Oct 2019 17:12

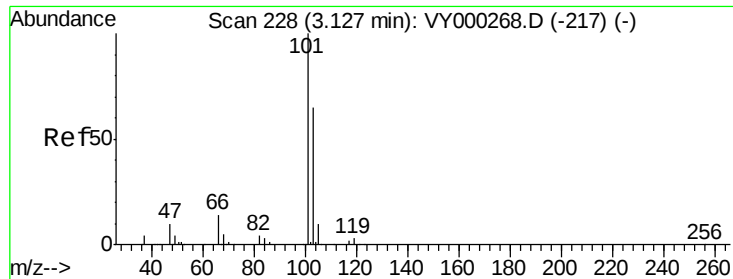
Tgt Ion: 64 Resp: 113776

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

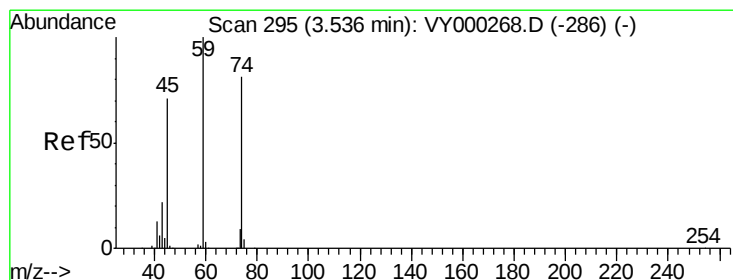
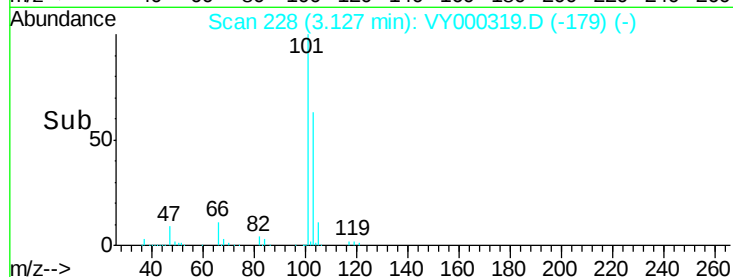
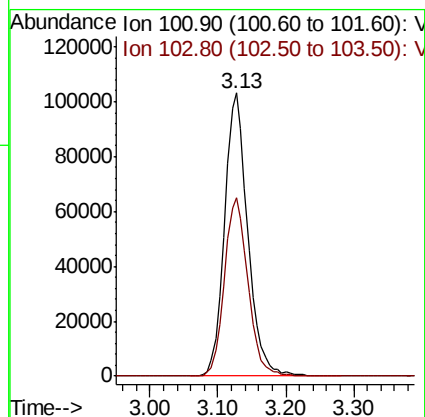
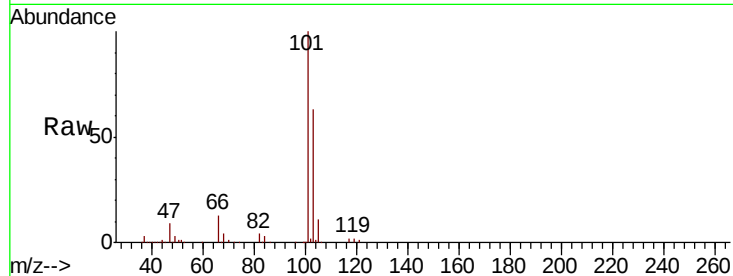
Trichlorofluoromethane
Concen: 47.892 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.4

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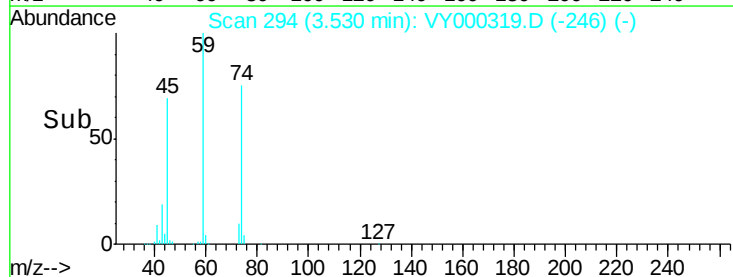
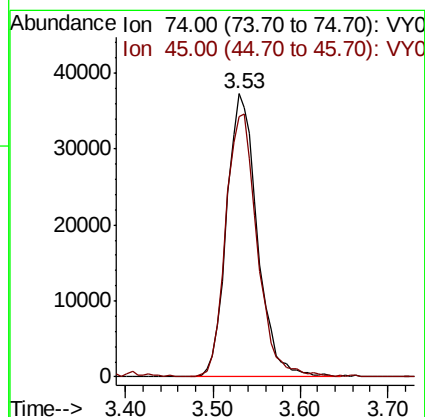
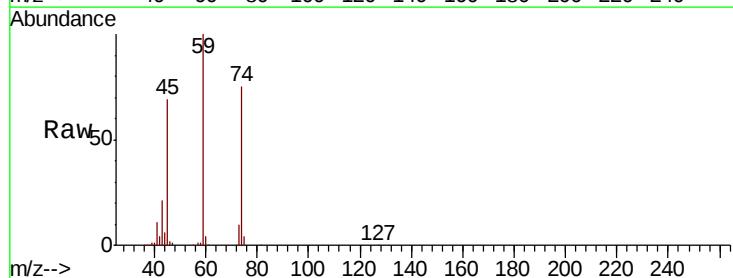
MMDadoda
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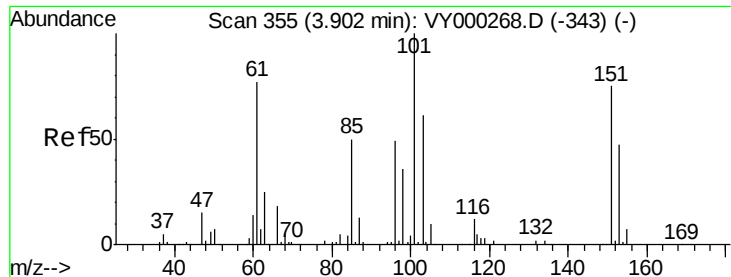


#8

Diethyl Ether
Concen: 50.656 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.419 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

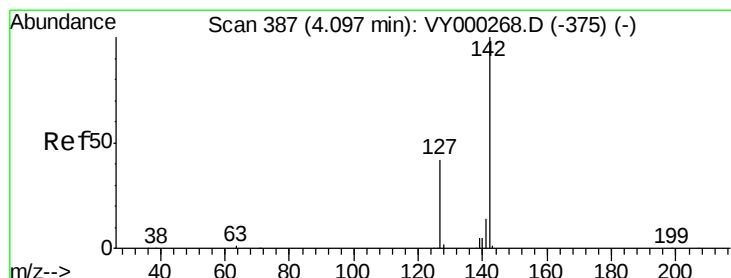
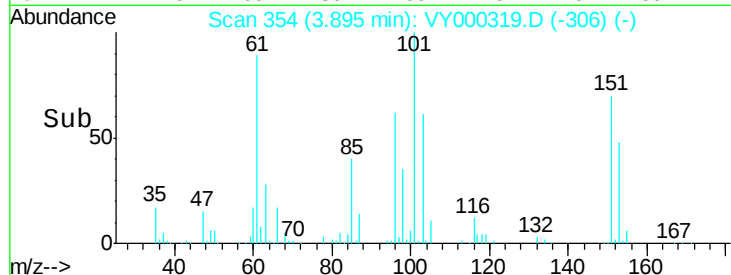
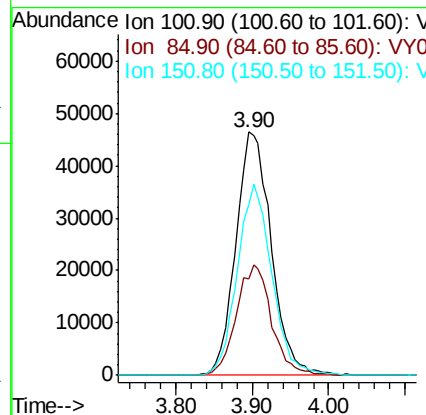
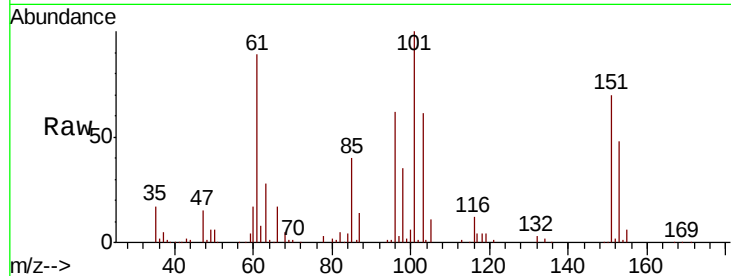
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	149225
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	55.0
151	77.0	63.1	94.7

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#10

Methyl Iodide

Concen: 46.029 ug/l

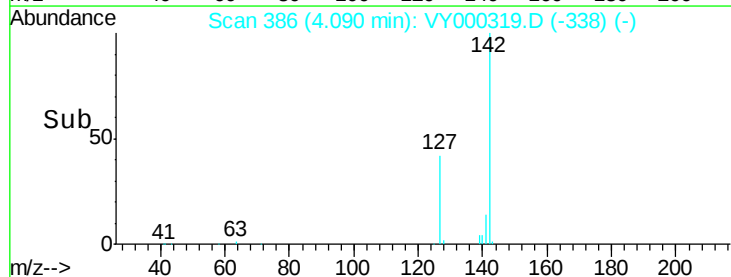
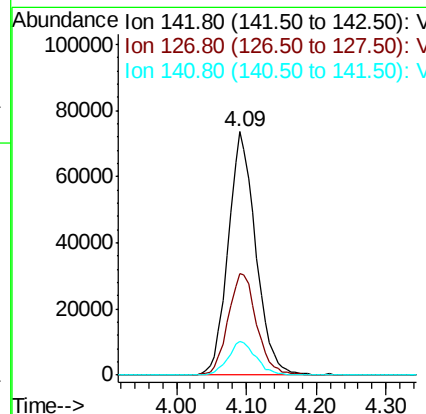
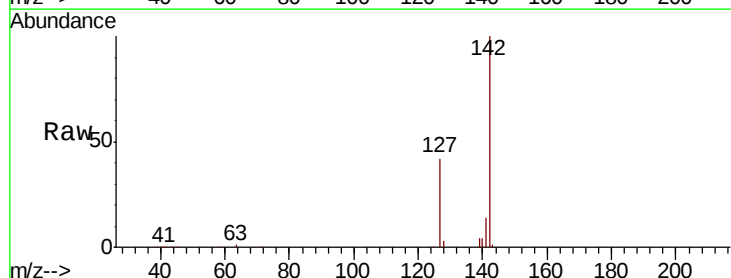
RT: 4.09 min Scan# 386

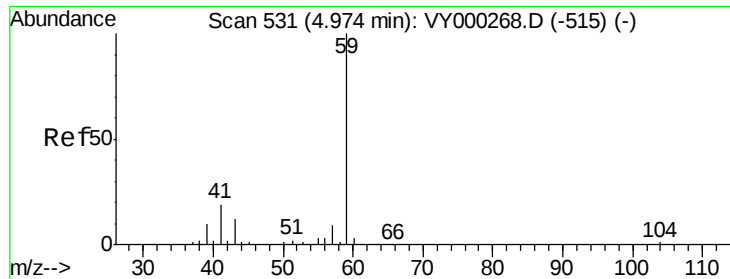
Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion:	142	Resp:	201635
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.9	50.9
141	13.9	11.2	16.8





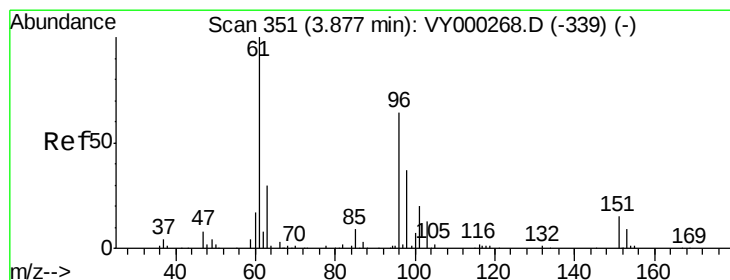
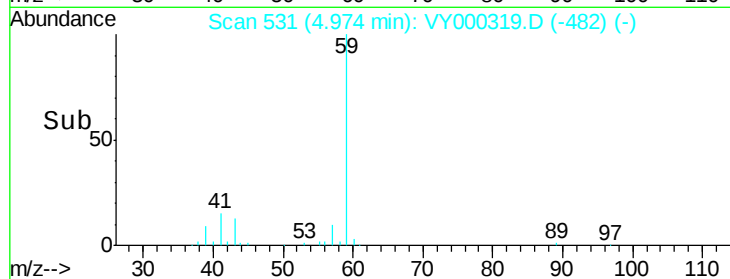
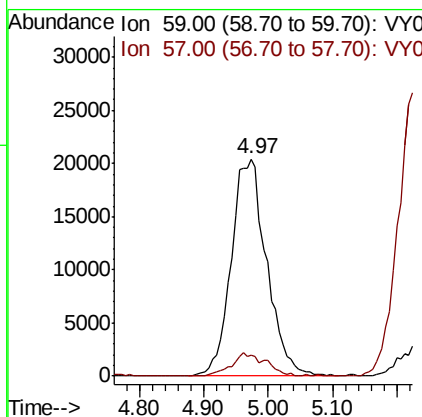
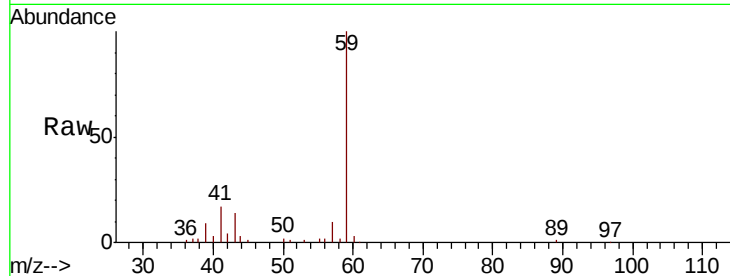
#11
Tert butyl alcohol
Concen: 233.823 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 77758
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

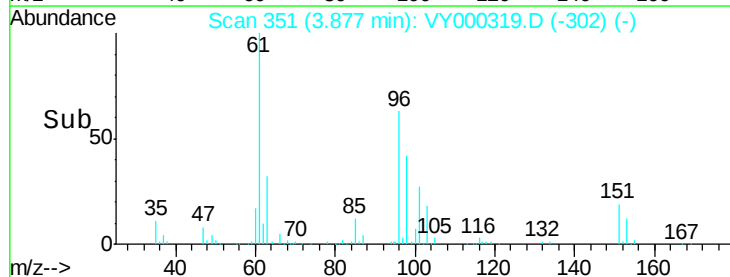
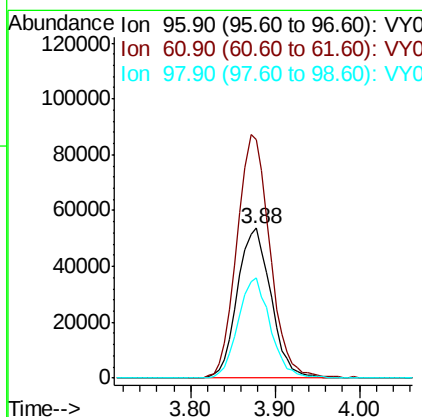
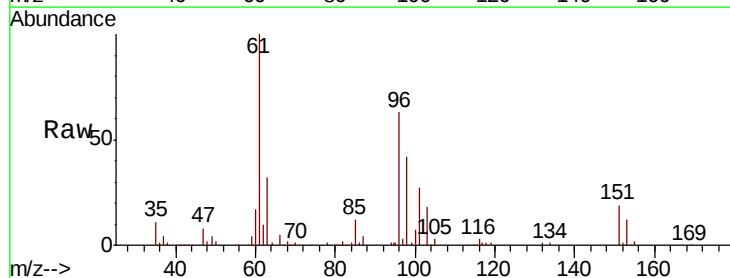
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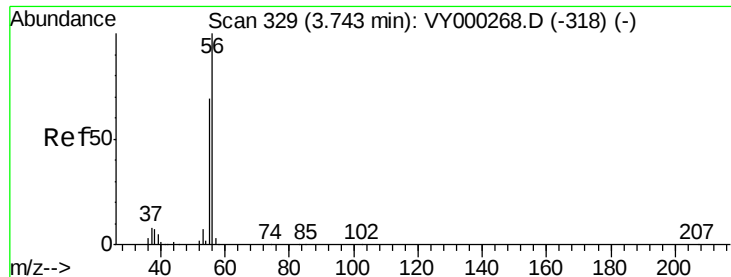
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.736 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 96 Resp: 145240
Ion Ratio Lower Upper
96 100
61 159.1 125.8 188.6
98 66.8 46.2 69.2





#13

Acrolein

Concen: 290.940 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 113432

Ion Ratio Lower Upper

56 100

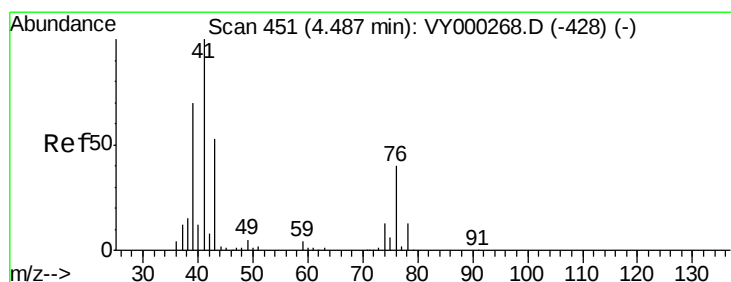
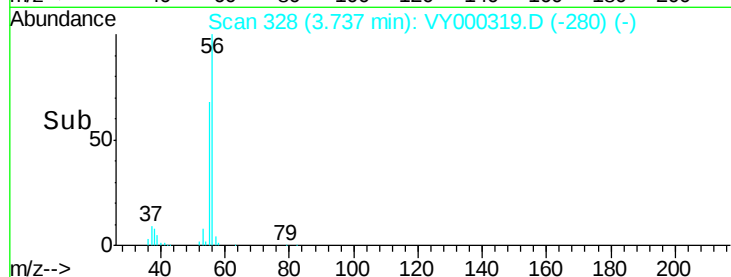
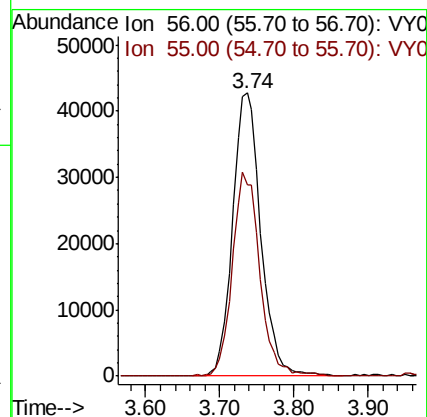
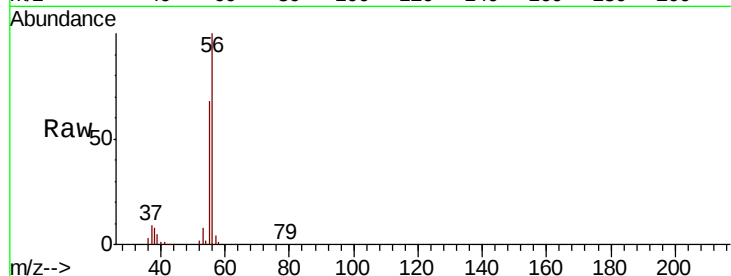
55 70.3 55.7 83.5

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#14

Allyl chloride

Concen: 50.186 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

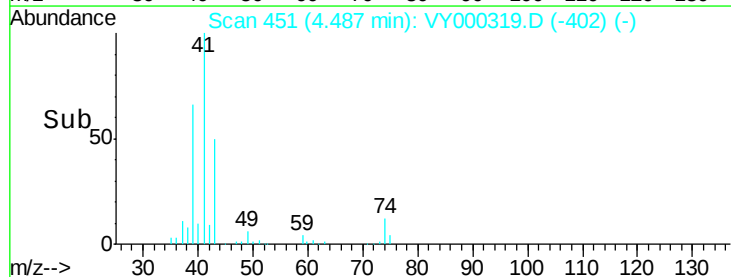
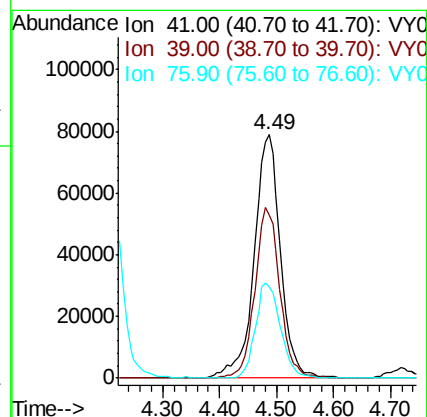
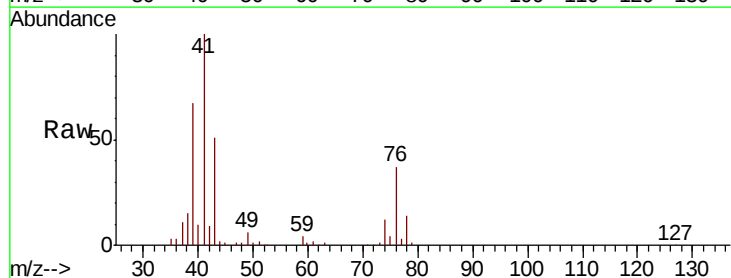
Tgt Ion: 41 Resp: 253039

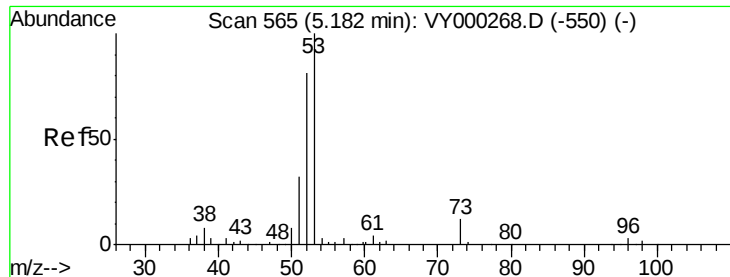
Ion Ratio Lower Upper

41 100

39 66.7 54.0 81.0

76 37.1 30.7 46.1





#15

Acrylonitrile

Concen: 243.552 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

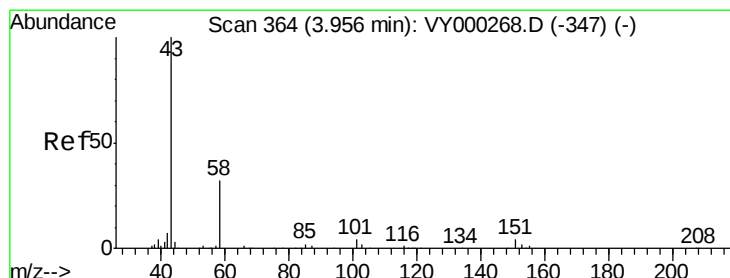
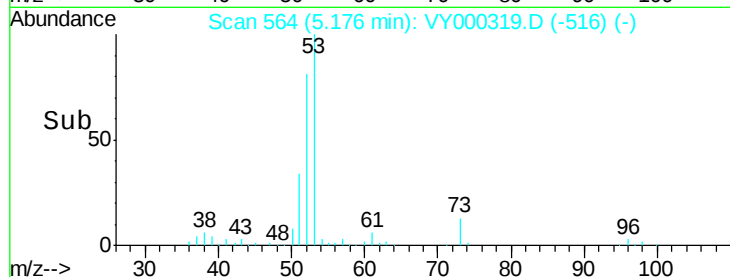
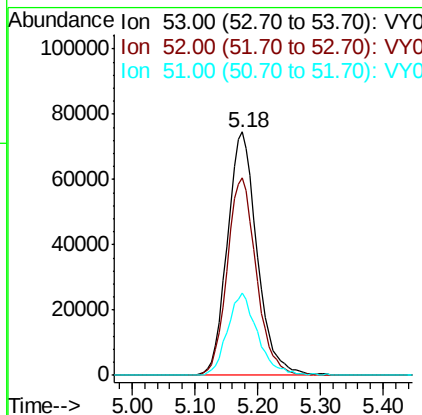
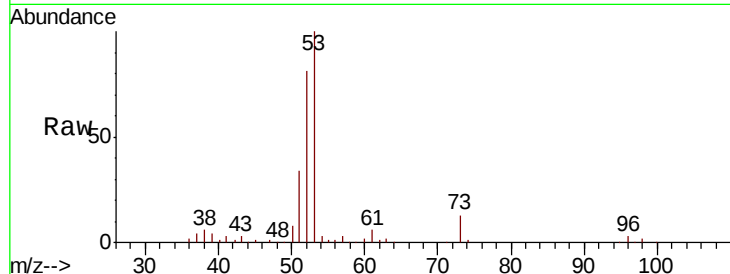
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	244732
Ion Ratio	Lower	Upper	
53	100		
52	79.6	62.9	94.3
51	34.1	26.9	40.3

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#16

Acetone

Concen: 224.494 ug/l

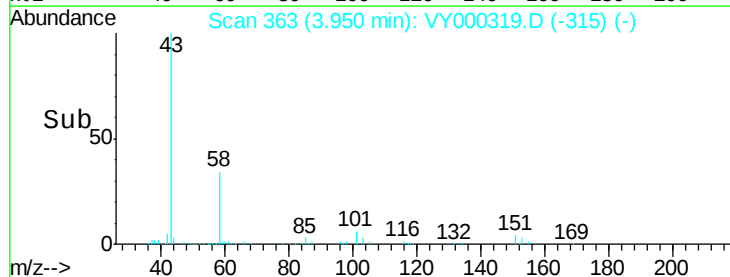
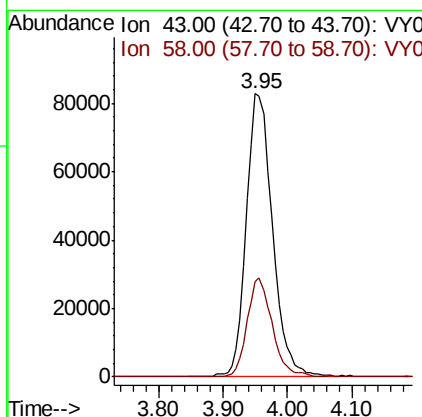
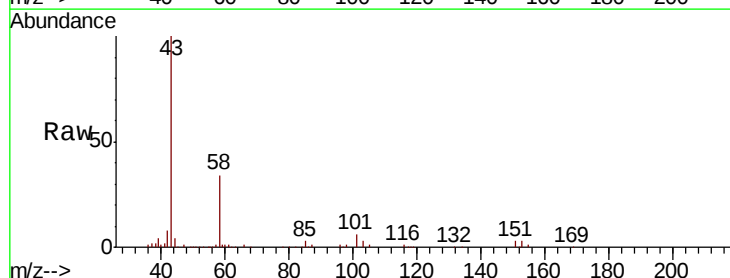
RT: 3.95 min Scan# 363

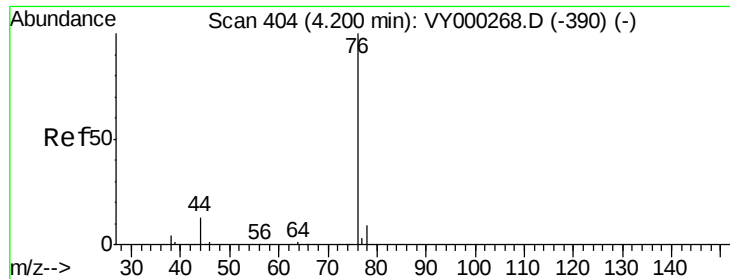
Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion:	43	Resp:	231022
Ion Ratio	Lower	Upper	
43	100		
58	33.7	25.8	38.6





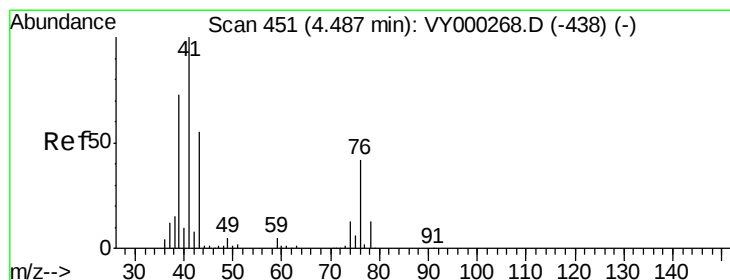
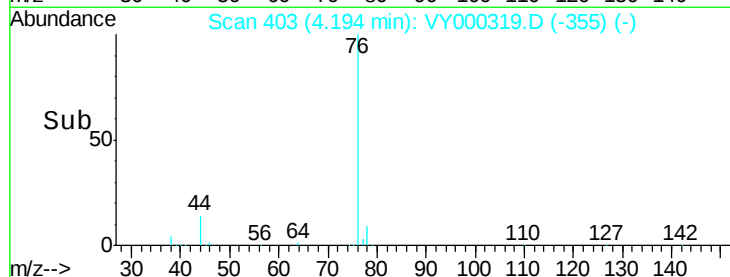
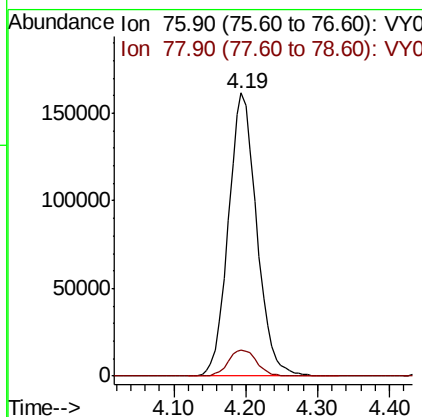
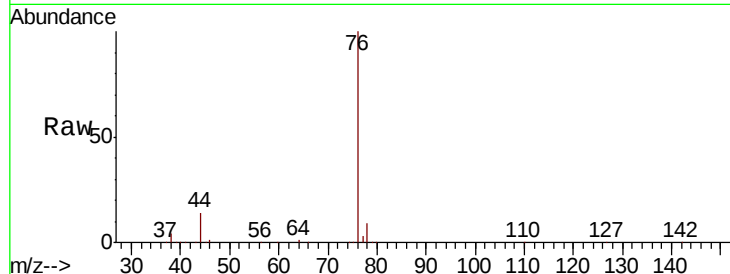
#17
Carbon Disulfide
Concen: 46.080 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

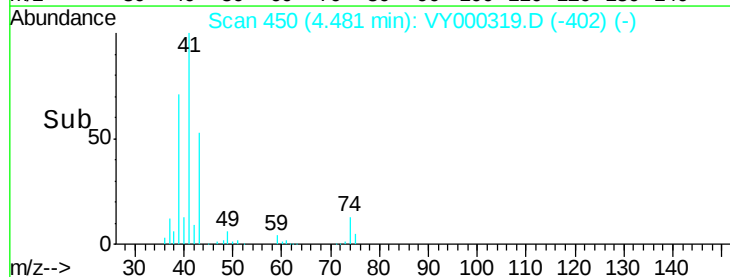
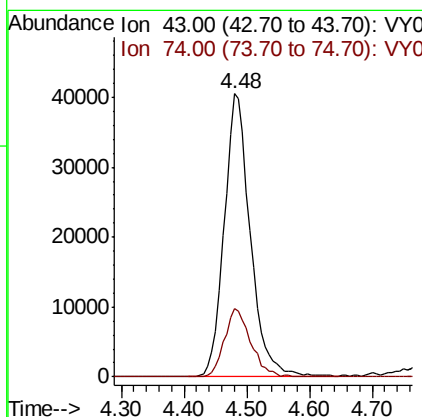
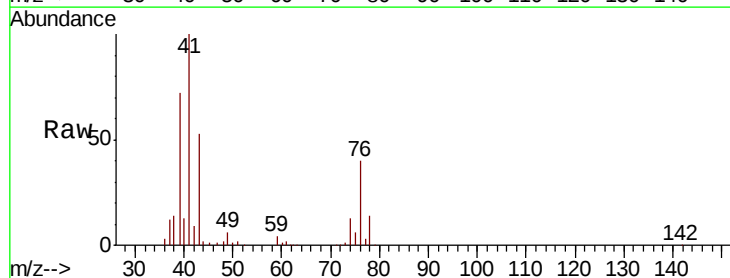
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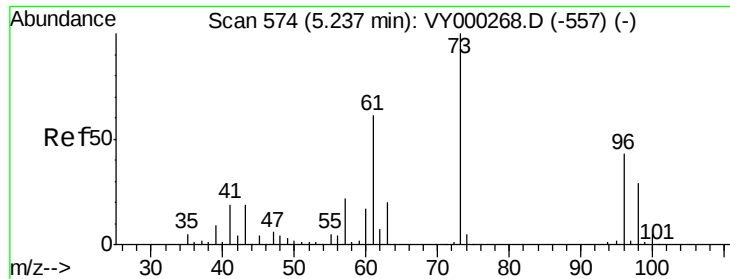
MMDadoda
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#18
Methyl Acetate
Concen: 45.600 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.4	30.6





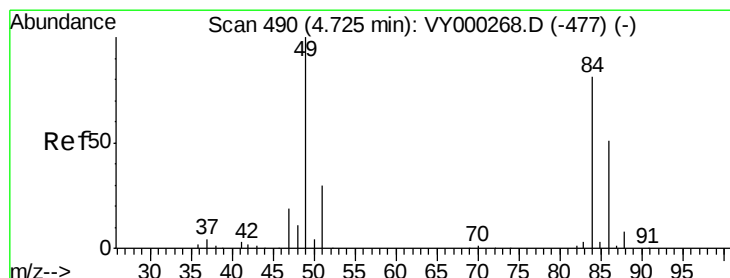
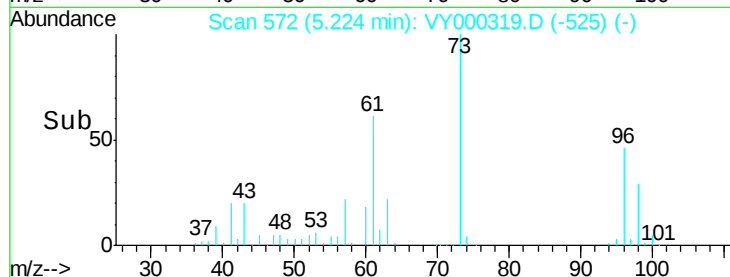
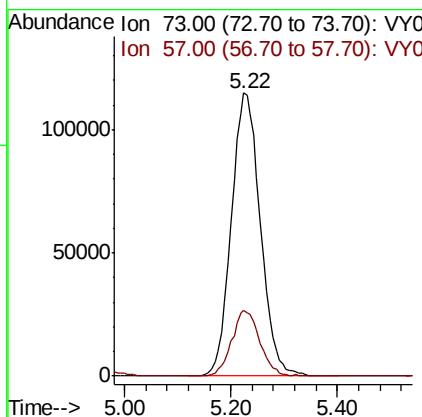
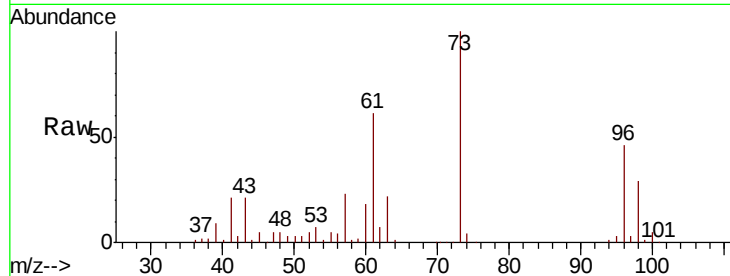
#19
Methvl tert-butvl Ether
Concen: 51.350 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 434924
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.0

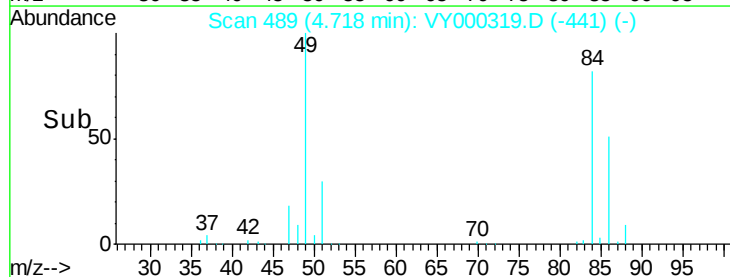
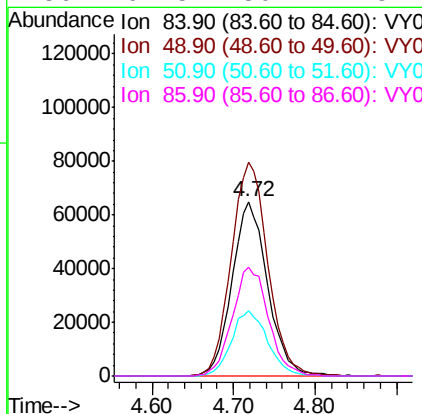
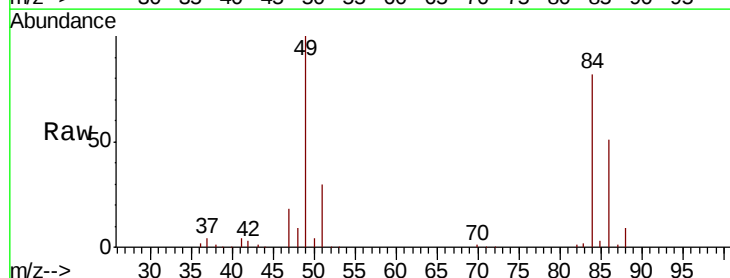
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#20
Methylene Chloride
Concen: 57.088 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 84 Resp: 195270
Ion Ratio Lower Upper
84 100
49 122.2 99.0 148.4
51 37.2 29.3 43.9
86 62.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.035 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 167678

Ion Ratio Lower Upper

96 100

61 132.5 100.4 150.6

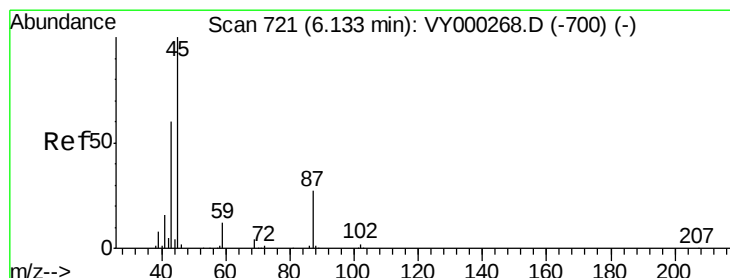
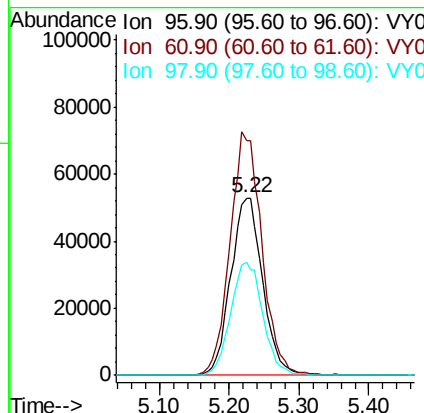
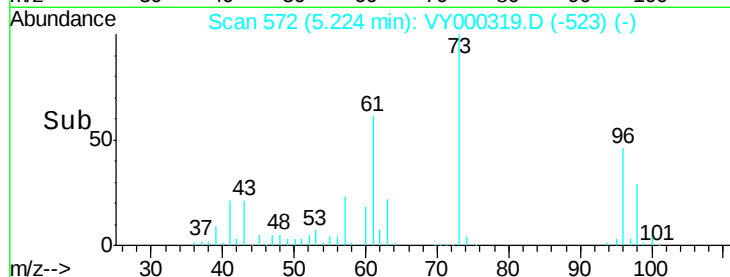
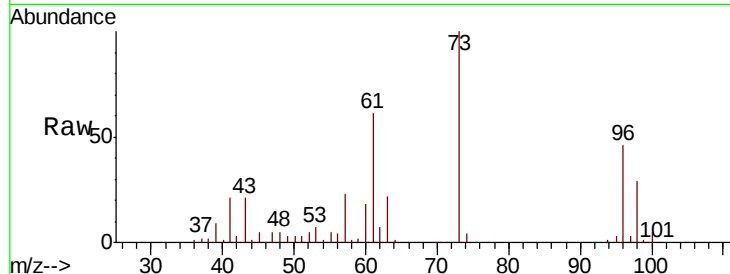
98 63.4 44.6 66.8

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#22

Diisopropyl ether

Concen: 52.748 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion: 45 Resp: 562502

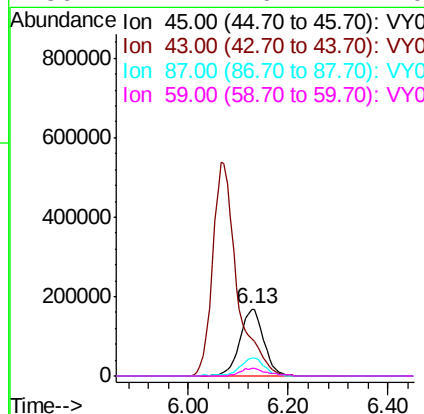
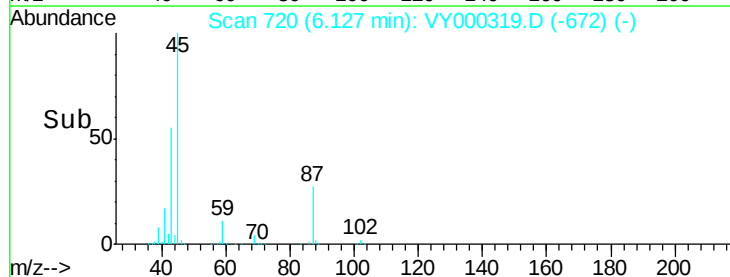
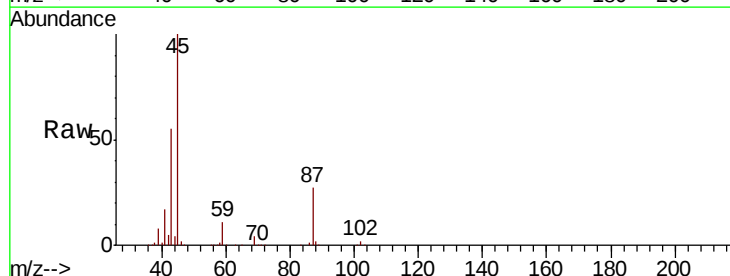
Ion Ratio Lower Upper

45 100

43 54.9 48.5 72.7

87 27.5 21.5 32.3

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 260.940 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1815382

Ion Ratio Lower Upper

43 100

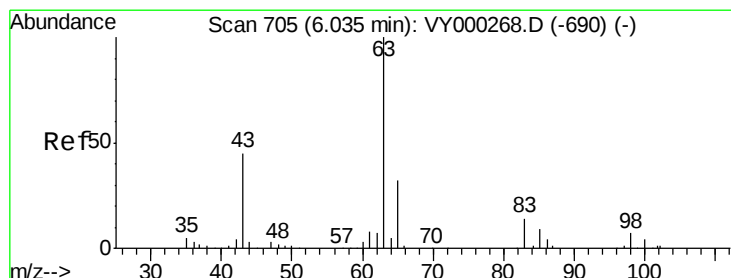
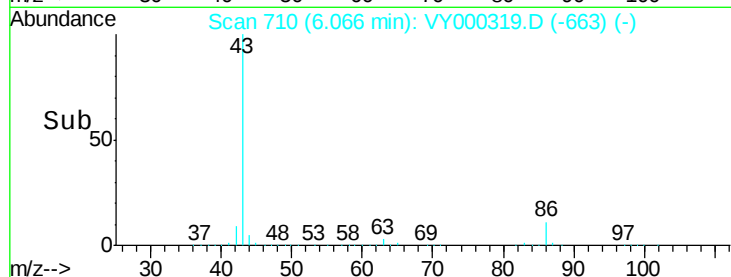
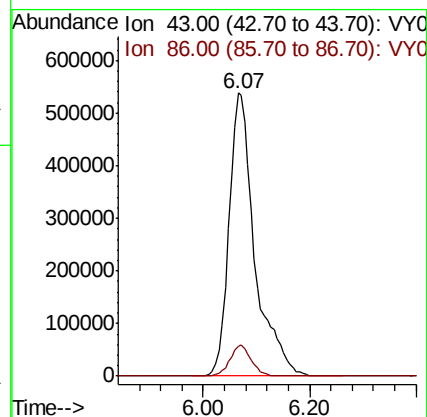
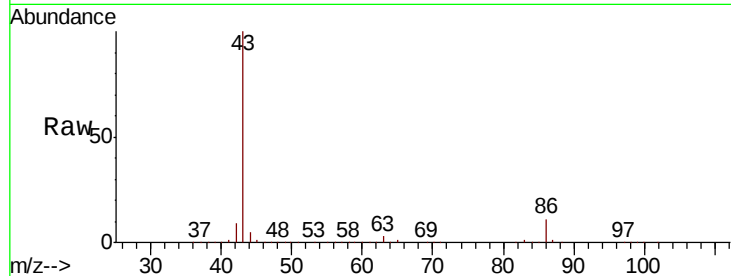
86 10.5 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.496 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

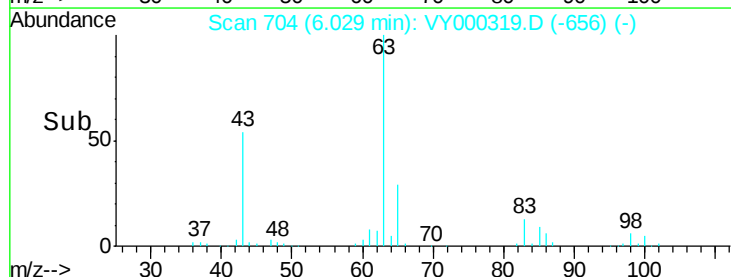
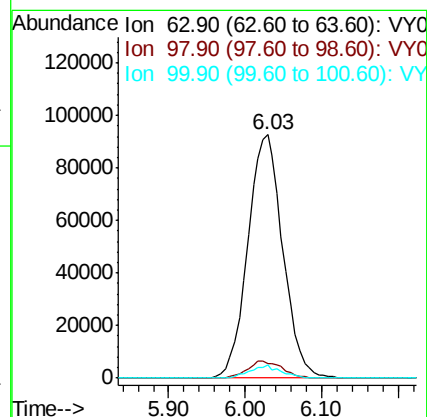
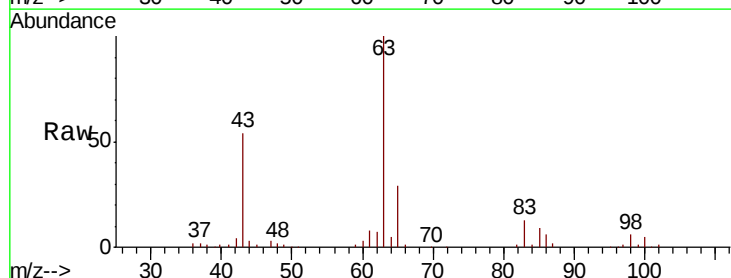
Tgt Ion: 63 Resp: 293928

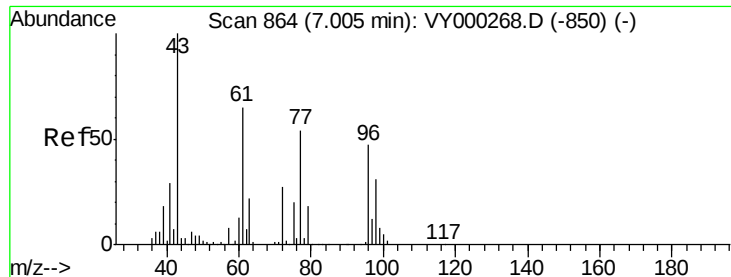
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 5.4 2.1 6.2





#25

2-Butanone

Concen: 248.382 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 360066

Ion Ratio Lower Upper

43 100

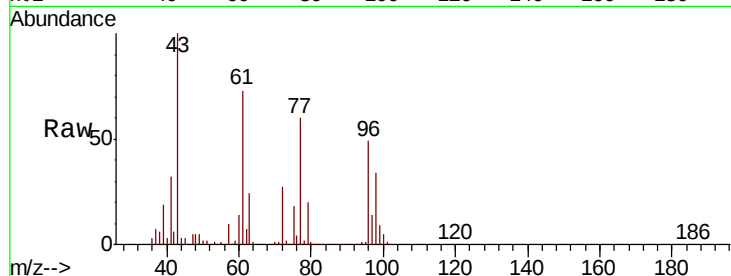
72 26.8 21.4 32.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

150000

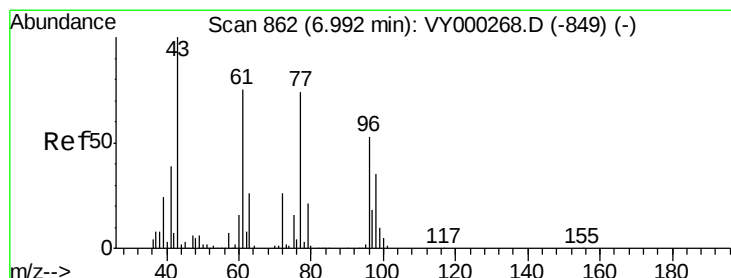
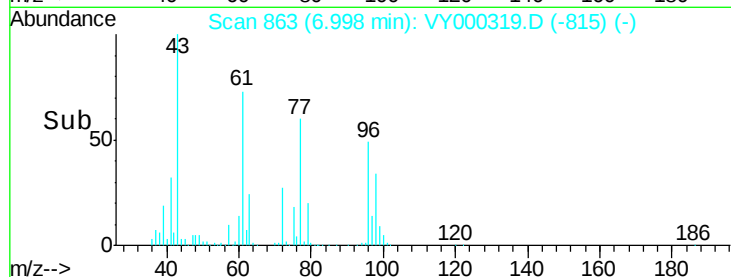
100000

50000

0

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 50.003 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000319.D

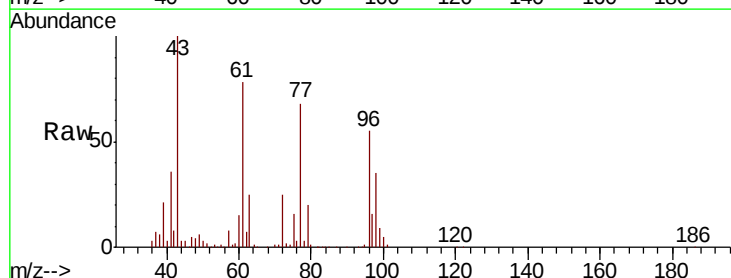
Acq: 15 Oct 2019 17:12

Tgt Ion: 77 Resp: 268200

Ion Ratio Lower Upper

77 100

97 22.8 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

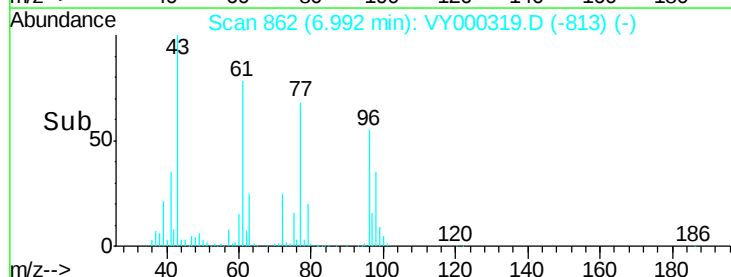
40000

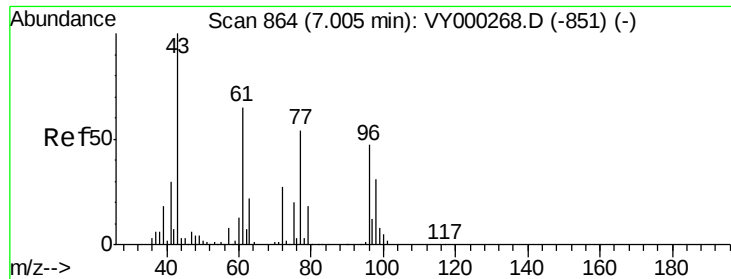
20000

0

6.80 6.90 7.00 7.10 7.20

Time-->





#27

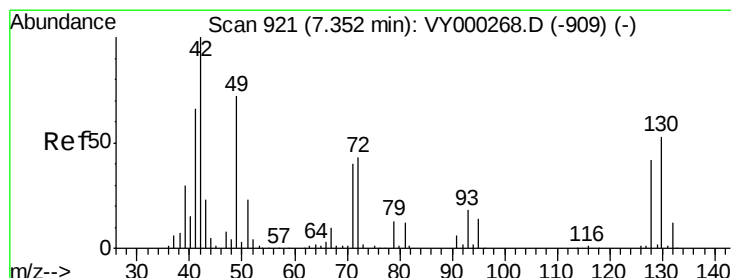
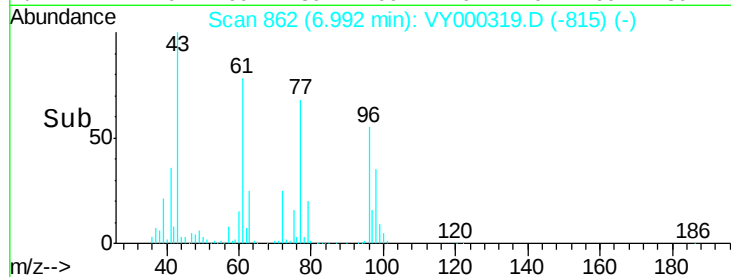
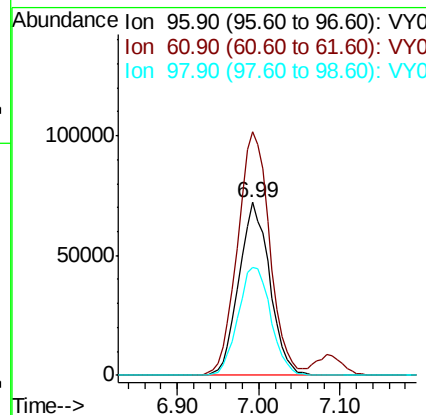
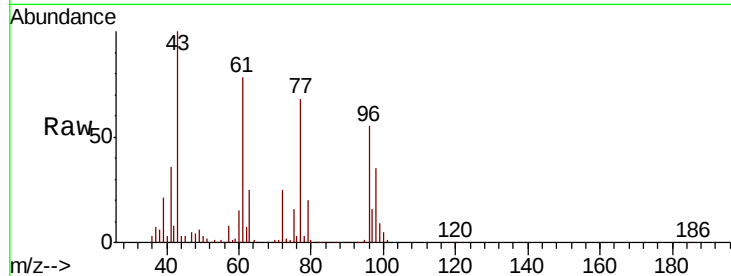
cis-1,2-Dichloroethene
Concen: 49.994 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188838		
61	146.4	0.0	289.8	
98	66.2	0.0	131.8	

Manual Integrations
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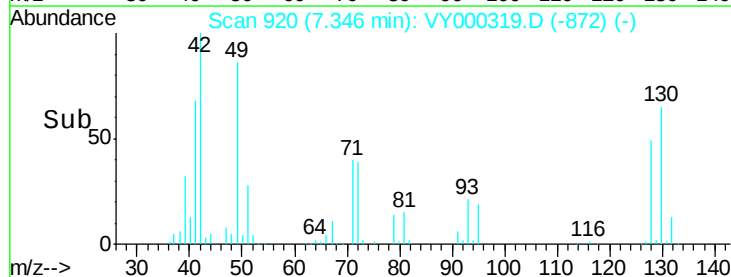
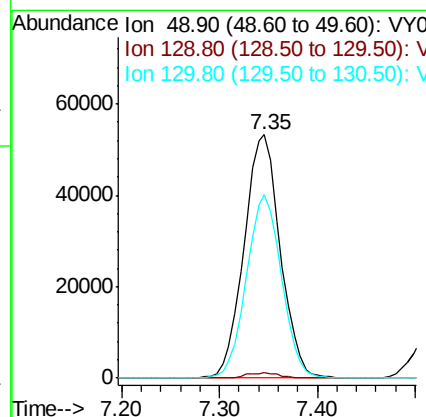
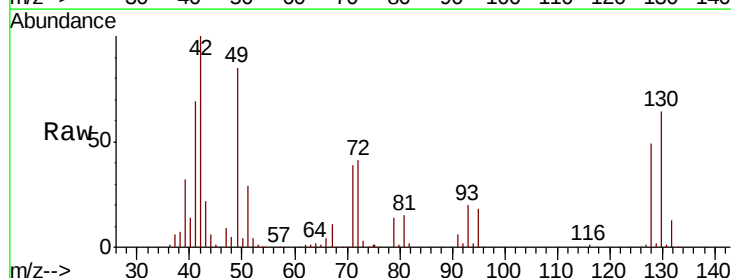
MMDadoda
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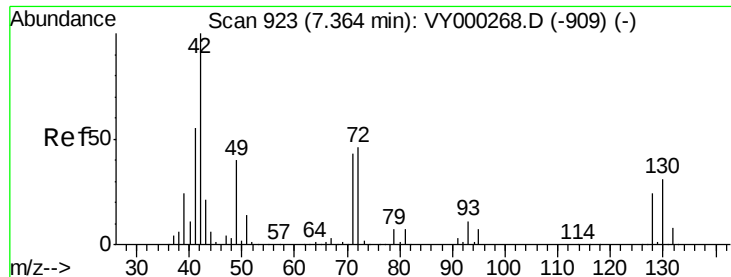


#28

Bromochloromethane
Concen: 54.481 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136138		
129	2.0	0.0	4.0	
130	73.3	58.2	87.2	





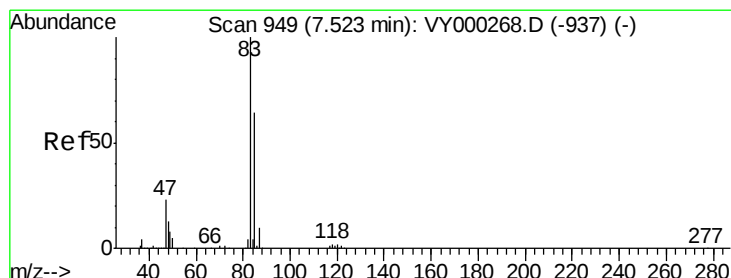
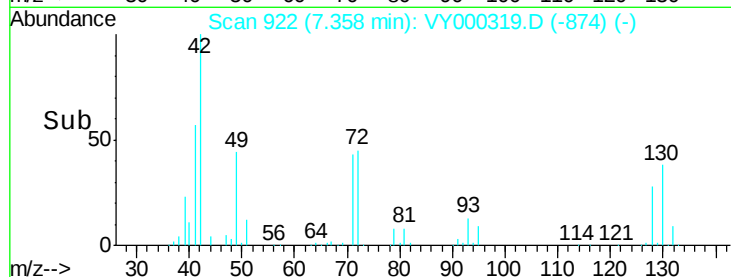
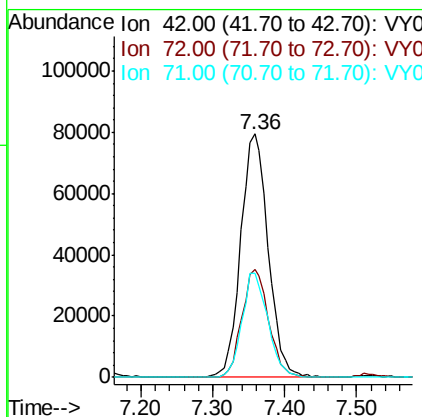
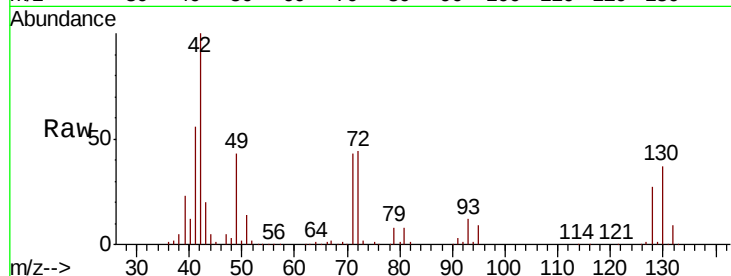
#29
Tetrahydrofuran
Concen: 240.026 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.5	51.7
71	40.2	32.7	49.1

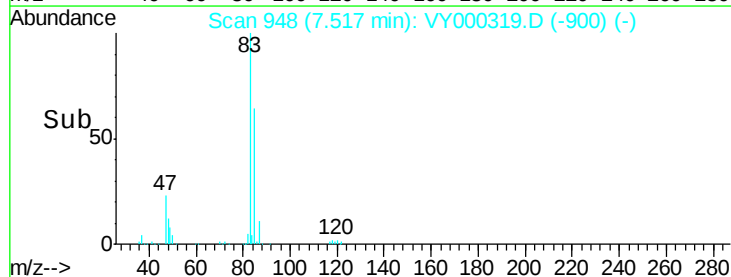
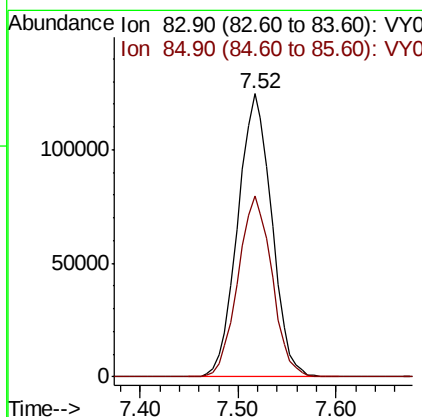
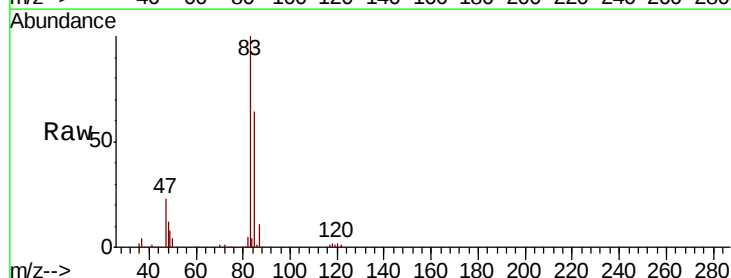
Manual Integrations
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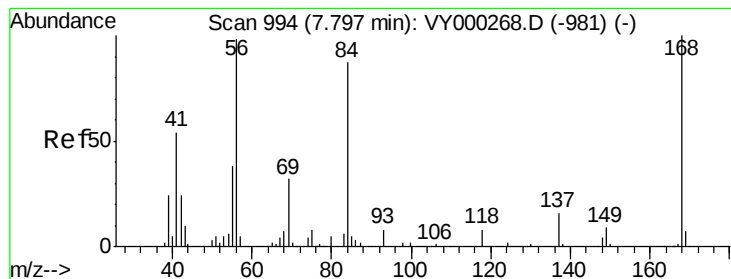
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#30
Chloroform
Concen: 51.307 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2





#31

Cyclohexane

Concen: 47.234 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

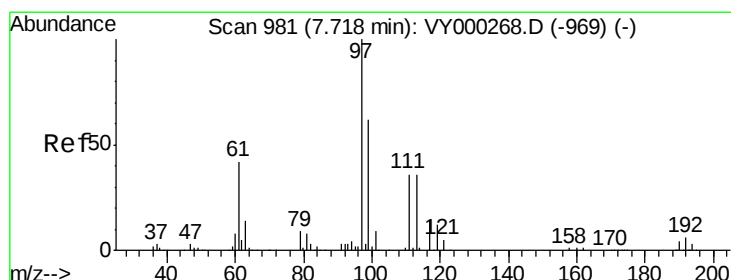
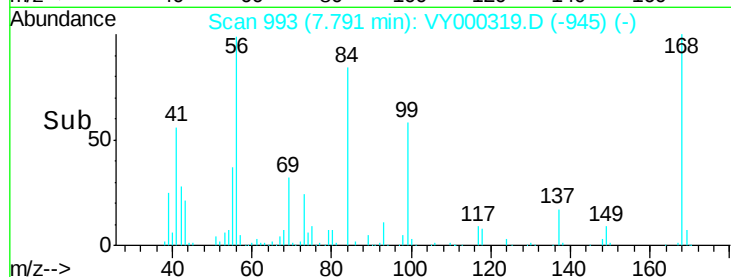
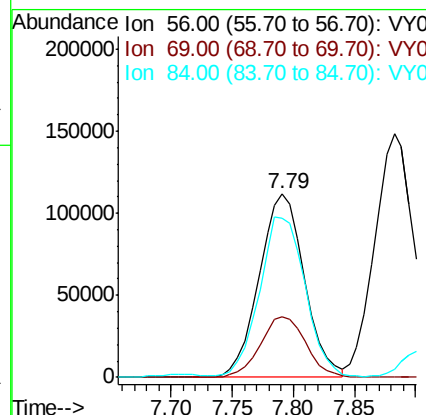
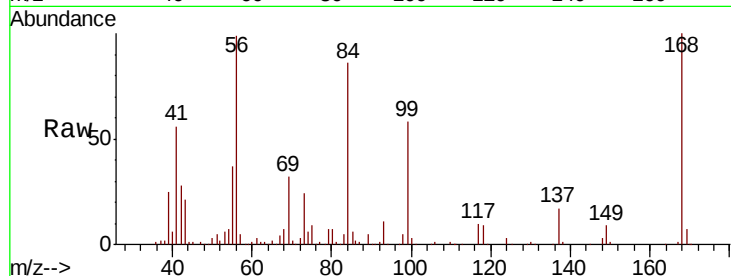
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	287164
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.3	39.5
84	85.3	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.749 ug/l

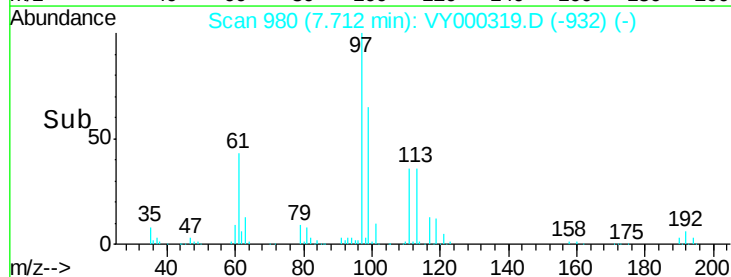
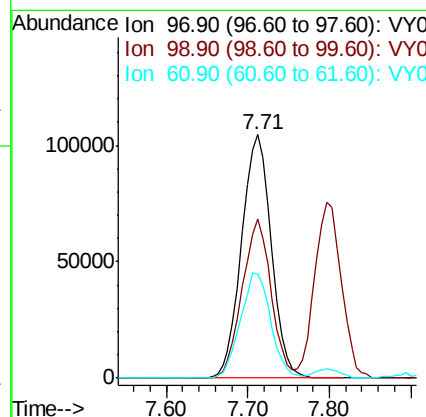
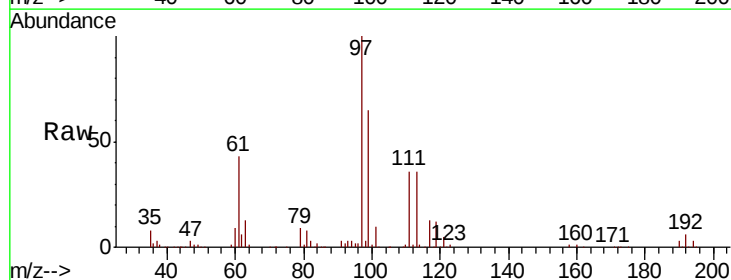
RT: 7.71 min Scan# 980

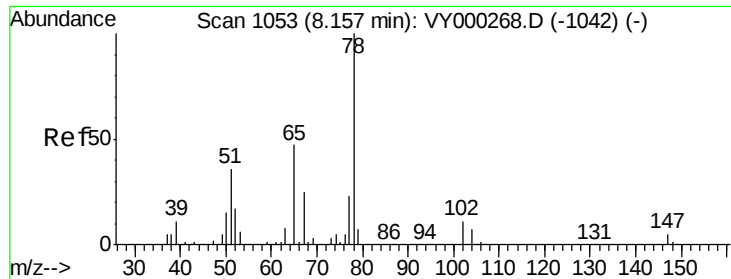
Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion:	97	Resp:	264480
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	43.9	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 52.294 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 166174

Ion Ratio Lower Upper

65 100

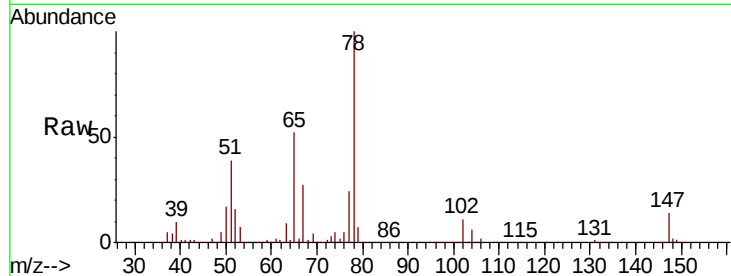
67 54.3 0.0 109.4

Manual Integrations

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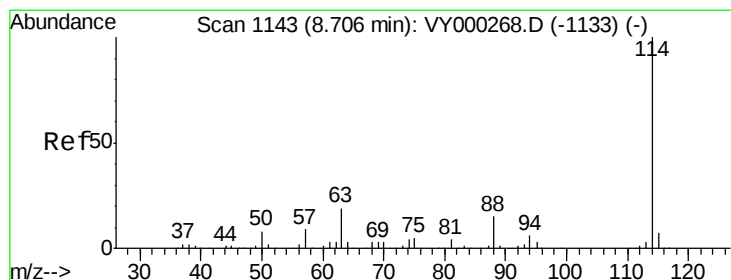
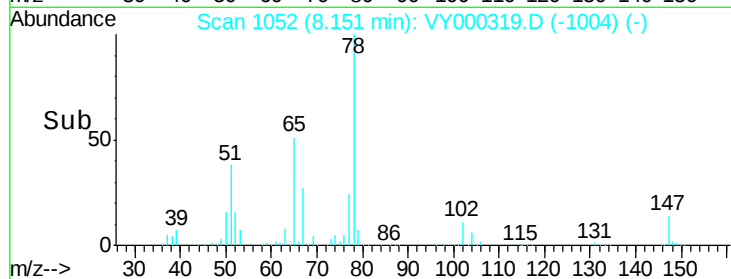
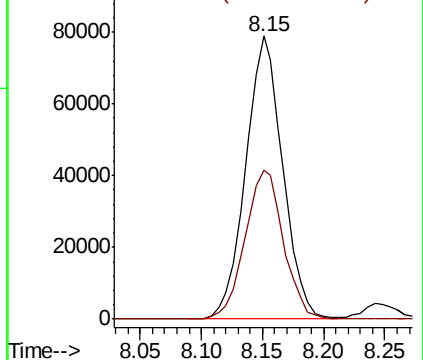
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Abundance Ion 64.90 (64.60 to 65.60): VY0

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: VY000319.D

Acq: 15 Oct 2019 17:12

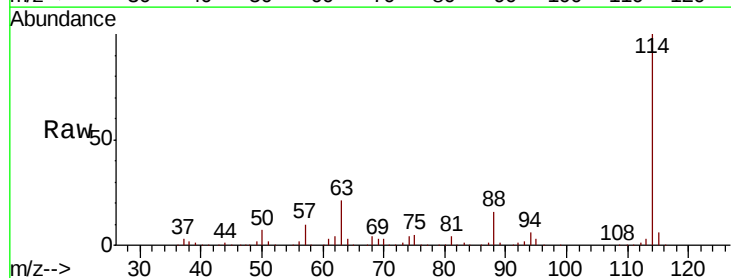
Tgt Ion: 114 Resp: 499794

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.2

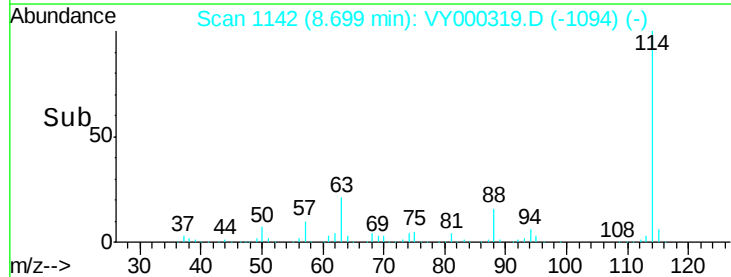
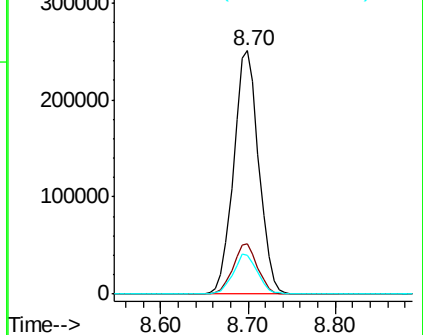
88 15.7 0.0 30.2

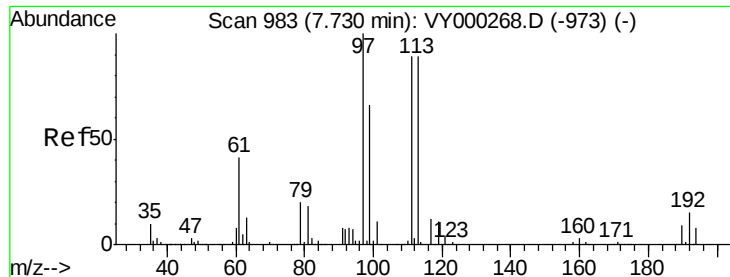


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





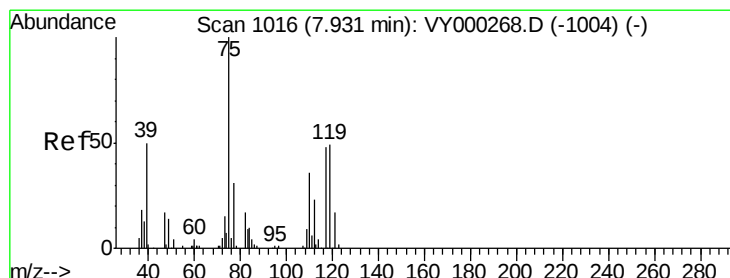
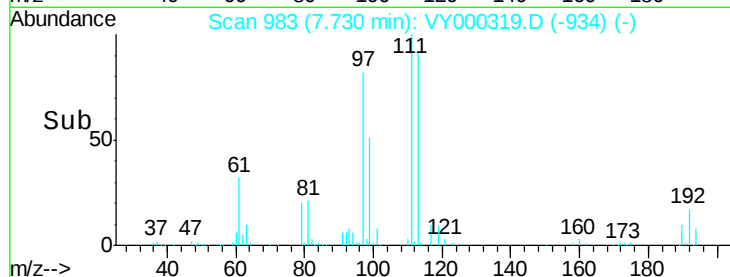
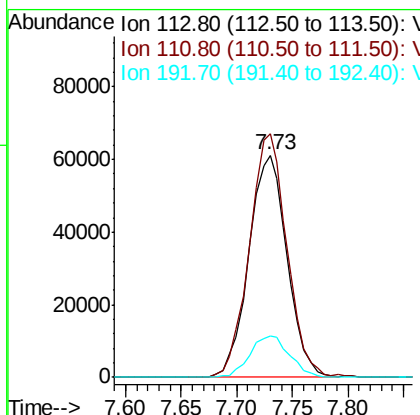
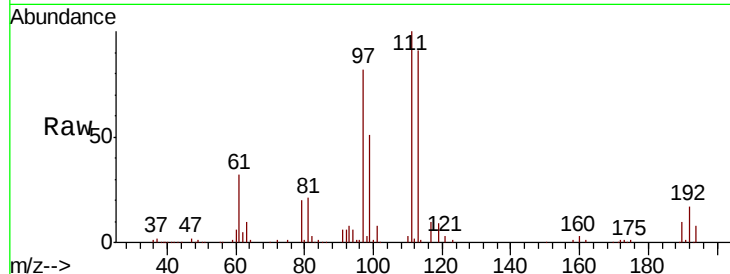
#35
Dibromofluoromethane
Concen: 48.475 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146143		
111	107.9	81.6	122.4	
192	19.3	15.3	22.9	

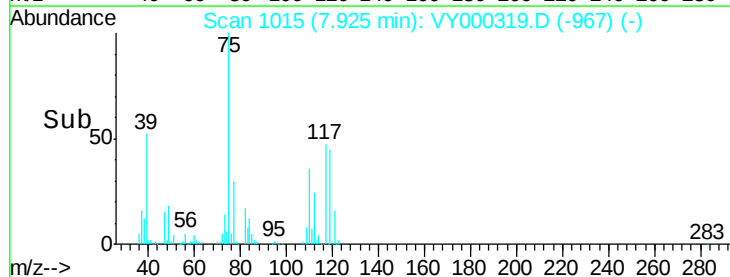
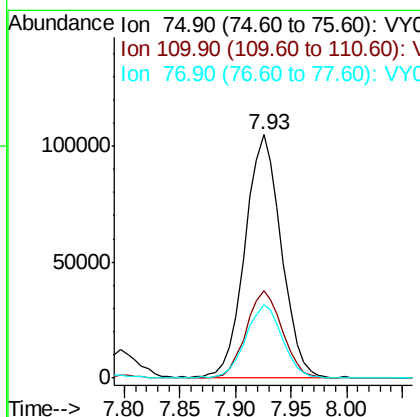
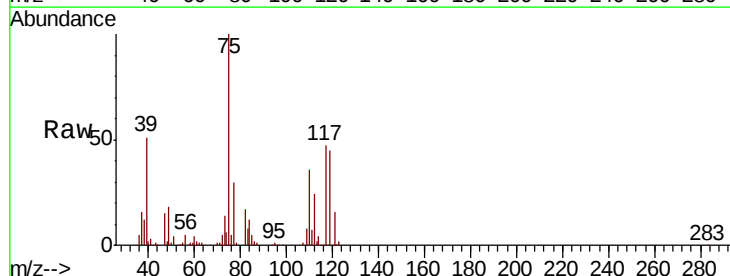
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#36
1,1-Dichloropropene
Concen: 48.343 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	236556		
110	36.1	18.4	55.4	
77	30.7	25.0	37.6	





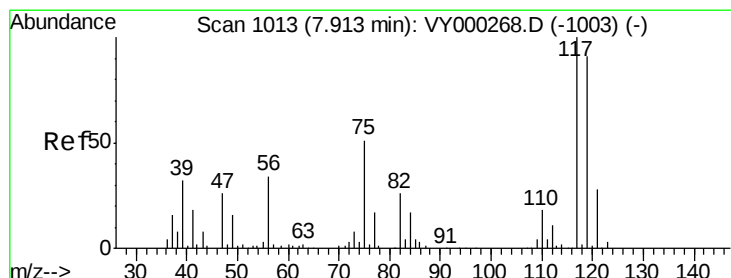
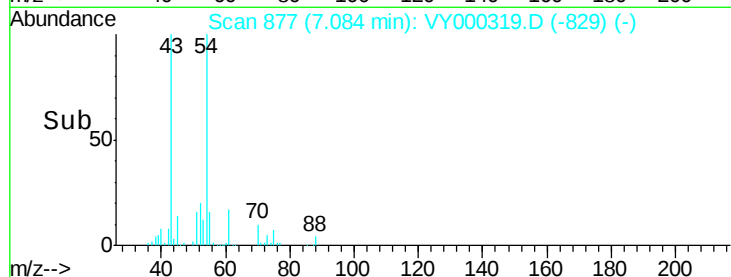
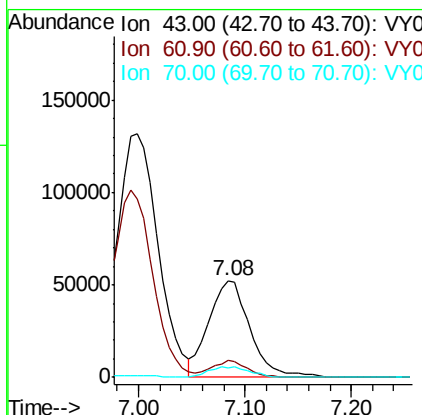
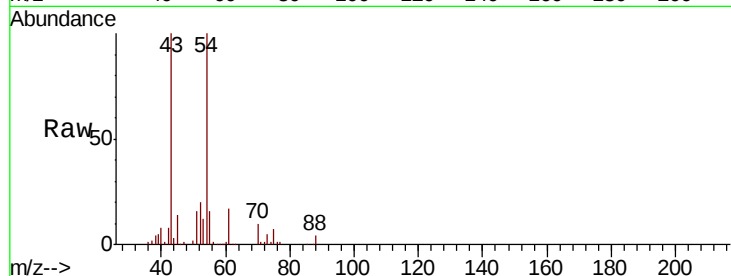
#37
Ethyl Acetate
Concen: 48.204 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.1	18.1
70	11.1	8.7	13.1

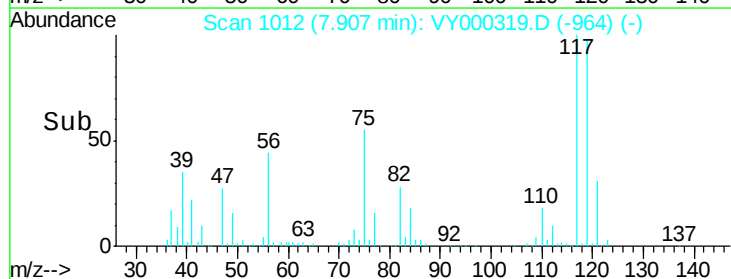
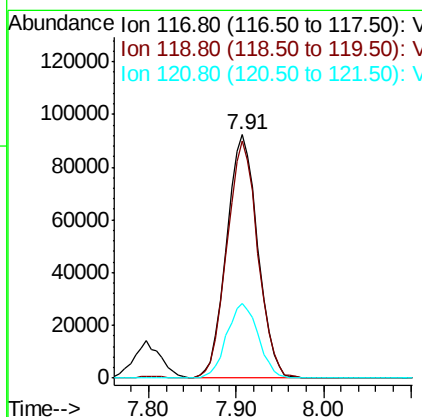
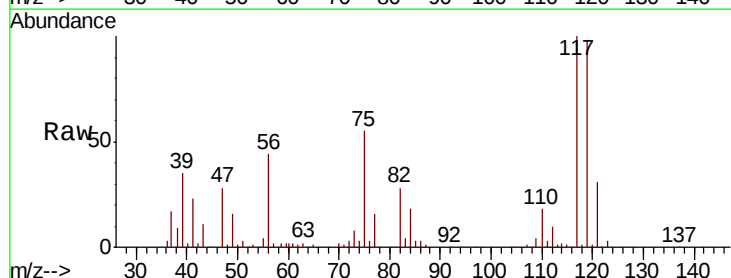
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.291 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	72.8	109.2
121	30.7	22.2	33.2





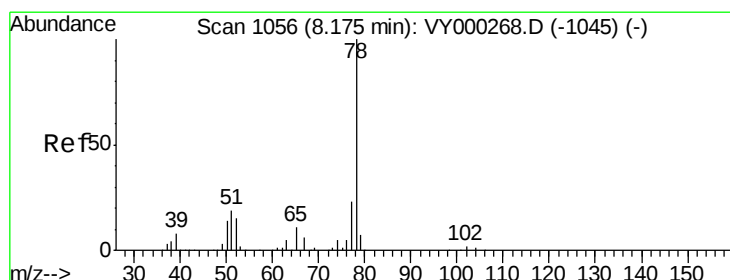
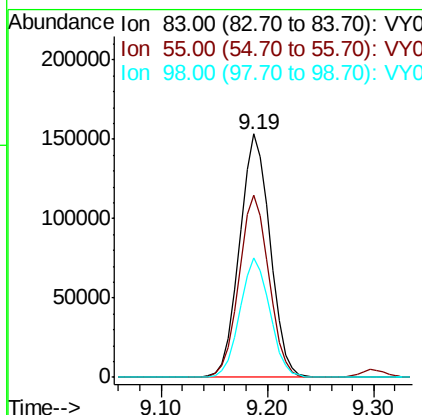
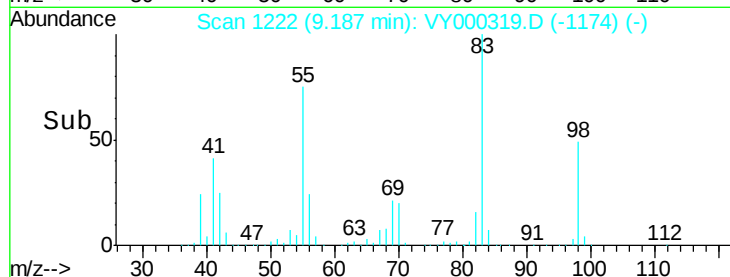
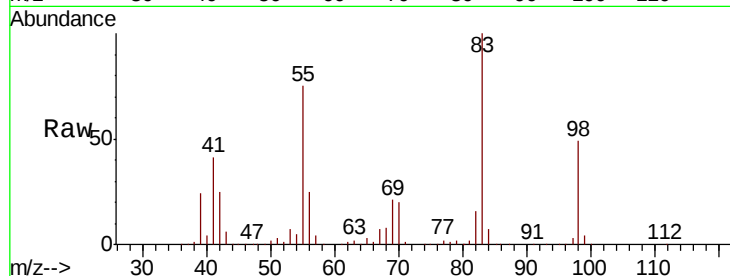
#39
Methvlcvclohexane
Concen: 48.162 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.0	60.9	91.3	
98	49.0	41.8	62.6	

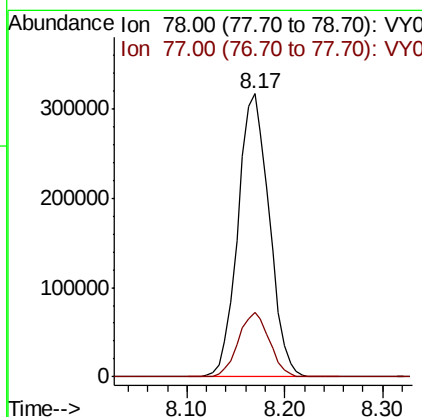
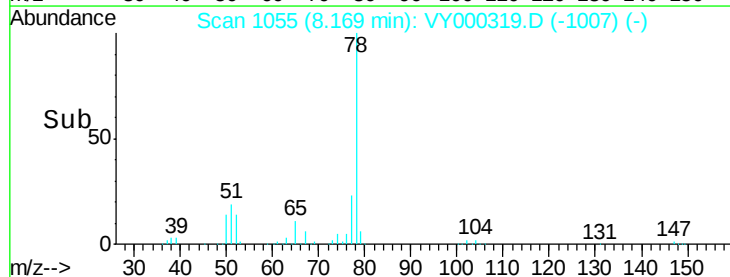
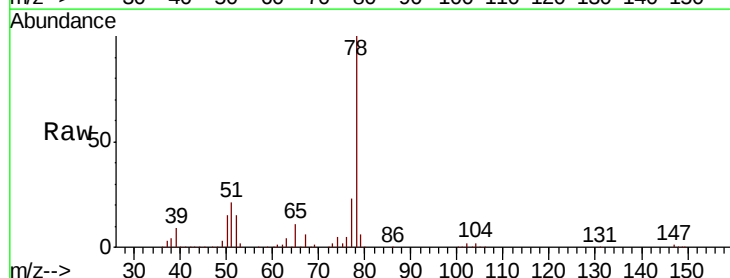
Manual Integrations
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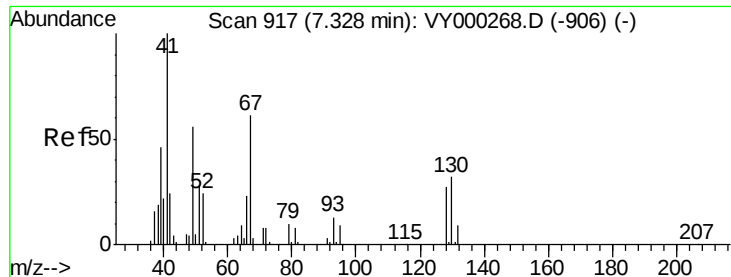
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#40
Benzene
Concen: 49.687 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





#41

Methacrylonitrile

Concen: 46.834 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 64592

Ion Ratio Lower Upper

41 100

39 0.0 110.2 165.2#

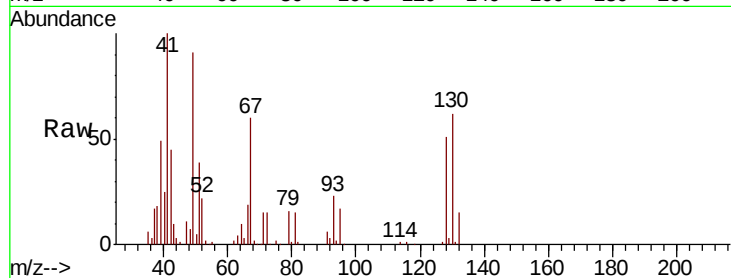
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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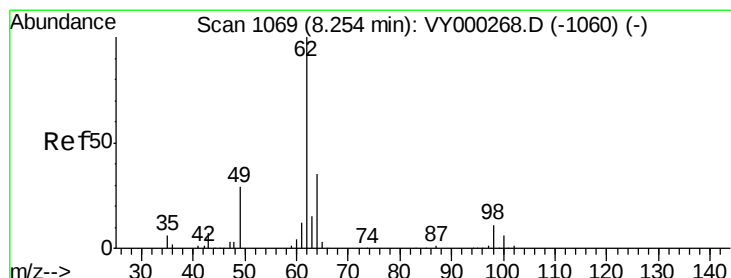
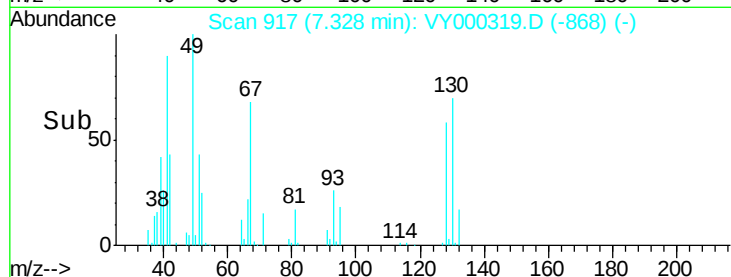
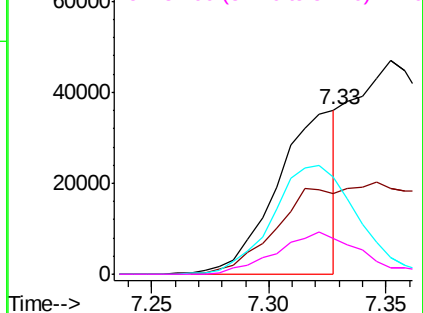


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 49.339 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000319.D

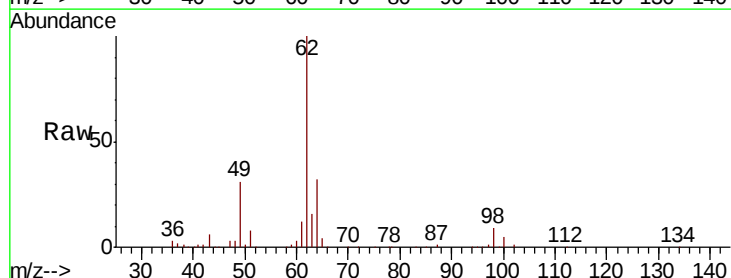
Acq: 15 Oct 2019 17:12

Tgt Ion: 62 Resp: 199299

Ion Ratio Lower Upper

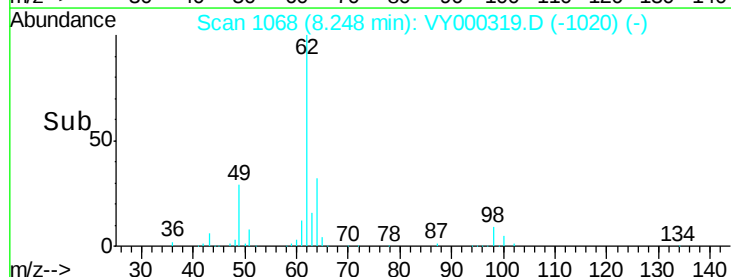
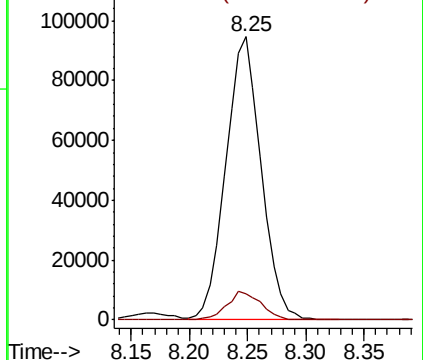
62 100

98 9.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





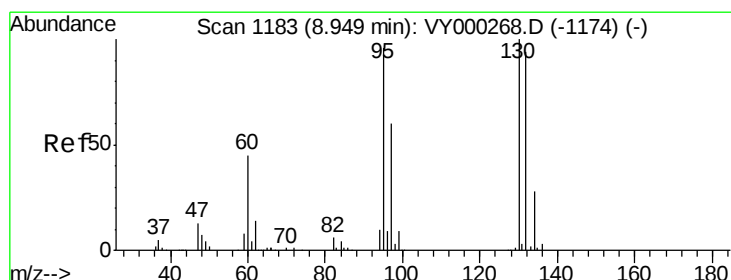
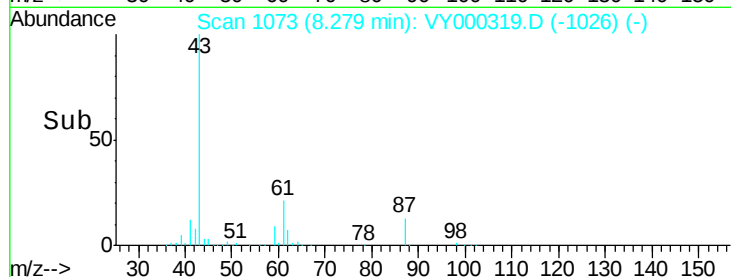
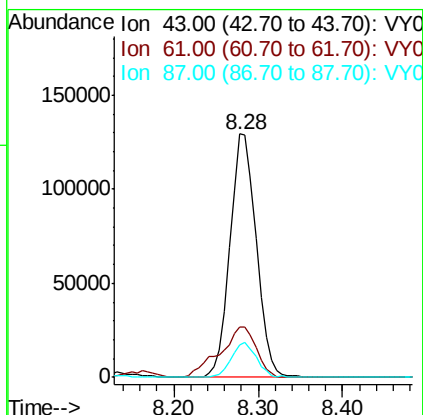
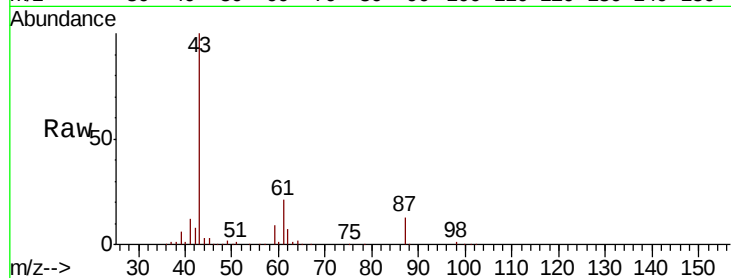
#43
Isopropyl Acetate
Concen: 49.464 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.3	33.5
87	13.7	10.9	16.3

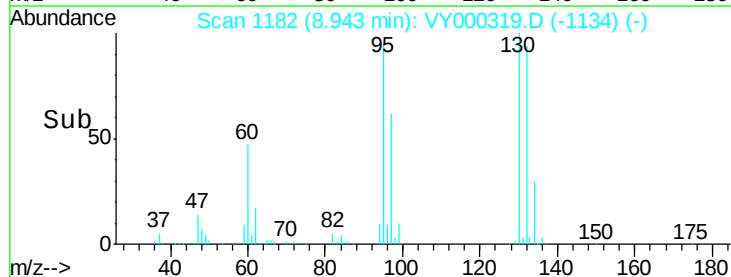
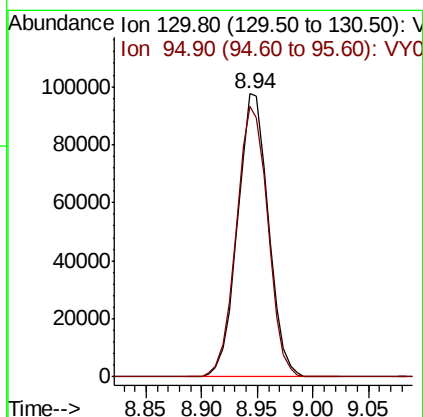
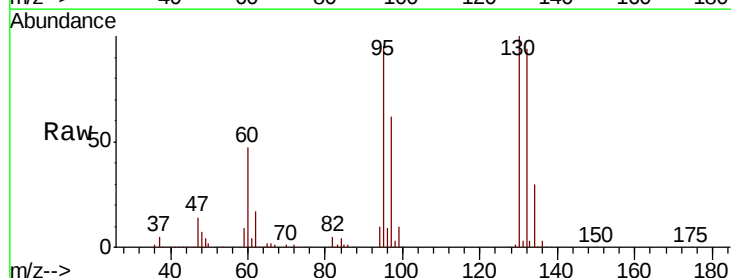
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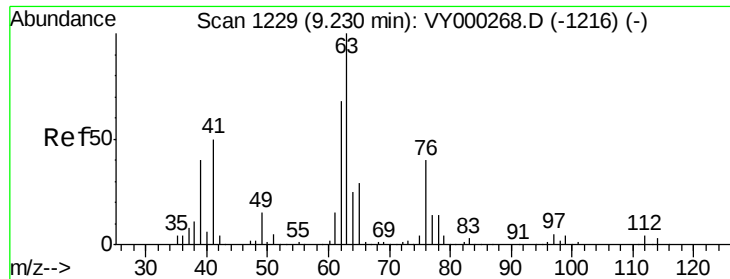
MMDadoda
10/18/2019 12:40:27 AM



#44
Trichloroethene
Concen: 47.337 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.4





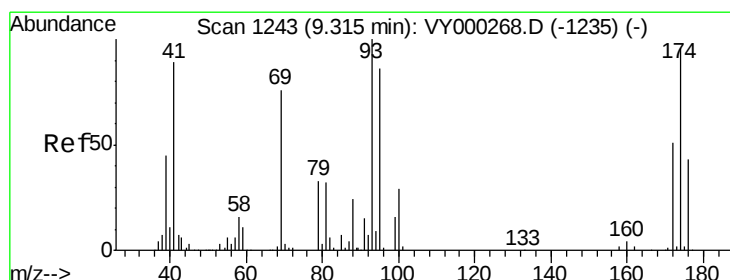
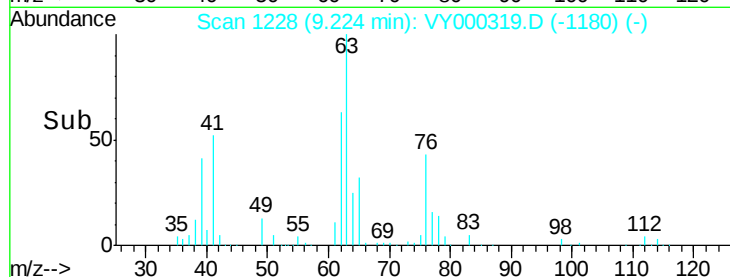
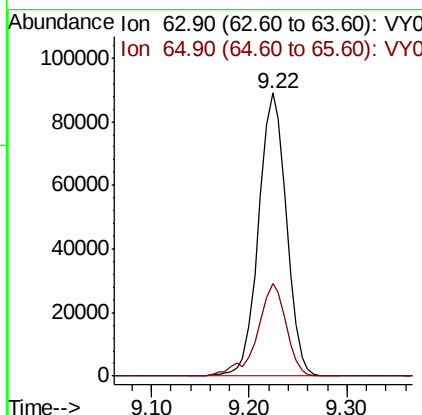
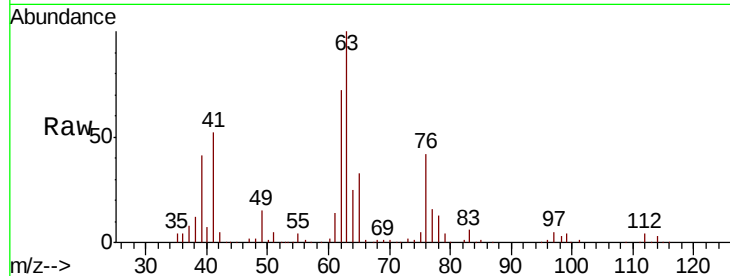
#45
 1,2-Dichloropropane
 Concen: 50.549 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 175418
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.2 34.8

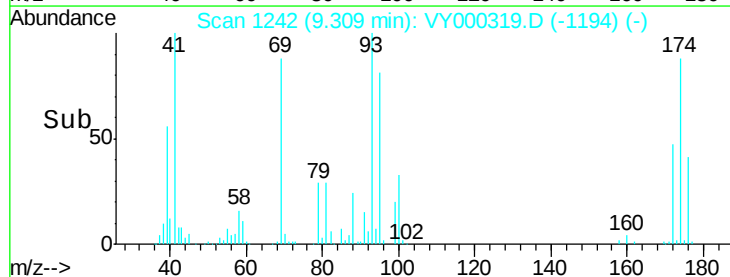
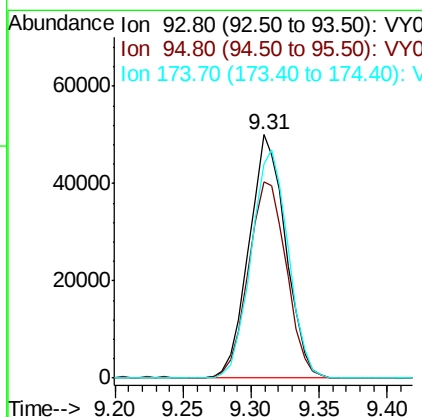
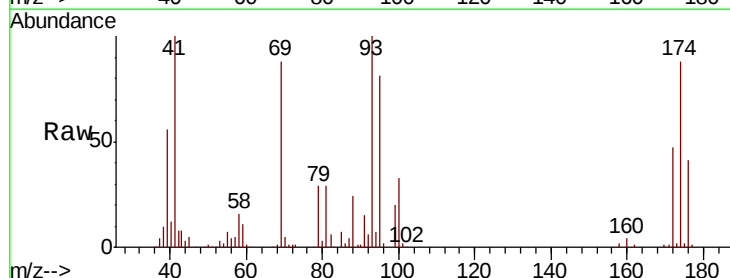
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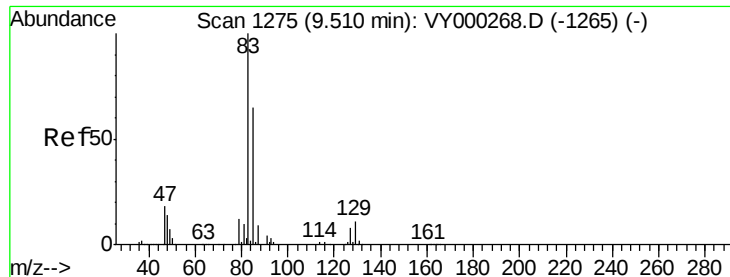
MMDadoda
 10/18/2019 12:40:27 AM



#46
 Dibromomethane
 Concen: 48.861 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion: 93 Resp: 94787
 Ion Ratio Lower Upper
 93 100
 95 83.6 68.2 102.2
 174 94.4 79.8 119.6





#47

Bromodichloromethane

Concen: 51.295 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

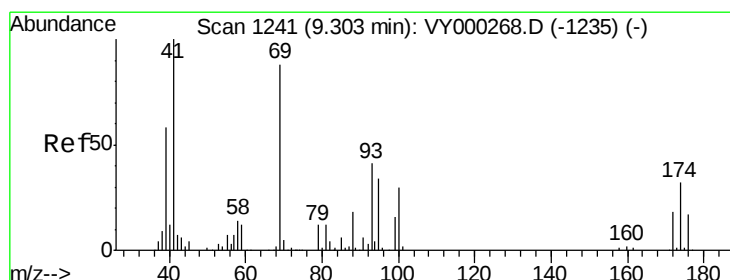
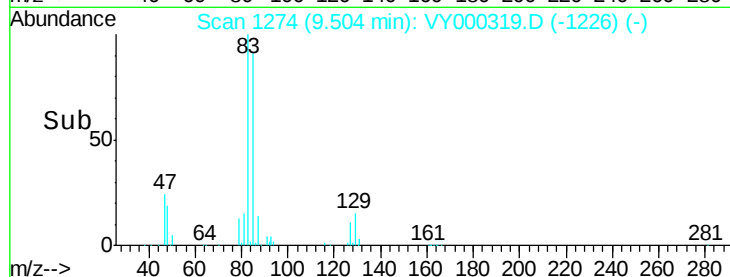
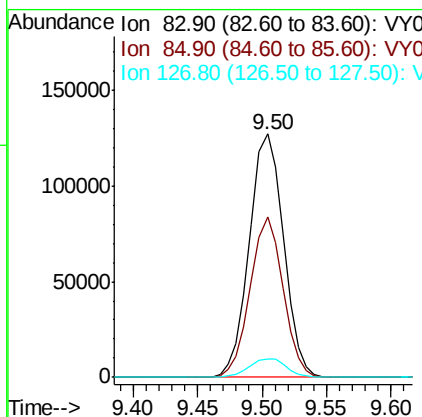
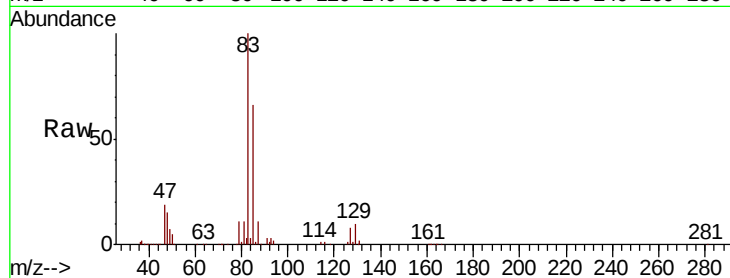
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	234513
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.2
127	7.7	6.3	9.5

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MMDadoda
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#48

Methyl methacrylate

Concen: 50.498 ug/l

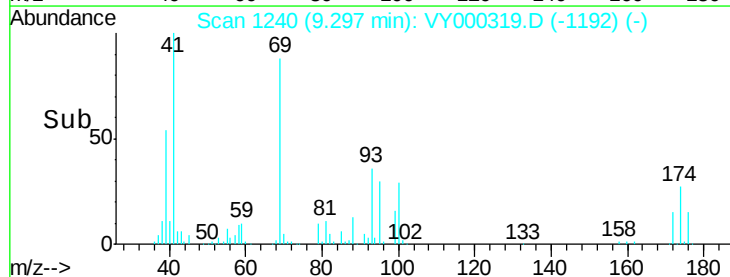
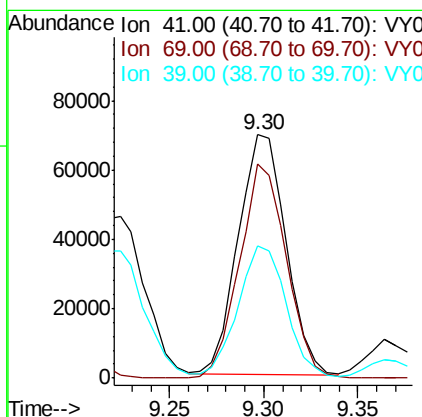
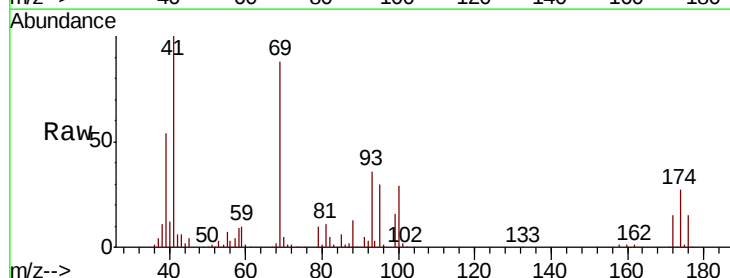
RT: 9.30 min Scan# 1240

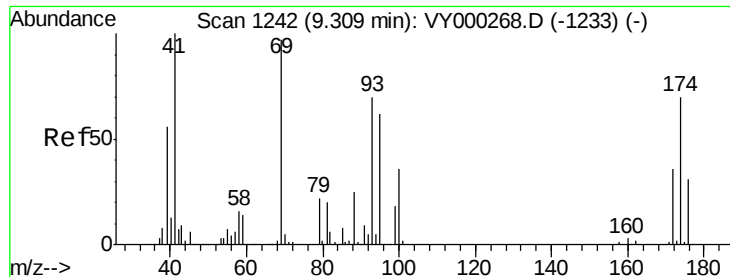
Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion:	41	Resp:	121923
Ion	Ratio	Lower	Upper
41	100		
69	87.7	70.0	105.0
39	55.8	47.7	71.5





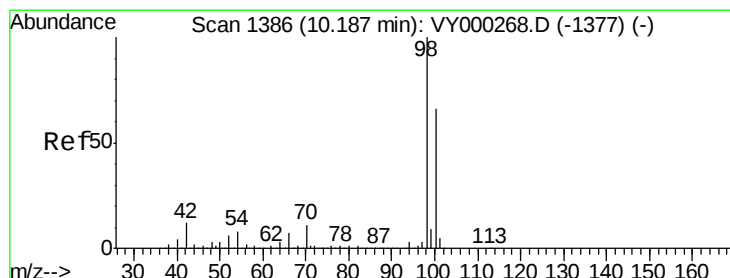
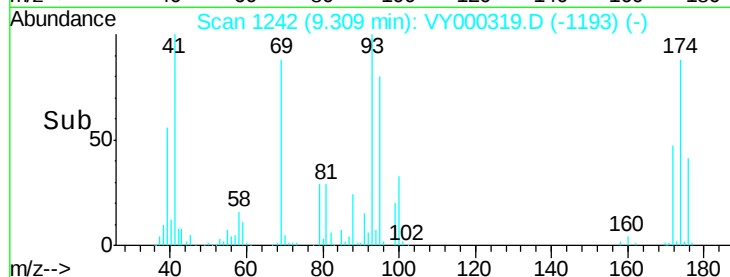
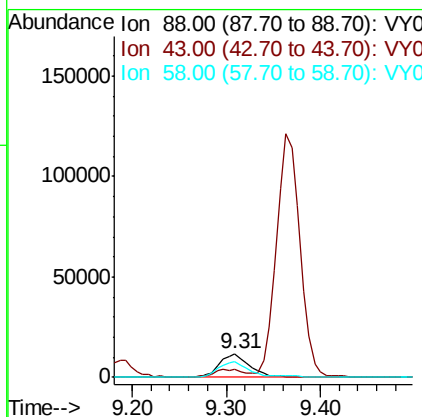
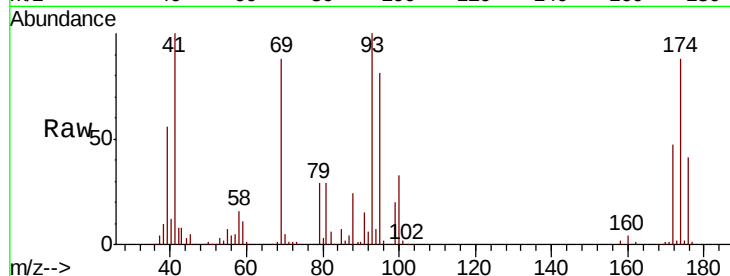
#49
1,4-Dioxane
Concen: 908.135 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	25.6	38.4
58	73.9	54.6	81.8

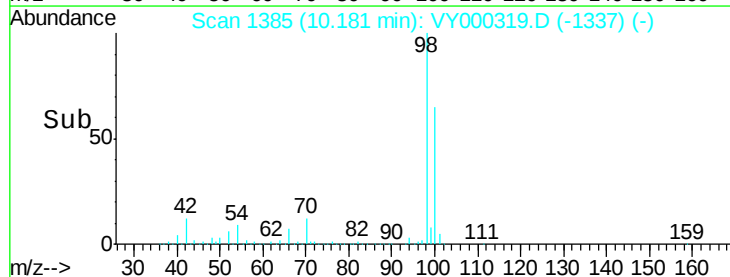
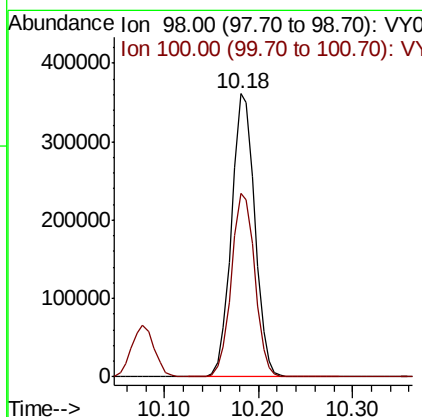
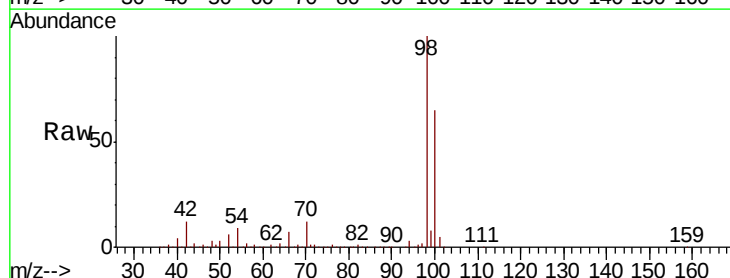
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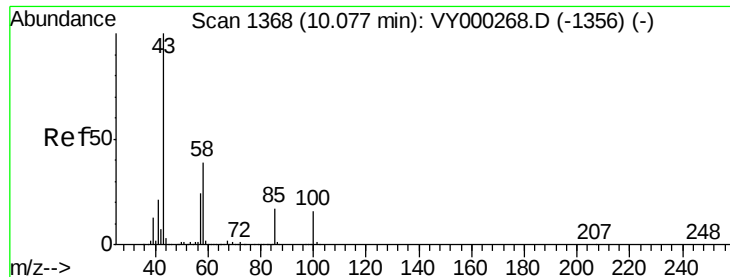
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#50
Toluene-d8
Concen: 53.397 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2





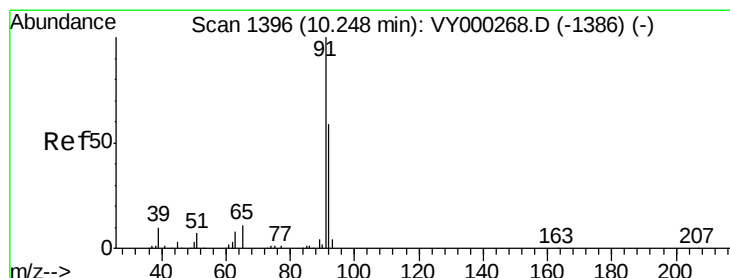
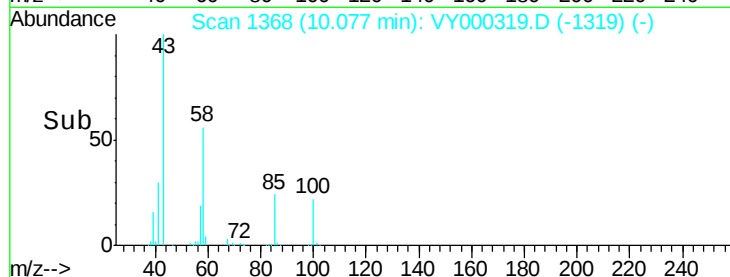
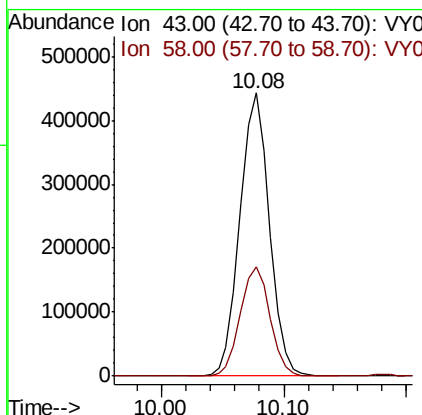
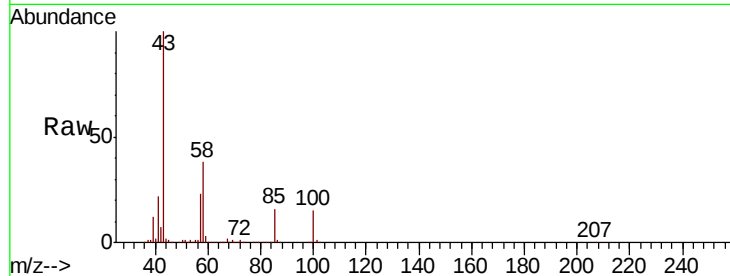
#51
4-Methyl-2-Pentanone
Concen: 260.689 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	38.8		31.0	46.6	

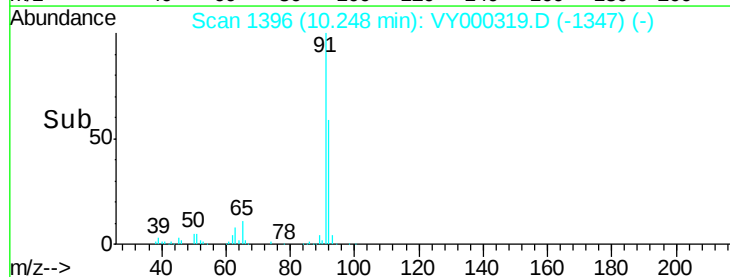
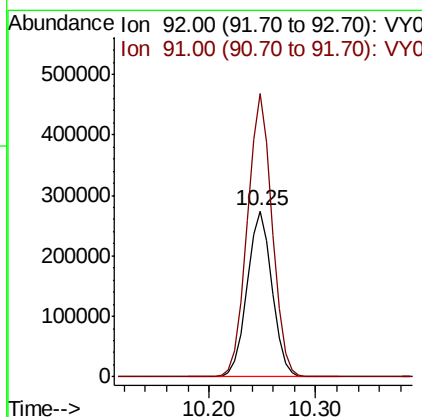
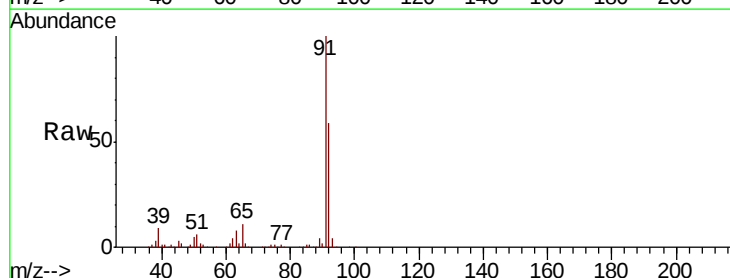
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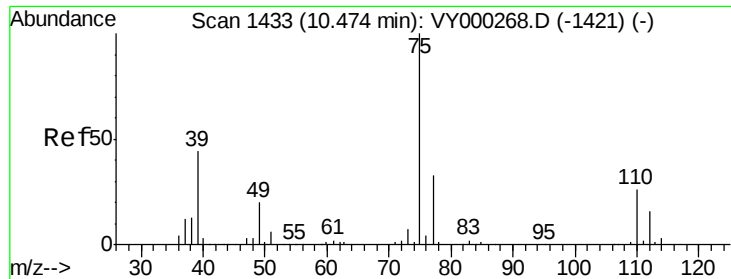
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#52
Toluene
Concen: 49.949 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	170.3		136.6	205.0	





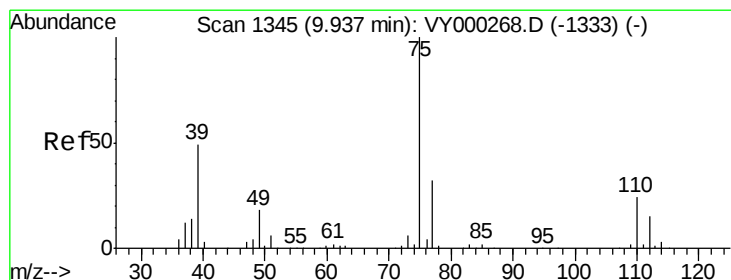
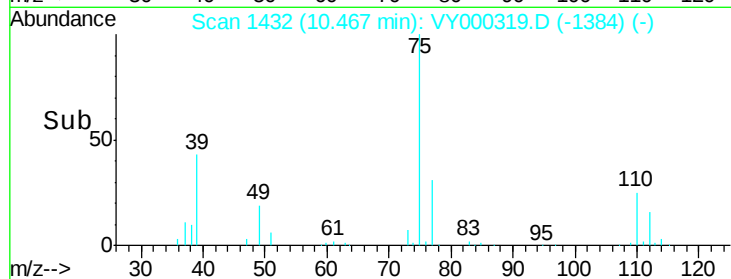
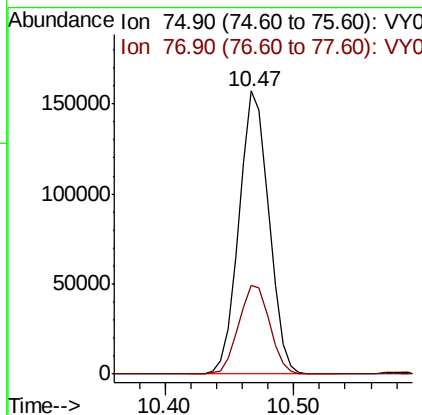
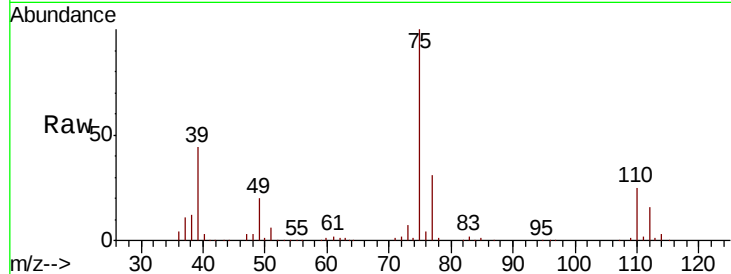
#53
 t-1,3-Dichloropropene
 Concen: 51.375 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 251723
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0

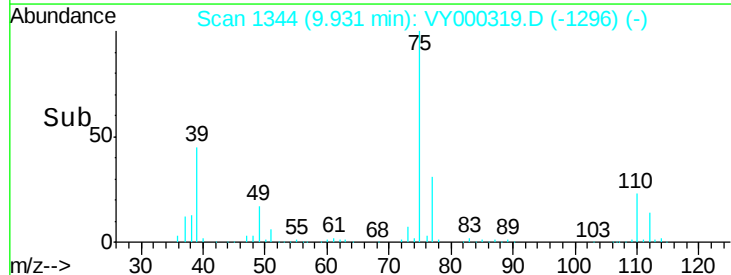
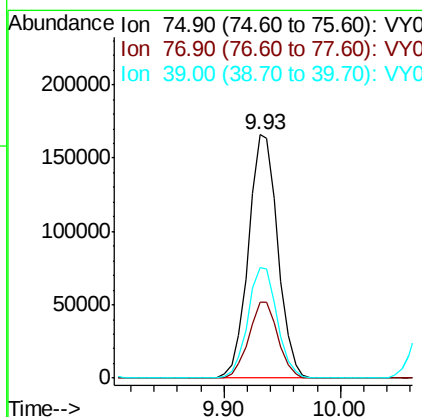
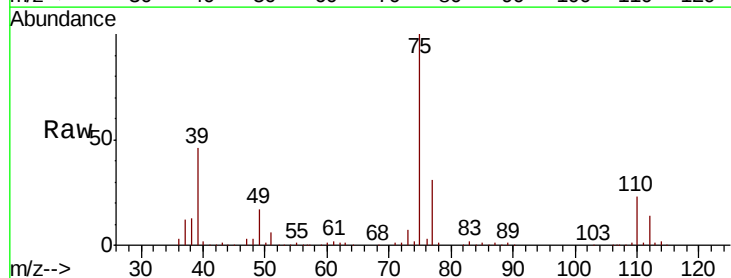
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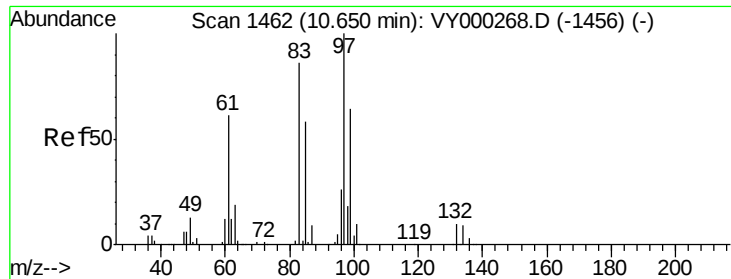
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#54
 cis-1,3-Dichloropropene
 Concen: 52.116 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion: 75 Resp: 289991
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0
 39 45.5 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 50.896 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

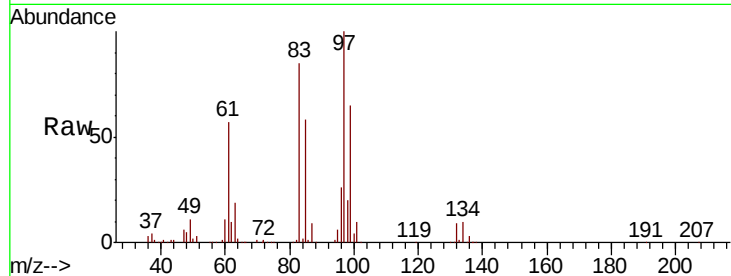
ClientSampleId :

VSTDCCC050EC

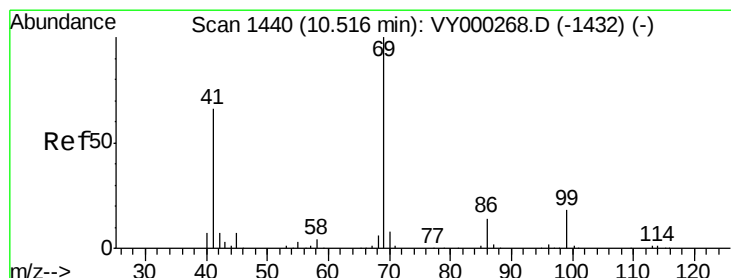
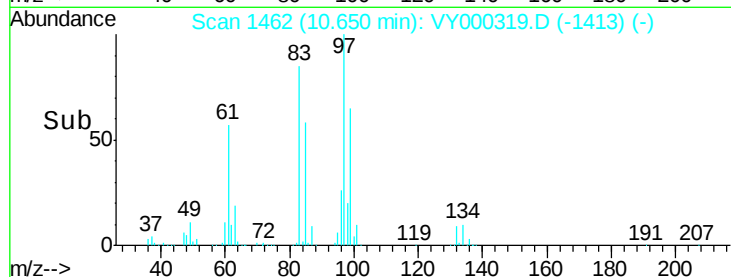
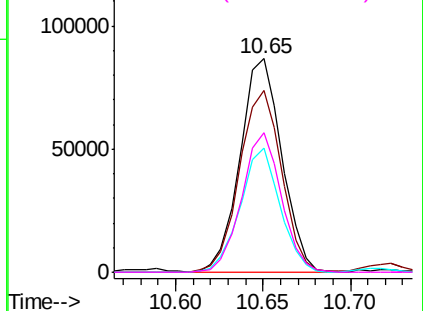
Tot Ion:	97	Resp:	143558
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.0	103.6
85	58.0	46.2	69.4
99	65.2	51.1	76.7

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Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 53.793 ug/l

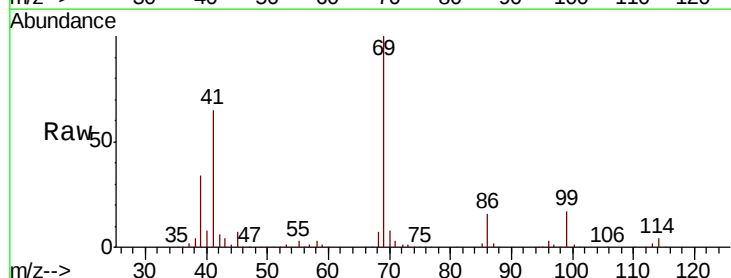
RT: 10.51 min Scan# 1439

Delta R.T. -0.01 min

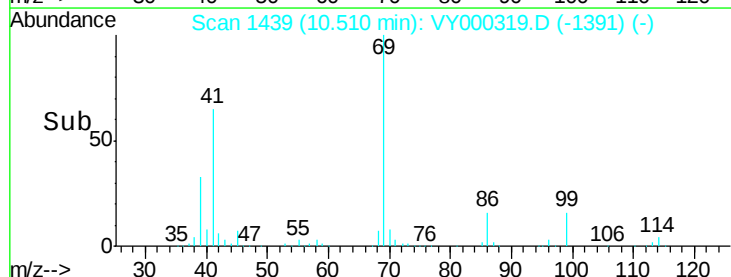
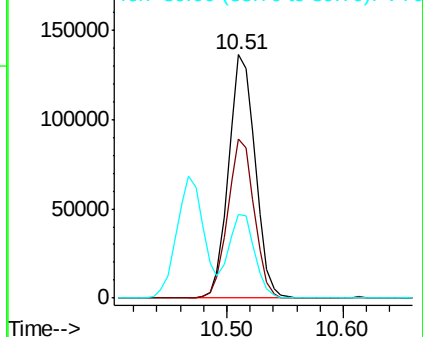
Lab File: VY000319.D

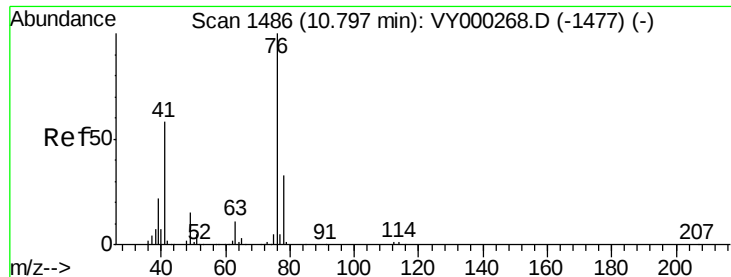
Acq: 15 Oct 2019 17:12

Tgt Ion:	69	Resp:	216268
Ion	Ratio	Lower	Upper
69	100		
41	64.3	52.5	78.7
39	33.6	26.7	40.1



Abundance Ion 69.00 (68.70 to 69.70): VY0
Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 51.324 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 248620

Ion Ratio Lower Upper

76 100

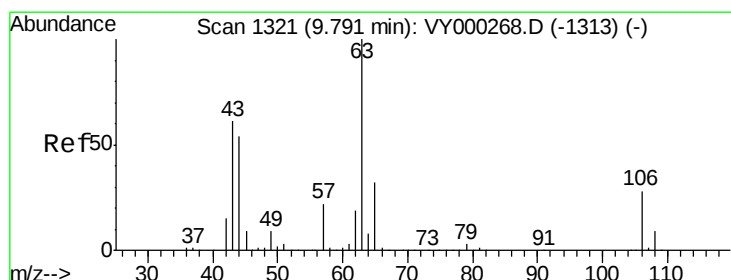
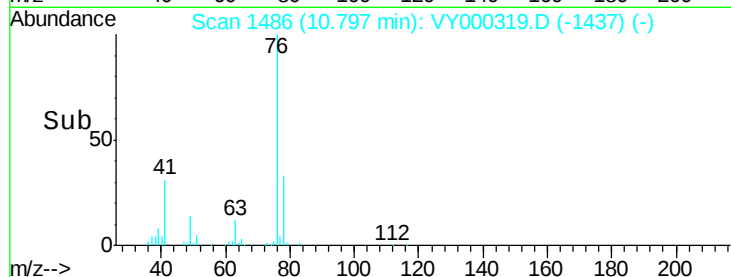
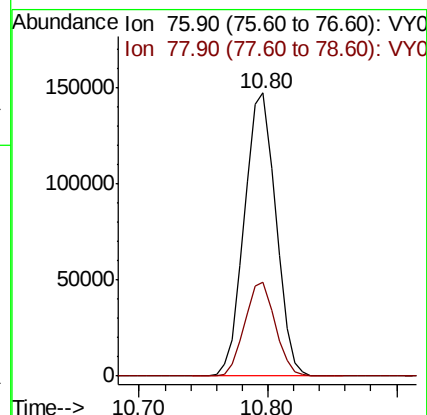
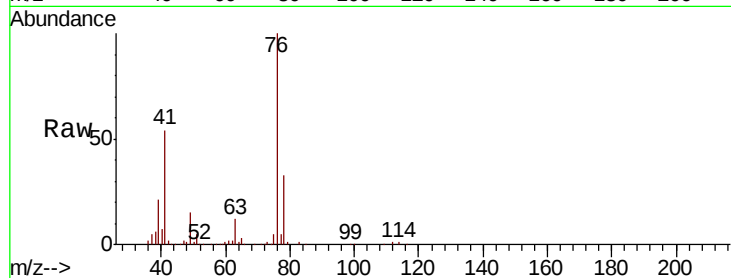
78 32.0 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 347.159 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000319.D

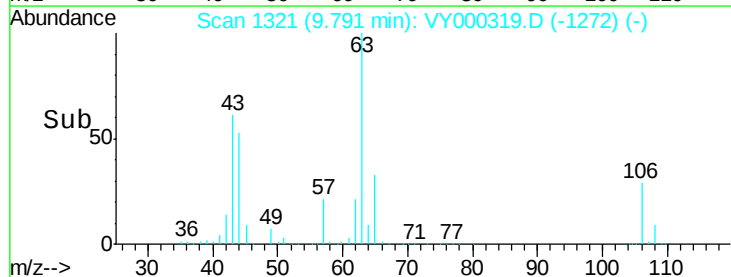
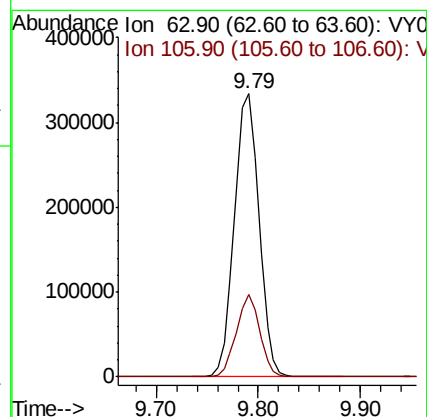
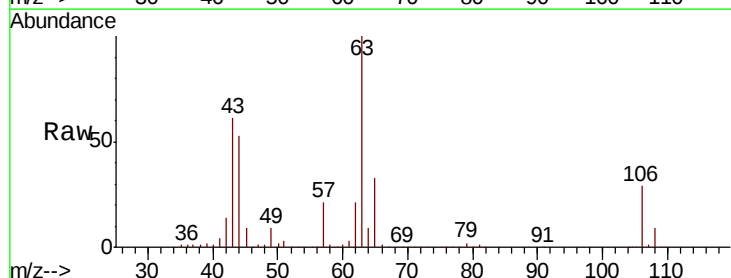
Acq: 15 Oct 2019 17:12

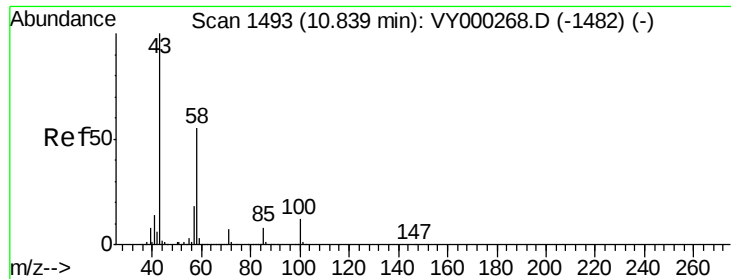
Tgt Ion: 63 Resp: 556706

Ion Ratio Lower Upper

63 100

106 27.8 23.0 34.4





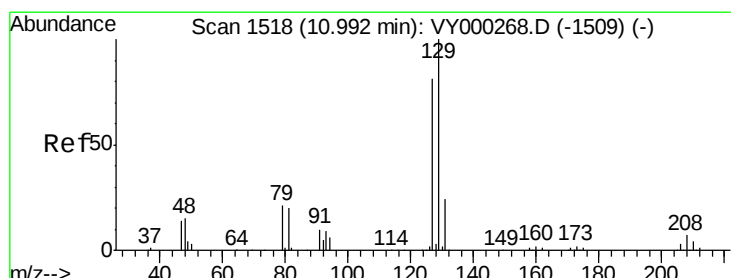
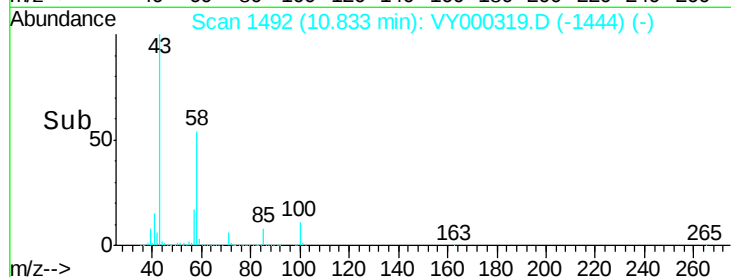
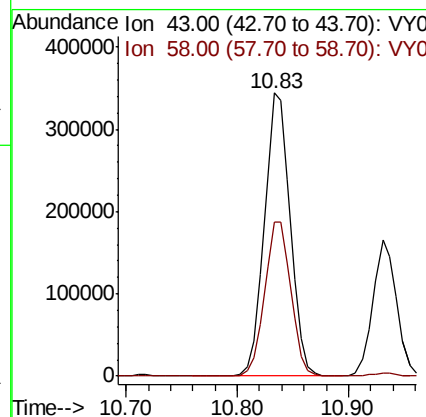
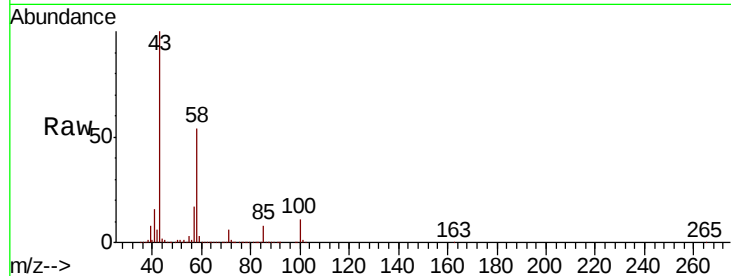
#59
2-Hexanone
Concen: 279.753 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 557965
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1

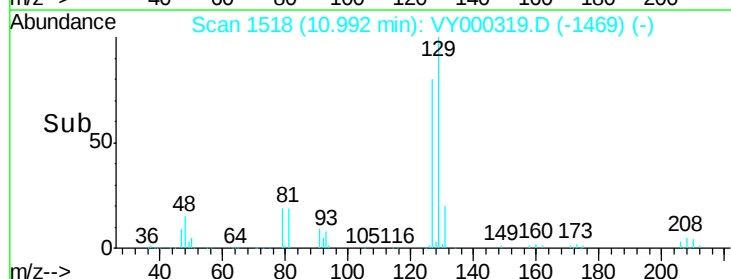
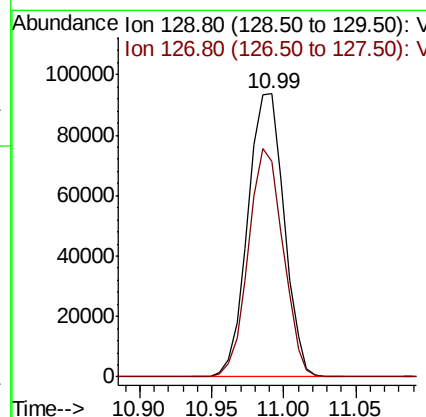
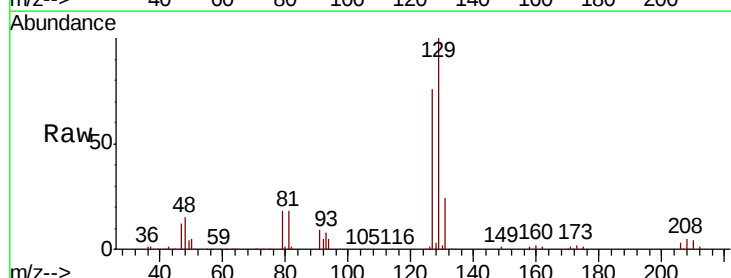
Manual Integrations
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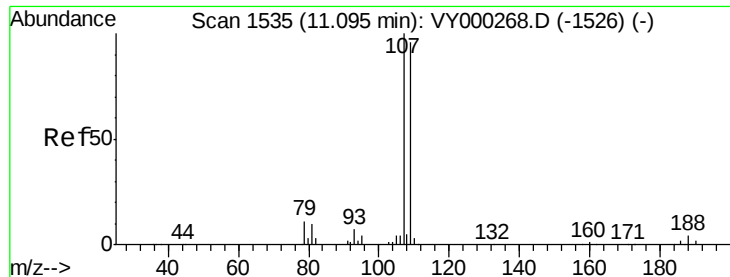
MMDadoda
10/18/2019 12:40:27 AM



#60
Dibromochloromethane
Concen: 52.225 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 129 Resp: 163272
Ion Ratio Lower Upper
129 100
127 77.4 39.9 119.7





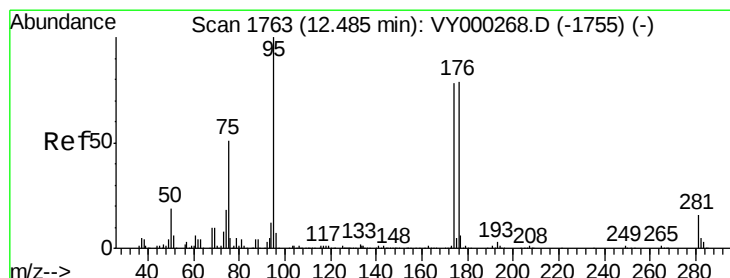
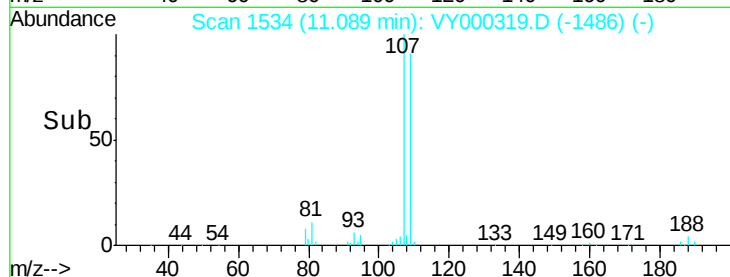
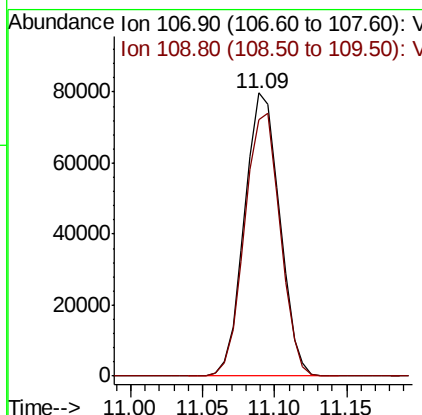
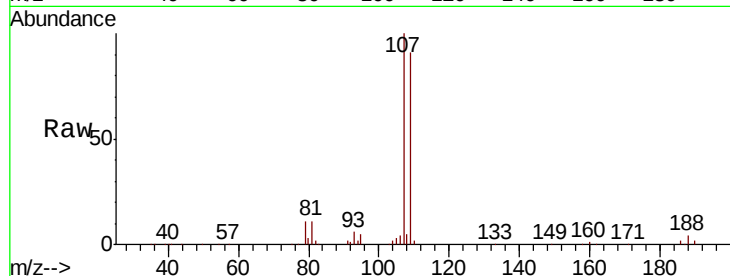
#61
 1,2-Dibromoethane
 Concen: 49.935 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.1	112.7

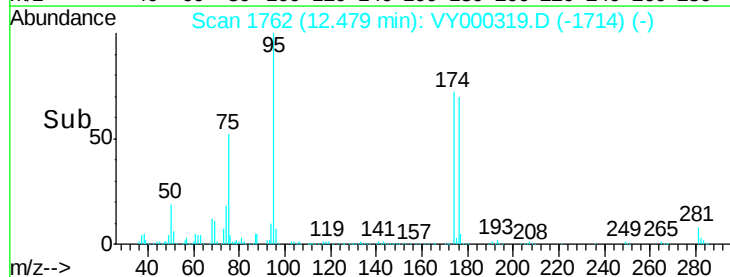
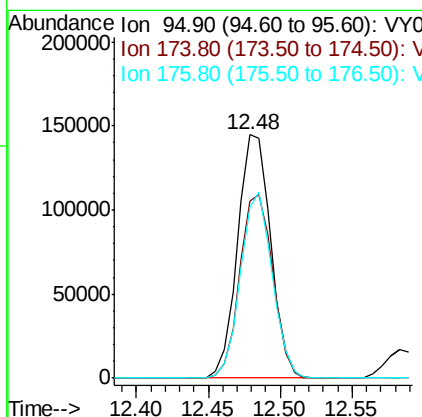
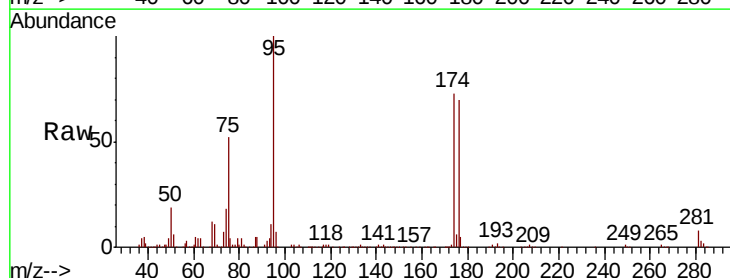
Manual Integrations
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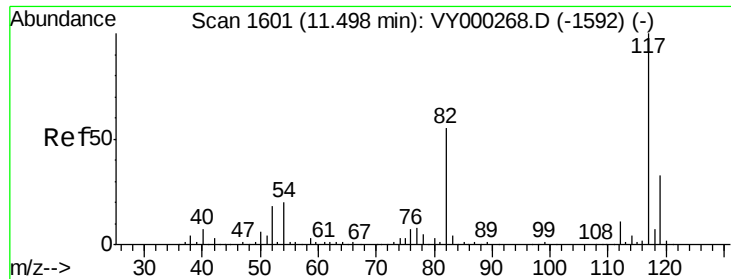
MMDadoda
 10/18/2019 12:40:27 AM



#62
 4-Bromofluorobenzene
 Concen: 52.452 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	159.6
176	73.1	0.0	153.8





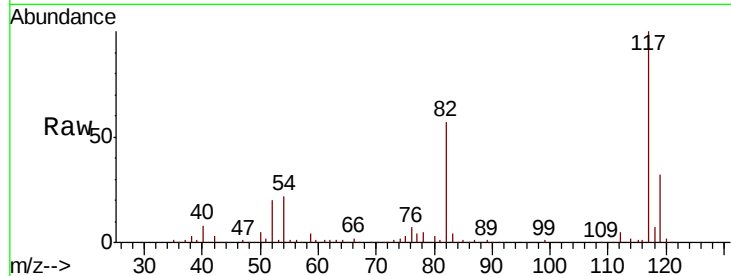
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	43.7	65.5
119	31.9	26.6	39.8

Manual Integrations
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10/18/2019 12:40:27 AM

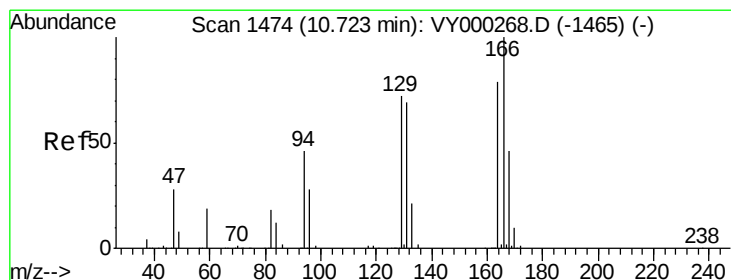
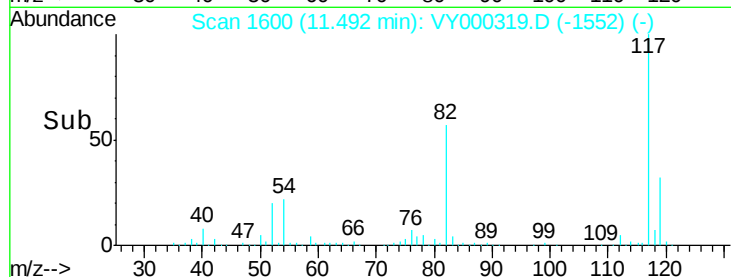
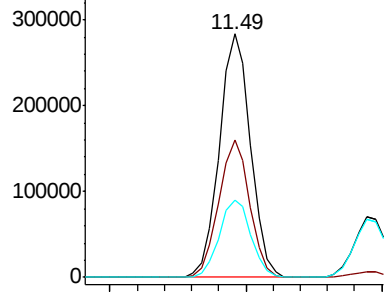


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.707 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	100.6	151.0
129	92.5	72.8	109.2
131	89.4	69.4	104.2

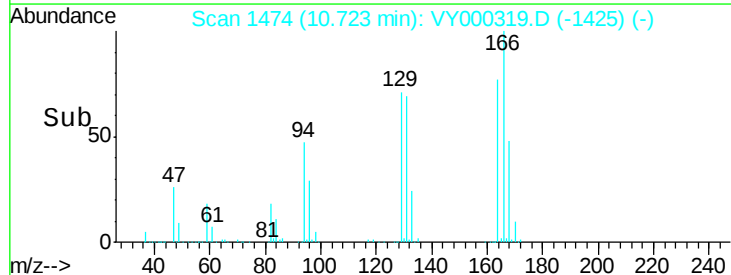
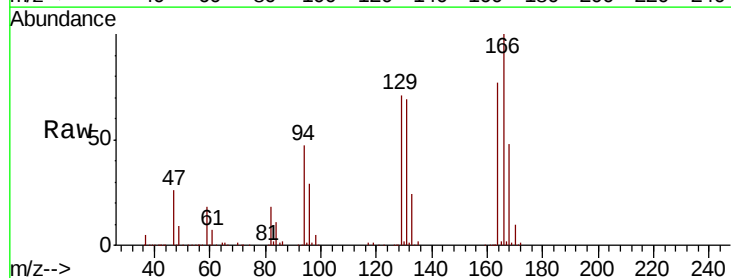
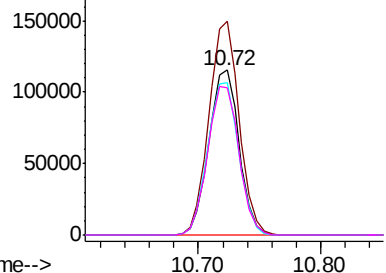
Abundance

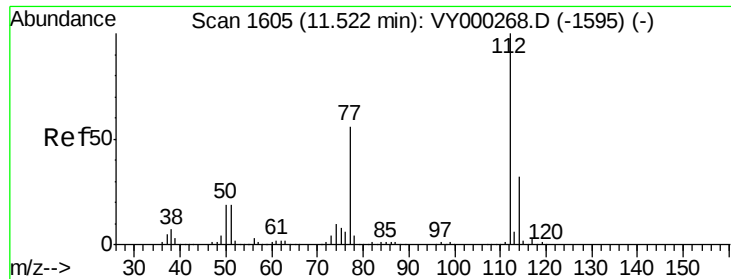
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





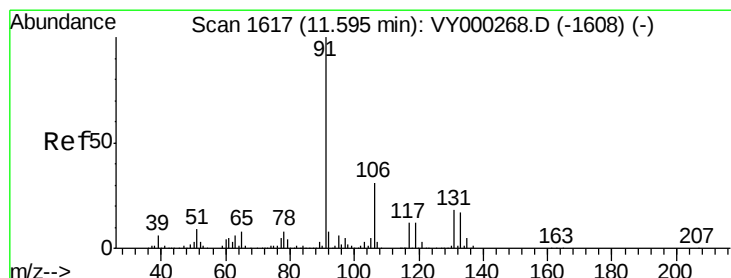
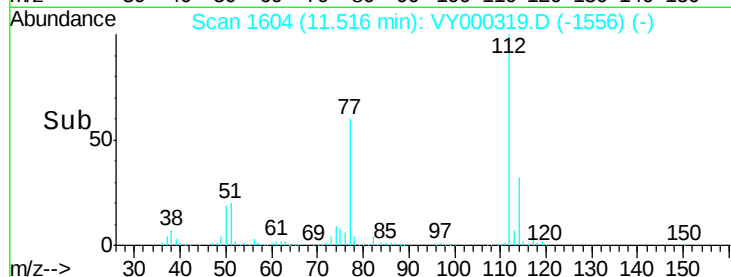
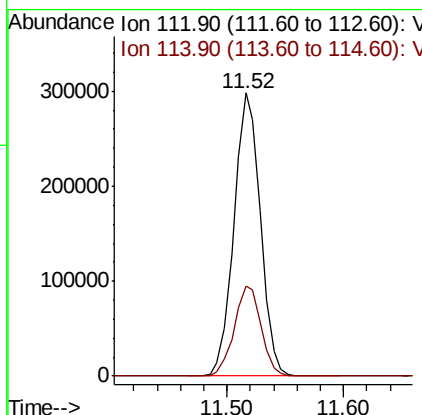
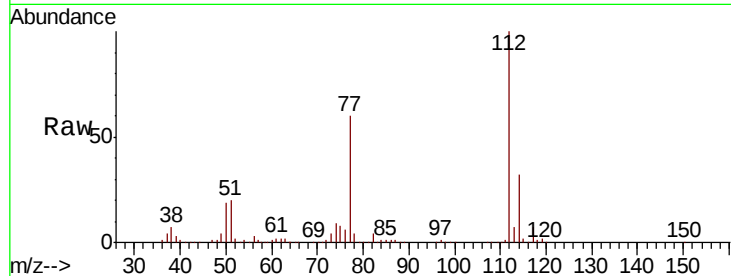
#65
Chlorobenzene
Concen: 49.023 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 470551
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5

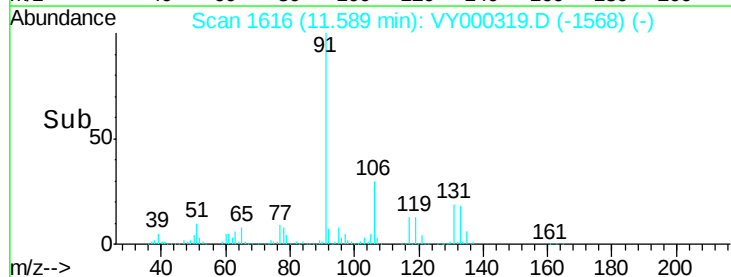
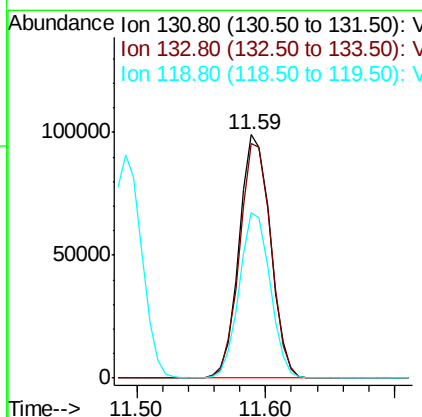
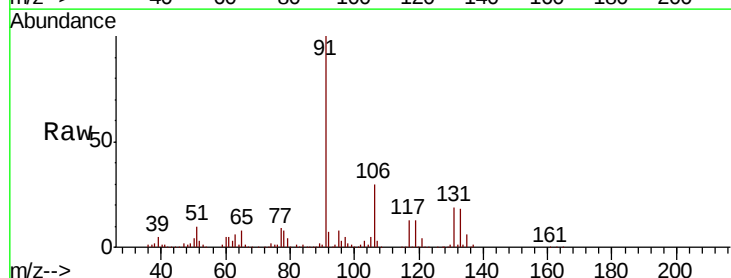
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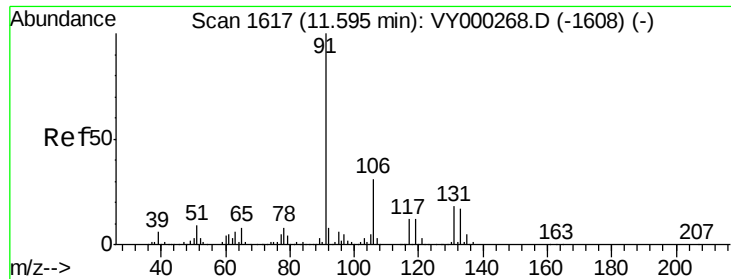
MMDadoda
10/18/2019 12:40:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.208 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion:131 Resp: 165920
Ion Ratio Lower Upper
131 100
133 96.6 47.2 141.6
119 67.4 32.6 98.0





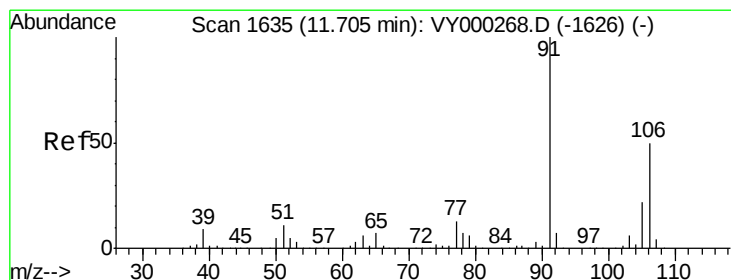
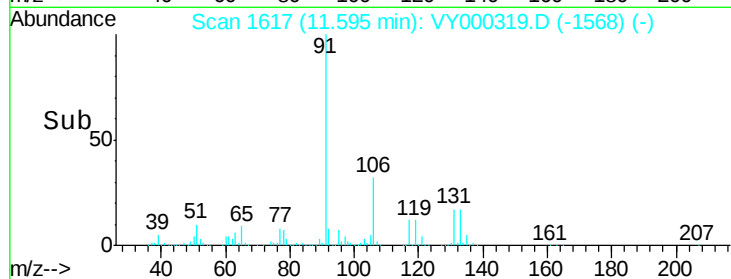
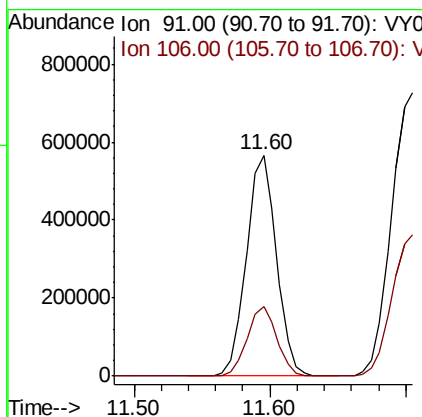
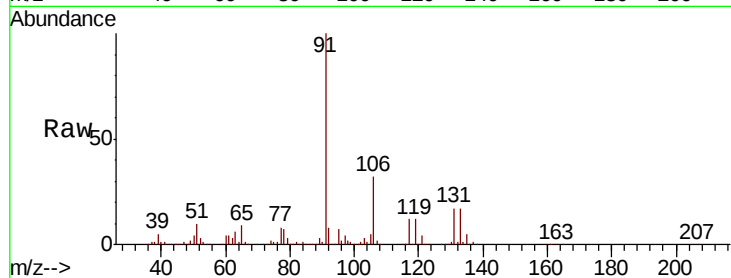
#67
Ethyl Benzene
Concen: 49.182 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 875136
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6

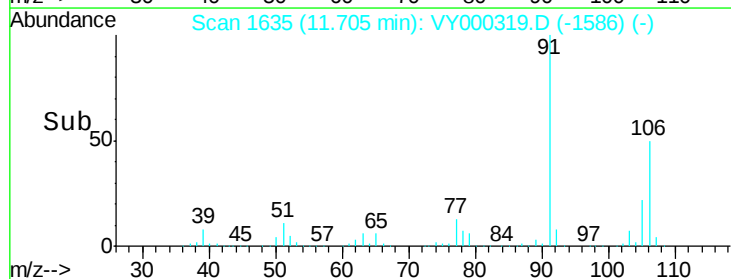
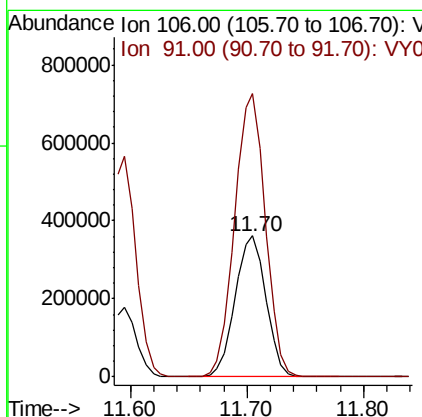
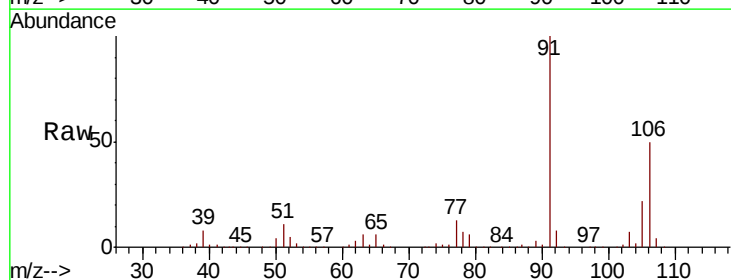
Manual Integrations
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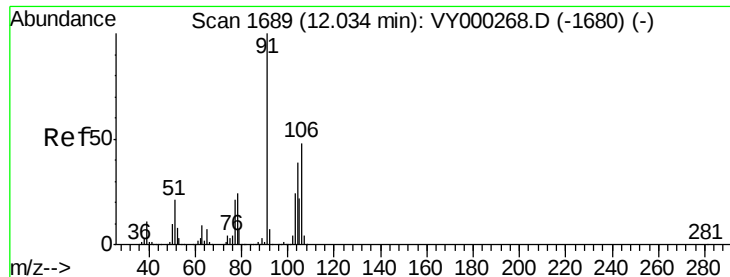
MMDadoda
10/18/2019 12:40:27 AM



#68
m/p-Xylenes
Concen: 98.017 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 106 Resp: 666739
Ion Ratio Lower Upper
106 100
91 200.4 157.5 236.3





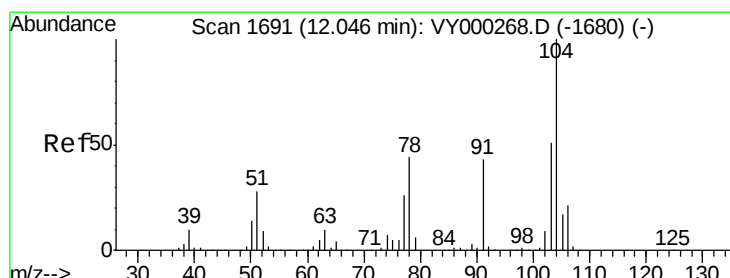
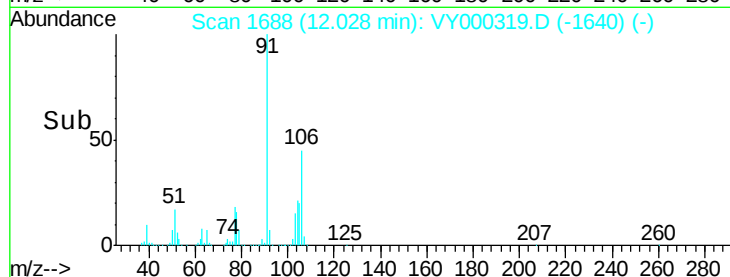
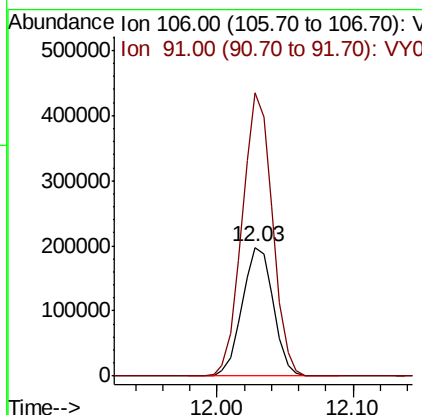
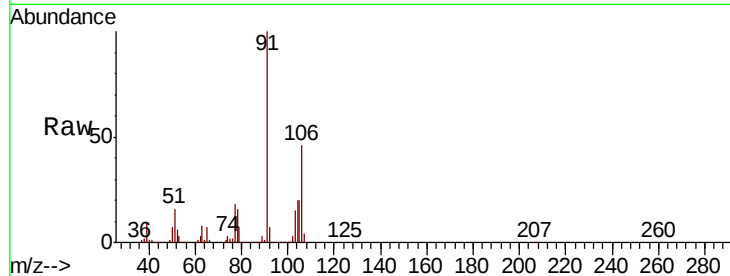
#69
o-Xylene
Concen: 48.613 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.9	104.7	313.9	

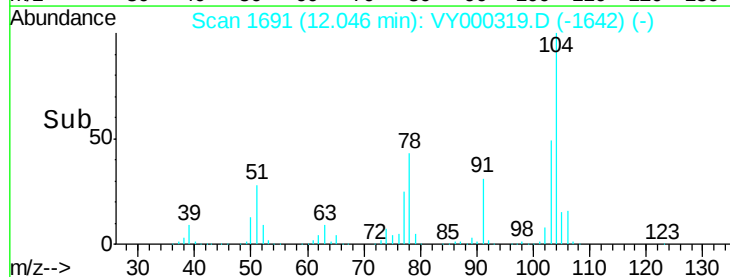
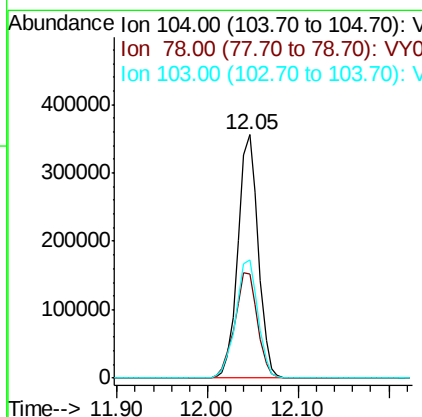
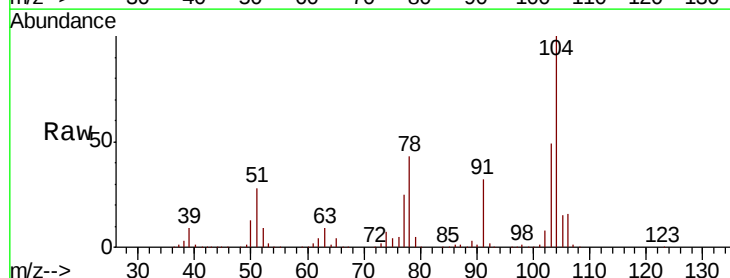
Manual Integrations
APPROVED

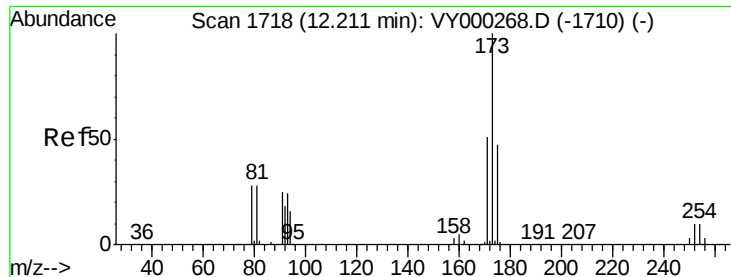
MMDadoda
10/18/2019 12:40:27 AM



#70
Styrene
Concen: 50.256 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.8	39.0	58.6	
103	53.5	43.1	64.7	





#71

Bromoform

Concen: 51.025 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

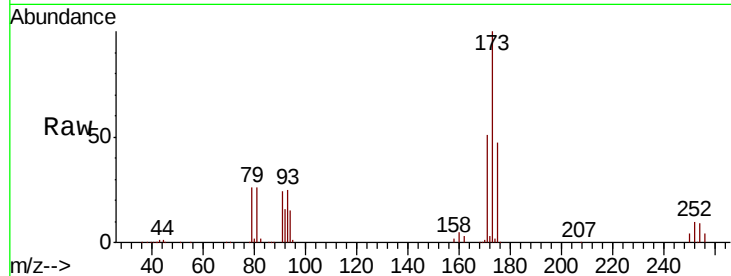
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.0	0.1	0.1#

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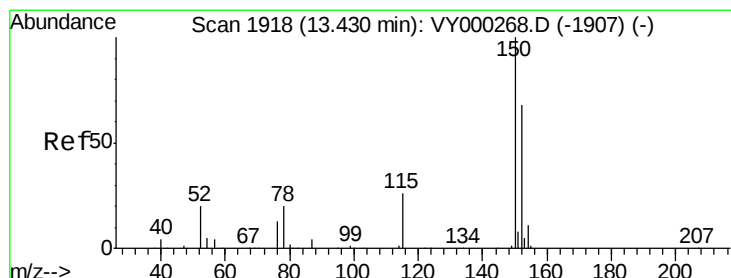
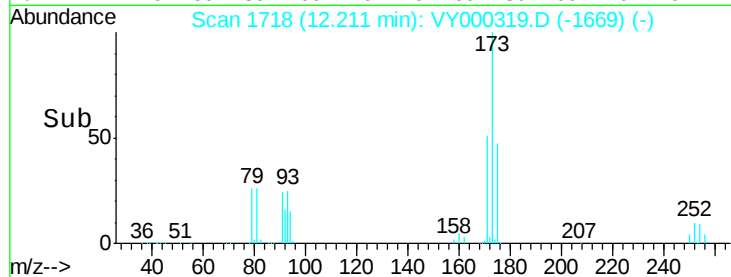
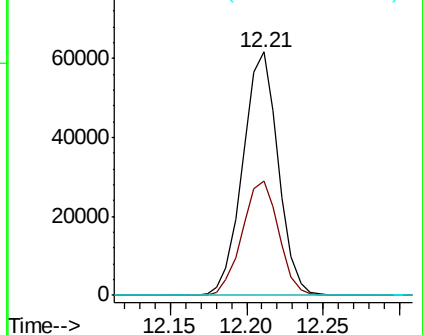


Abundance

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

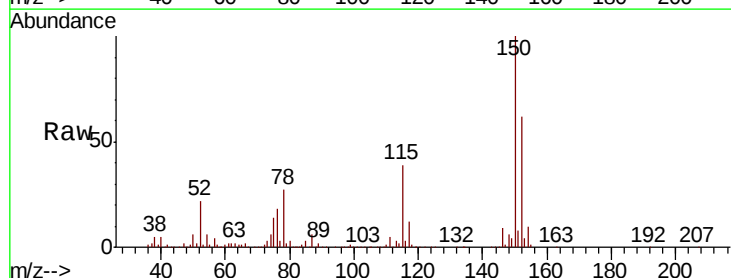
RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	29.3	88.0
150	175.5	0.0	348.4

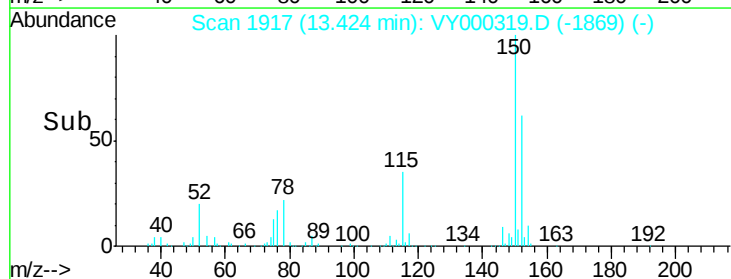
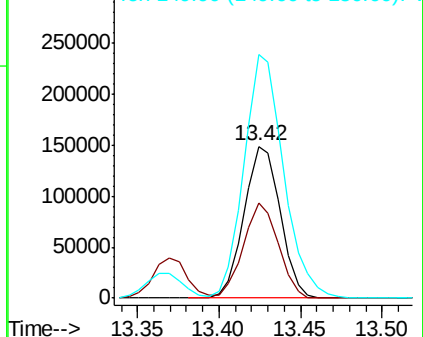


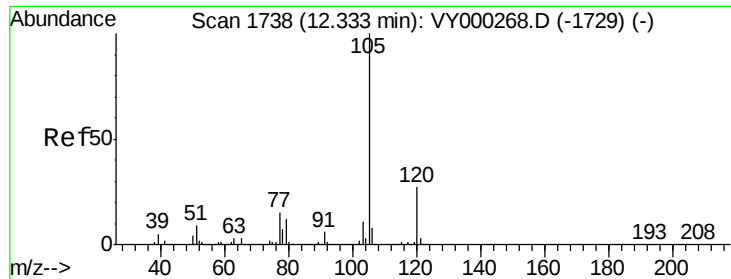
Abundance

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





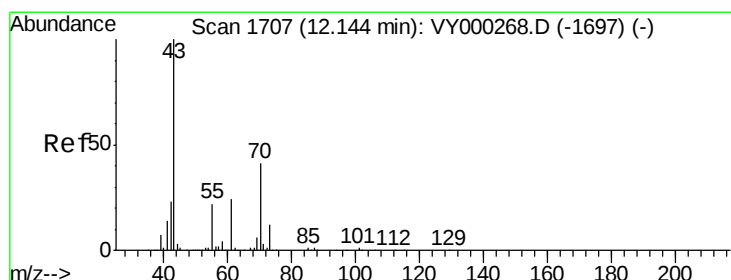
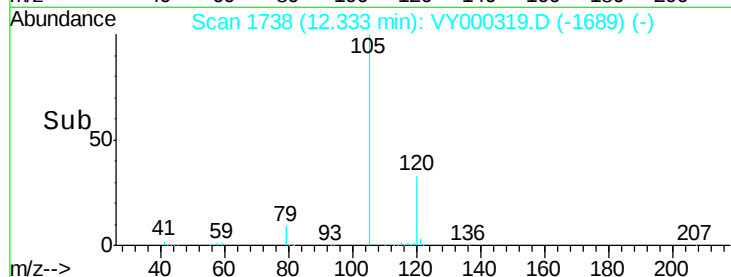
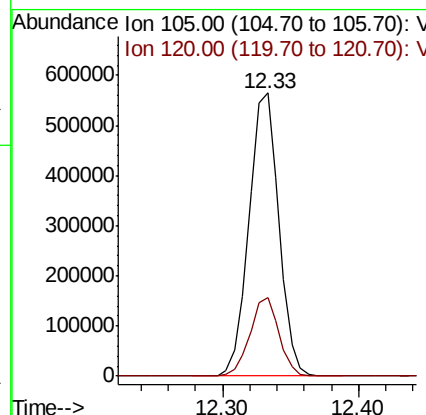
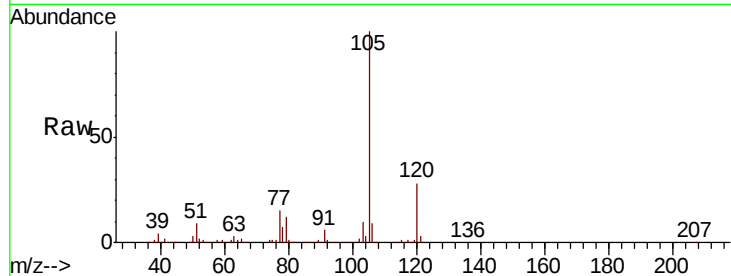
#73
Isopropylbenzene
Concen: 48.384 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

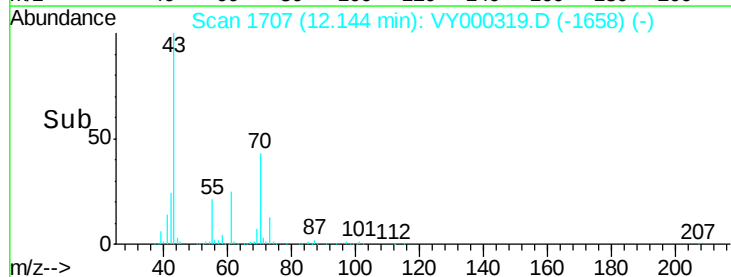
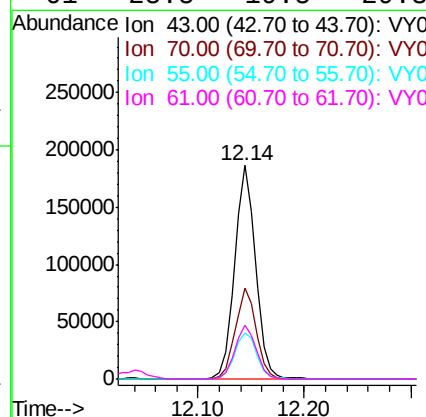
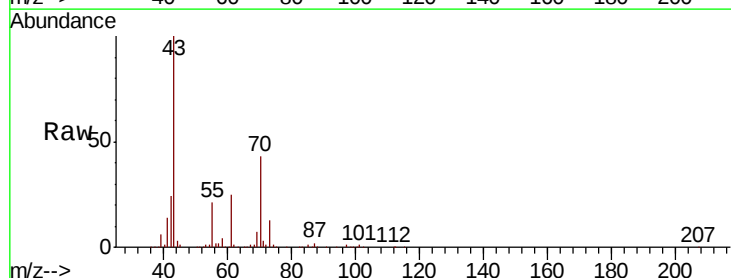
Manual Integrations
APPROVED

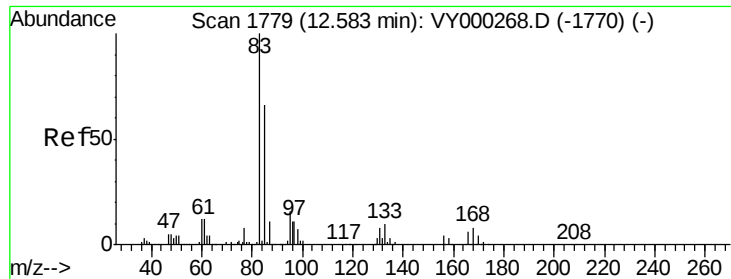
MMDadoda
10/18/2019 12:40:27 AM



#74
N-ethyl acetate
Concen: 58.426 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	32.9	49.3
55	23.0	17.8	26.6
61	25.5	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.198 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

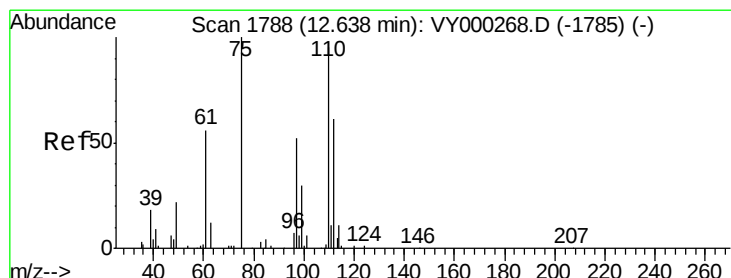
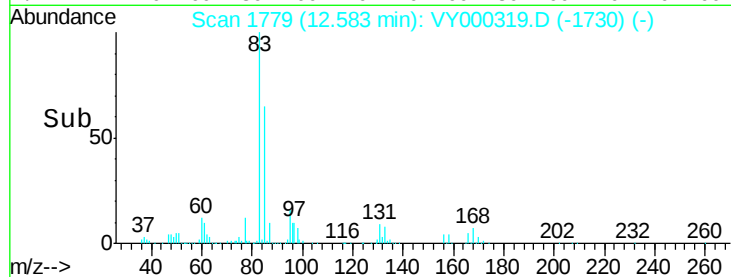
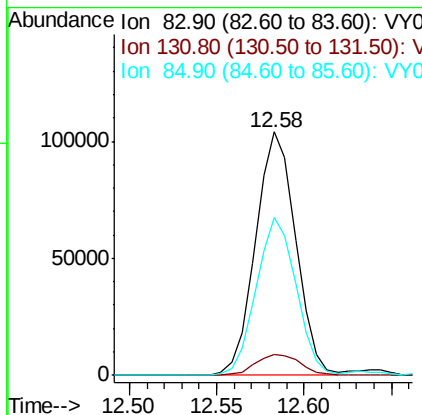
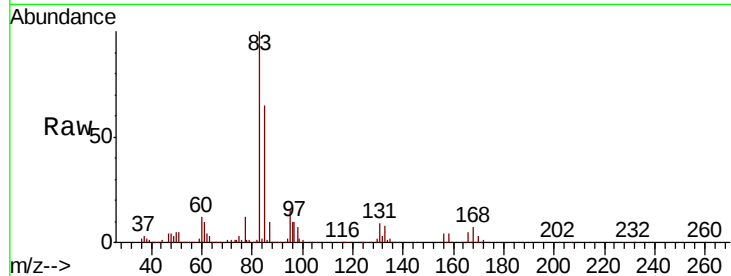
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	165939
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.3	16.1
85	64.3	32.9	98.7

Manual Integrations
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MMDadoda
10/18/2019 12:40:27 AM



#76

1,2,3-Trichloropropane

Concen: 49.010 ug/l m

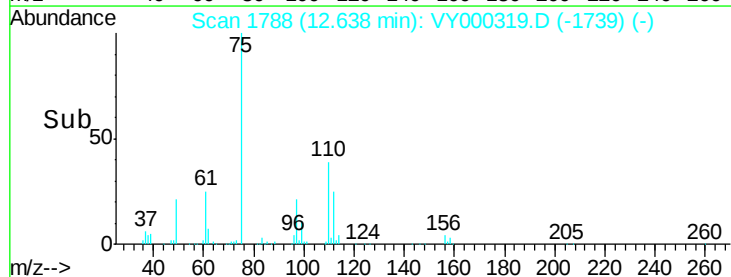
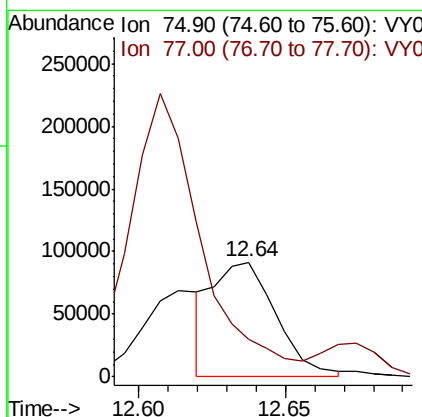
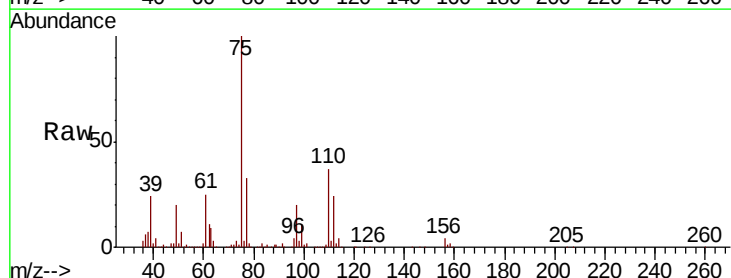
RT: 12.64 min Scan# 1788

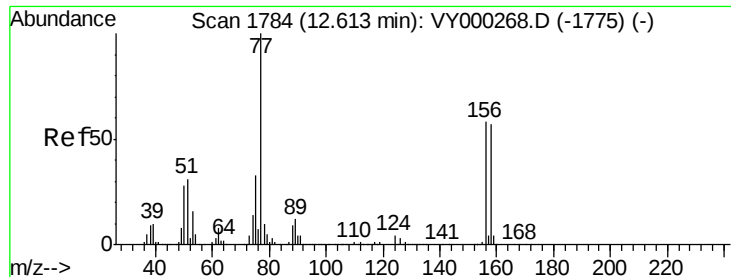
Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion:	75	Resp:	138847
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.622 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 190368

Ion Ratio Lower Upper

156 100

77 203.4 101.0 302.9

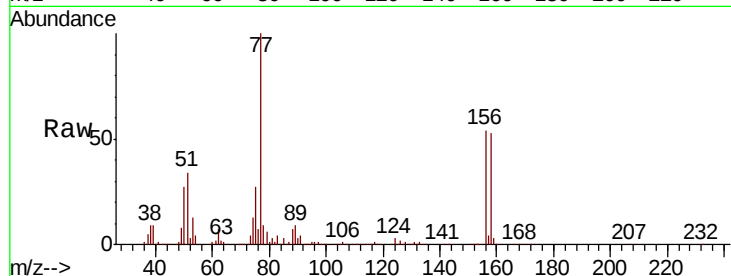
158 97.3 49.7 149.1

Manual Integrations

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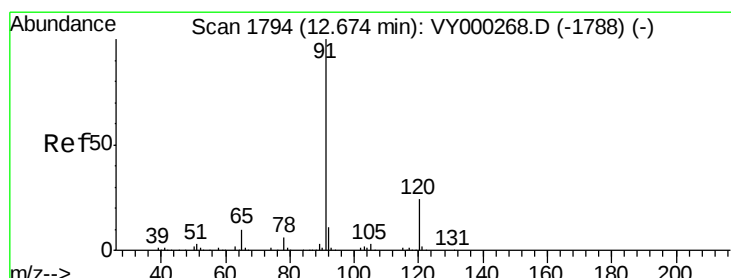
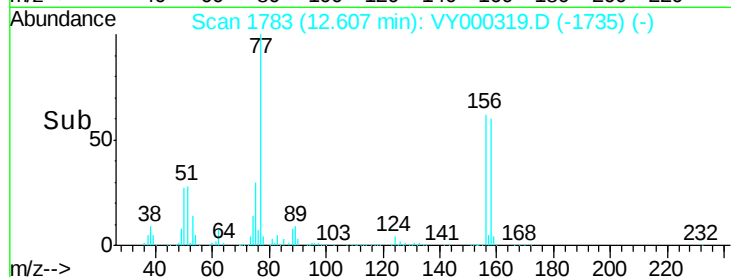
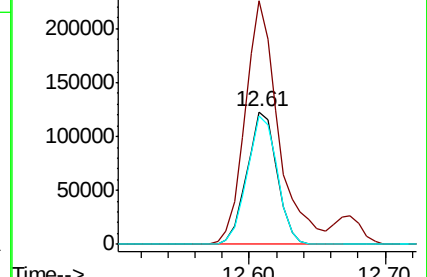
10/18/2019 12:40:27 AM



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



#78

n-propylbenzene

Concen: 49.048 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000319.D

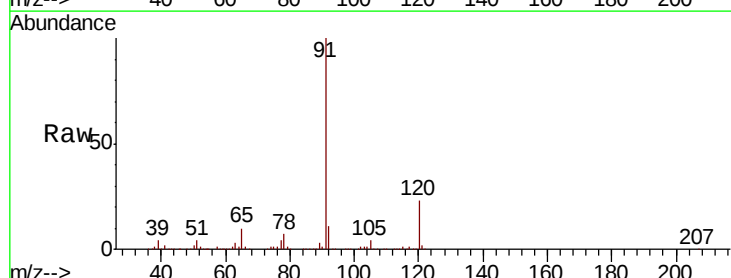
Acq: 15 Oct 2019 17:12

Tgt Ion: 91 Resp: 1057918

Ion Ratio Lower Upper

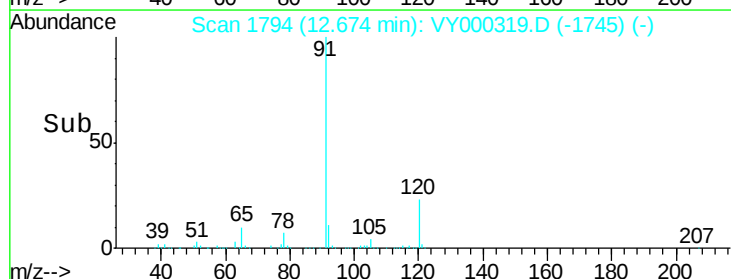
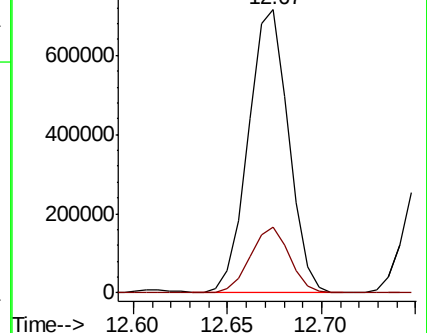
91 100

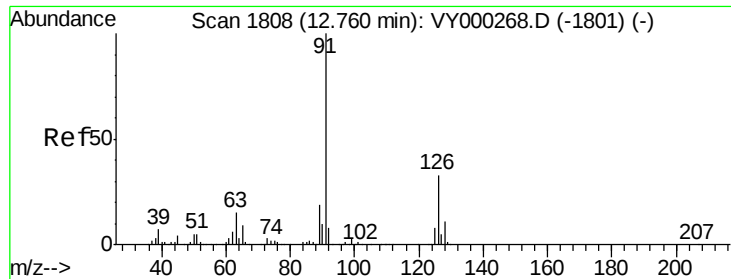
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.248 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 586629

Ion Ratio Lower Upper

91 100

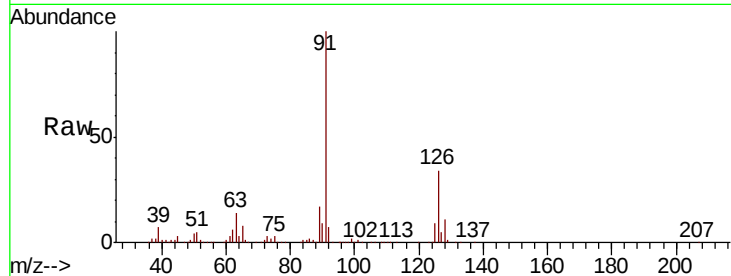
126 33.6 17.1 51.3

Manual Integrations

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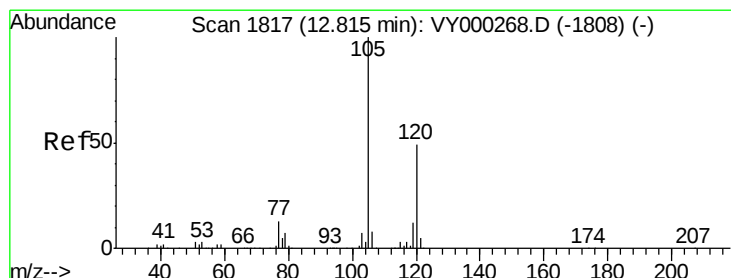
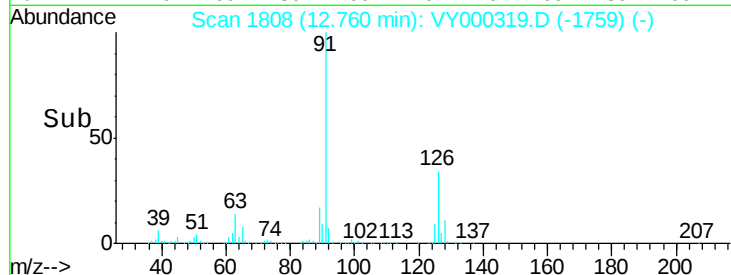
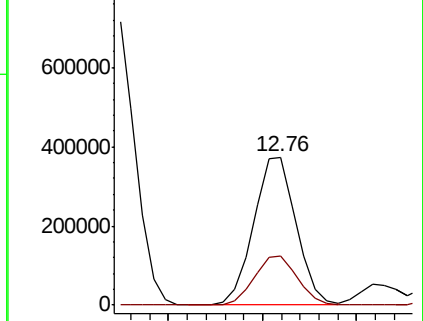
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10/18/2019 12:40:27 AM



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

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



#80

1,3,5-Trimethylbenzene

Concen: 48.425 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000319.D

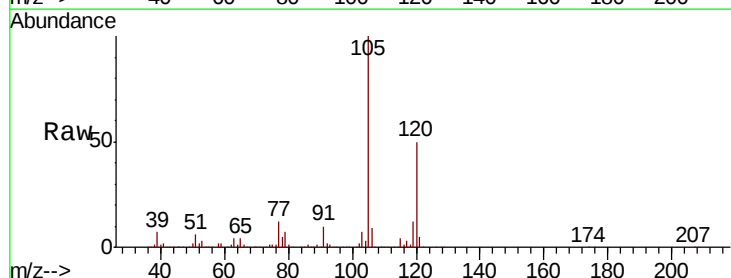
Acq: 15 Oct 2019 17:12

Tgt Ion: 105 Resp: 729447

Ion Ratio Lower Upper

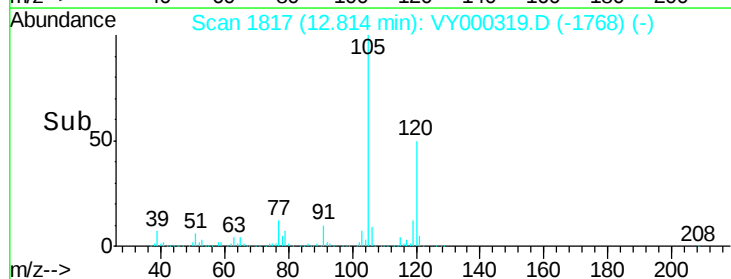
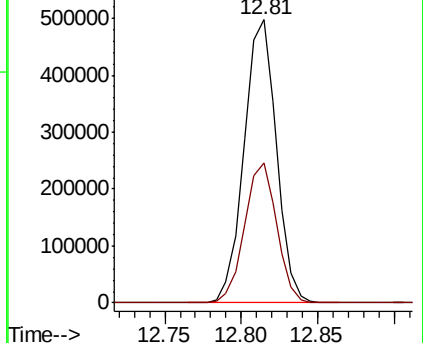
105 100

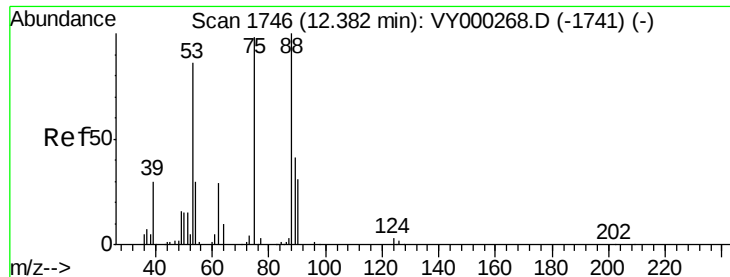
120 49.3 24.9 74.8



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

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





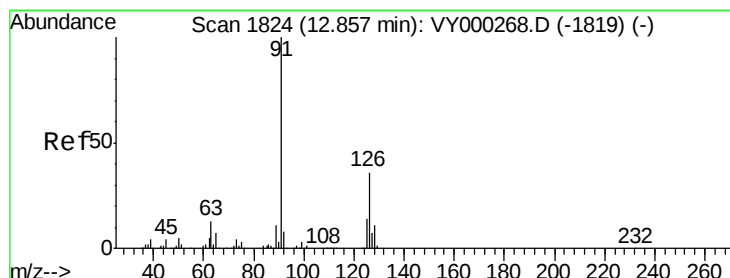
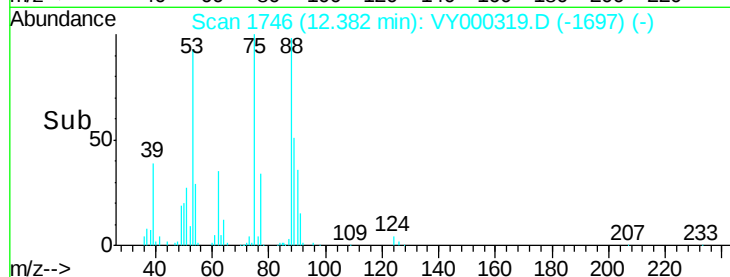
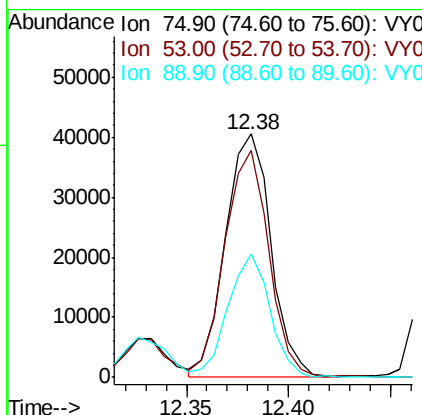
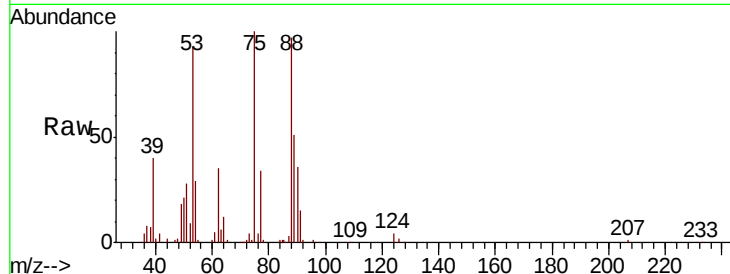
#81
trans-1,4-Dichloro-2-butene
Concen: 48.012 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	71.3	106.9
89	47.4	35.1	52.7

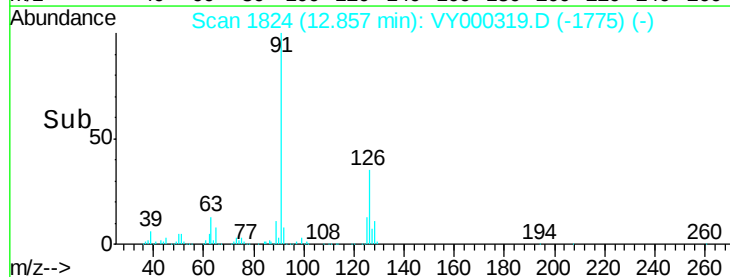
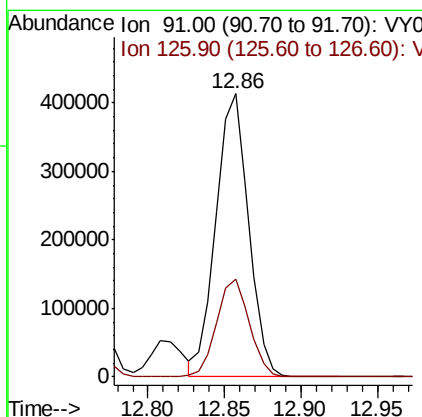
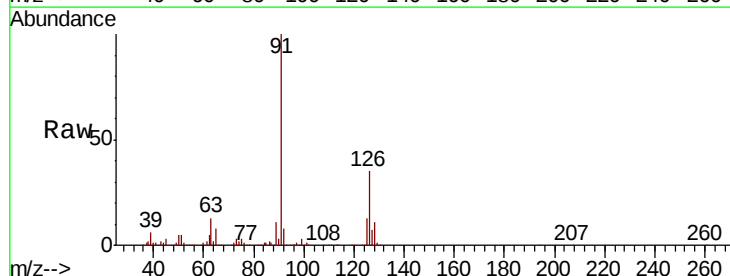
Manual Integrations
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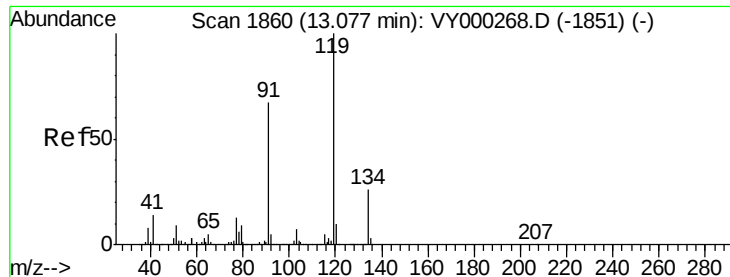
MMDadoda
10/18/2019 12:40:27 AM



#82
4-Chlorotoluene
Concen: 48.586 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.2	51.5





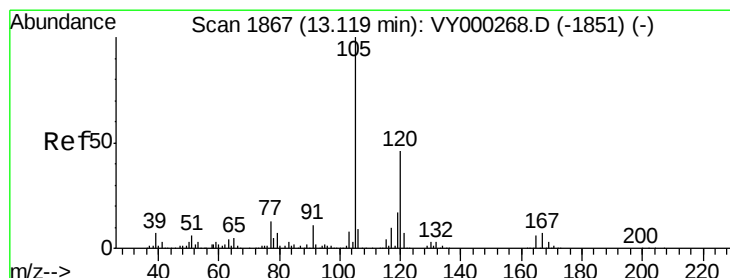
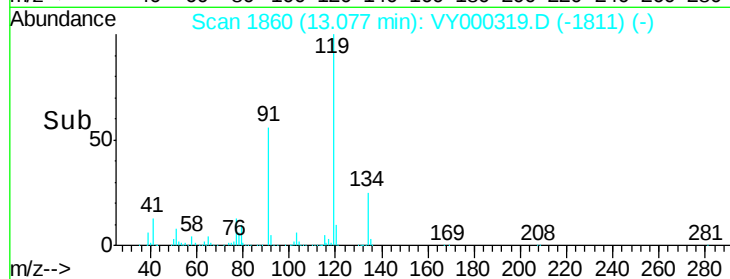
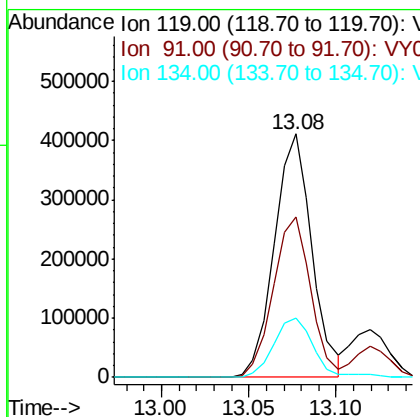
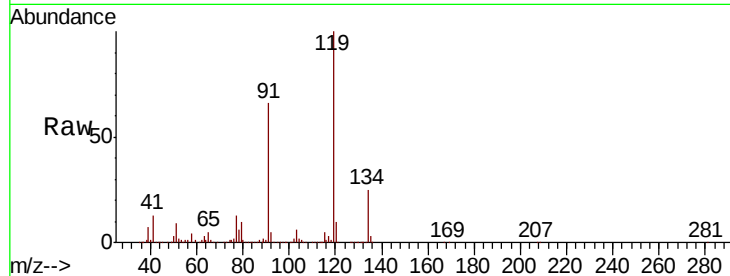
#83
tert-Butylbenzene
Concen: 48.093 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	32.9	98.7
134	26.2	13.3	39.8

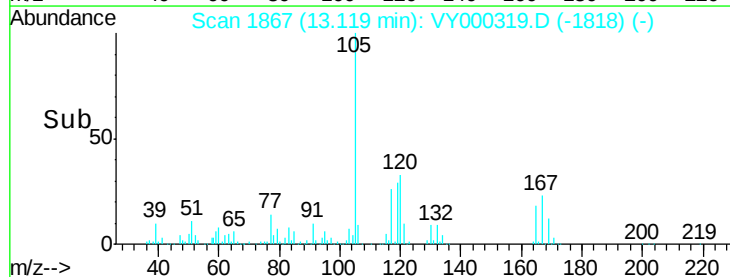
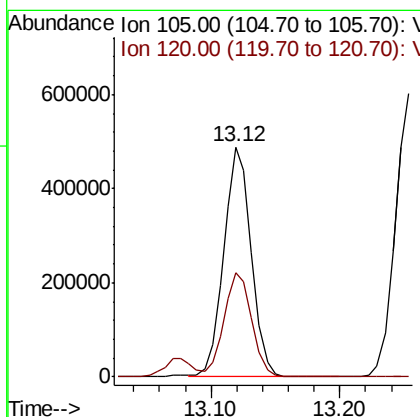
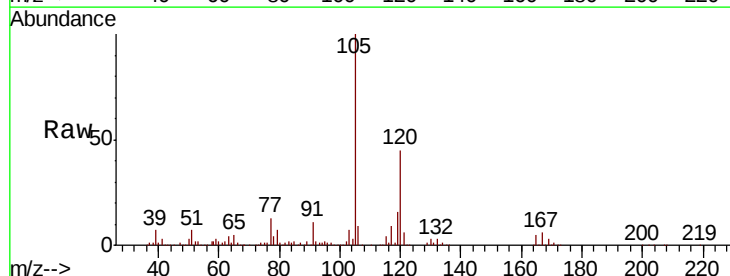
Manual Integrations
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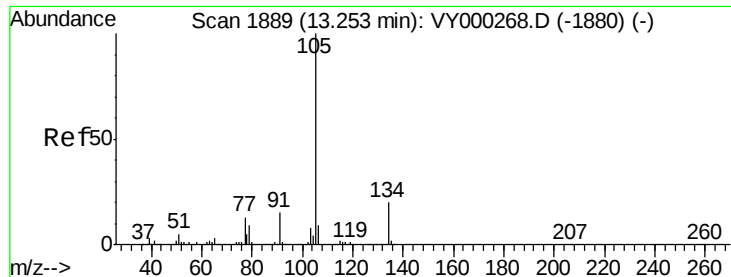
MMDadoda
10/18/2019 12:40:27 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.877 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.396 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 893088

Ion Ratio Lower Upper

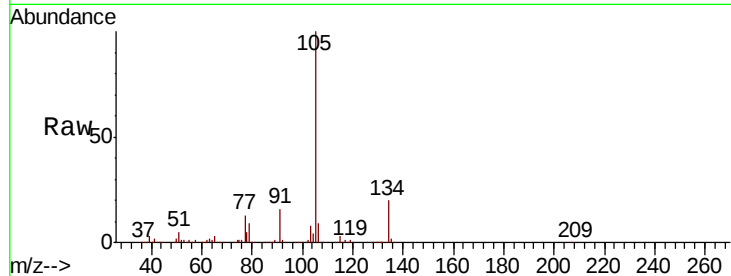
105 100

134 20.0 10.1 30.1

Manual Integrations
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10/18/2019 12:40:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

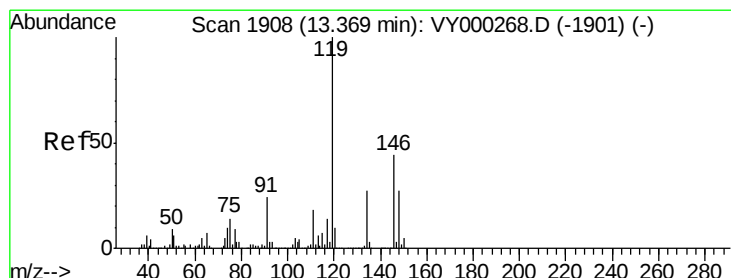
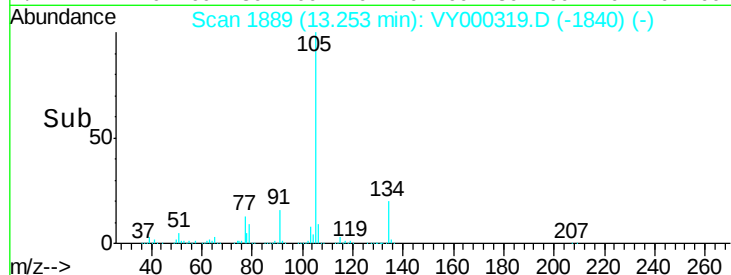
600000

400000

200000

0

Time--> 13.15 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 49.441 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

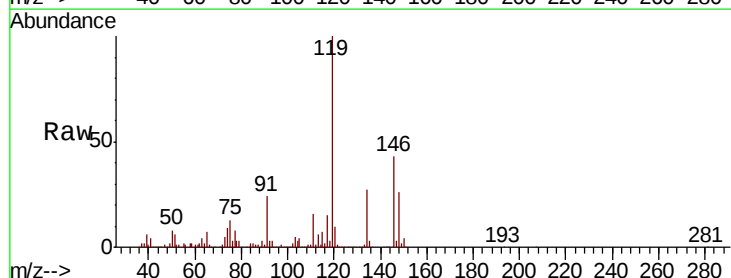
Tgt Ion:119 Resp: 795423

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 23.8 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

13.37

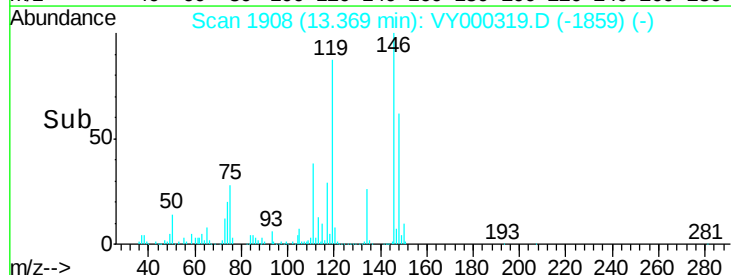
600000

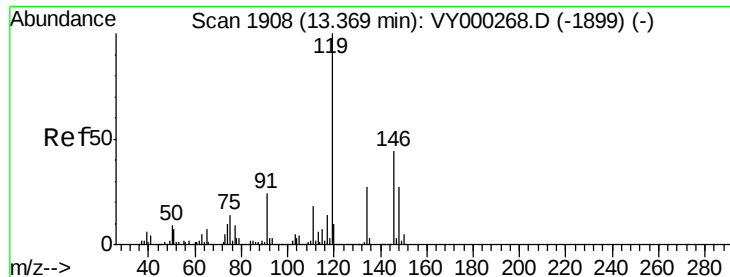
400000

200000

0

Time--> 13.30 13.35 13.40





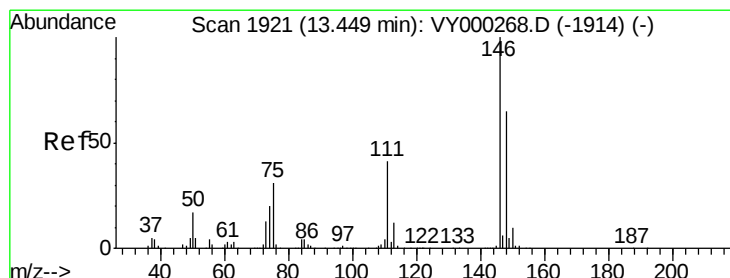
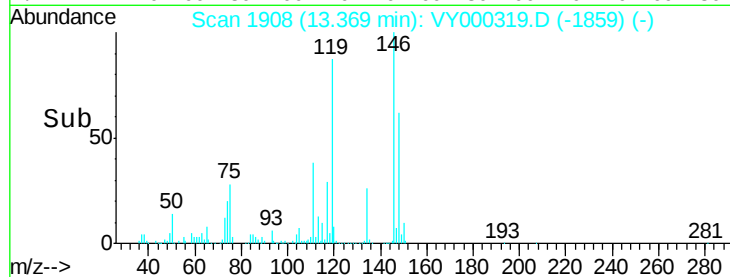
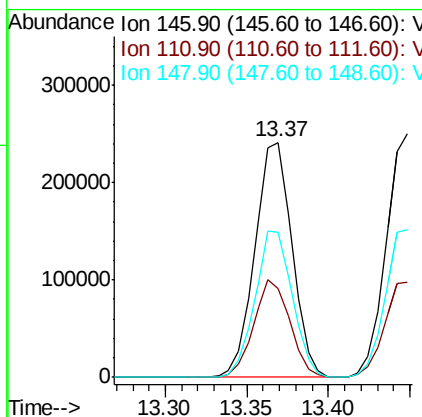
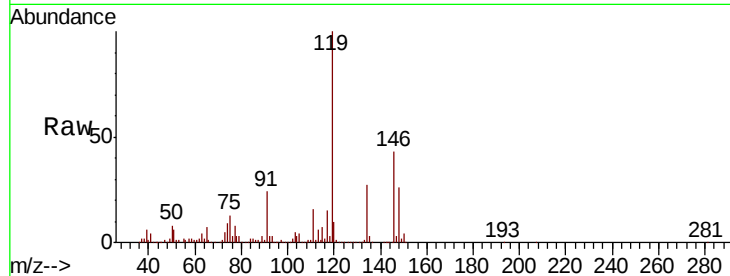
#87
 1,3-Dichlorobenzene
 Concen: 48.332 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	62.7	31.9	95.5

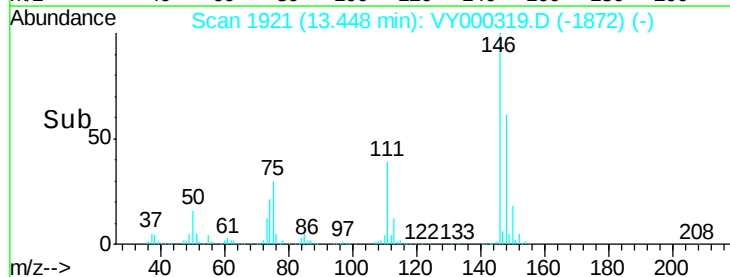
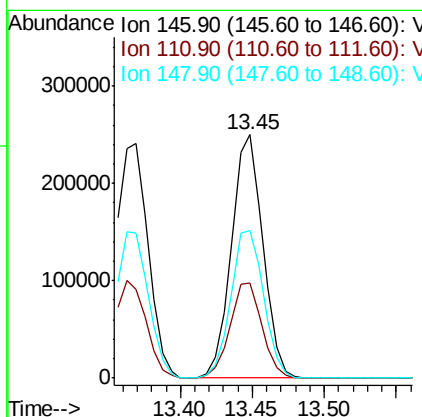
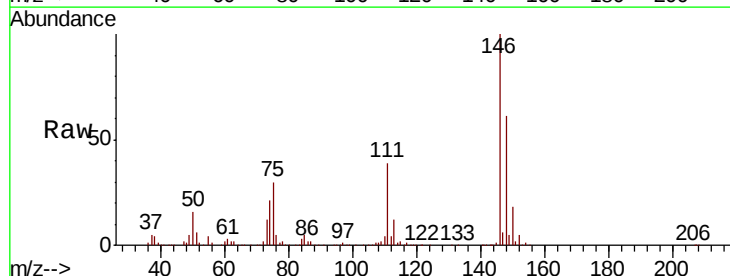
Manual Integrations
 APPROVED

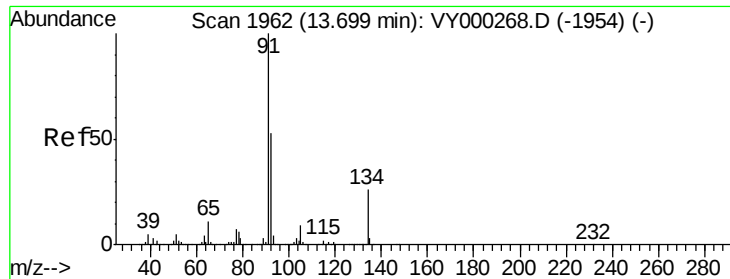
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#88
 1,4-Dichlorobenzene
 Concen: 48.411 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.6	32.4	97.2





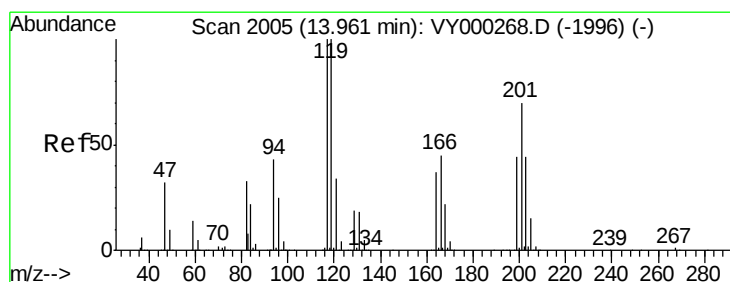
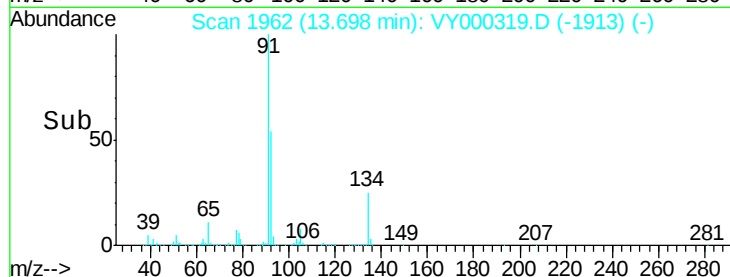
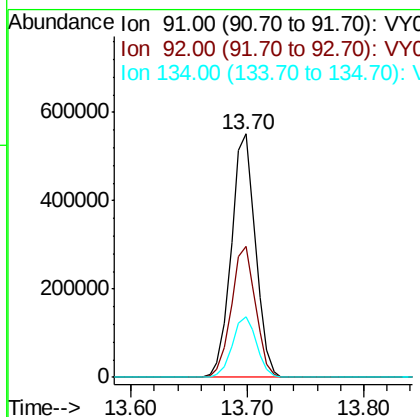
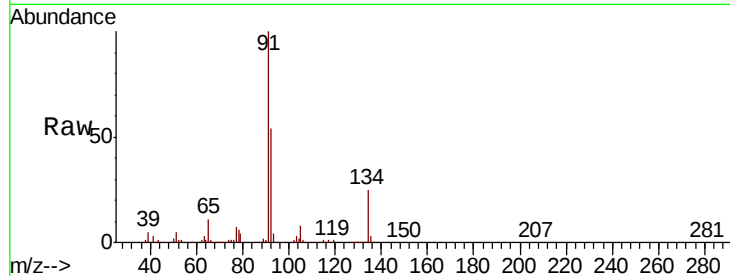
#89
n-Butylbenzene
Concen: 49.996 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.1
134	25.1	13.0	38.9

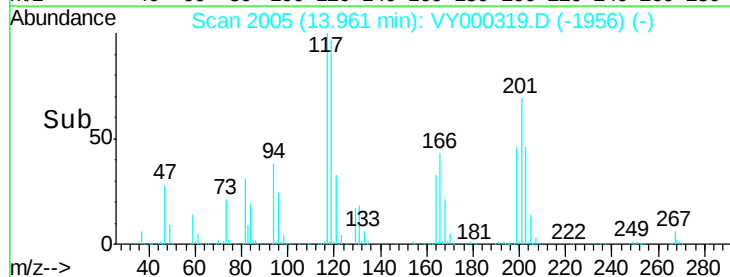
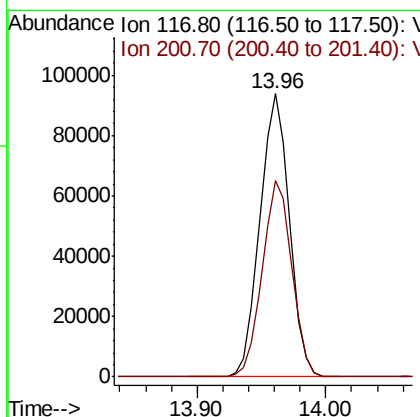
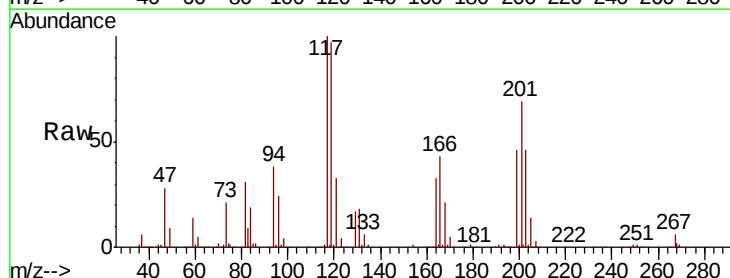
Manual Integrations
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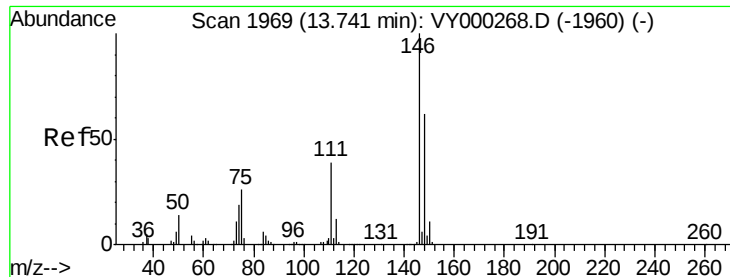
MMDadoda
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#90
Hexachloroethane
Concen: 49.778 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	36.3	108.7





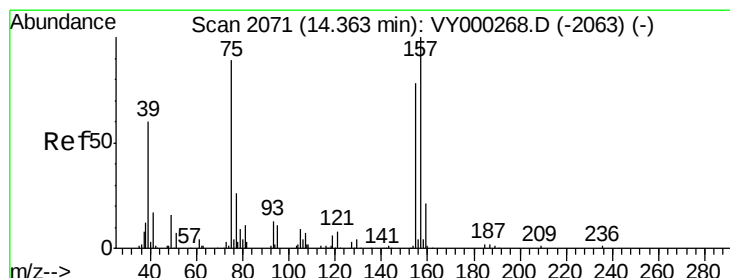
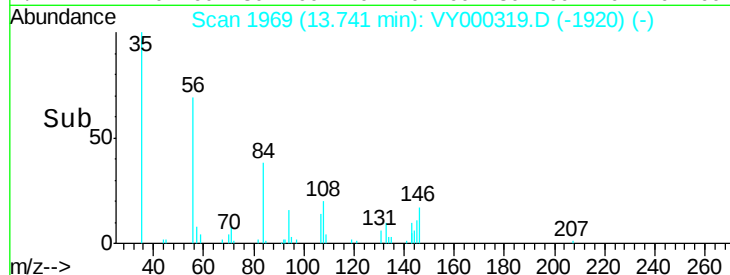
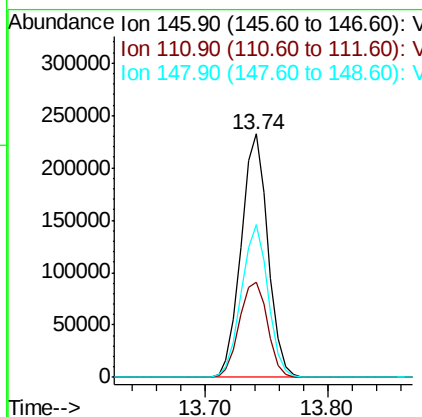
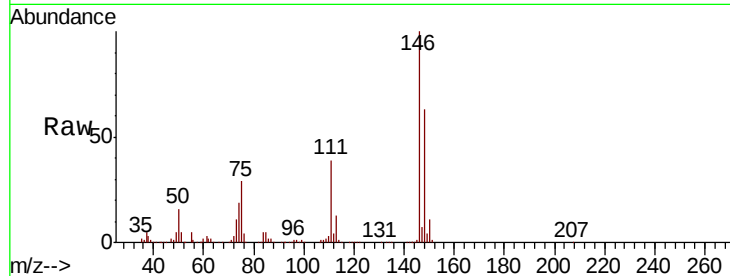
#91
 1,2-Dichlorobenzene
 Concen: 49.228 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	62.9	31.6	95.0

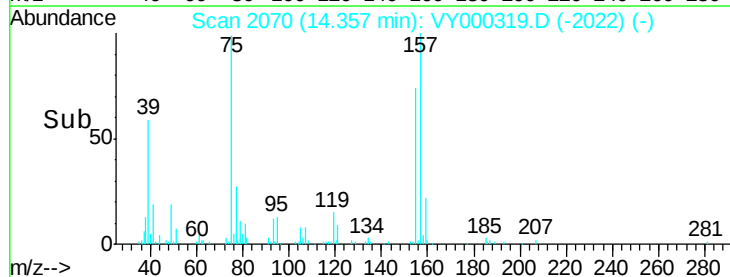
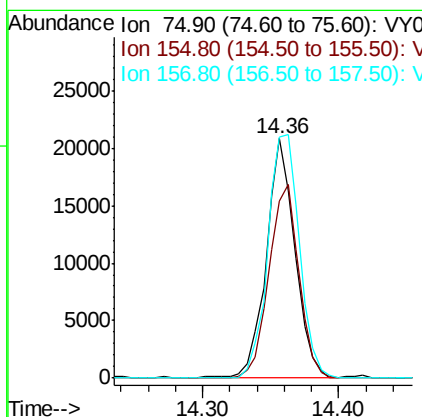
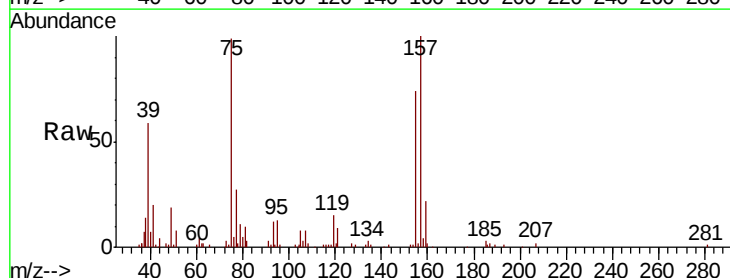
Manual Integrations
 APPROVED

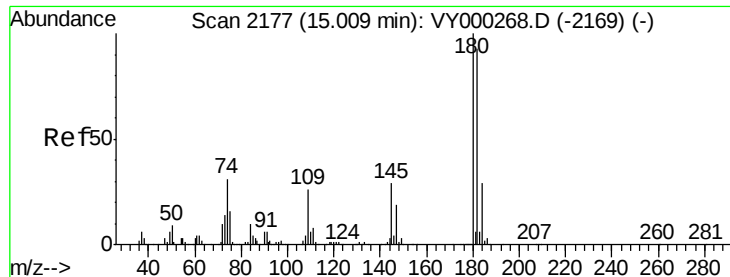
MMDadoda
 10/18/2019 12:40:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.310 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	45.8	137.3
157	111.2	55.6	166.9





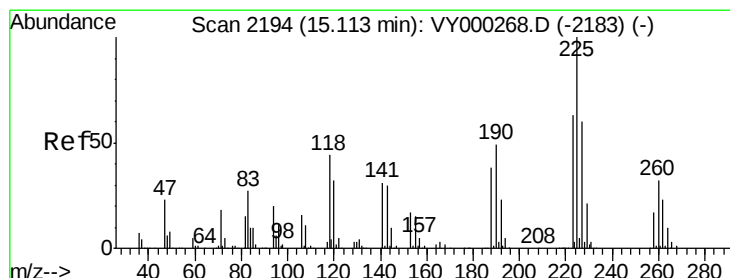
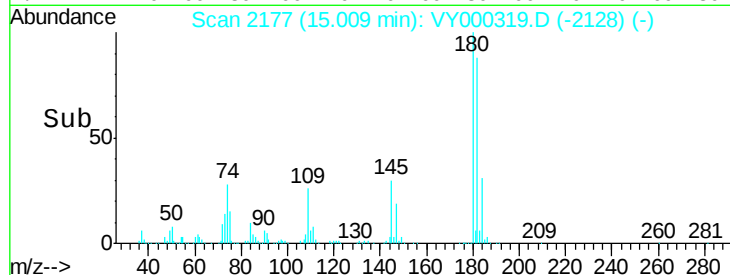
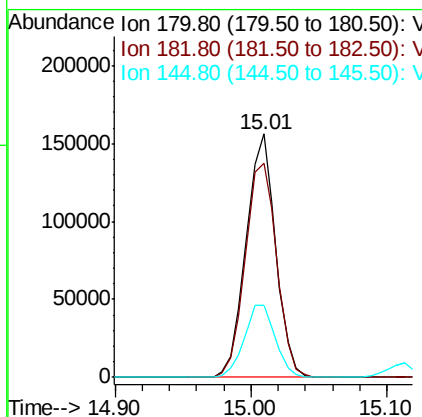
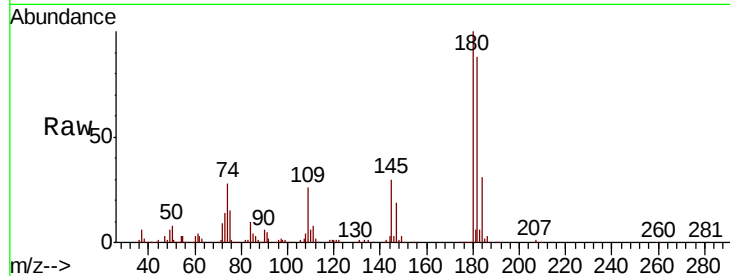
#93
 1,2,4-Trichlorobenzene
 Concen: 47.830 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237364		
182	93.8	47.5	142.6	
145	31.3	15.4	46.1	

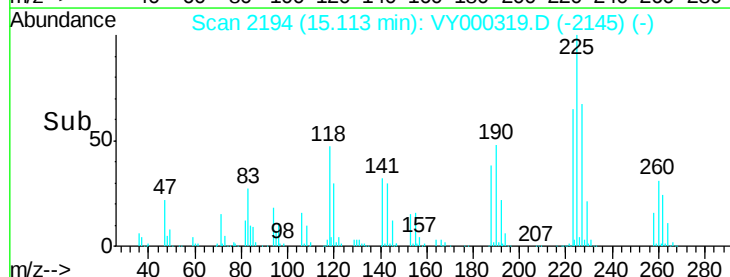
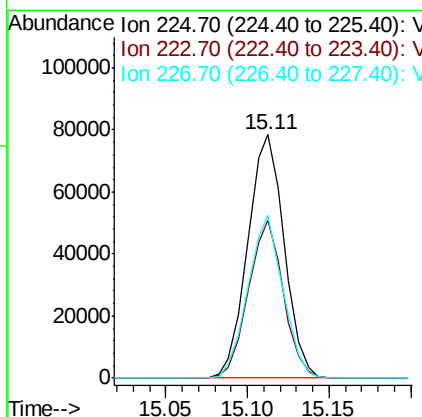
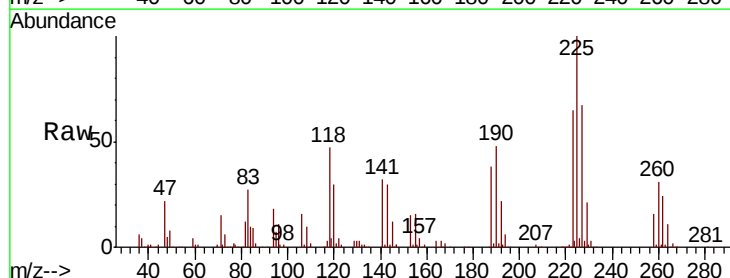
Manual Integrations
 APPROVED

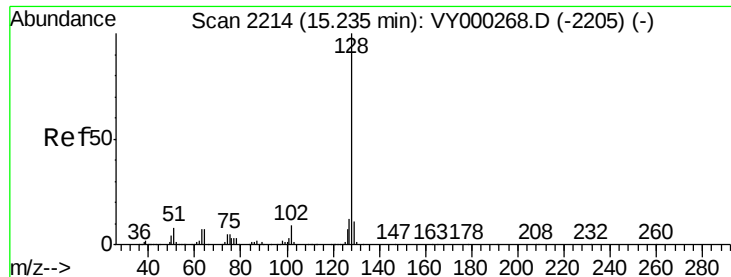
MMDadoda
 10/18/2019 12:40:27 AM



#94
 Hexachlorobutadiene
 Concen: 45.344 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121776		
223	61.9	31.9	95.7	
227	64.2	31.4	94.2	





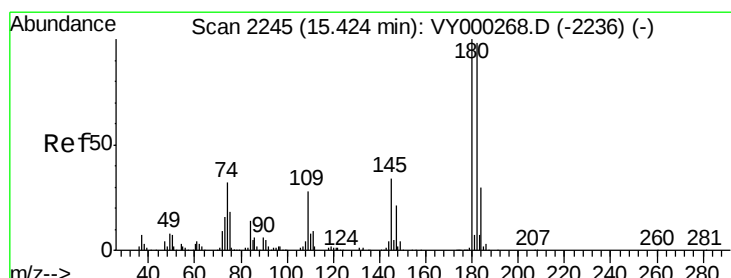
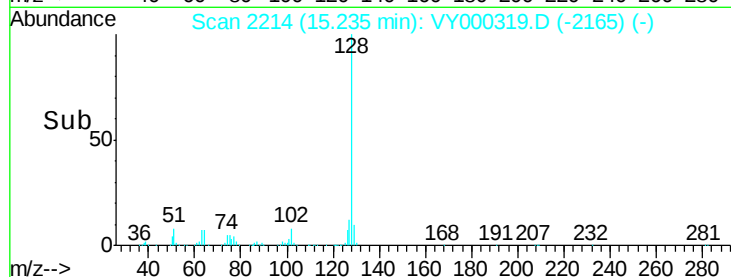
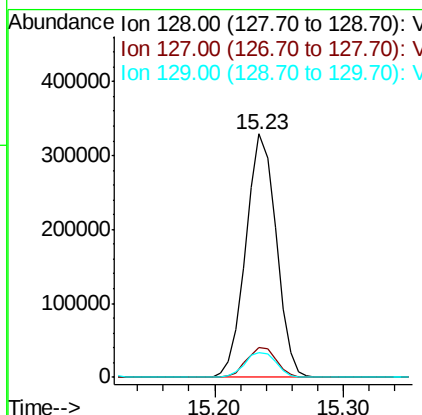
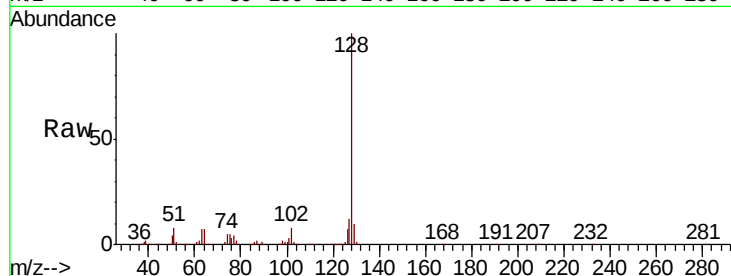
#95
Naphthalene
Concen: 48.385 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.6	14.4
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:40:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.852 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.5	139.5
145	32.9	16.2	48.5

