

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000321.D
 Acq On : 16 Oct 2019 11:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:50:33 AM

Quant Time: Oct 17 01:40:06 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	315211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	533861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	479740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	238827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	178727	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.73	113	162577	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.19	98	676371	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.49	95	244550	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	121835	48.833	ug/l	100
3) Chloromethane	2.12	50	170644	44.303	ug/l	96
4) Vinyl Chloride	2.26	62	188906	48.596	ug/l	97
5) Bromomethane	2.65	94	126890	44.045	ug/l	99
6) Chloroethane	2.80	64	125802	50.157	ug/l	99
7) Trichlorofluoromethane	3.13	101	267732	50.351	ug/l	98
8) Diethyl Ether	3.54	74	98834	52.614	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	169782	52.650	ug/l	96
10) Methyl Iodide	4.09	142	231770	50.448	ug/l	99
11) Tert butyl alcohol	4.97	59	81924	235.439	ug/l	99
12) 1,1-Dichloroethene	3.88	96	164813	51.770	ug/l	96
13) Acrolein	3.74	56	115084	282.104	ug/l	100
14) Allyl chloride	4.49	41	282532	53.553	ug/l	96
15) Acrylonitrile	5.18	53	266416	253.388	ug/l	98
16) Acetone	3.96	43	252514	234.510	ug/l	100
17) Carbon Disulfide	4.20	76	487219	48.608	ug/l	99
18) Methyl Acetate	4.49	43	127429	47.631	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	478221	53.961	ug/l	99
20) Methylene Chloride	4.73	84	187176	51.786	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	184564	50.531	ug/l	93
22) Diisopropyl ether	6.13	45	621878	55.733	ug/l	99
23) Vinyl Acetate	6.07	43	1991633	273.595	ug/l	99
24) 1,1-Dichloroethane	6.03	63	325758	53.485	ug/l	100
25) 2-Butanone	7.00	43	399123	263.130	ug/l	99
26) 2,2-Dichloropropane	6.99	77	295570	52.665	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	210284	53.206	ug/l	98
28) Bromochloromethane	7.35	49	142267	54.412	ug/l	99
29) Tetrahydrofuran	7.36	42	232806	253.255	ug/l	99
30) Chloroform	7.52	83	330704	53.916	ug/l	100
31) Cyclohexane	7.79	56	318866	50.126	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	292894	53.712	ug/l	99
36) 1,1-Dichloropropene	7.93	75	261167	49.966	ug/l	99
37) Ethyl Acetate	7.08	43	158680	51.271	ug/l	98
38) Carbon Tetrachloride	7.91	117	251861	49.767	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	339260	49.593	ug/l	97
40) Benzene	8.17	78	759120	50.256	ug/l	98
41) Methacrylonitrile	7.33	41	82046m	55.693	ug/l	
42) 1,2-Dichloroethane	8.25	62	217979	50.520	ug/l	100
43) Isopropyl Acetate	8.28	43	303433	51.563	ug/l	99
44) Trichloroethene	8.95	130	204683	48.294	ug/l	98
45) 1,2-Dichloropropane	9.22	63	192336	51.887	ug/l	91
46) Dibromomethane	9.32	93	107193	51.730	ug/l	95
47) Bromodichloromethane	9.50	83	257300	52.688	ug/l	97
48) Methyl methacrylate	9.30	41	134031	51.970	ug/l	97
49) 1,4-Dioxane	9.31	88	28705	923.890	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	797114	262.625	ug/l	98
52) Toluene	10.25	92	495709	51.690	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	282442	53.966	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	313544	52.754	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	158020	52.448	ug/l	99
56) Ethyl methacrylate	10.52	69	235831	54.916	ug/l	100
57) 1,3-Dichloropropane	10.80	76	272428	52.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	418719	244.449	ug/l	97
59) 2-Hexanone	10.84	43	609040	285.875	ug/l	98
60) Dibromochloromethane	10.99	129	178763	53.531	ug/l	98
61) 1,2-Dibromoethane	11.10	107	149830	51.793	ug/l	100
64) Tetrachloroethene	10.72	164	218695	47.884	ug/l	97
65) Chlorobenzene	11.52	112	513285	50.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	185323	52.107	ug/l	99
67) Ethyl Benzene	11.60	91	967519	51.549	ug/l	98
68) m/p-Xylenes	11.71	106	729442	101.664	ug/l	96
69) o-Xylene	12.03	106	344630	50.350	ug/l	97
70) Styrene	12.05	104	607718	52.646	ug/l	100
71) Bromoform	12.21	173	108643	53.138	ug/l #	99
73) Isopropylbenzene	12.33	105	953075	51.179	ug/l	100
74) N-amyl acetate	12.14	43	283497	62.011	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	187227	53.548	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	123571m	42.077	ug/l	
77) Bromobenzene	12.61	156	205894	49.687	ug/l	97
78) n-propylbenzene	12.67	91	1146789	51.290	ug/l	100
79) 2-Chlorotoluene	12.76	91	636352	51.535	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	793908	50.842	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70898	52.821	ug/l	95
82) 4-Chlorotoluene	12.86	91	675629	51.763	ug/l	100
83) tert-Butylbenzene	13.08	119	664527	50.253	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	793167	51.466	ug/l	100
85) sec-Butylbenzene	13.25	105	989468	51.725	ug/l	100
86) p-Isopropyltoluene	13.37	119	864947	51.864	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	414140	50.724	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	419588	51.416	ug/l	98
89) n-Butylbenzene	13.70	91	869310	52.747	ug/l	99
90) Hexachloroethane	13.96	117	163045	52.796	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	379290	51.333	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	32992	49.752	ug/l	95

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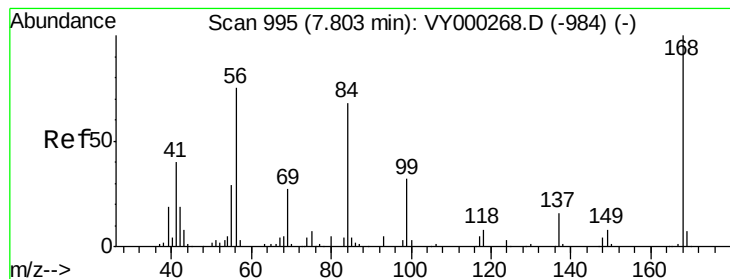
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	259610	50.465	ug/l	99
94) Hexachlorobutadiene	15.11	225	133685	48.020	ug/l	99
95) Naphthalene	15.24	128	582199	50.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	231477	49.927	ug/l	99

(#) = 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: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 315211

Ion Ratio Lower Upper

168 100

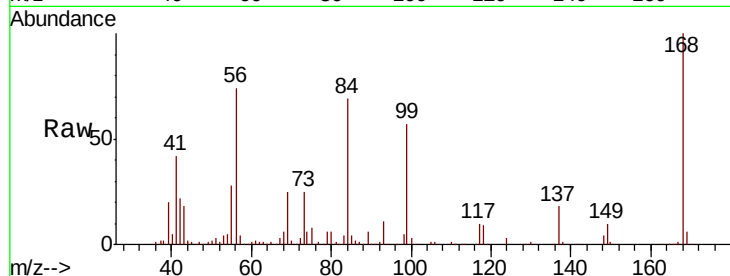
99 57.5 46.6 69.8

Manual Integrations

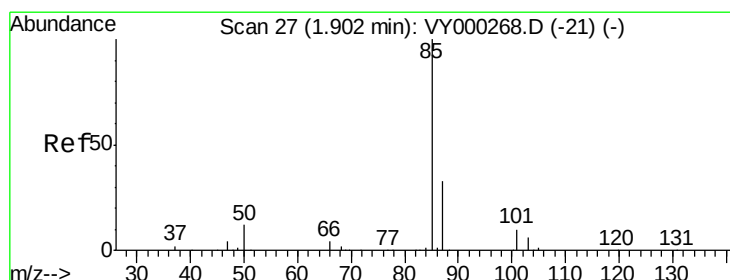
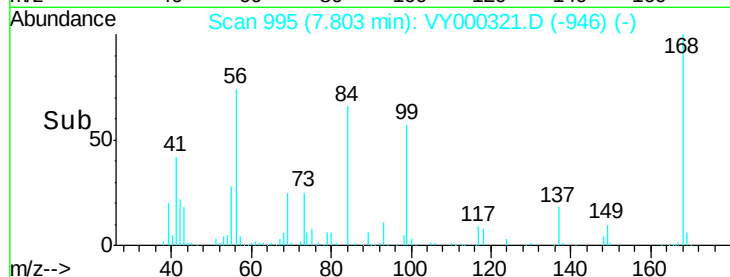
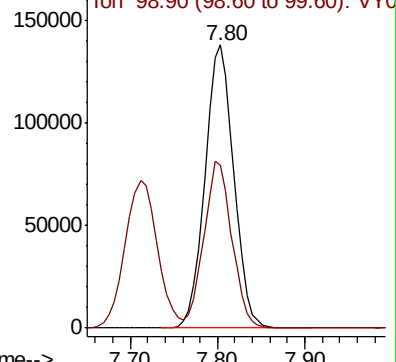
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Abundance Ion 167.90 (167.60 to 168.60): VY000321.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 48.833 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000321.D

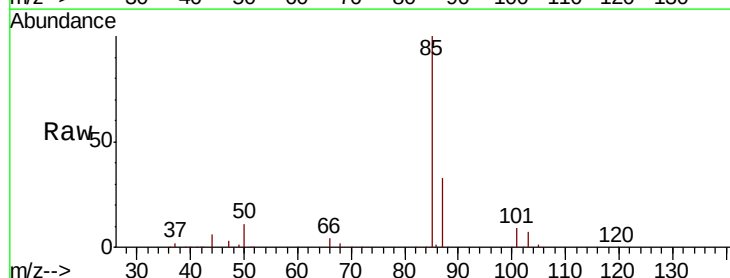
Acq: 16 Oct 2019 11:28

Tgt Ion: 85 Resp: 121835

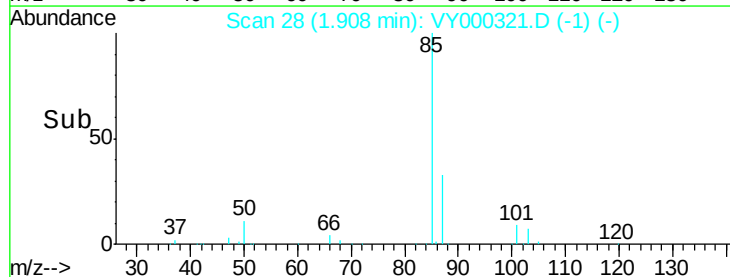
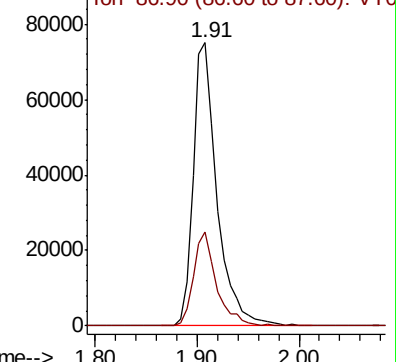
Ion Ratio Lower Upper

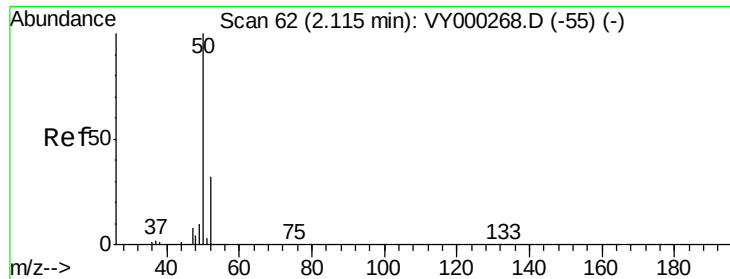
85 100

87 33.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000321.D (-1) (-)





#3

Chloromethane

Concen: 44.303 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 170644

Ion Ratio Lower Upper

50 100

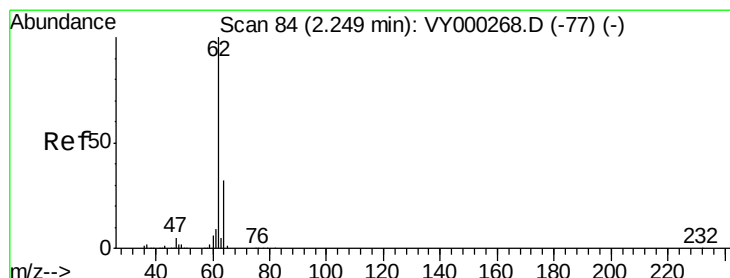
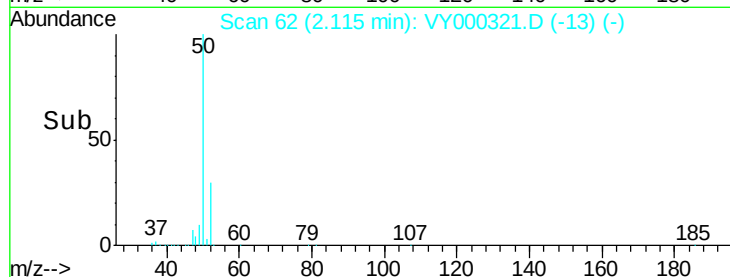
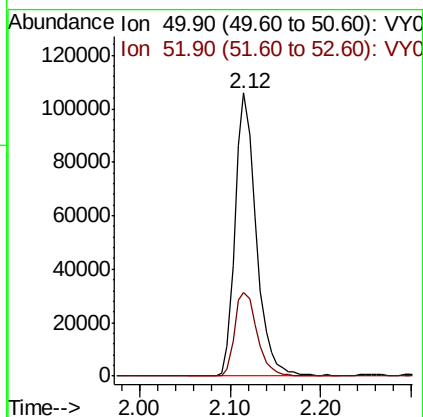
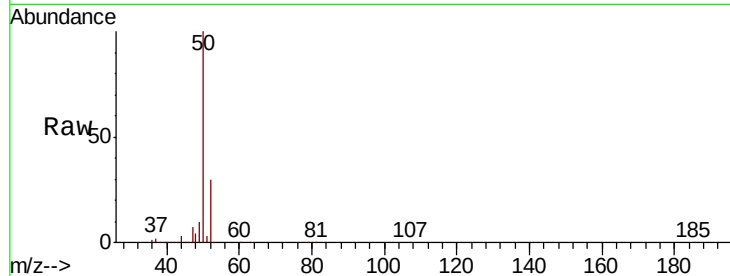
52 29.6 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.596 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000321.D

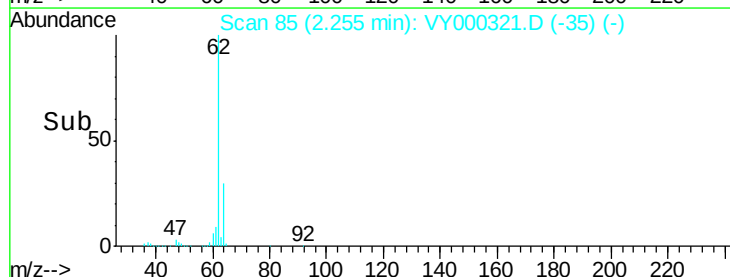
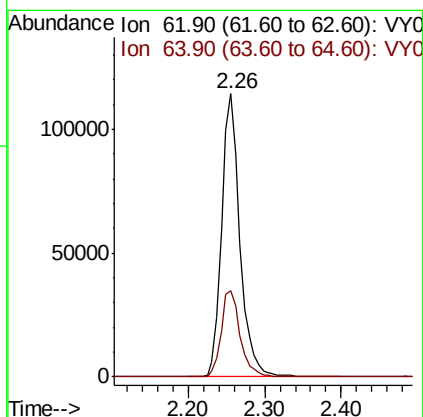
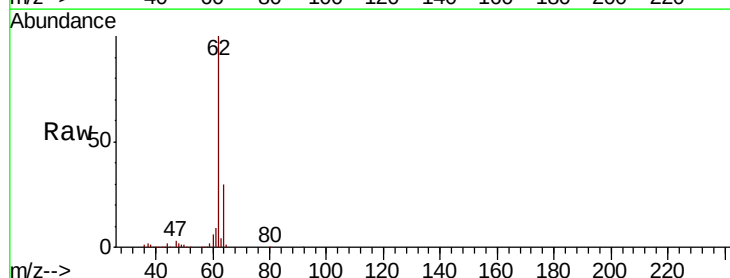
Acq: 16 Oct 2019 11:28

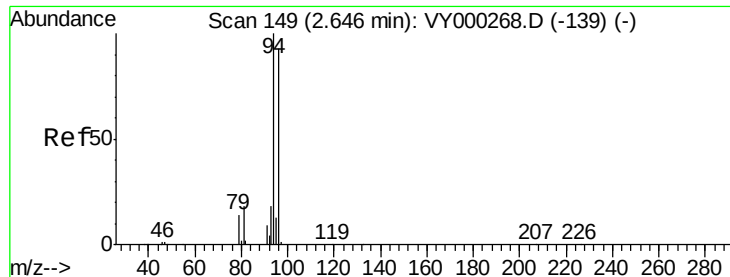
Tgt Ion: 62 Resp: 188906

Ion Ratio Lower Upper

62 100

64 30.4 25.6 38.4





#5

Bromomethane

Concen: 44.045 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 126890

Ion Ratio Lower Upper

94 100

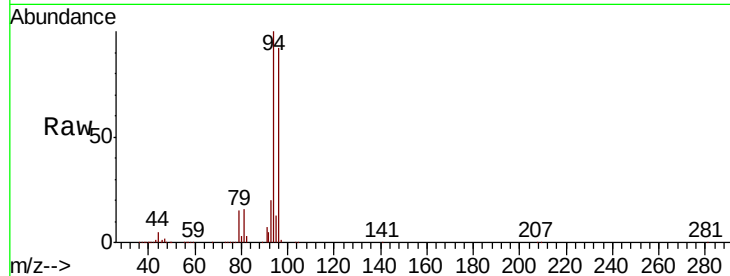
96 92.2 74.2 111.2

Manual Integrations

APPROVED

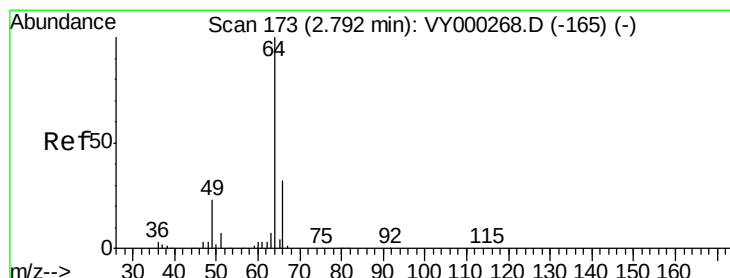
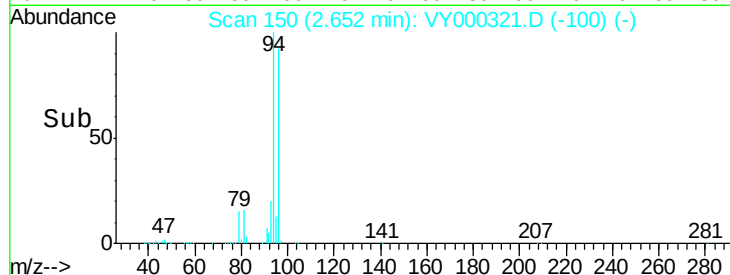
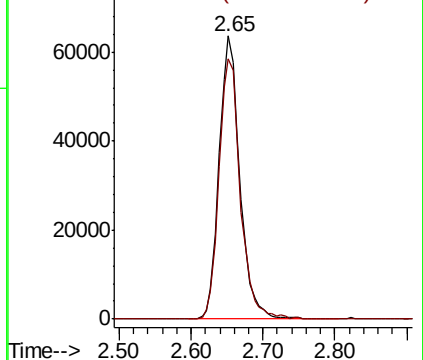
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10/18/2019 12:50:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.157 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000321.D

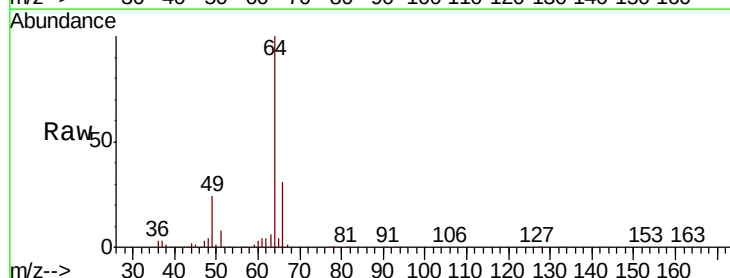
Acq: 16 Oct 2019 11:28

Tgt Ion: 64 Resp: 125802

Ion Ratio Lower Upper

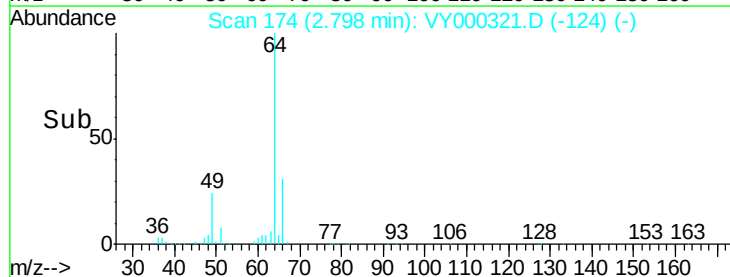
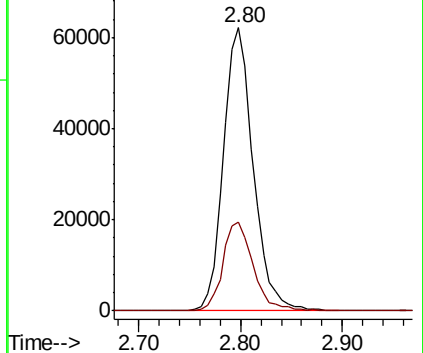
64 100

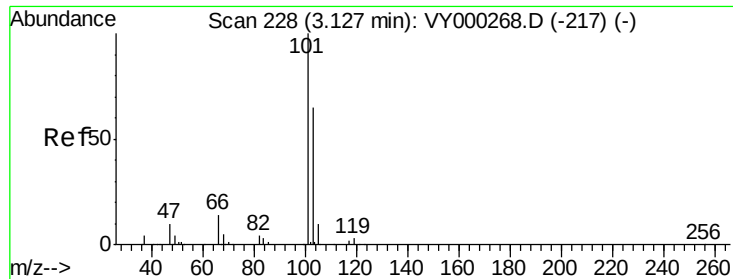
66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

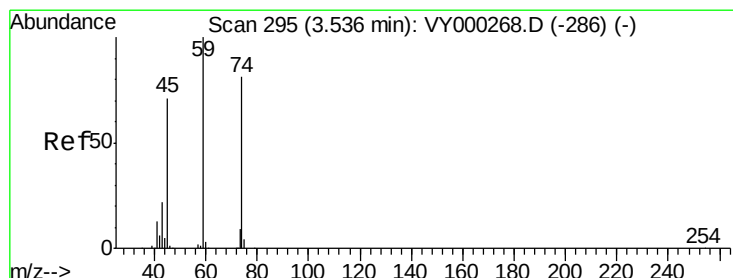
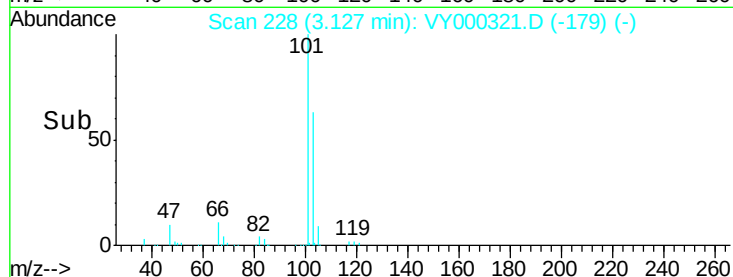
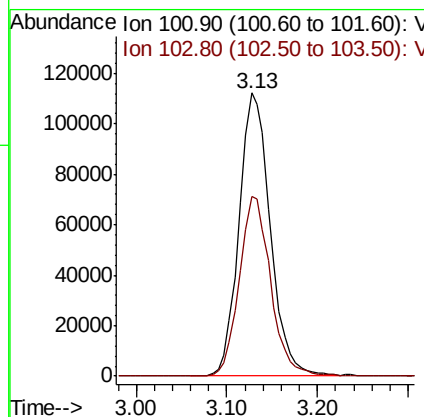
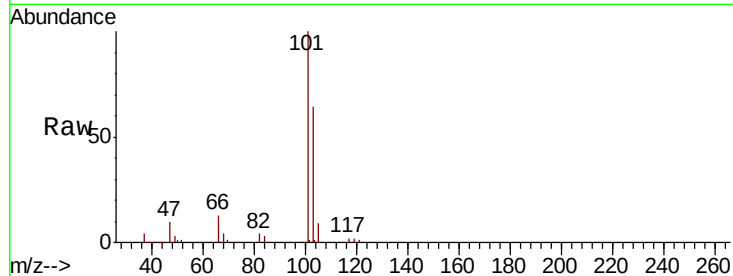
Trichlorofluoromethane
 Concen: 50.351 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.4

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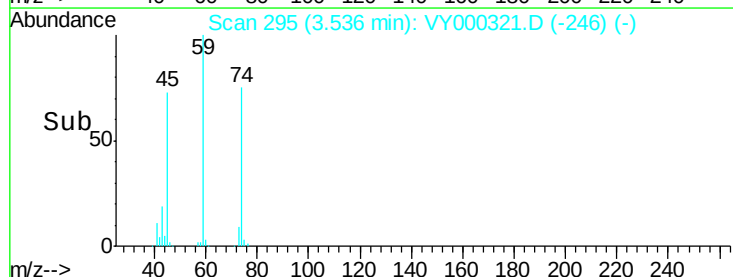
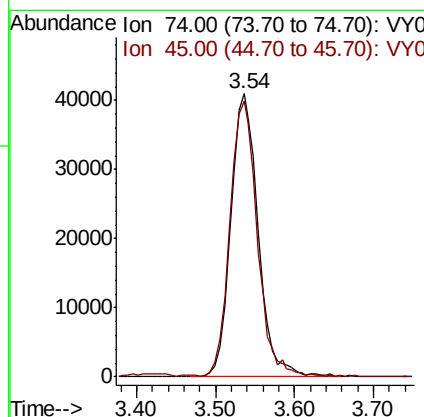
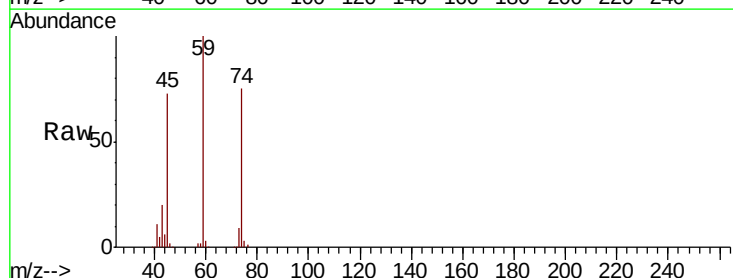
MMDadoda
 10/18/2019 12:50:33 AM

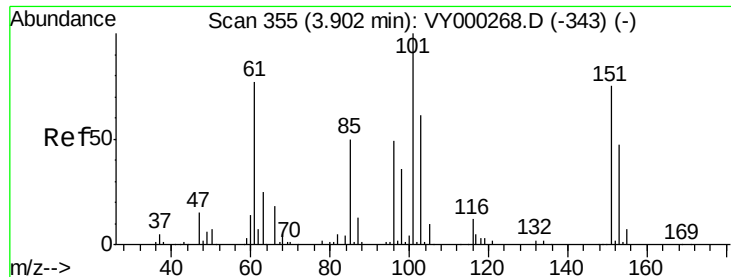


#8

Diethyl Ether
 Concen: 52.614 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000321.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.1	141.4





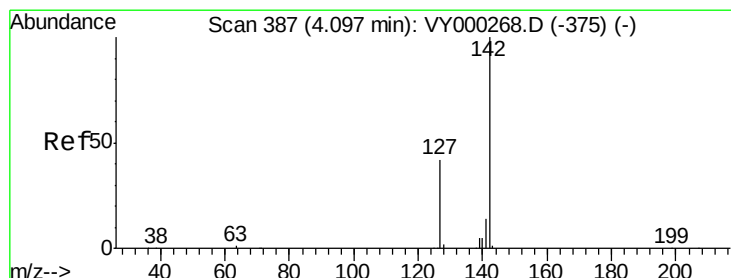
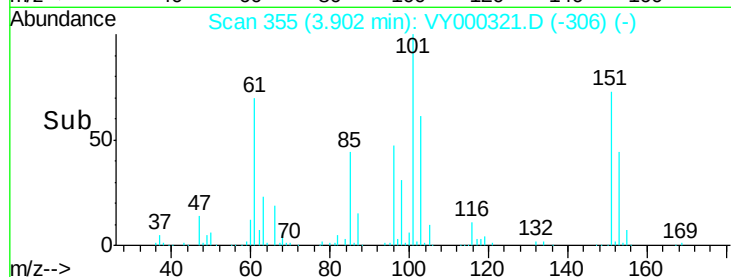
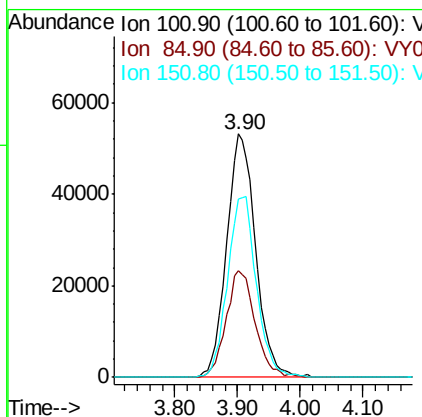
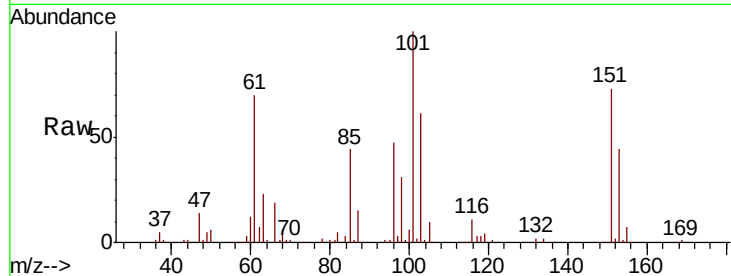
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.650 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	169782		
85	44.0	36.6	55.0	
151	74.2	63.1	94.7	

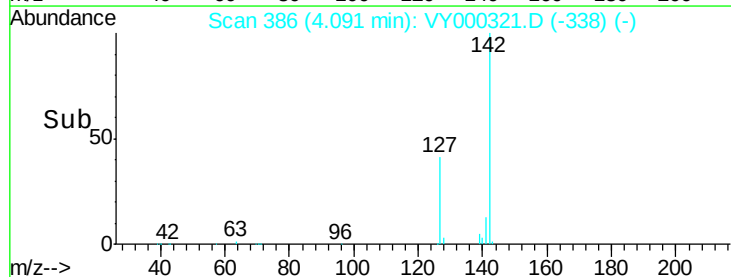
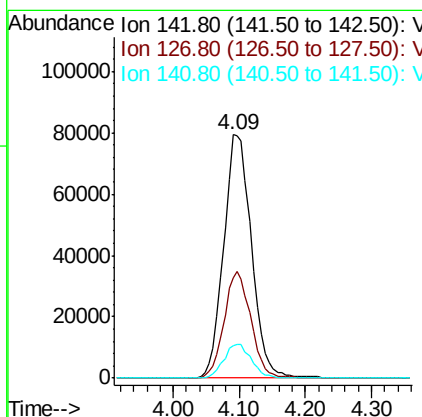
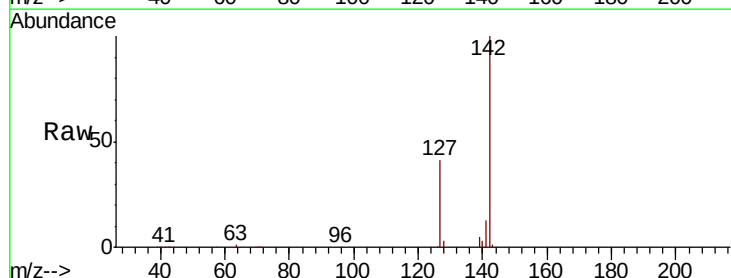
Manual Integrations
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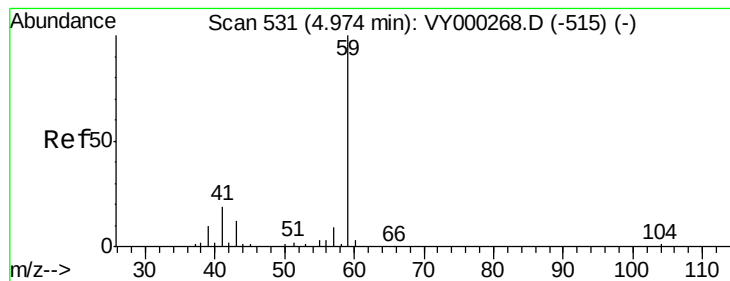
MMDadoda
 10/18/2019 12:50:33 AM



#10
 Methyl Iodide
 Concen: 50.448 ug/l
 RT: 4.09 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	231770		
127	42.0	33.9	50.9	
141	13.7	11.2	16.8	





#11

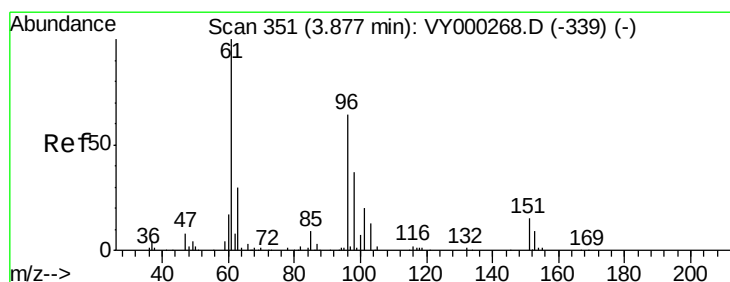
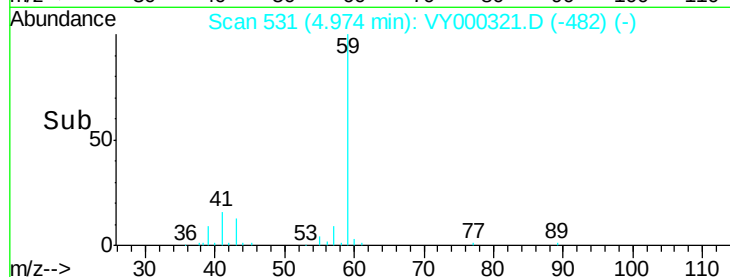
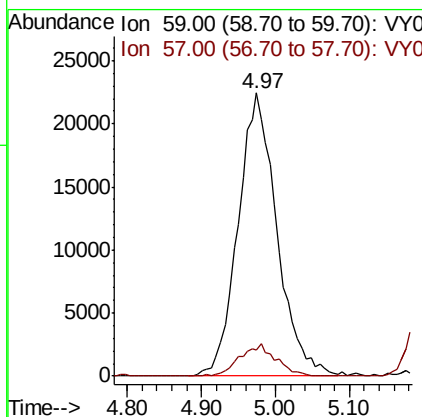
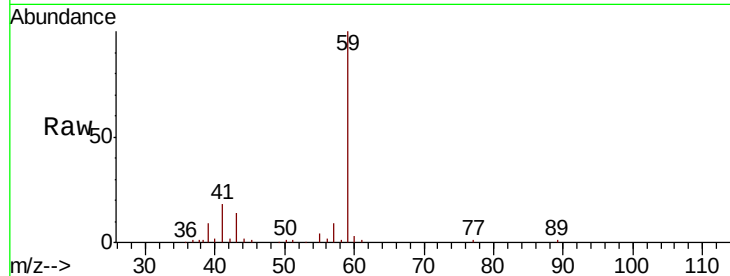
Tert butyl alcohol
 Concen: 235.439 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	81924		
57	57	10.6		8.2	12.2

Manual Integrations
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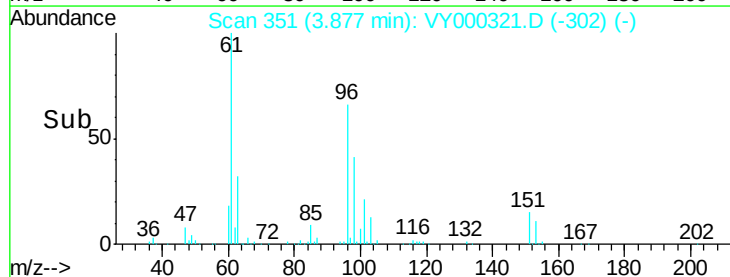
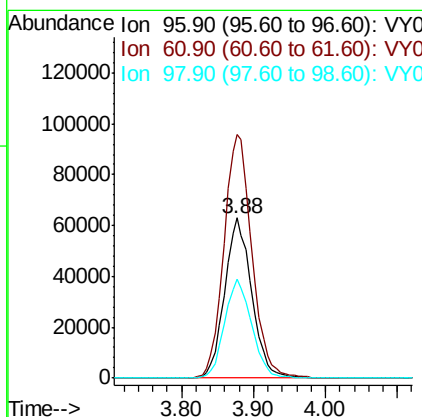
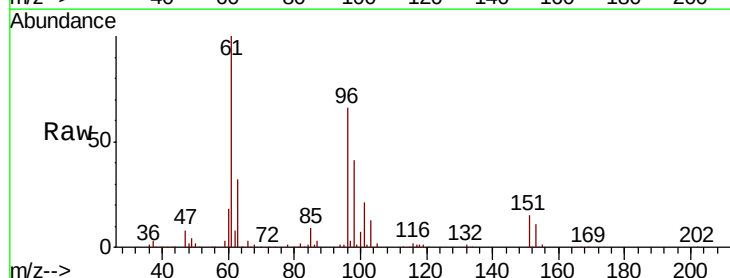
MMDadoda
 10/18/2019 12:50:33 AM

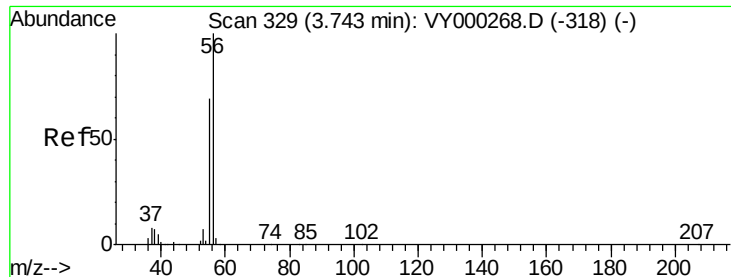


#12

1,1-Dichloroethene
 Concen: 51.770 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	164813		
61	61	152.1		125.8	188.6
98	98	61.8		46.2	69.2





#13

Acrolein

Concen: 282.104 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 115084

Ion Ratio Lower Upper

56 100

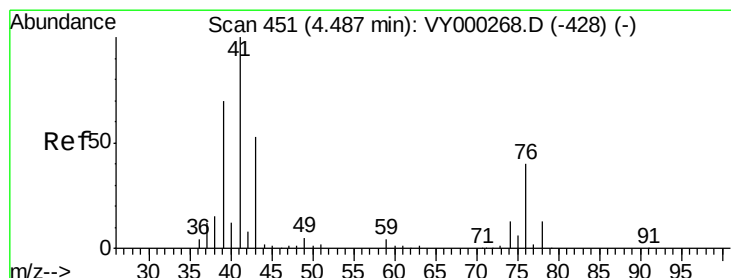
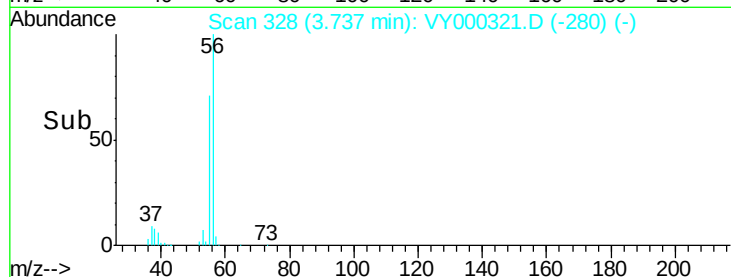
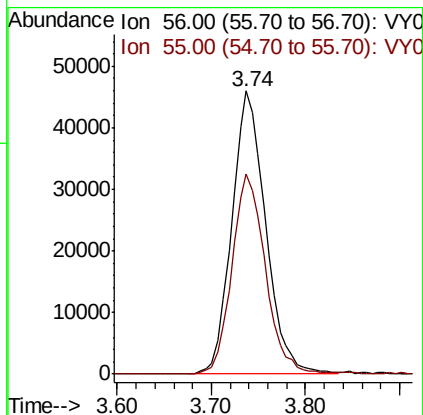
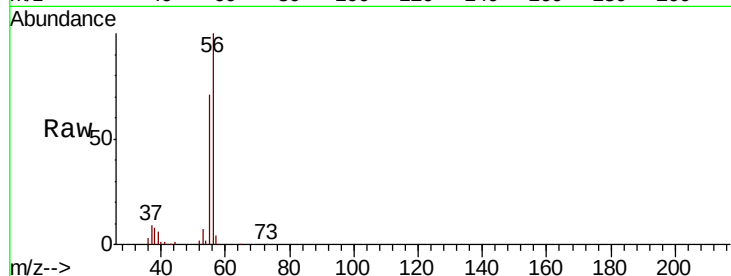
55 69.9 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 53.553 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

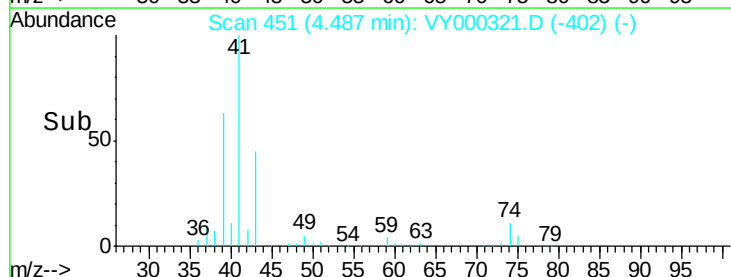
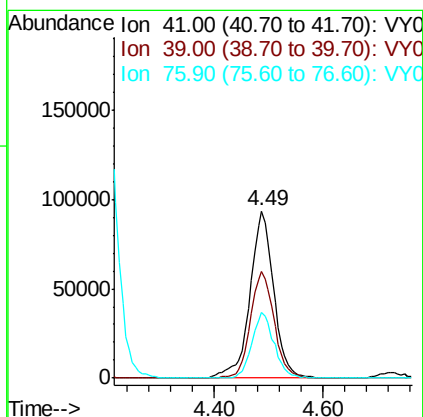
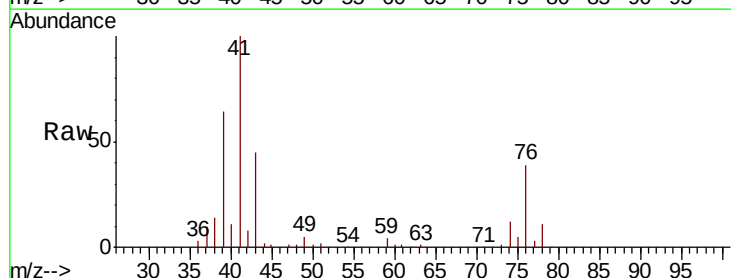
Tgt Ion: 41 Resp: 282532

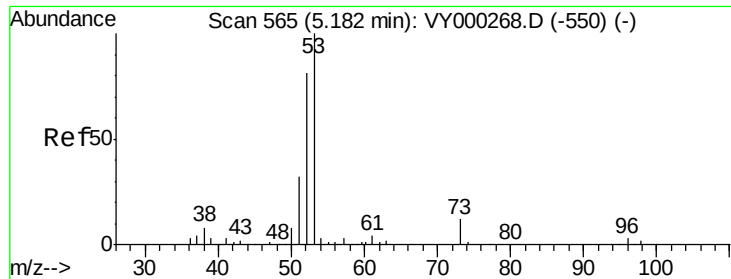
Ion Ratio Lower Upper

41 100

39 63.5 54.0 81.0

76 36.6 30.7 46.1





#15

Acrylonitrile

Concen: 253.388 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

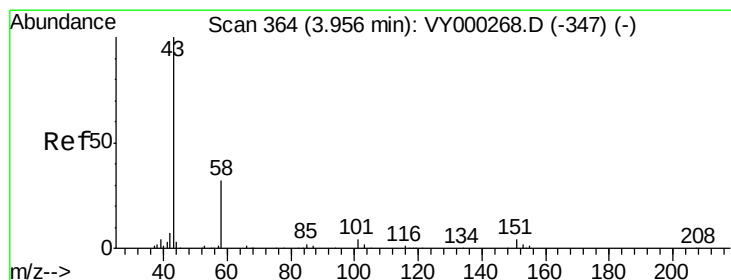
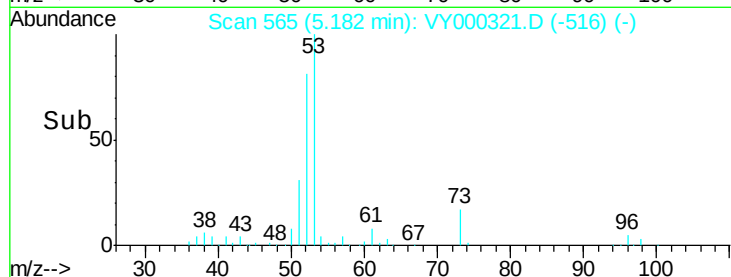
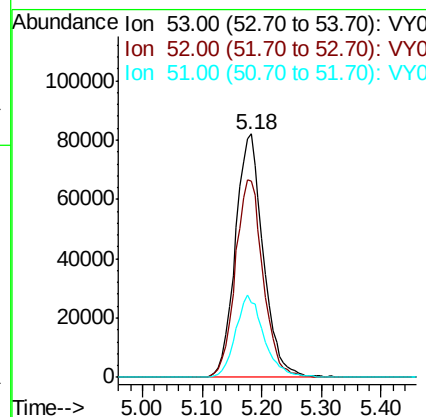
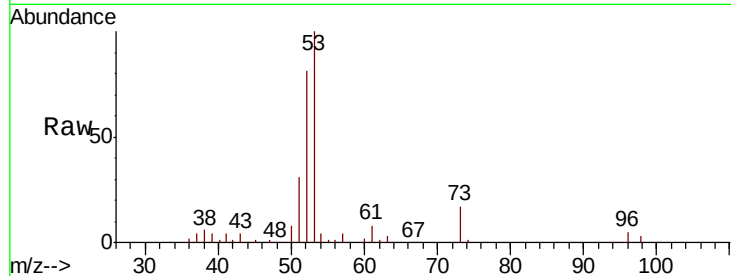
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	266416
Ion Ratio	Lower	Upper	
53	100		
52	80.9	62.9	94.3
51	34.3	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 234.510 ug/l

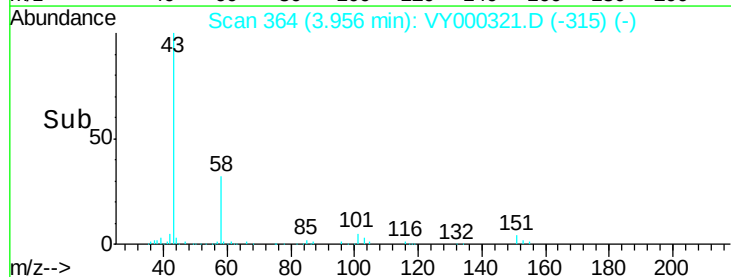
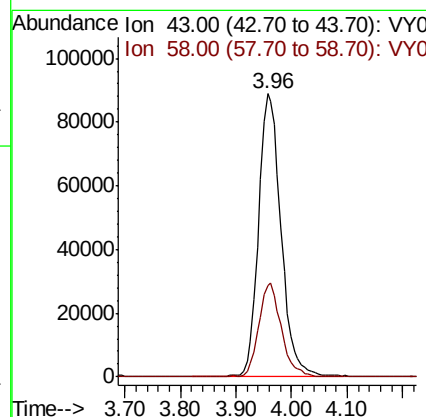
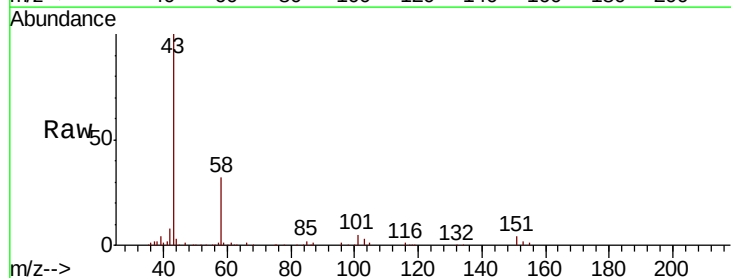
RT: 3.96 min Scan# 364

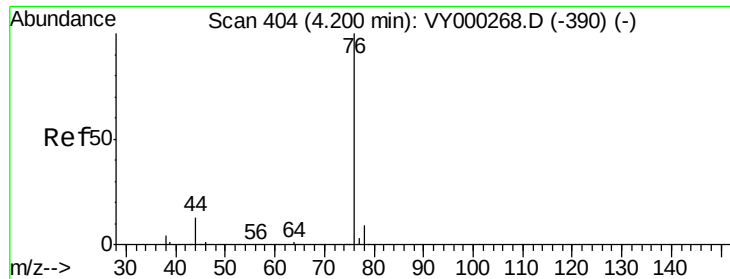
Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Tgt Ion:	43	Resp:	252514
Ion Ratio	Lower	Upper	
43	100		
58	32.1	25.8	38.6





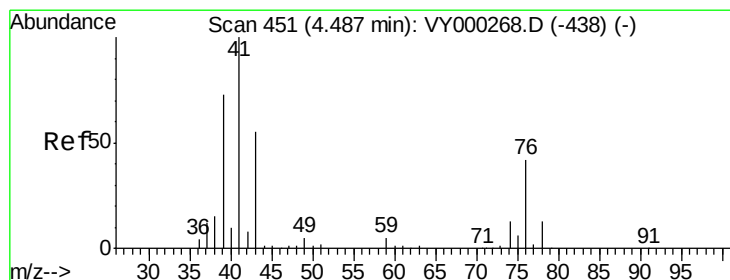
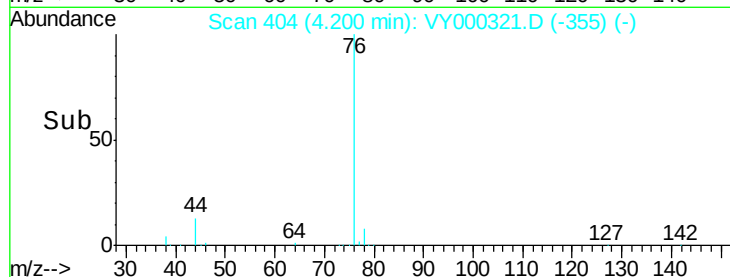
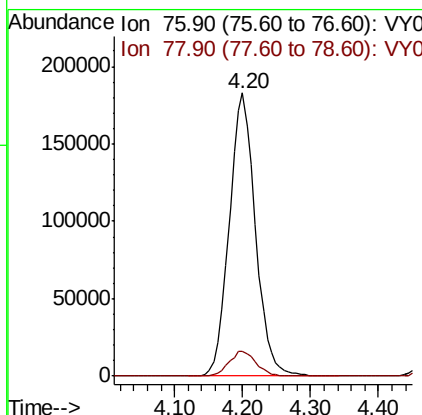
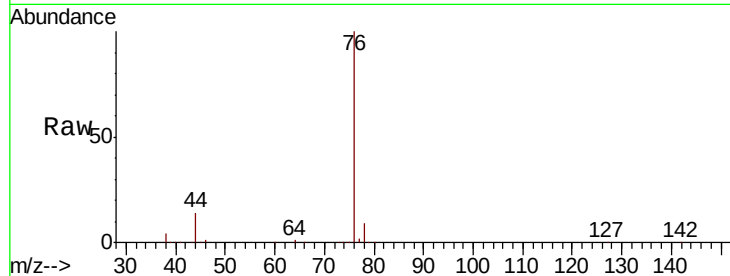
#17
Carbon Disulfide
Concen: 48.608 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

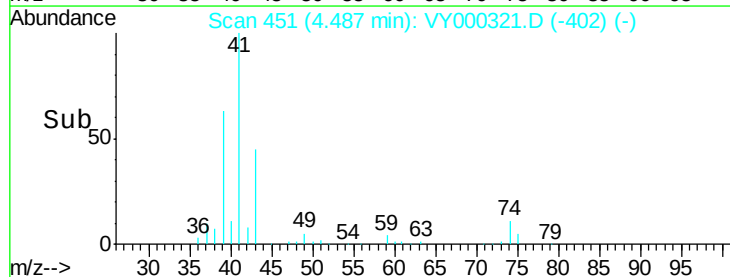
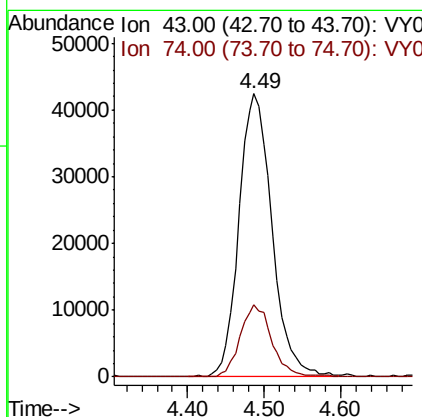
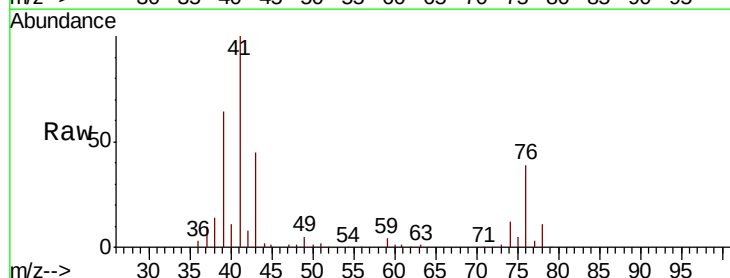
Manual Integrations
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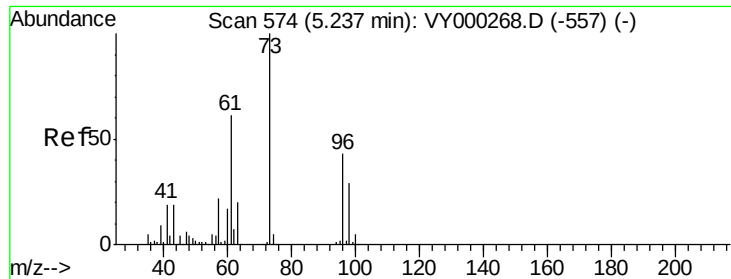
MMDadoda
10/18/2019 12:50:33 AM



#18
Methyl Acetate
Concen: 47.631 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.4	30.6





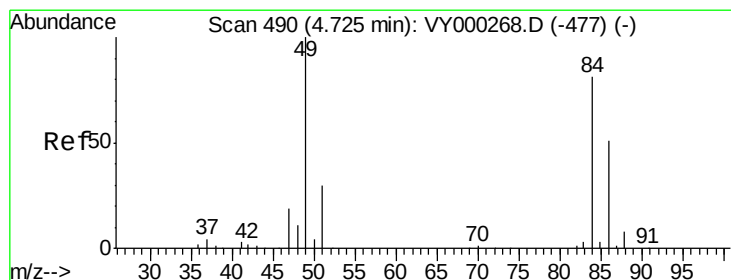
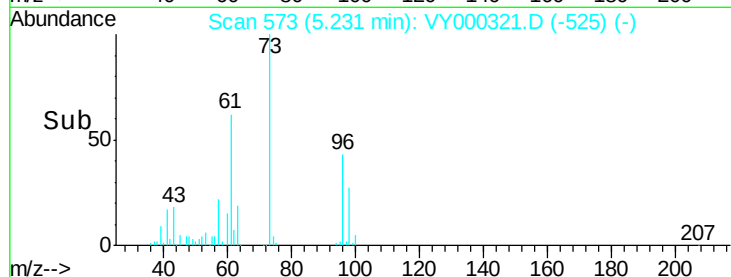
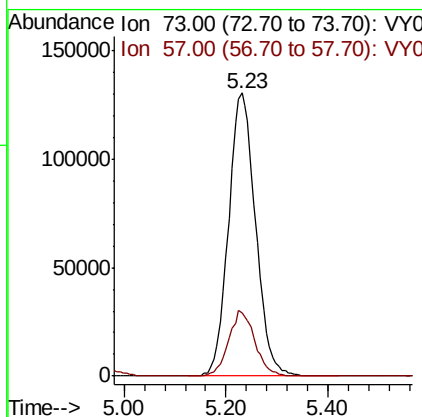
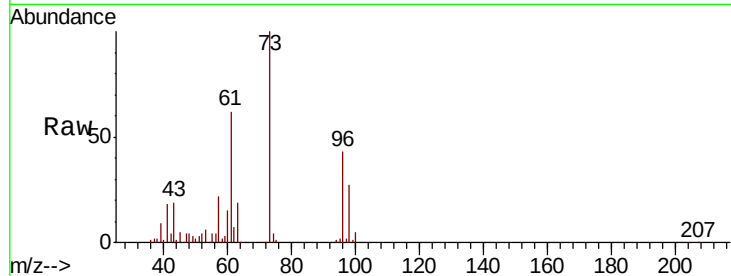
#19
Methyl tert-butyl Ether
Concen: 53.961 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 478221
Ion Ratio Lower Upper
73 100
57 22.3 17.4 26.0

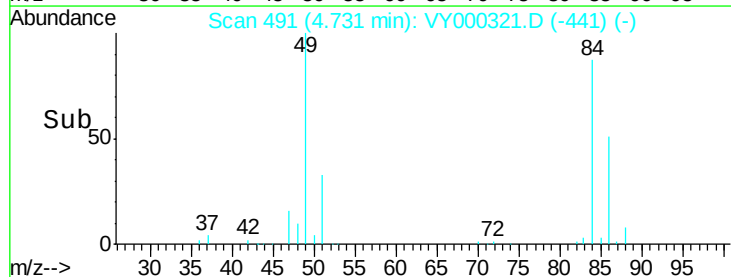
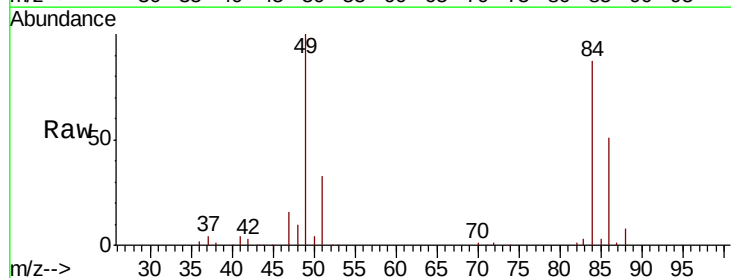
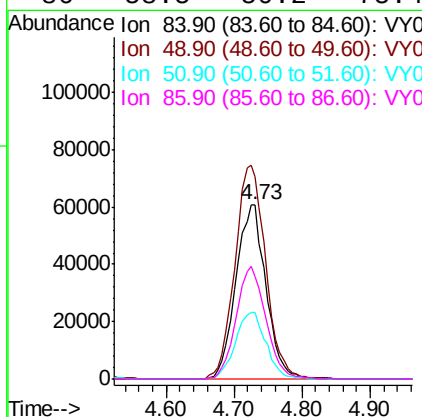
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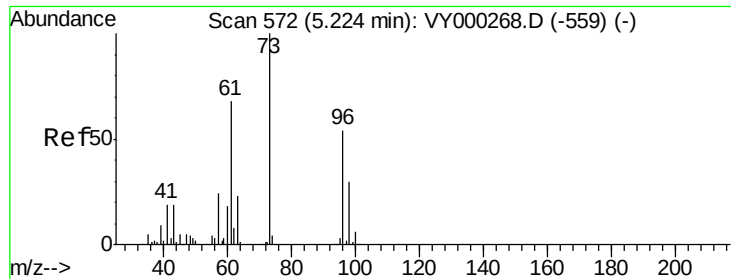
MMDadoda
10/18/2019 12:50:33 AM



#20
Methylene Chloride
Concen: 51.786 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion: 84 Resp: 187176
Ion Ratio Lower Upper
84 100
49 115.5 99.0 148.4
51 37.9 29.3 43.9
86 58.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 50.531 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

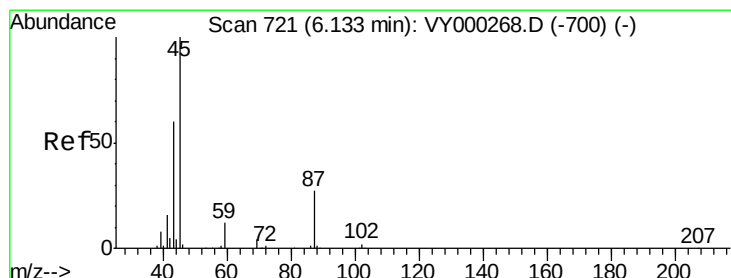
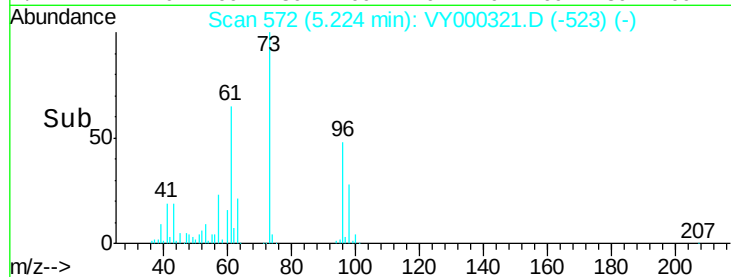
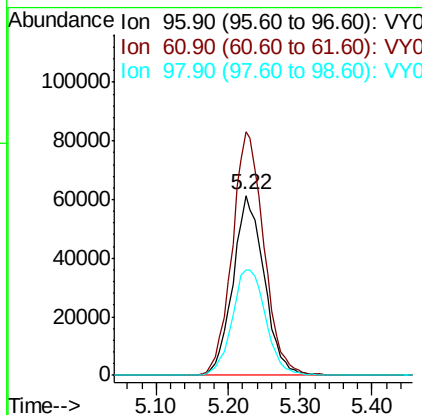
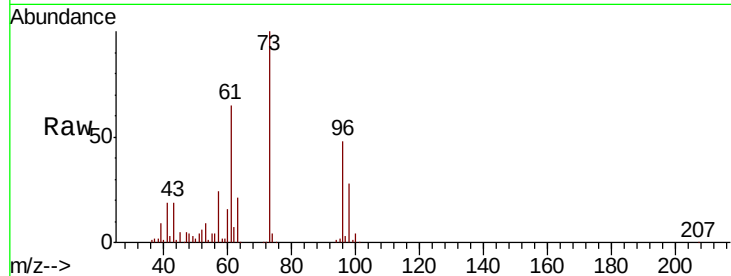
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	184564
Ion	Ratio	Lower	Upper
96	100		
61	135.6	100.4	150.6
98	58.5	44.6	66.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.733 ug/l

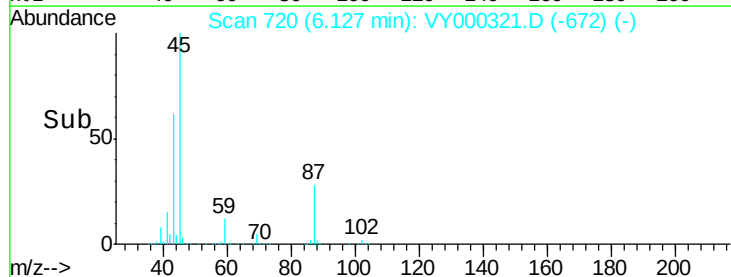
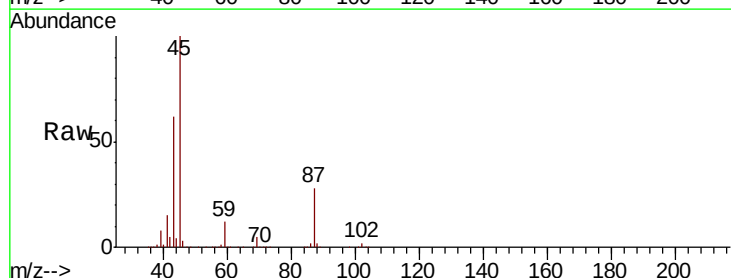
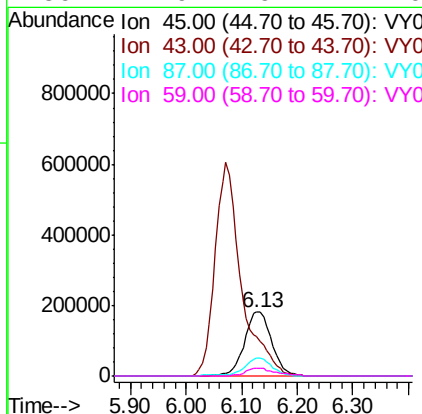
RT: 6.13 min Scan# 720

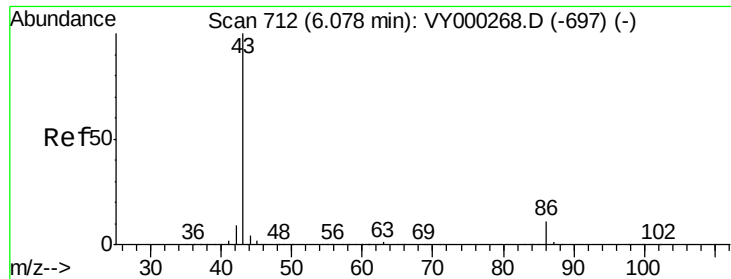
Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Tgt Ion:	45	Resp:	621878
Ion	Ratio	Lower	Upper
45	100		
43	61.9	48.5	72.7
87	27.6	21.5	32.3
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 273.595 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1991633

Ion Ratio Lower Upper

43 100

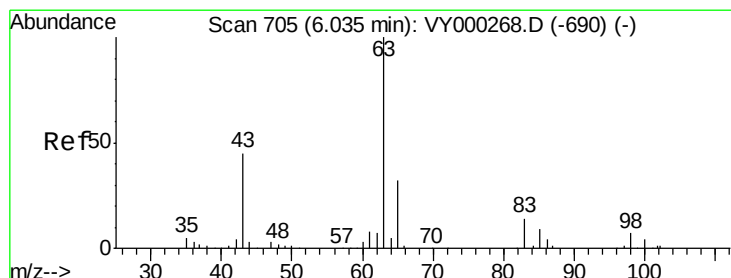
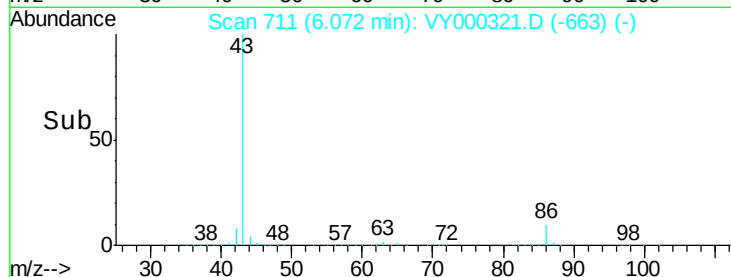
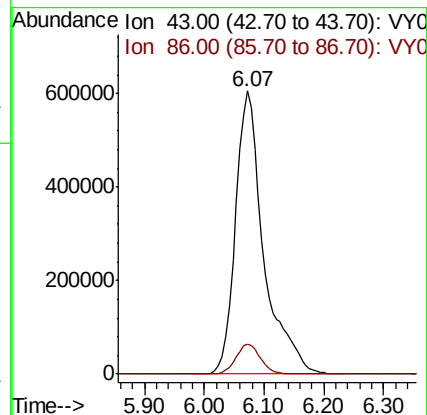
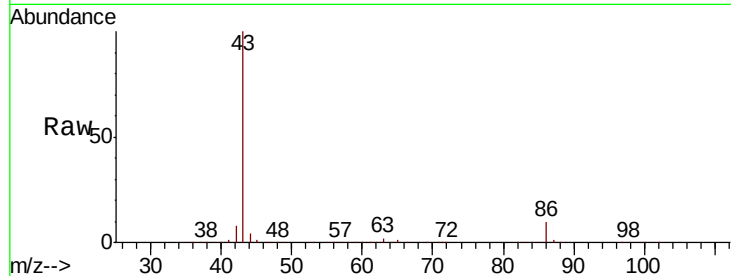
86 10.4 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.485 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

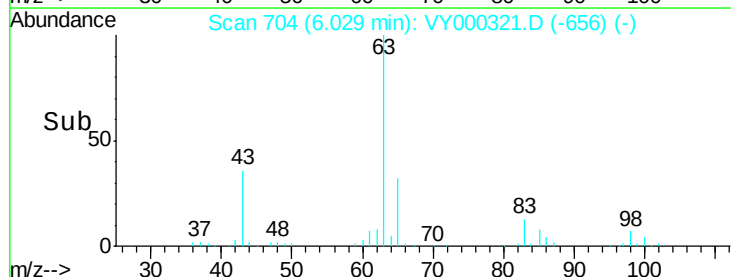
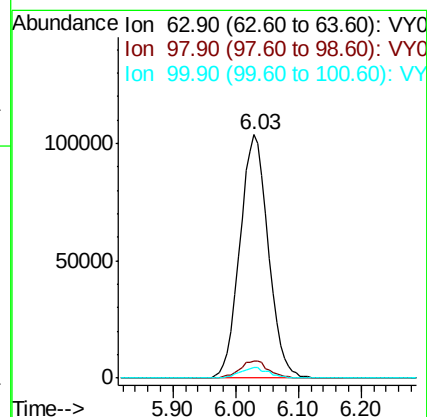
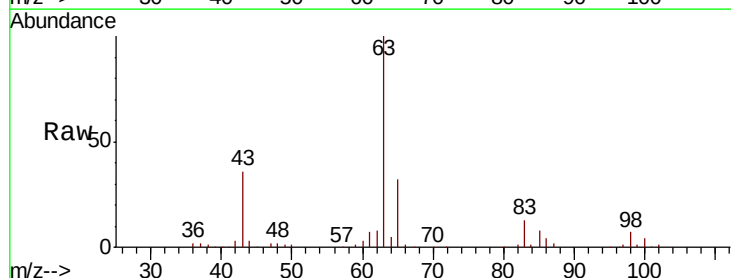
Tgt Ion: 63 Resp: 325758

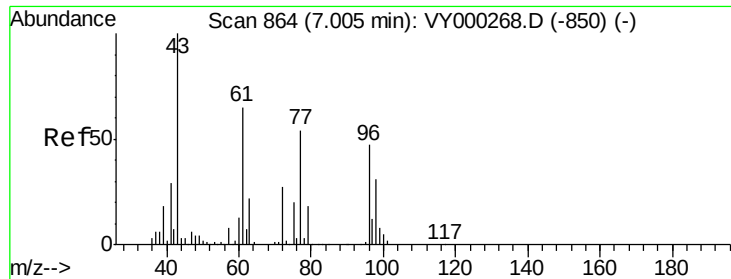
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 263.130 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 399123

Ion Ratio Lower Upper

43 100

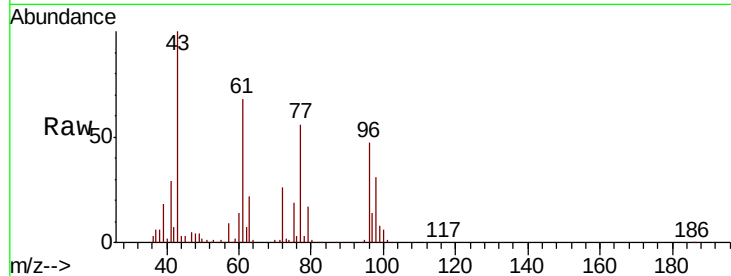
72 26.3 21.4 32.2

Manual Integrations

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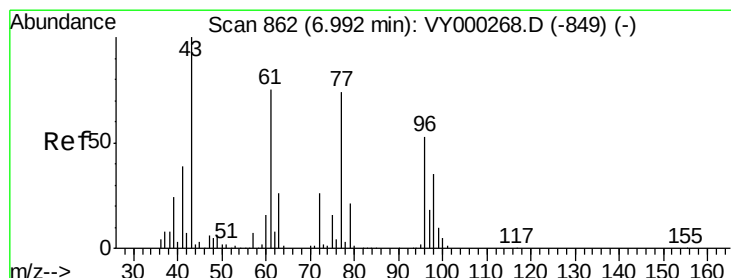
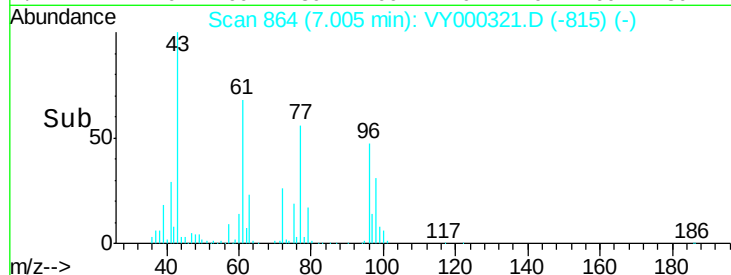
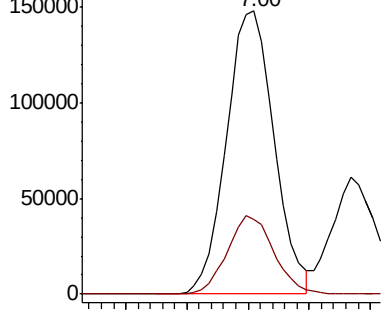
MMDadoda

10/18/2019 12:50:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 52.665 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000321.D

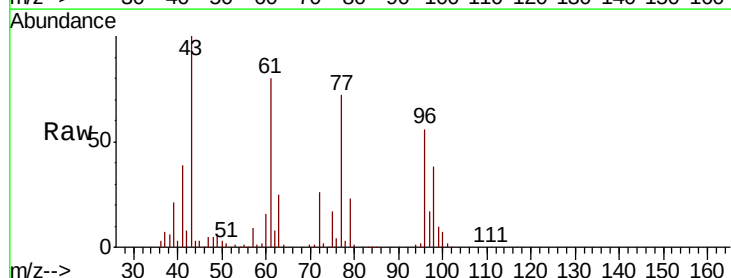
Acq: 16 Oct 2019 11:28

Tgt Ion: 77 Resp: 295570

Ion Ratio Lower Upper

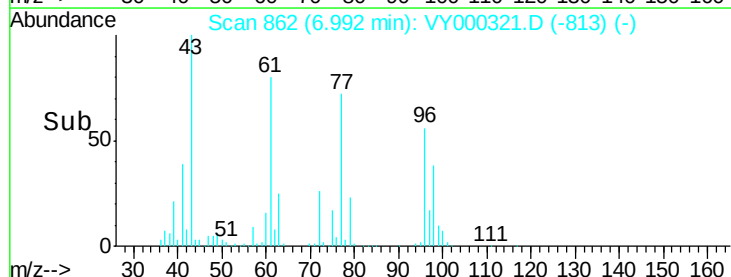
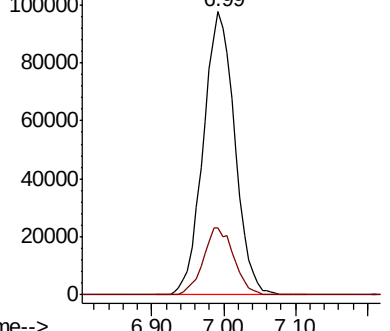
77 100

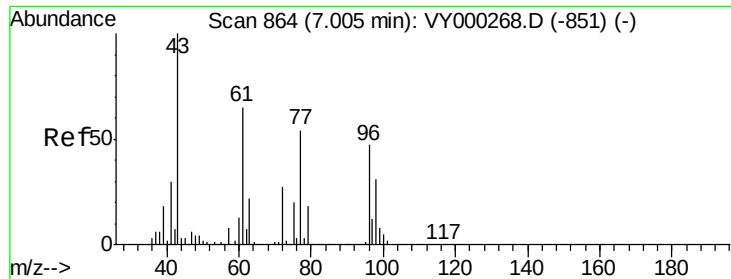
97 23.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

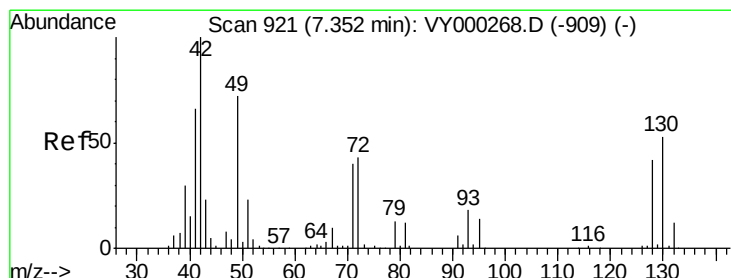
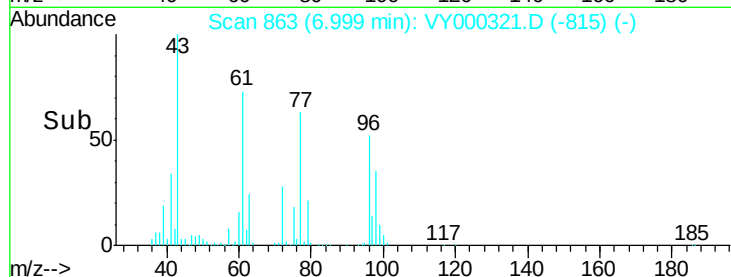
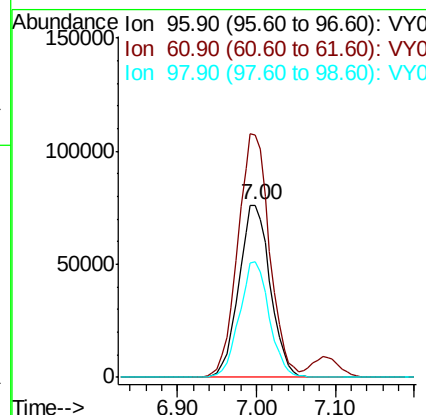
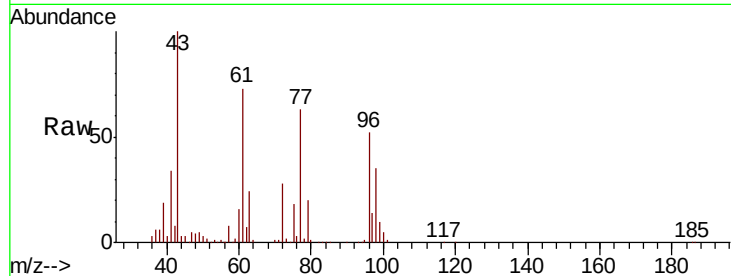
cis-1,2-Dichloroethene
Concen: 53.206 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	210284		
61	142.9	0.0	289.8	
98	64.1	0.0	131.8	

Manual Integrations
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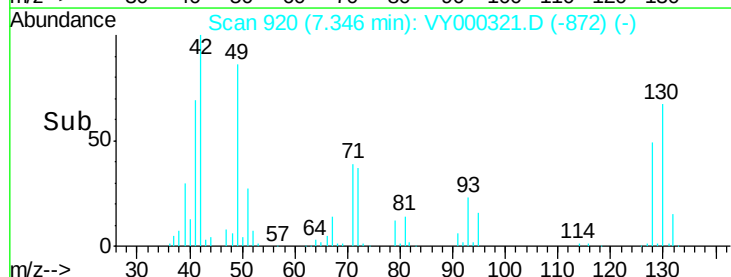
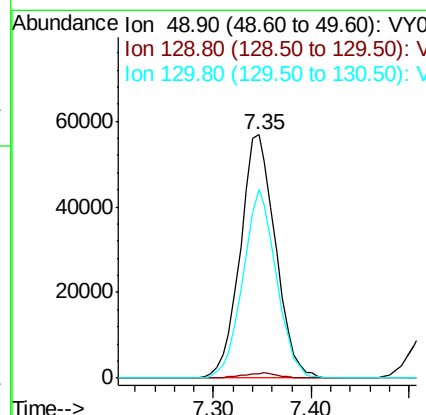
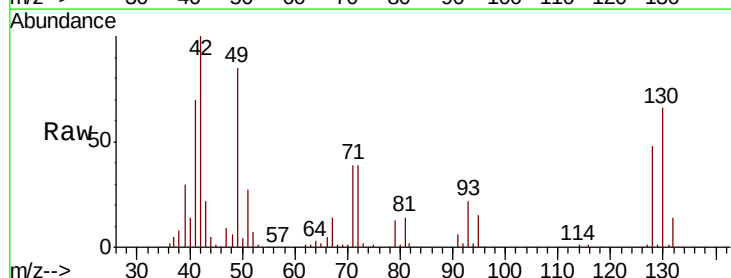
MMDadoda
10/18/2019 12:50:33 AM

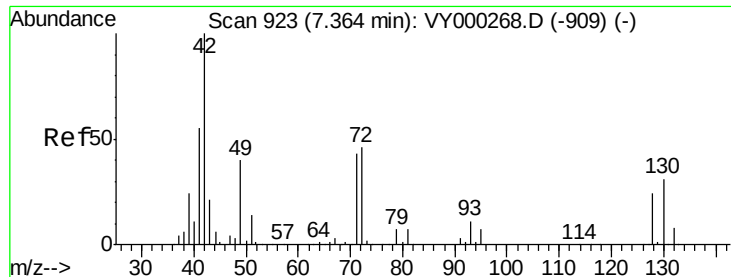


#28

Bromochloromethane
Concen: 54.412 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	142267		
129	2.1	0.0	4.0	
130	73.4	58.2	87.2	





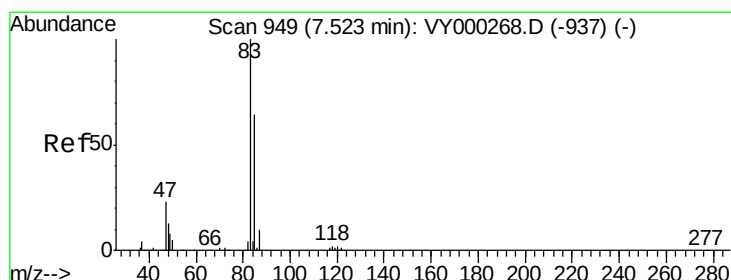
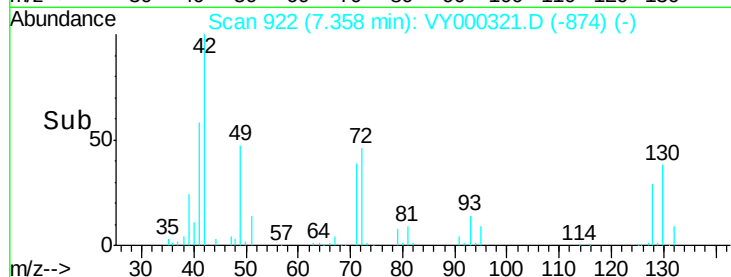
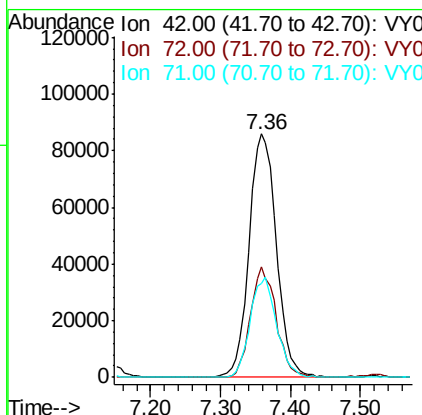
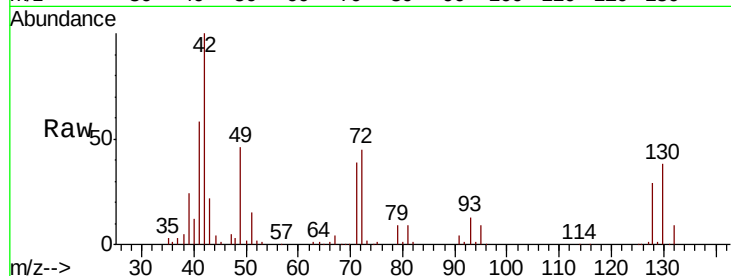
#29
Tetrahydrofuran
Concen: 253.255 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	232806		
72	42.8		34.5	51.7
71	39.7		32.7	49.1

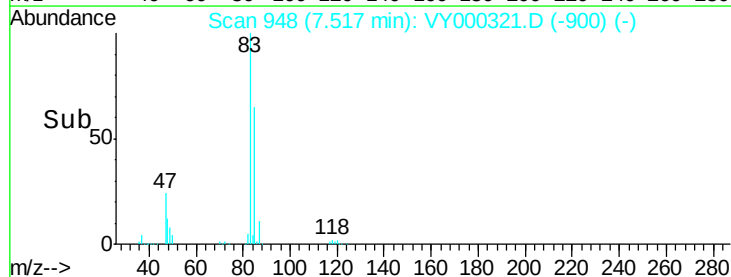
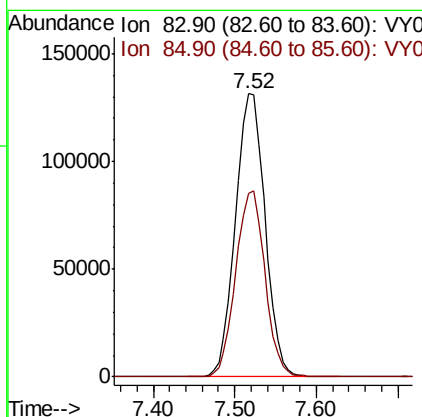
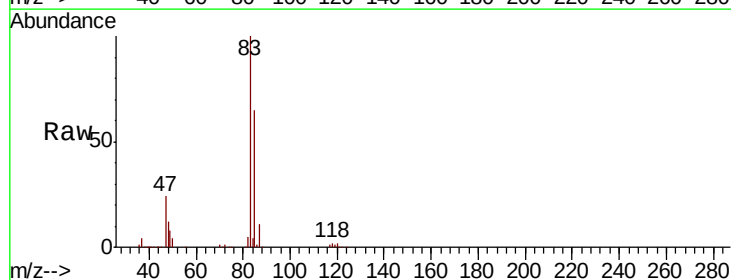
Manual Integrations
APPROVED

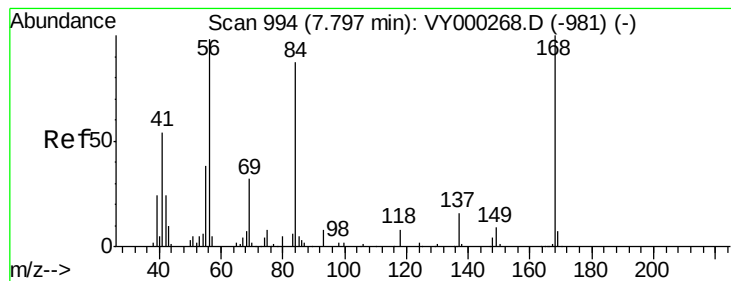
MMDadoda
10/18/2019 12:50:33 AM



#30
Chloroform
Concen: 53.916 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	330704		
85	64.7		51.4	77.2





#31

Cyclohexane

Concen: 50.126 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 318866

Ion Ratio Lower Upper

56 100

69 33.5 26.3 39.5

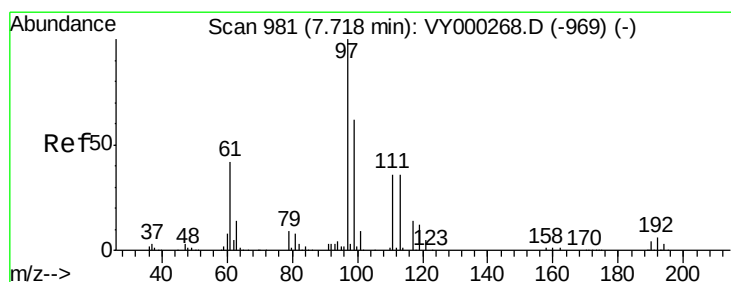
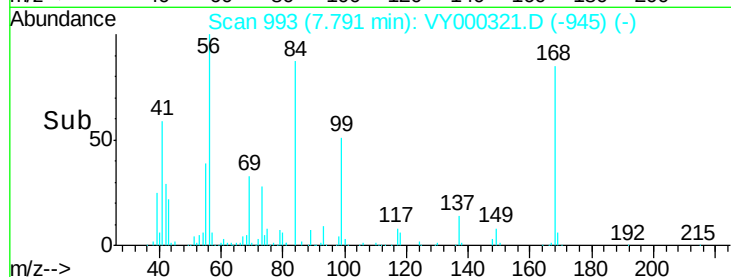
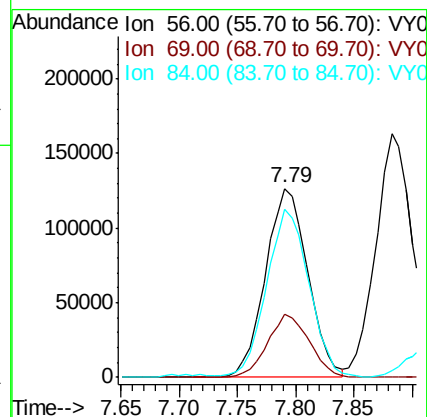
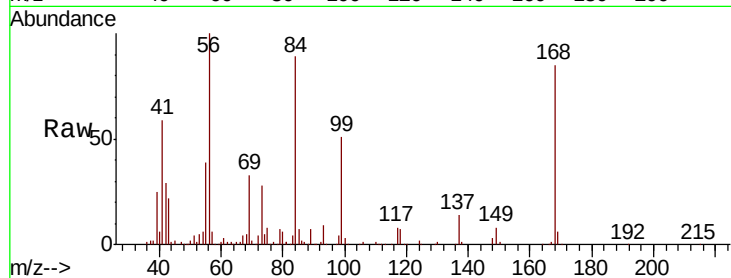
84 87.7 70.8 106.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:33 AM



#32

1,1,1-Trichloroethane

Concen: 53.712 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

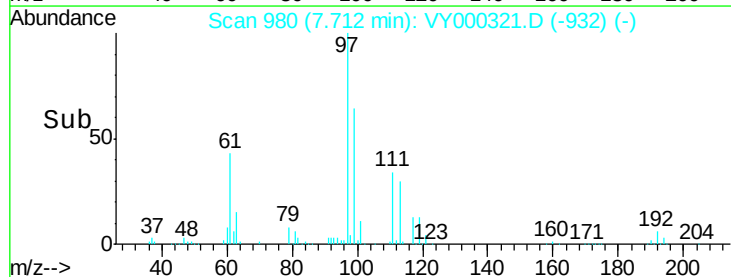
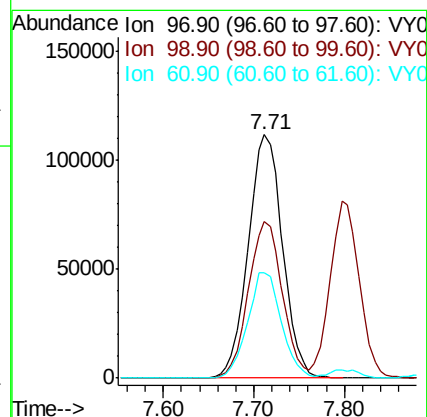
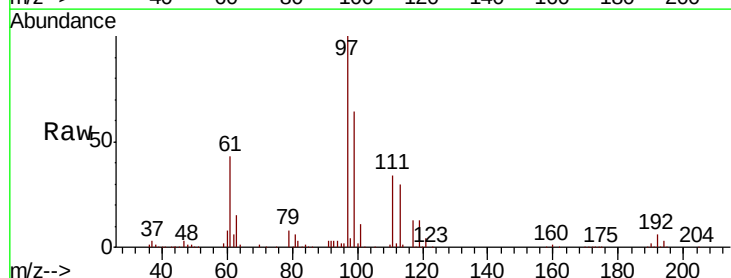
Tgt Ion: 97 Resp: 292894

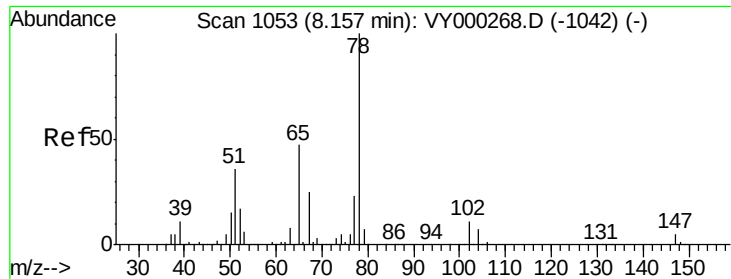
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 42.9 34.5 51.7





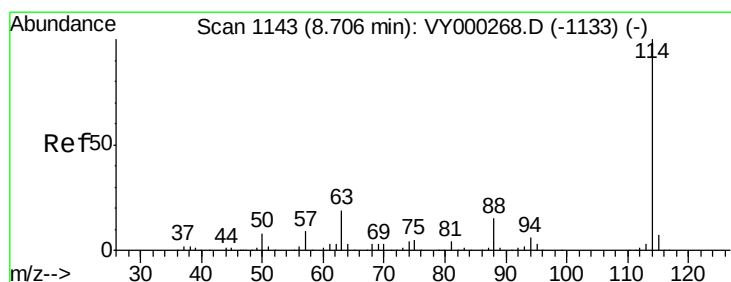
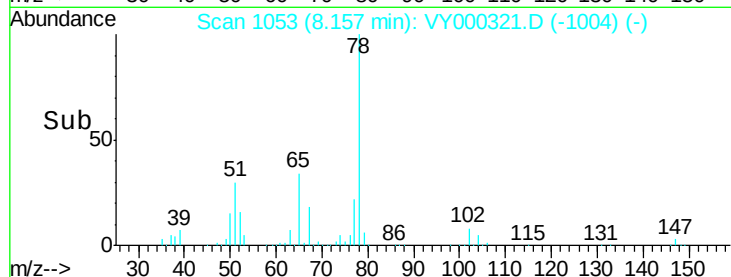
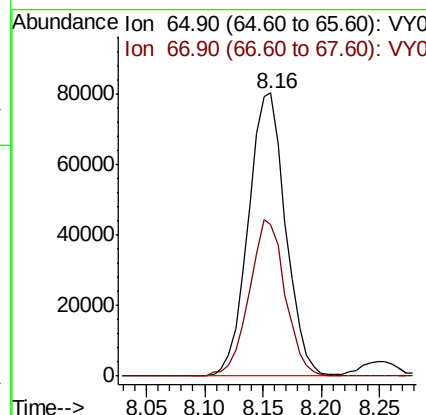
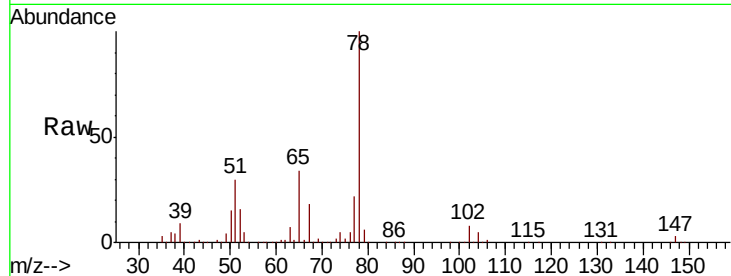
#33
 1,2-Dichloroethane-d4
 Concen: 53.753 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178727		
67	53.4	0.0	109.4	

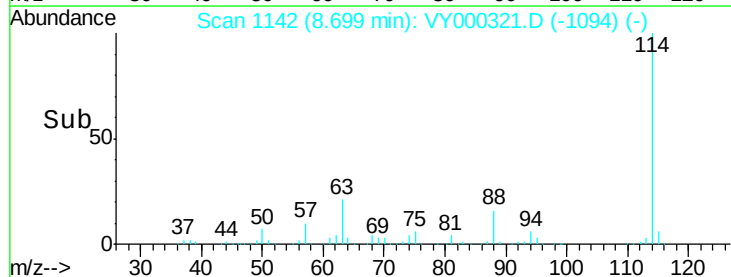
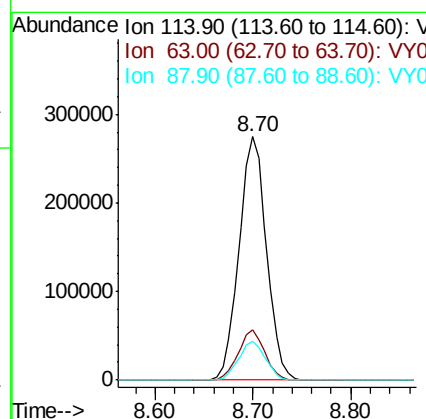
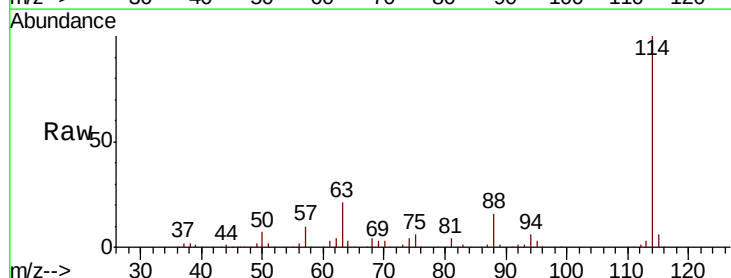
Manual Integrations
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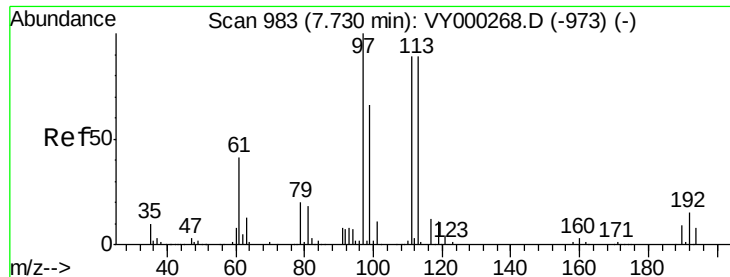
MMDadoda
 10/18/2019 12:50:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	533861		
63	20.8	0.0	37.2	
88	16.0	0.0	30.2	





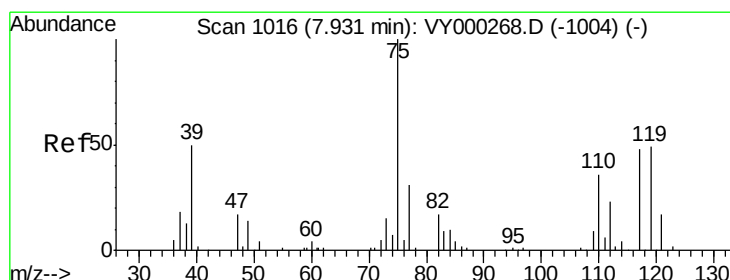
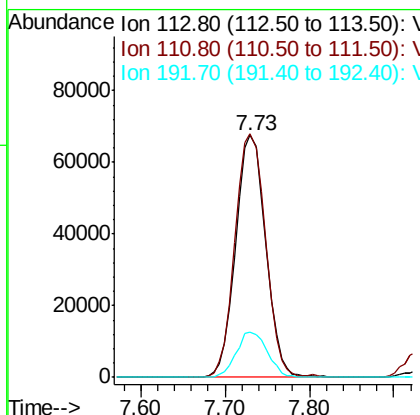
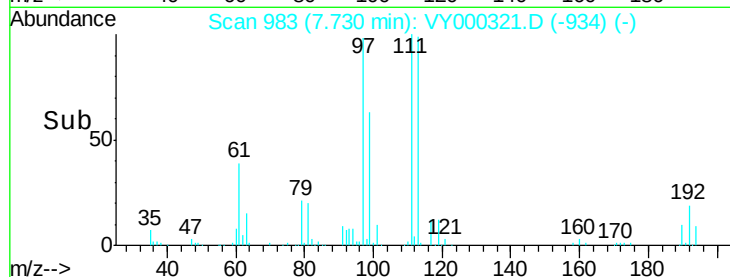
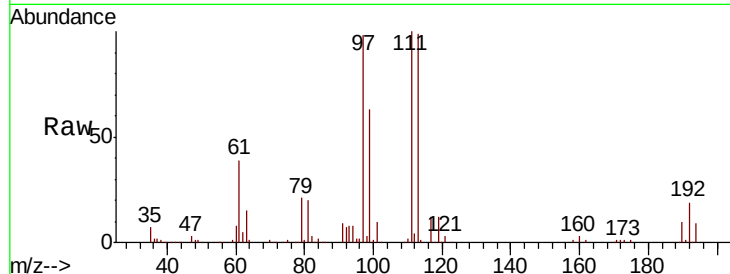
#35
 Dibromofluoromethane
 Concen: 50.485 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162577		
111	102.6	81.6	122.4	
192	19.2	15.3	22.9	

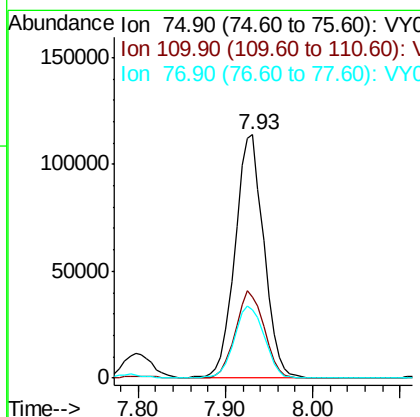
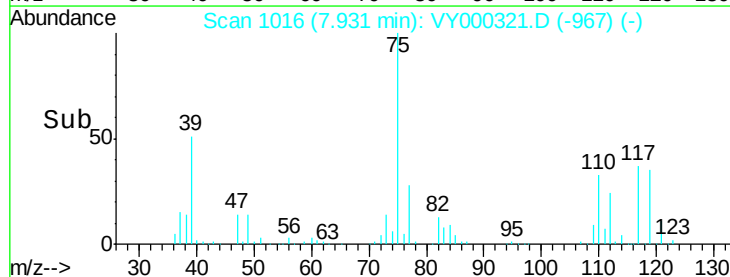
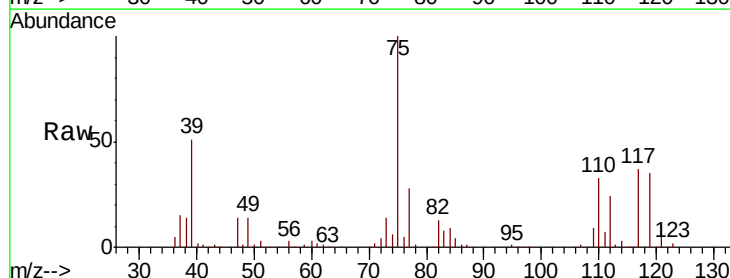
Manual Integrations
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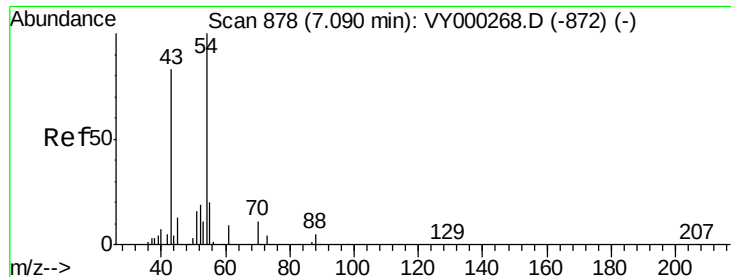
MMDadoda
 10/18/2019 12:50:33 AM



#36
 1,1-Dichloropropene
 Concen: 49.966 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	261167		
110	35.7	18.4	55.4	
77	31.0	25.0	37.6	





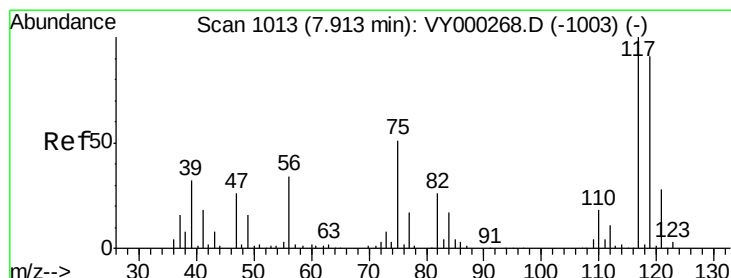
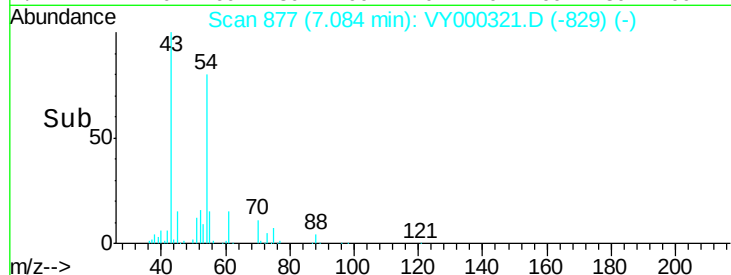
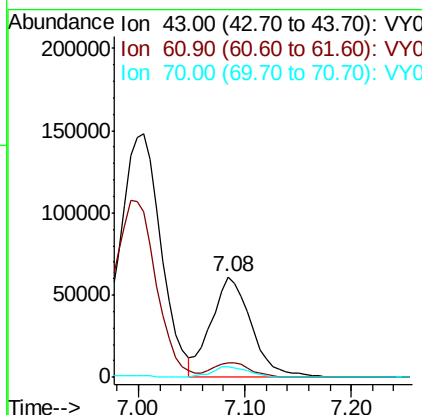
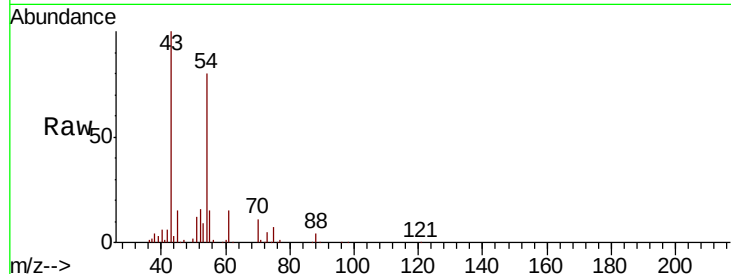
#37
Ethyl Acetate
Concen: 51.271 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	158680
Ion Ratio	Lower	Upper	
43	100		
61	14.1	12.1	18.1
70	10.2	8.7	13.1

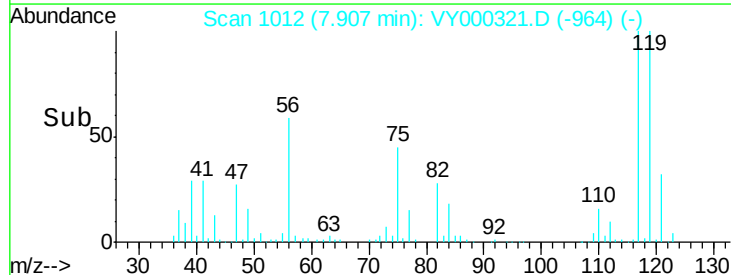
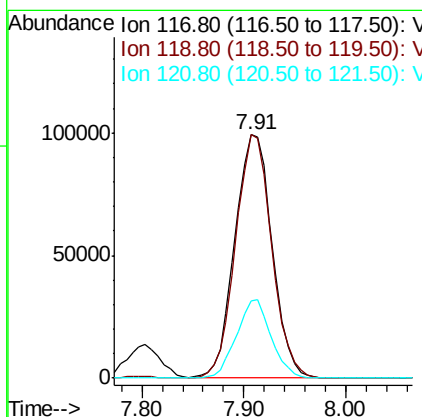
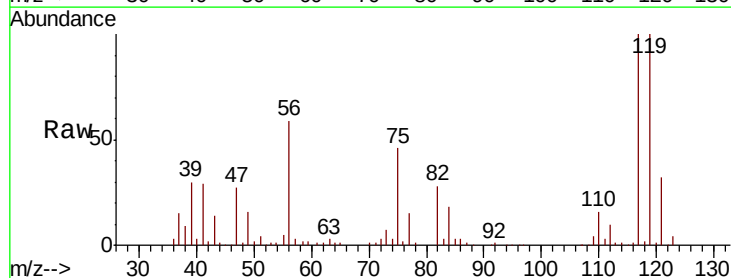
Manual Integrations
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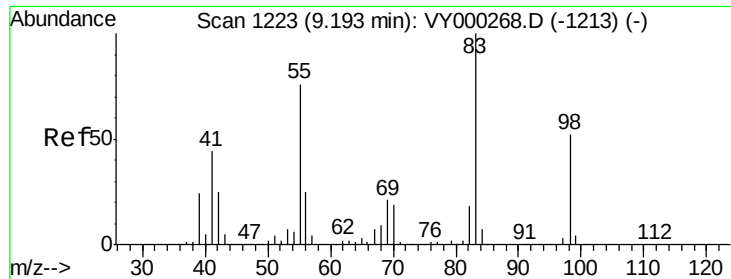
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.767 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	117	Resp	251861
Ion Ratio	Lower	Upper	
117	100		
119	99.8	72.8	109.2
121	31.9	22.2	33.2





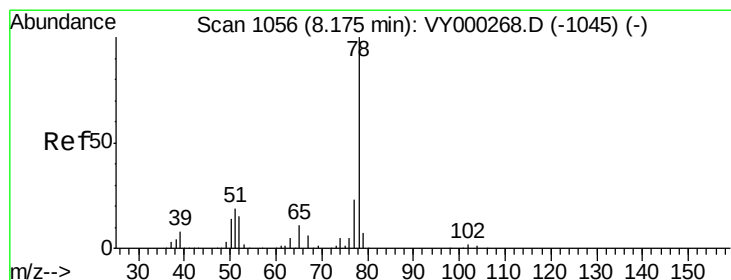
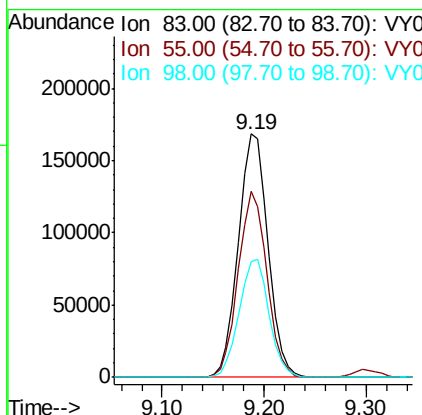
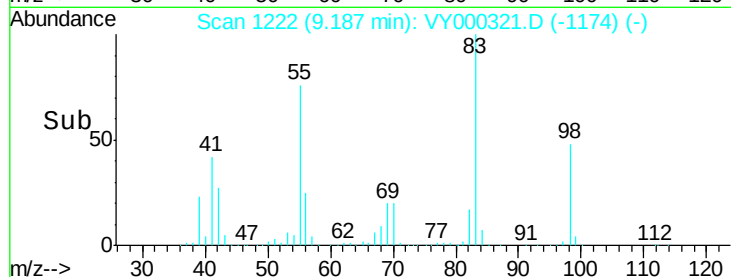
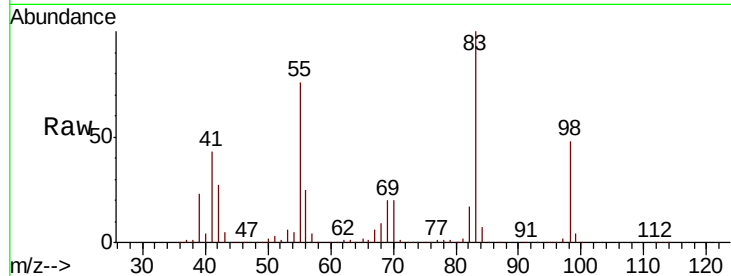
#39
Methylvlcyclohexane
Concen: 49.593 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	339260
Ion Ratio	100	Lower	Upper
83	100		
55	76.2	60.9	91.3
98	47.5	41.8	62.6

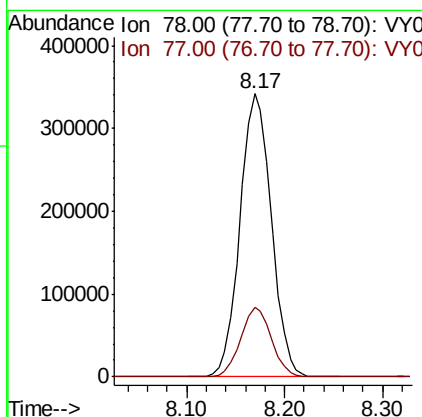
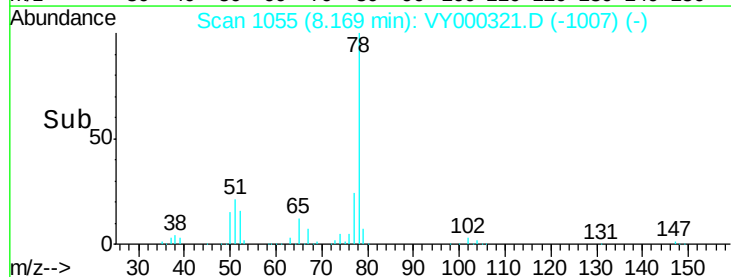
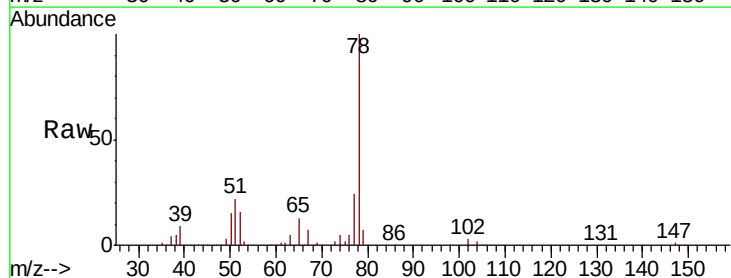
Manual Integrations
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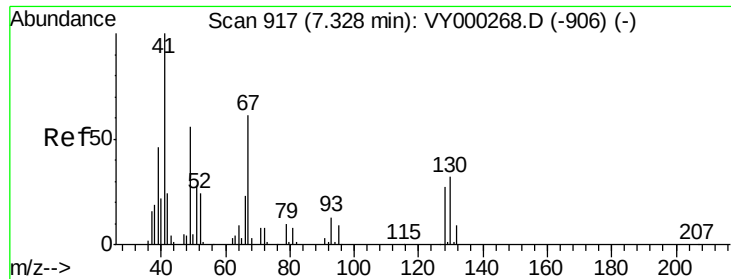
MMDadoda
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#40
Benzene
Concen: 50.256 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	78	Resp	759120
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	18.8	28.2





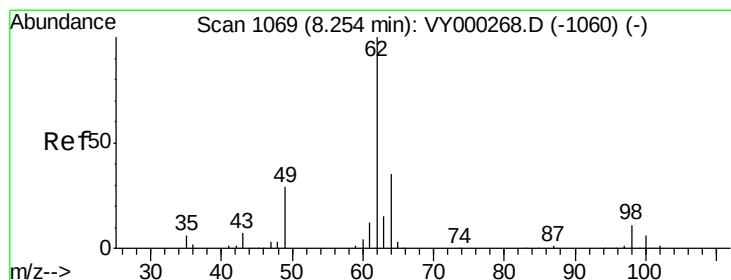
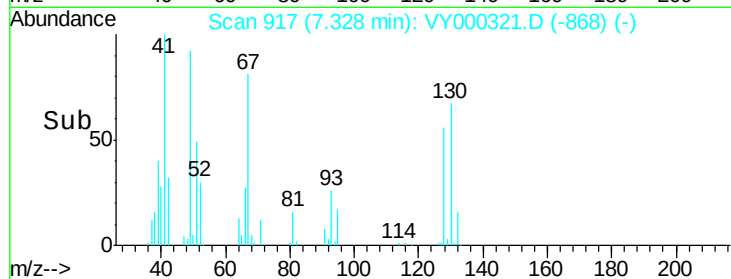
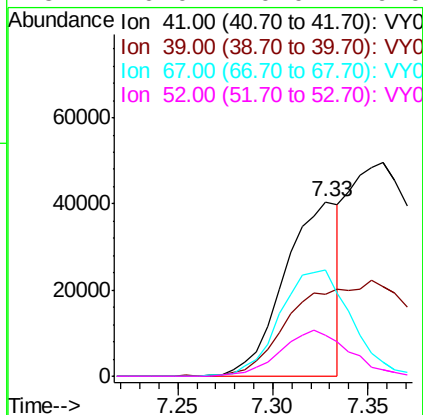
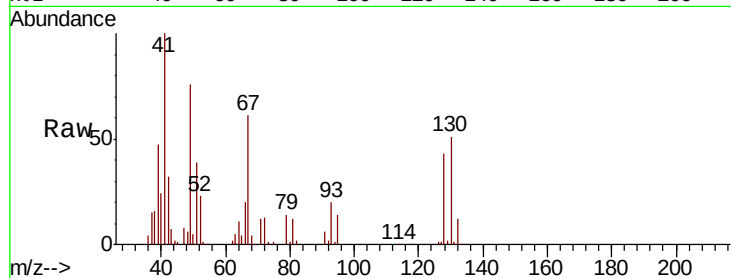
#41
Methacrylonitrile
Concen: 55.693 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	82046
Ion	Ratio	Lower	Upper
41	100		
39	118.7	110.2	165.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

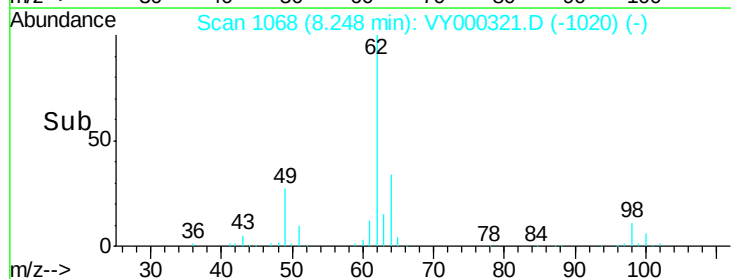
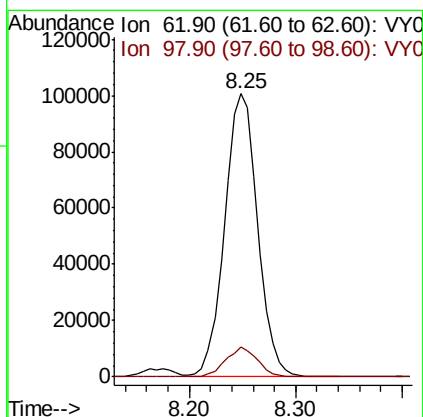
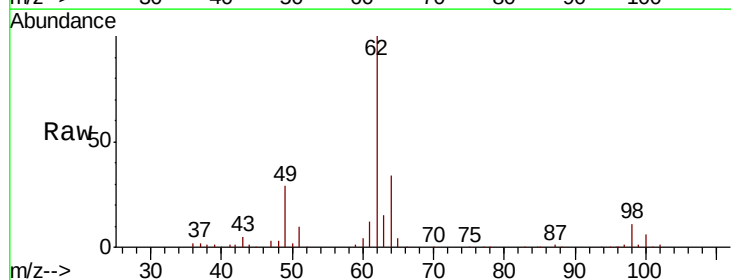
Manual Integrations
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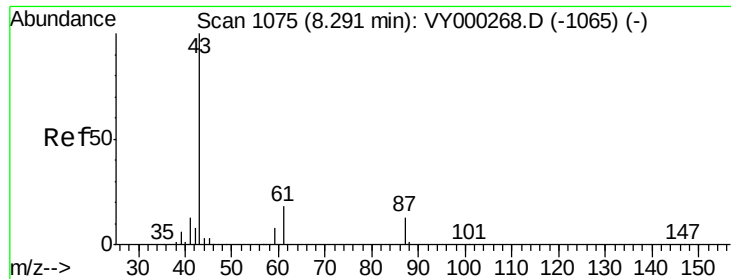
MMDadoda
10/18/2019 12:50:33 AM



#42
1,2-Dichloroethane
Concen: 50.520 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion:	62	Resp:	217979
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 51.563 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

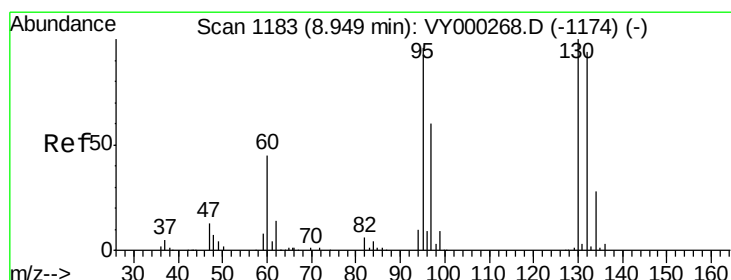
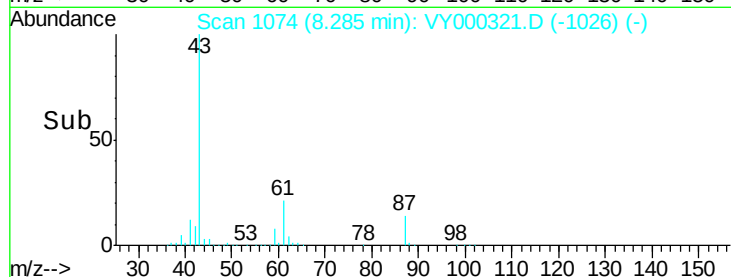
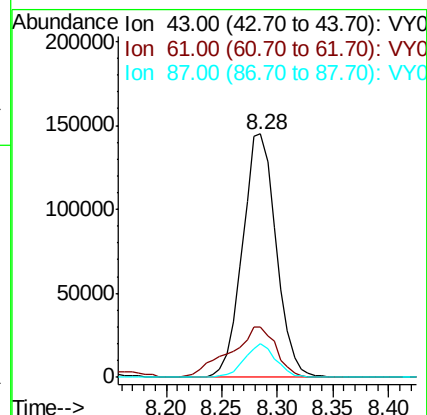
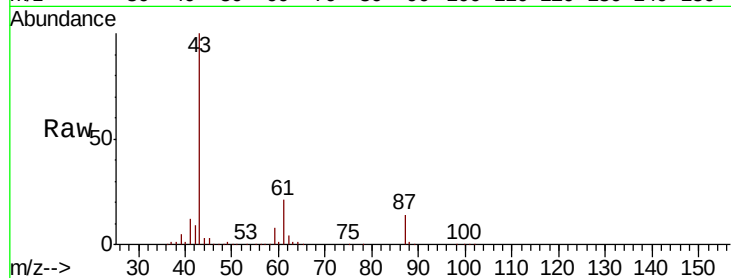
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	303433
Ion	Ratio	Lower	Upper
43	100		
61	28.4	22.3	33.5
87	12.8	10.9	16.3

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#44

Trichloroethene

Concen: 48.294 ug/l

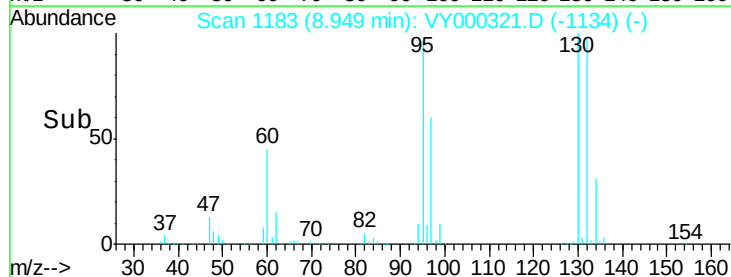
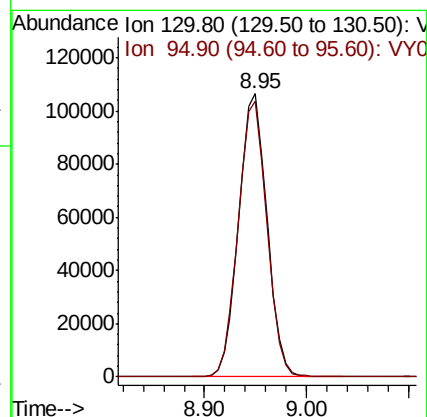
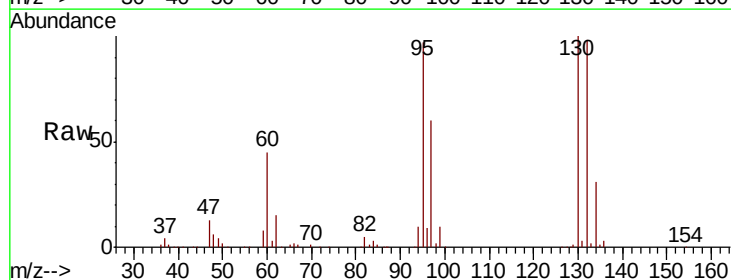
RT: 8.95 min Scan# 1183

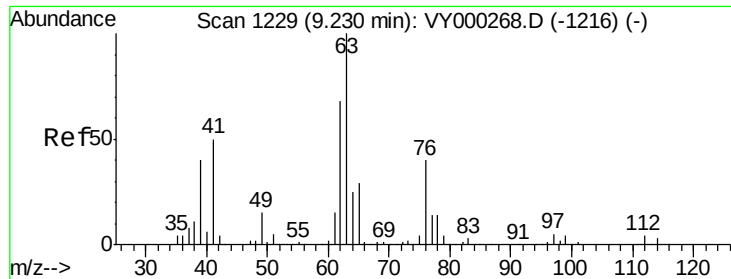
Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Tgt Ion:	130	Resp:	204683
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	191.4





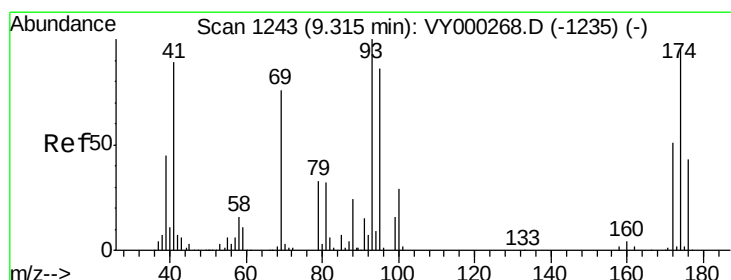
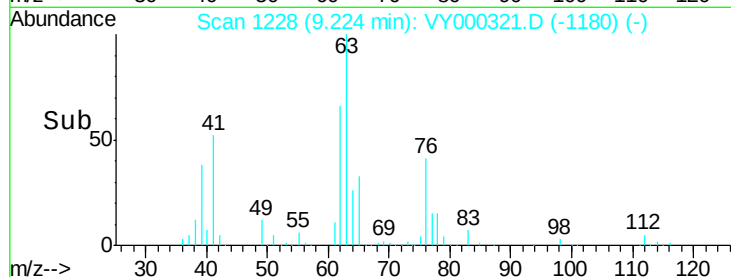
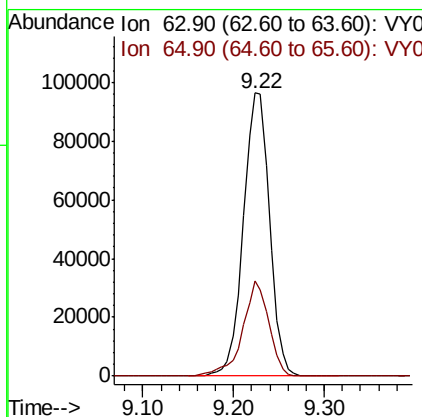
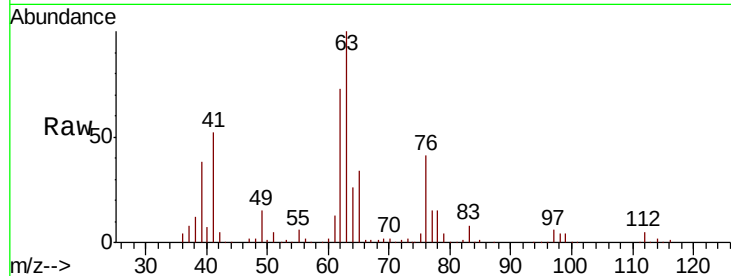
#45
 1,2-Dichloropropane
 Concen: 51.887 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.7	23.2	34.8

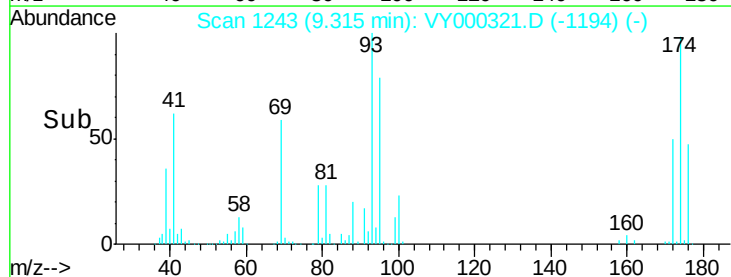
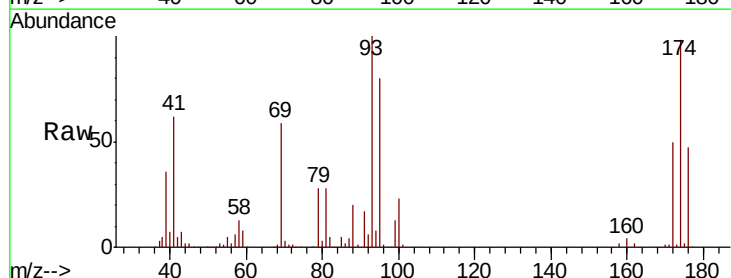
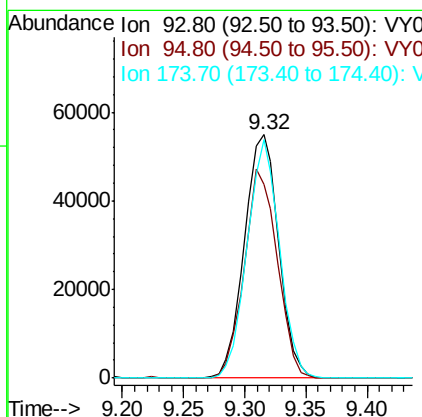
Manual Integrations
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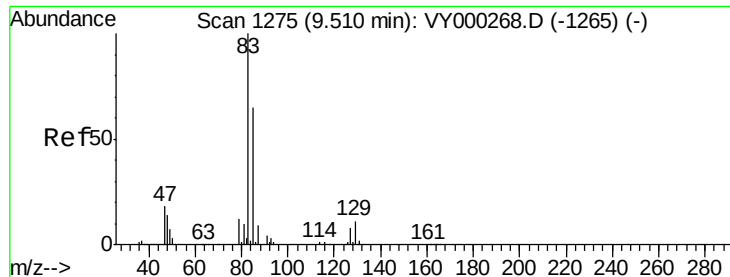
MMDadoda
 10/18/2019 12:50:33 AM



#46
 Dibromomethane
 Concen: 51.730 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	68.2	102.2
174	92.3	79.8	119.6





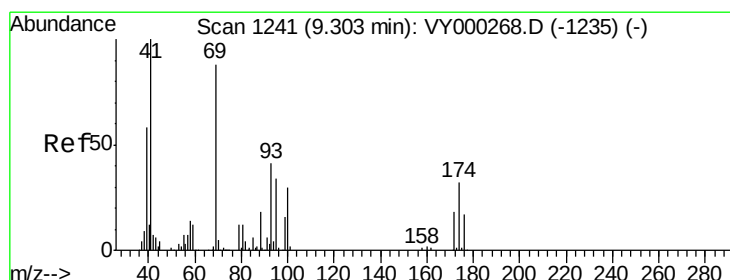
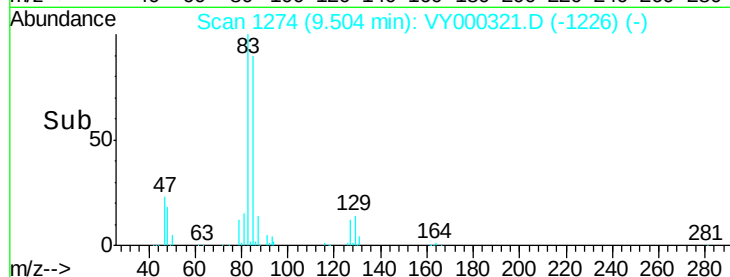
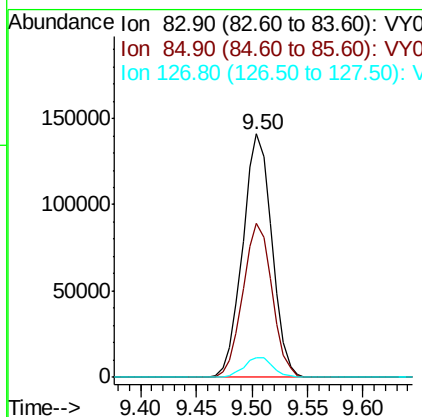
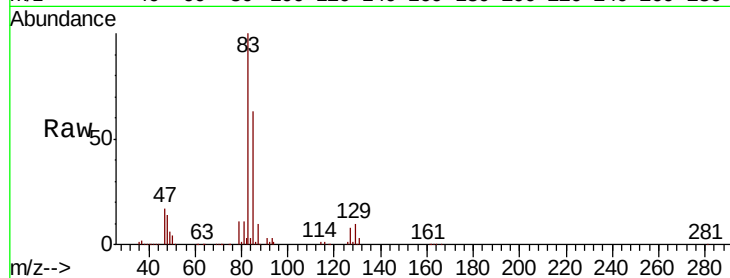
#47
Bromodichloromethane
Concen: 52.688 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257300		
85	63.0		52.2	78.2
127	8.2		6.3	9.5

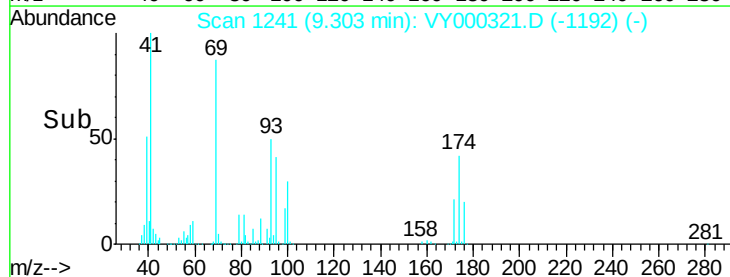
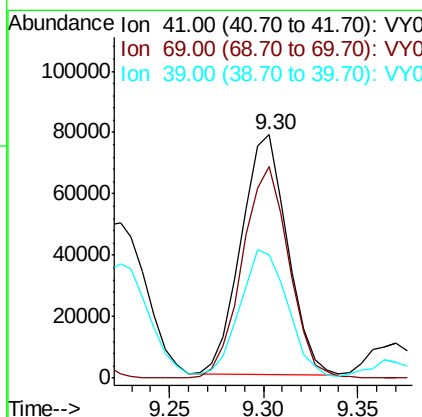
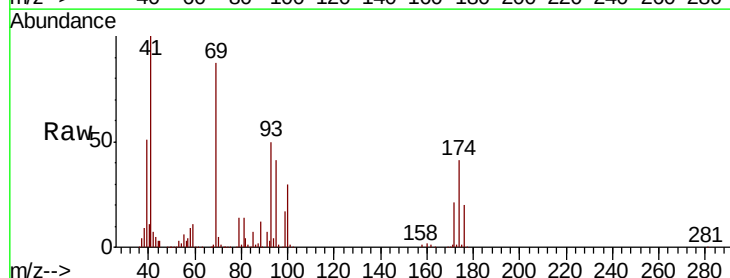
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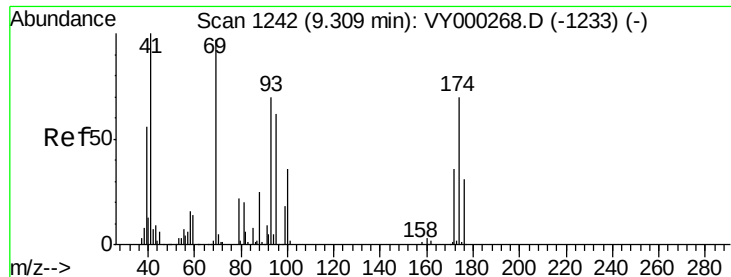
MMDadoda
10/18/2019 12:50:33 AM



#48
Methyl methacrylate
Concen: 51.970 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	134031		
69	88.5		70.0	105.0
39	55.6		47.7	71.5





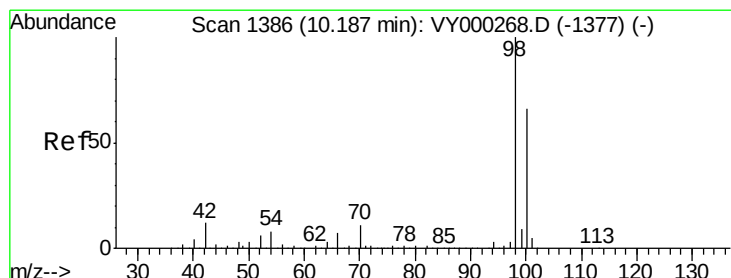
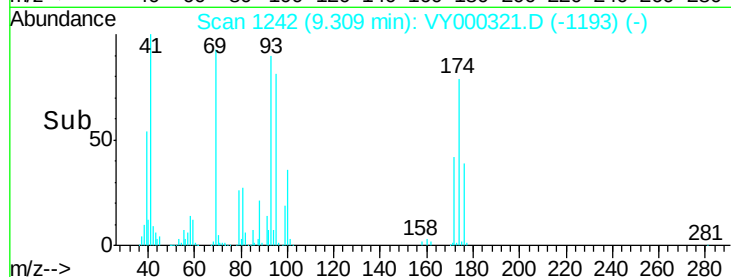
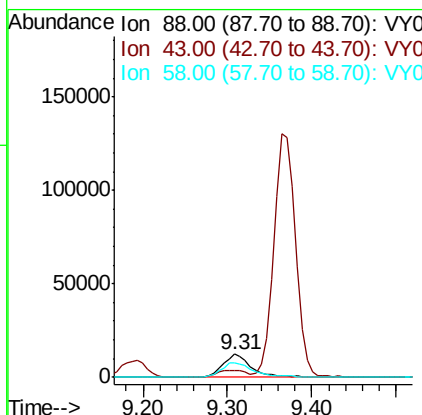
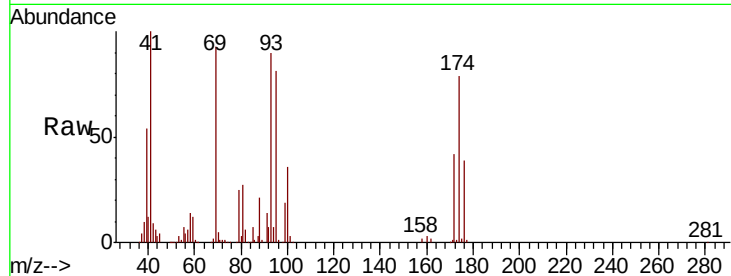
#49
1,4-Dioxane
Concen: 923.890 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.6	38.4
58	72.3	54.6	81.8

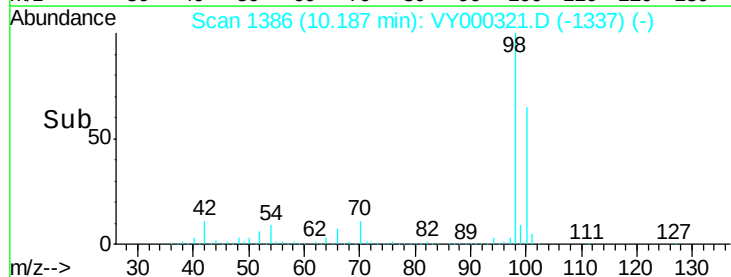
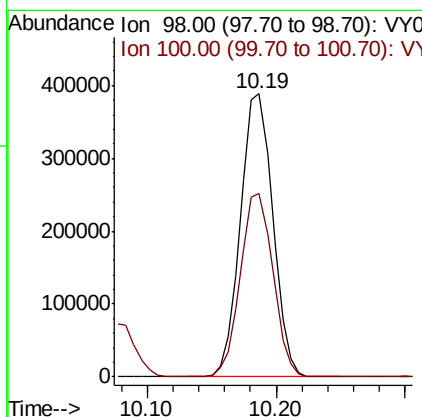
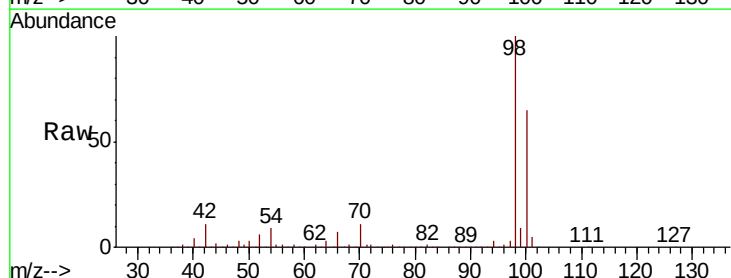
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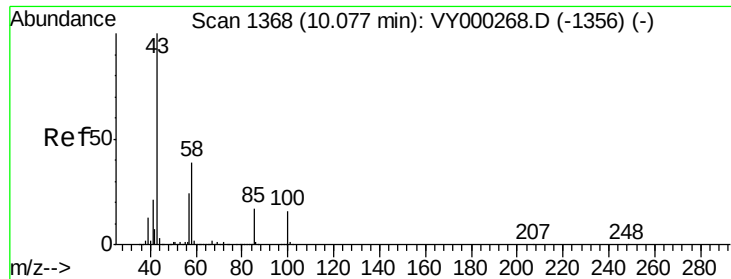
MMDadoda
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#50
Toluene-d8
Concen: 54.600 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2





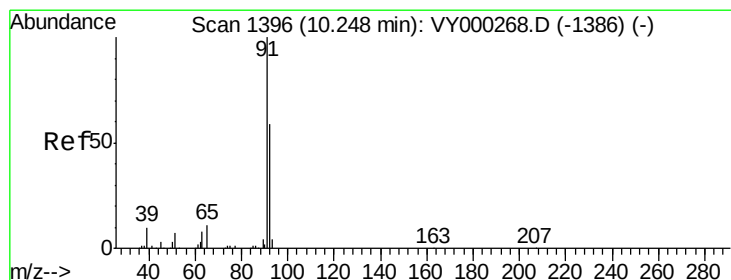
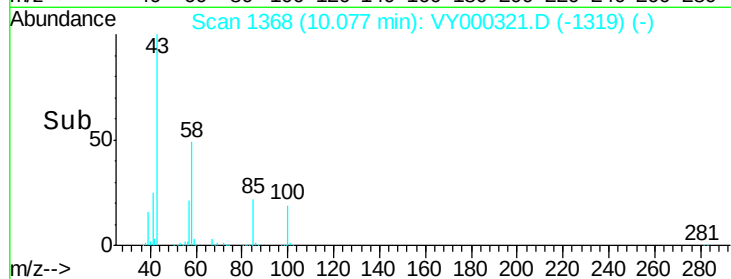
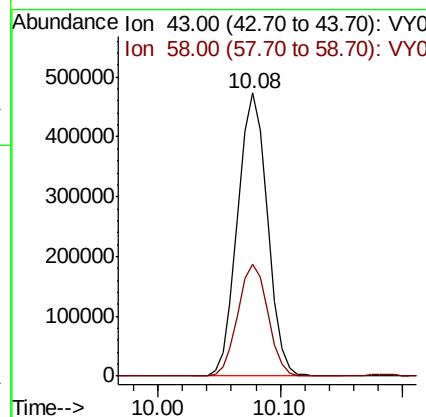
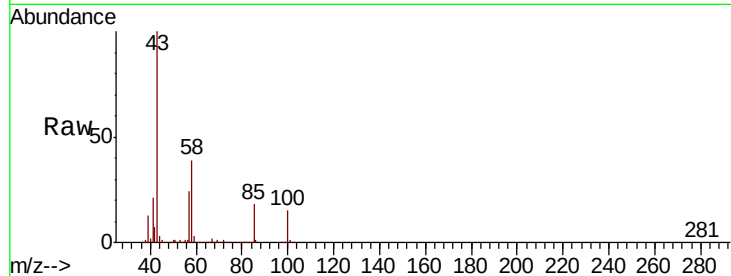
#51
4-Methyl-2-Pentanone
Concen: 262.625 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.0	46.6

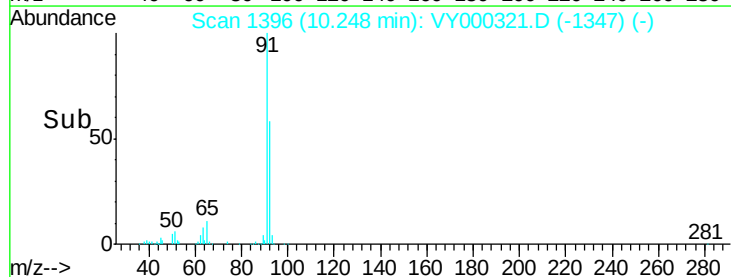
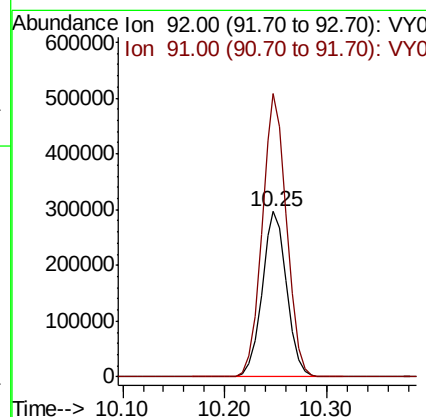
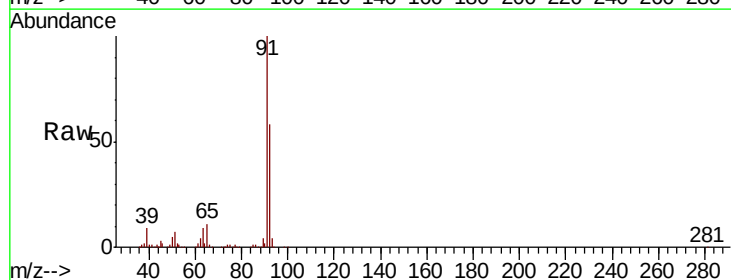
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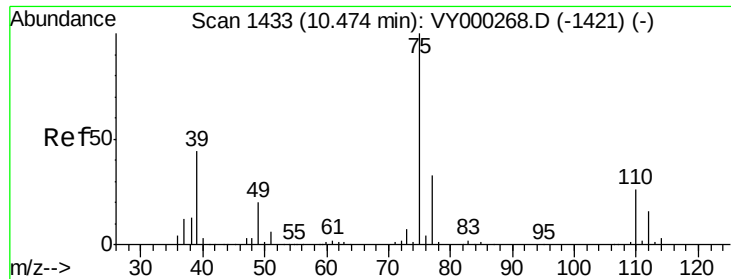
MMDadoda
10/18/2019 12:50:33 AM



#52
Toluene
Concen: 51.690 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.6	205.0





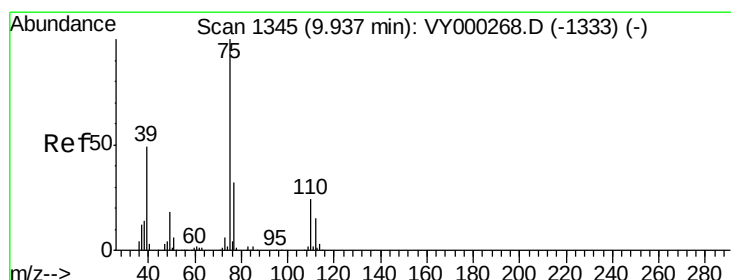
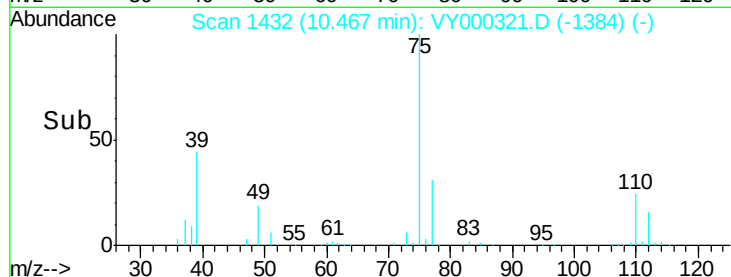
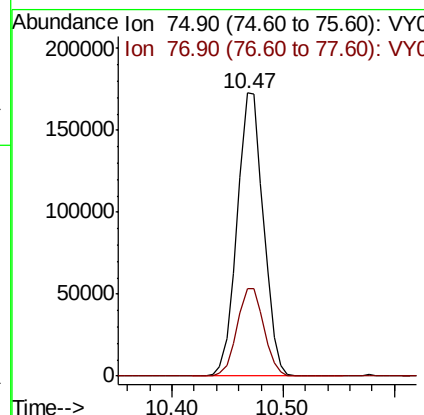
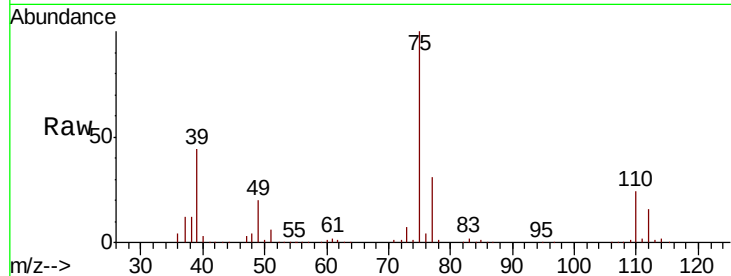
#53
 t-1,3-Dichloropropene
 Concen: 53.966 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.0	39.0

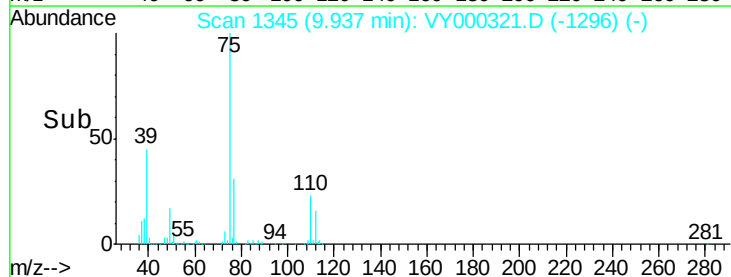
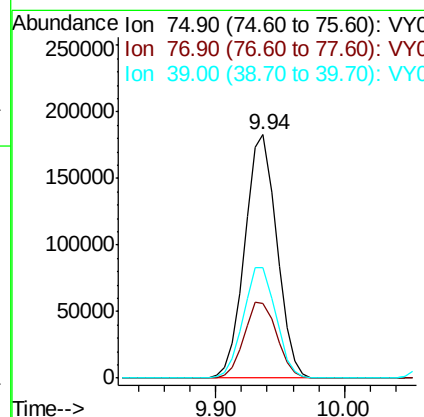
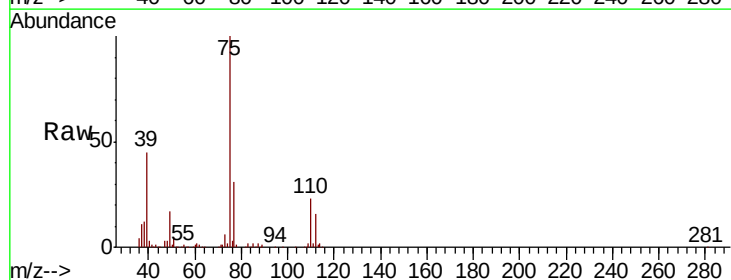
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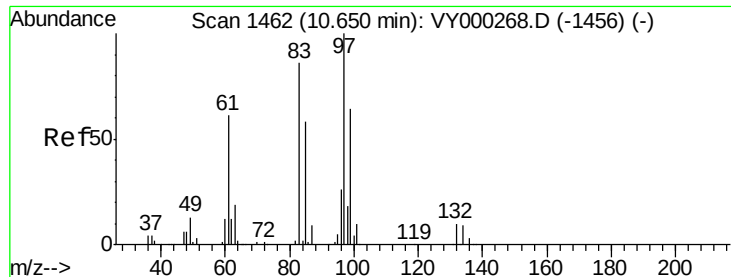
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.754 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.0	39.0
39	45.4	38.8	58.2





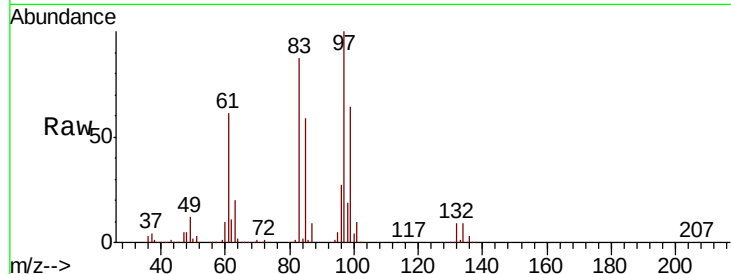
#55
 1,1,2-Trichloroethane
 Concen: 52.448 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

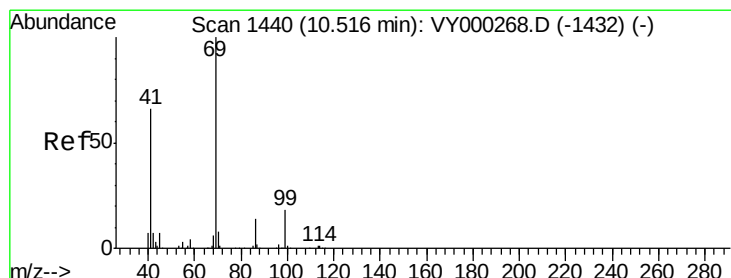
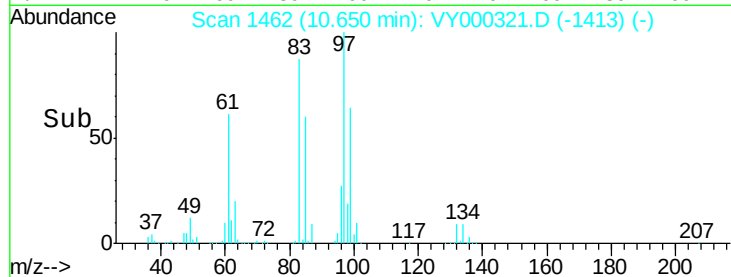
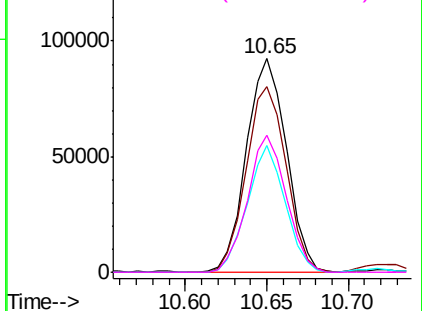
Tot Ion:	97	Resp:	158020
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	59.5	46.2	69.4
99	64.4	51.1	76.7

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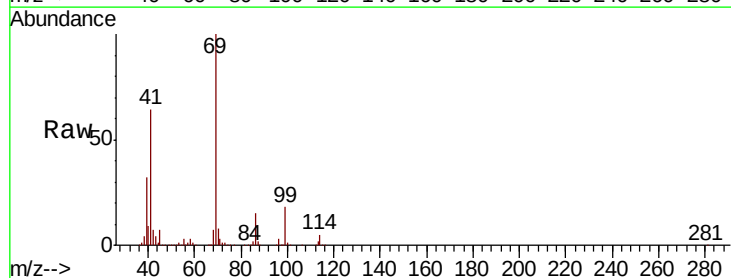


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

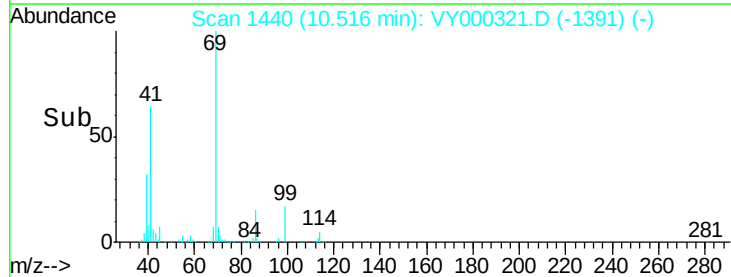
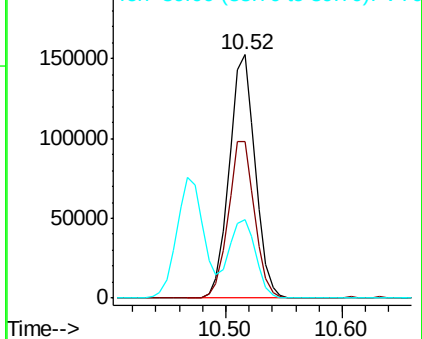


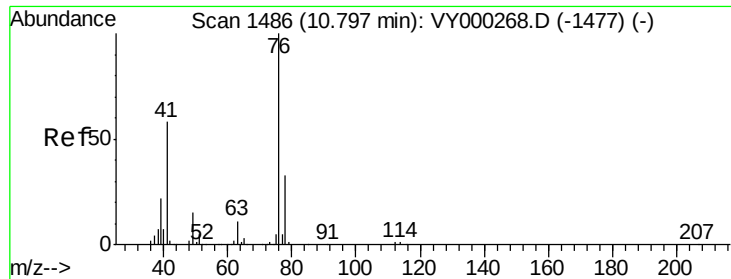
#56
 Ethyl methacrylate
 Concen: 54.916 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion:	69	Resp:	235831
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.5	78.7
39	33.2	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





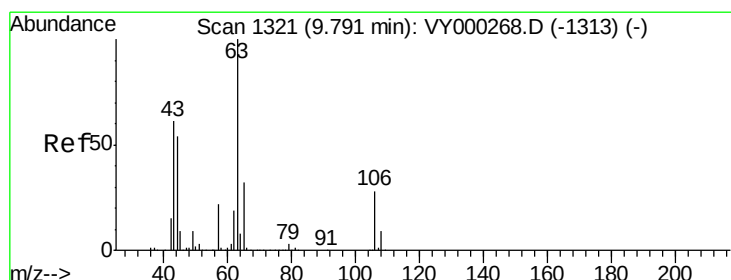
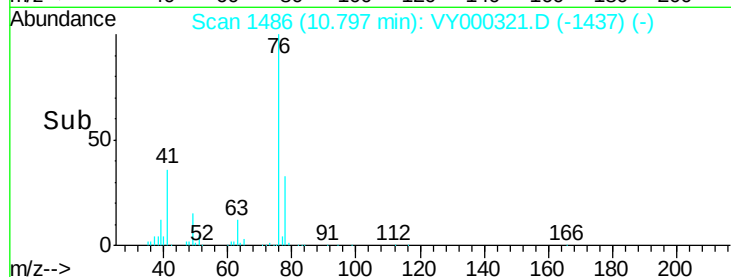
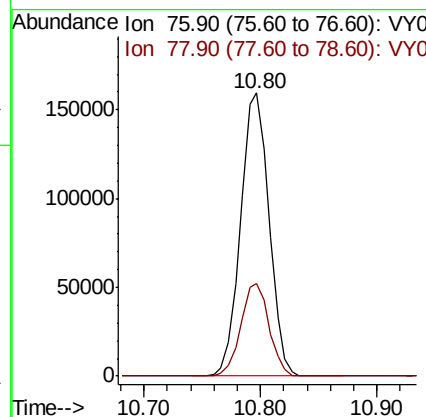
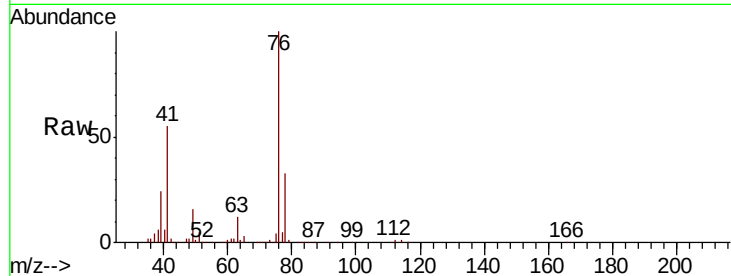
#57
 1,3-Dichloropropane
 Concen: 52.651 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 272428
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

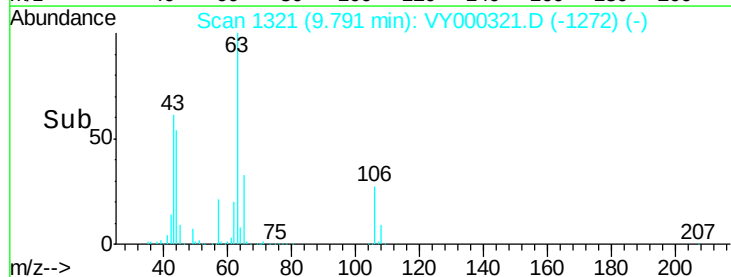
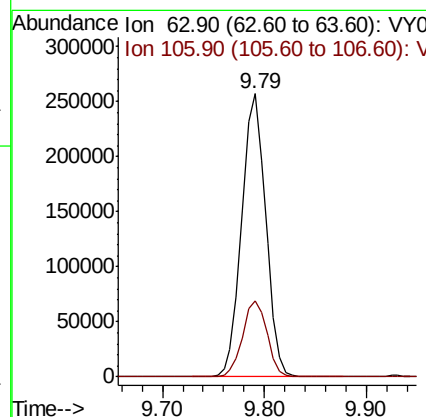
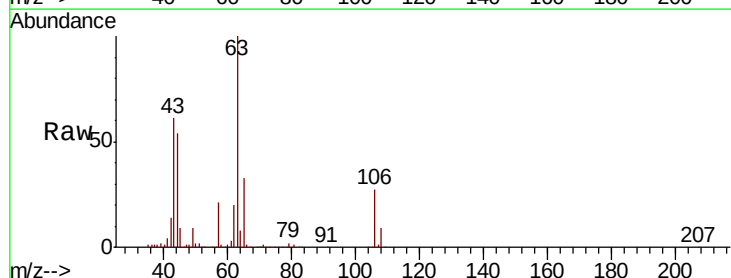
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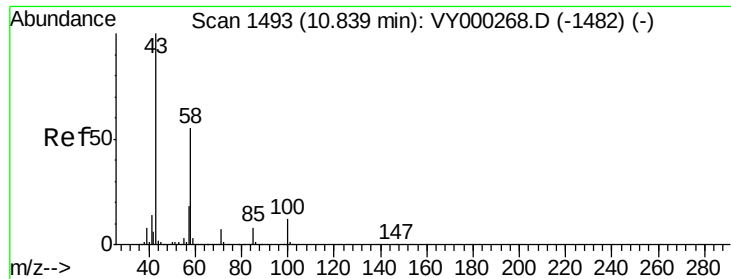
MMDadoda
 10/18/2019 12:50:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.449 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion: 63 Resp: 418719
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.0 34.4





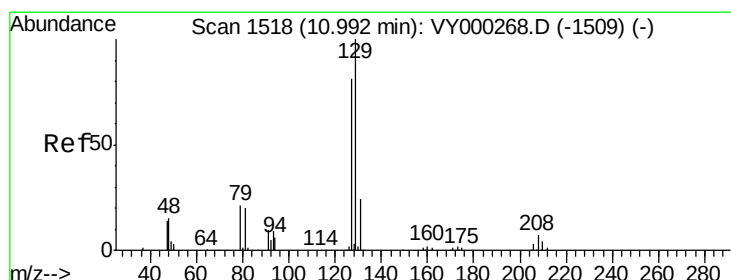
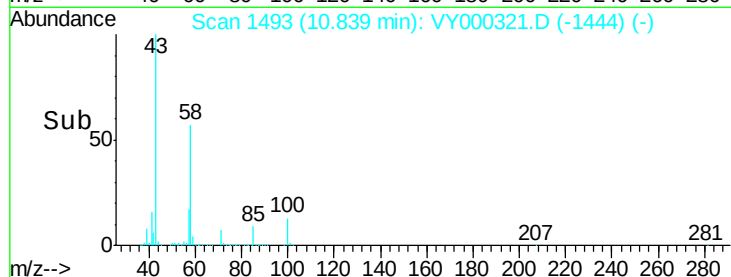
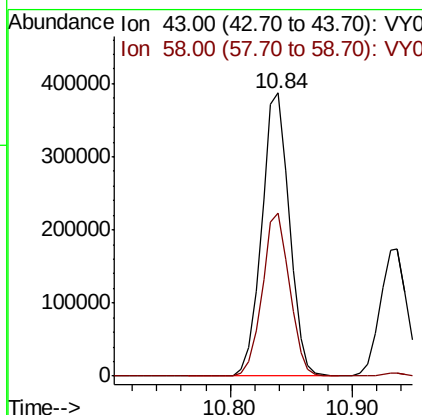
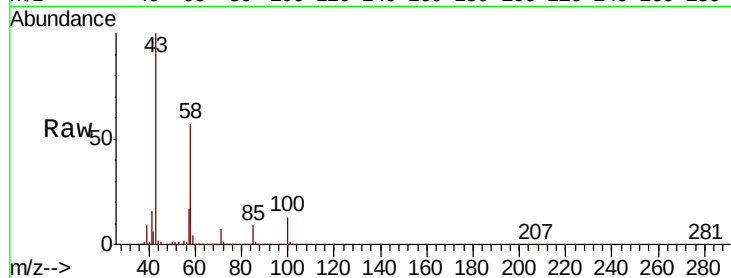
#59
2-Hexanone
Concen: 285.875 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 609040
Ion Ratio Lower Upper
43 100
58 56.8 27.7 83.1

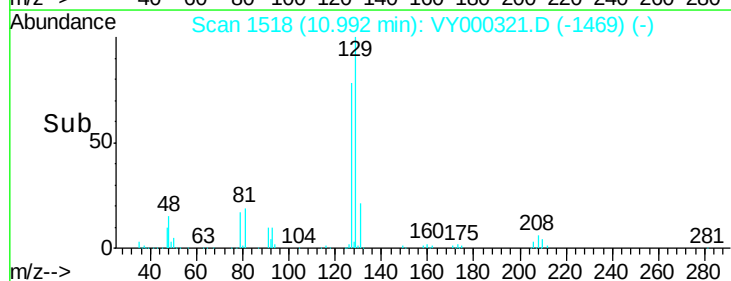
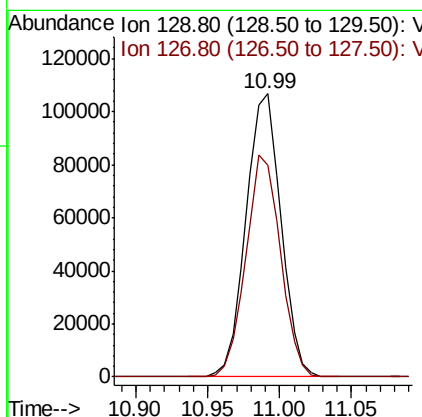
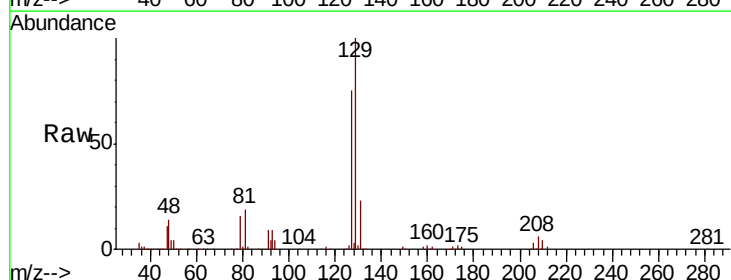
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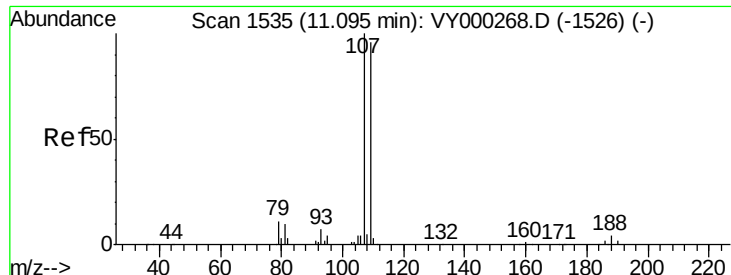
MMDadoda
10/18/2019 12:50:33 AM



#60
Dibromochloromethane
Concen: 53.531 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion: 129 Resp: 178763
Ion Ratio Lower Upper
129 100
127 77.7 39.9 119.7





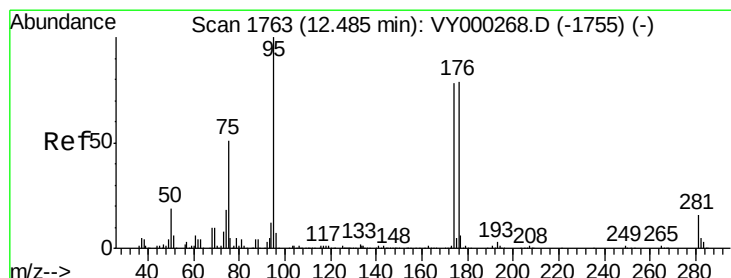
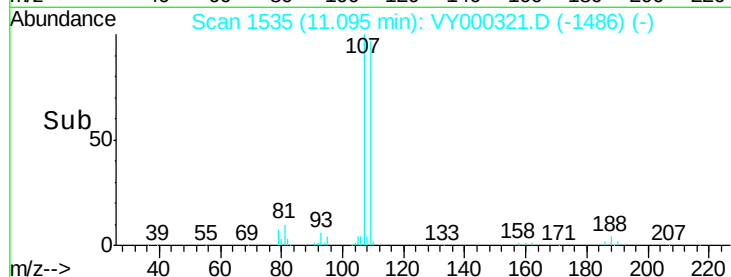
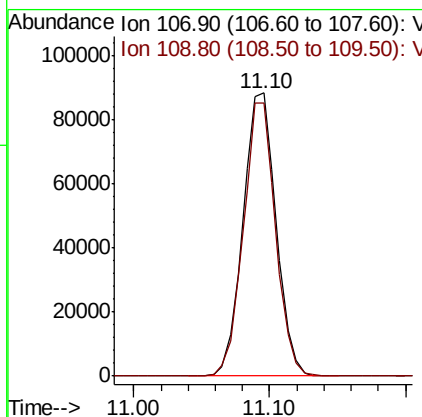
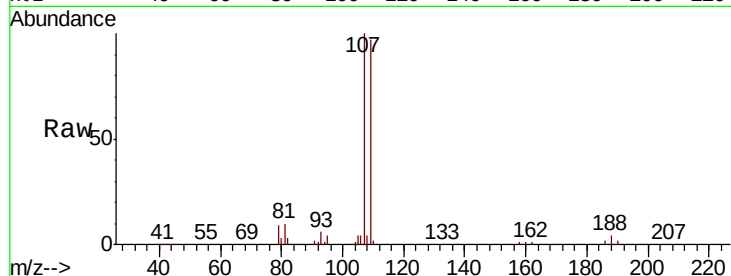
#61
 1,2-Dibromoethane
 Concen: 51.793 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.1	112.7

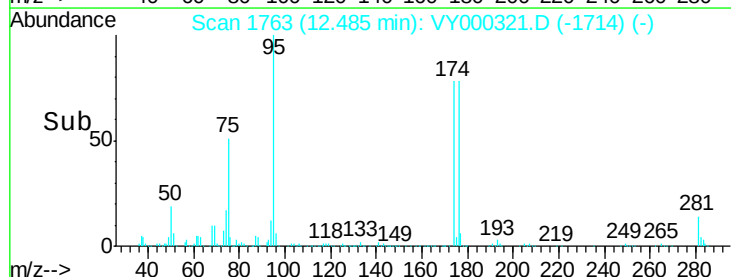
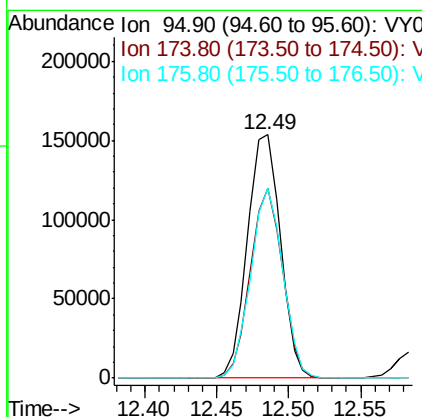
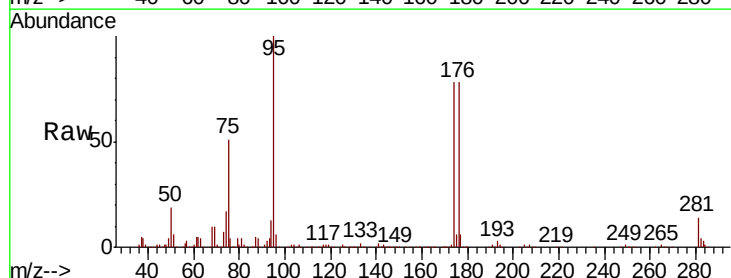
Manual Integrations
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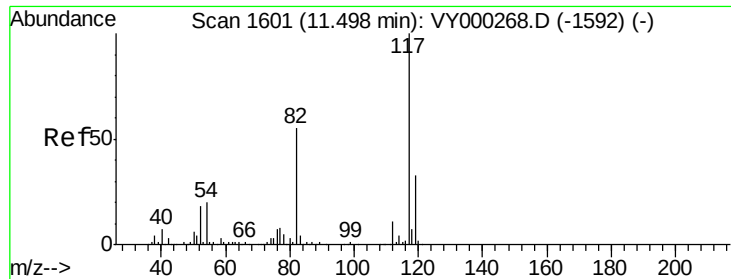
MMDadoda
 10/18/2019 12:50:33 AM



#62
 4-Bromofluorobenzene
 Concen: 51.963 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	159.6
176	75.5	0.0	153.8





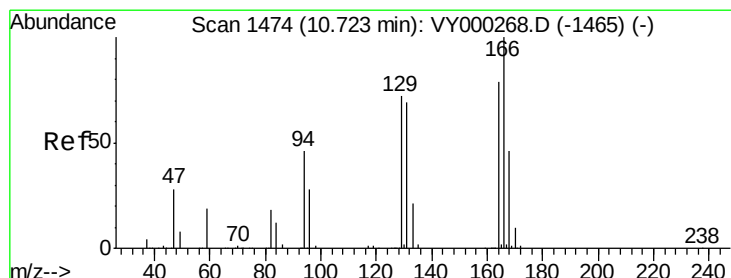
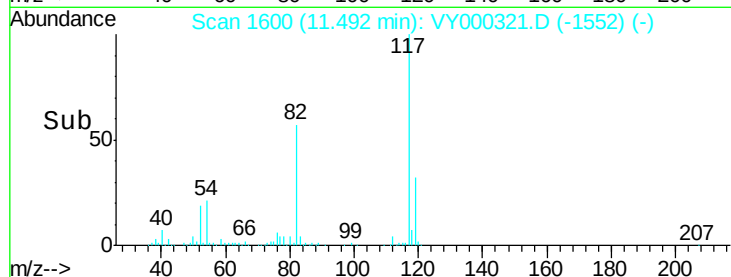
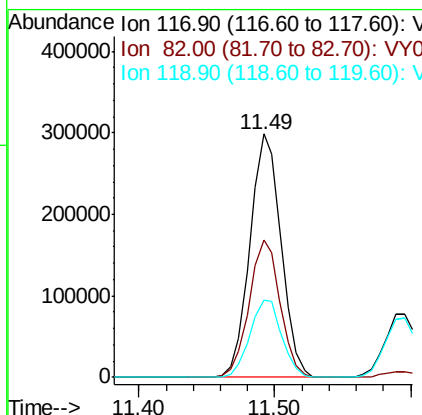
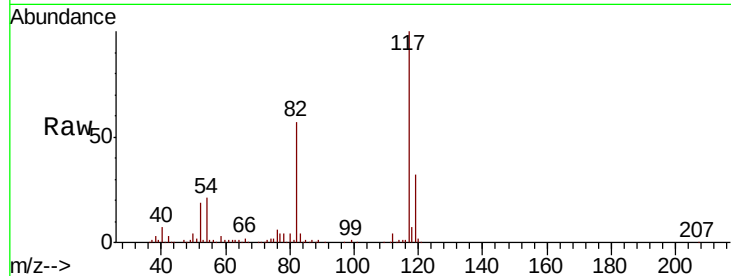
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.7	65.5
119	31.5	26.6	39.8

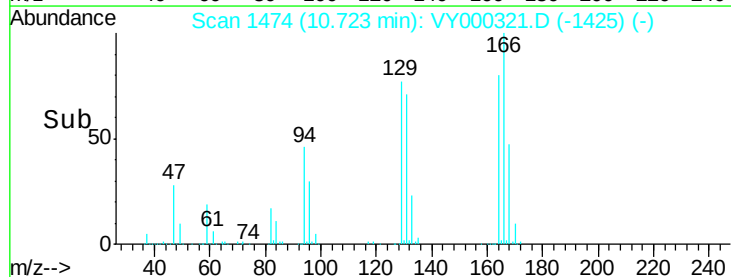
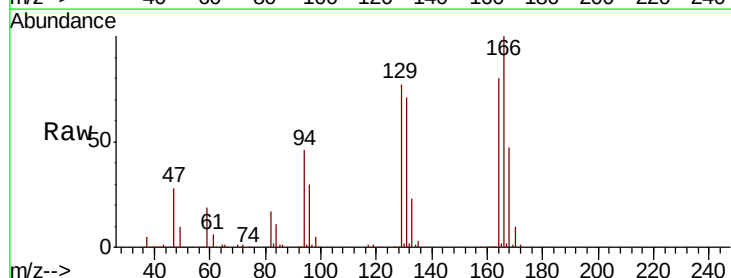
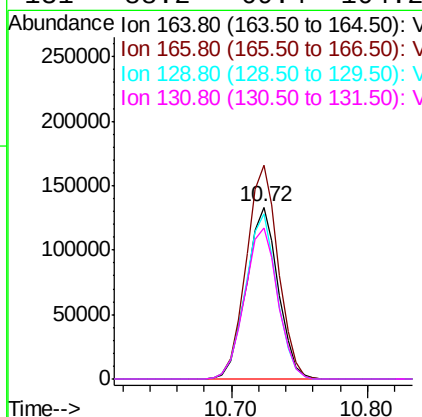
Manual Integrations
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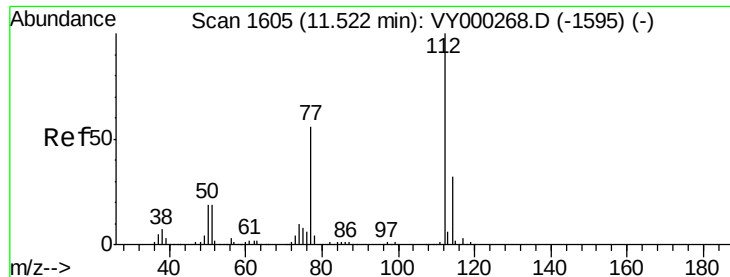
MMDadoda
10/18/2019 12:50:33 AM



#64
Tetrachloroethene
Concen: 47.884 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	100.6	151.0
129	96.3	72.8	109.2
131	88.2	69.4	104.2





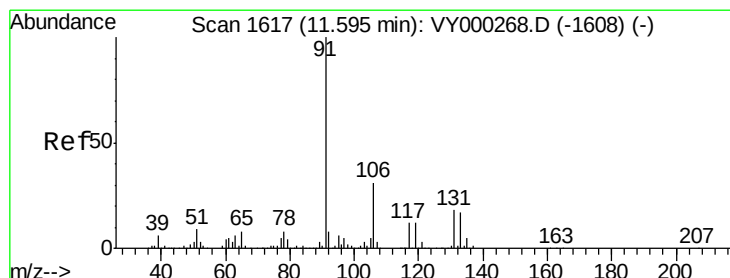
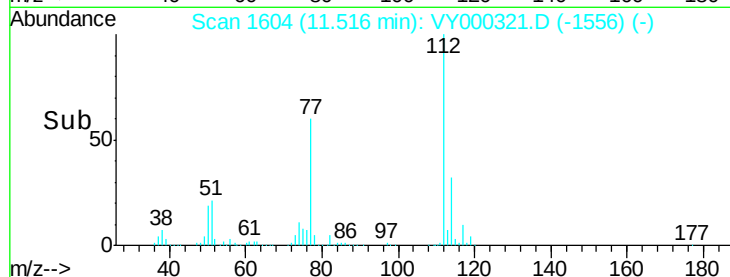
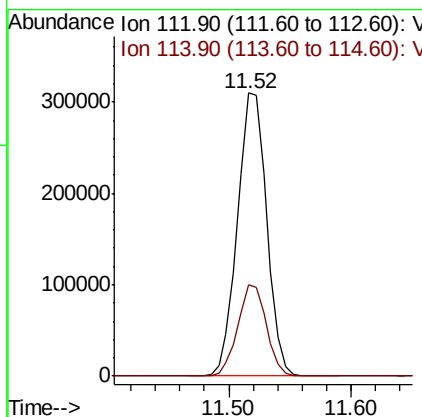
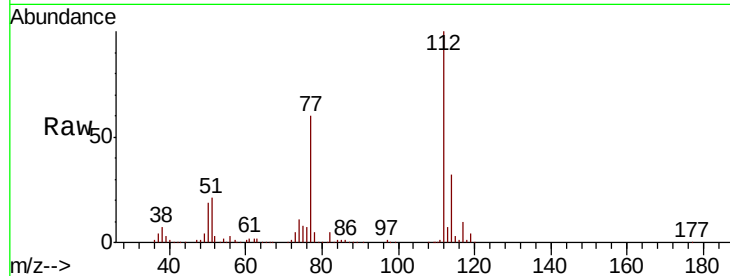
#65
Chlorobenzene
Concen: 50.697 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

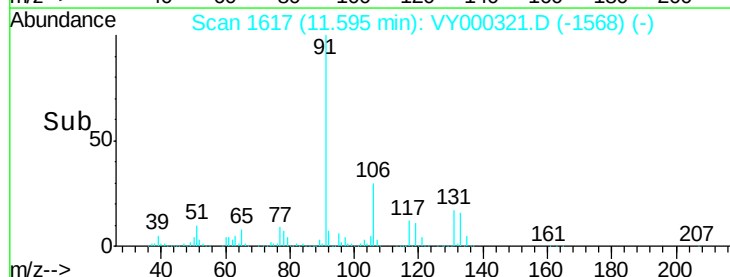
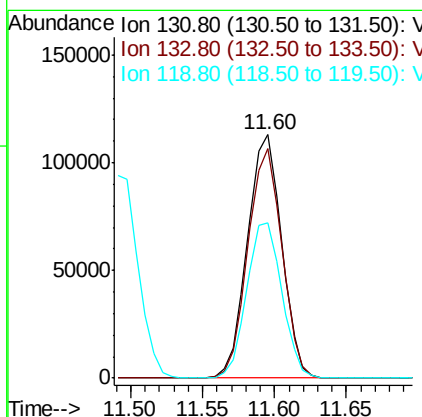
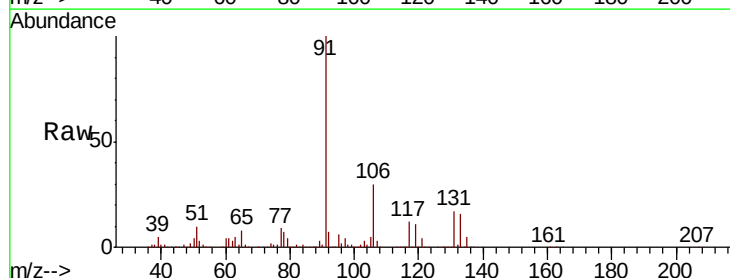
Manual Integrations
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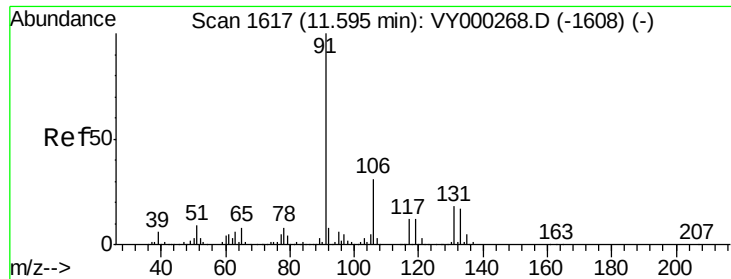
MMDadoda
10/18/2019 12:50:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.107 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.2	141.6
119	65.6	32.6	98.0





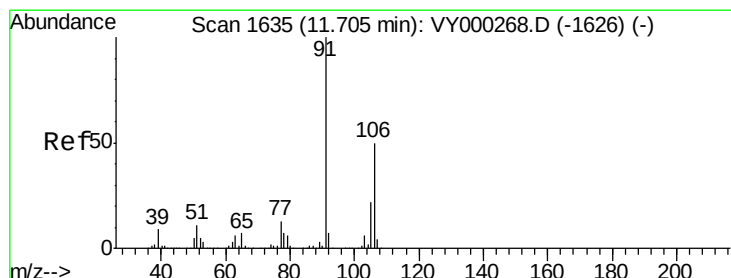
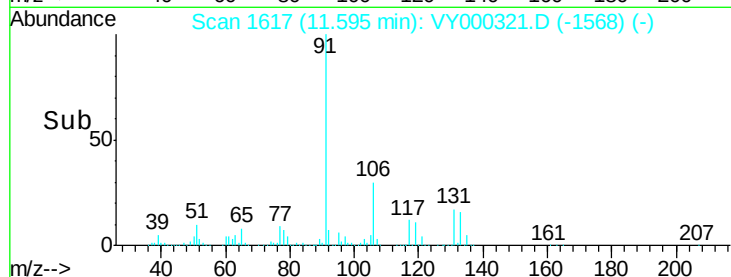
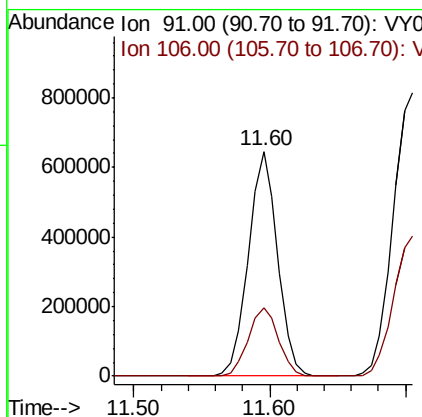
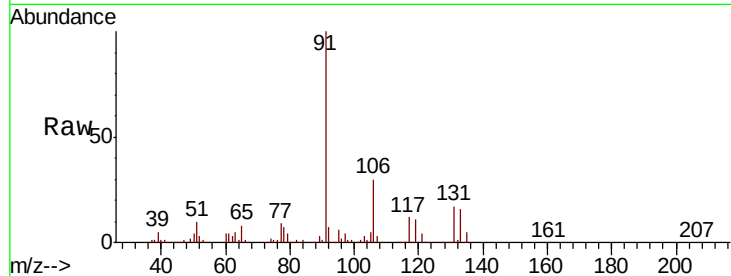
#67
Ethyl Benzene
Concen: 51.549 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 967519
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6

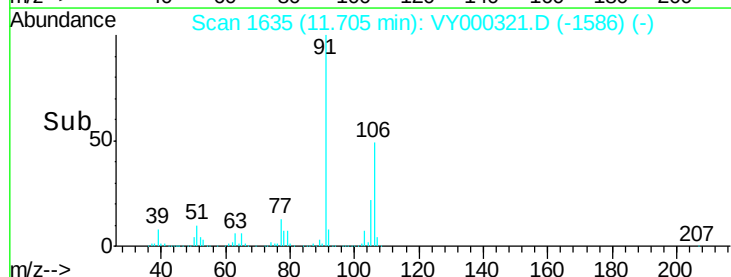
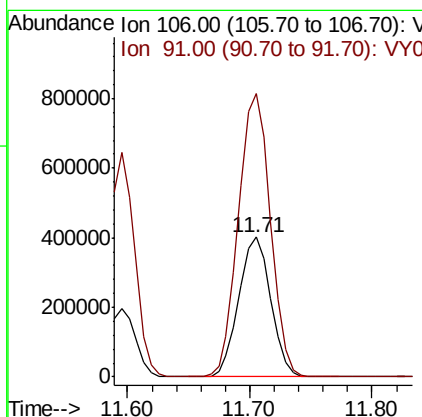
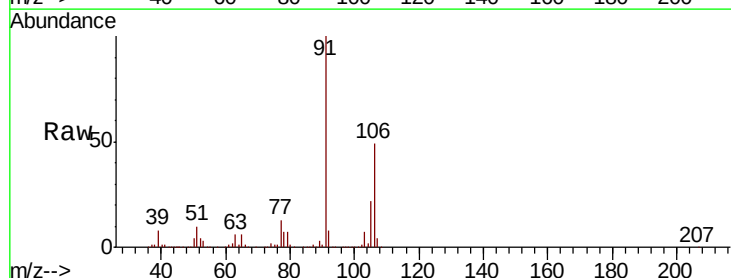
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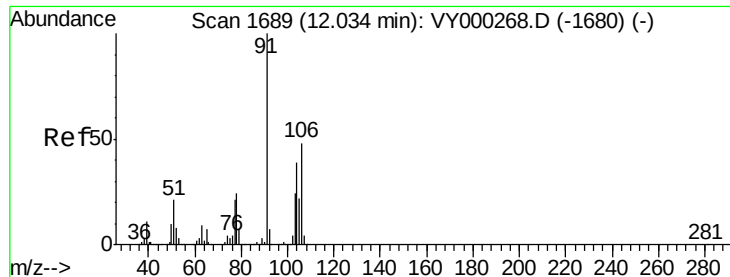
MMDadoda
10/18/2019 12:50:33 AM



#68
m/p-Xylenes
Concen: 101.664 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion: 106 Resp: 729442
Ion Ratio Lower Upper
106 100
91 202.8 157.5 236.3





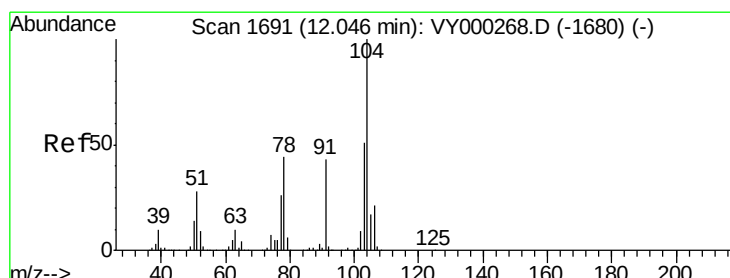
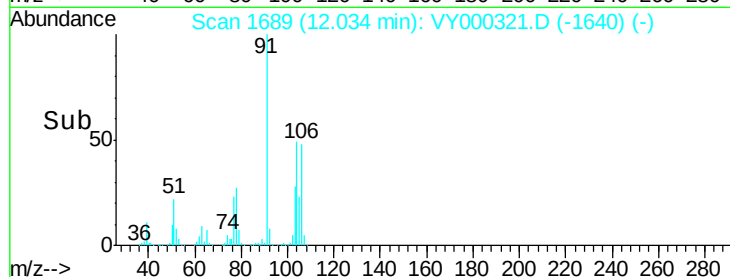
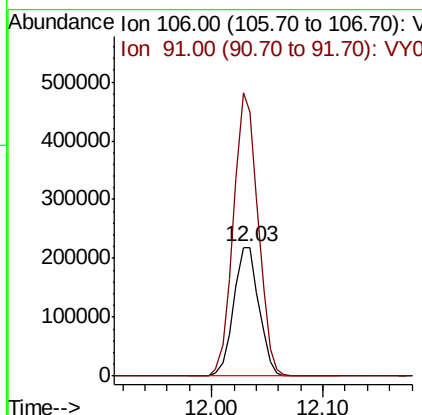
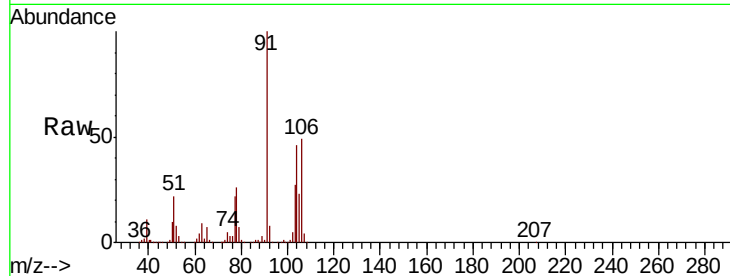
#69
o-Xylene
Concen: 50.350 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.5	104.7	313.9

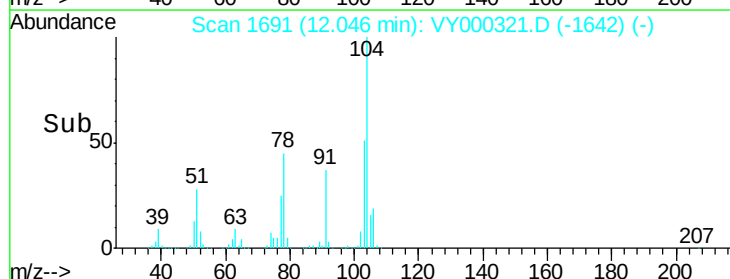
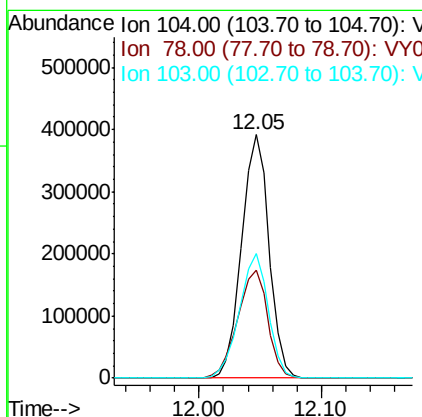
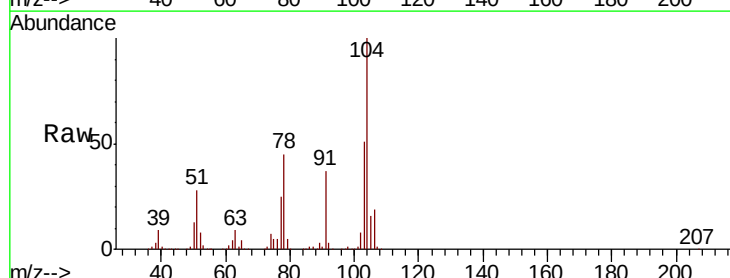
Manual Integrations
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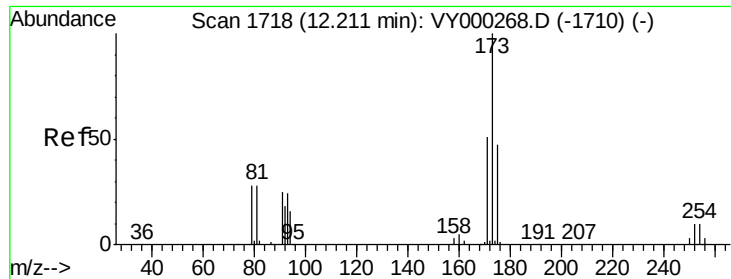
MMDadoda
10/18/2019 12:50:33 AM



#70
Styrene
Concen: 52.646 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.0	58.6
103	54.2	43.1	64.7





#71

Bromoform

Concen: 53.138 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 108643

Ion Ratio Lower Upper

173 100

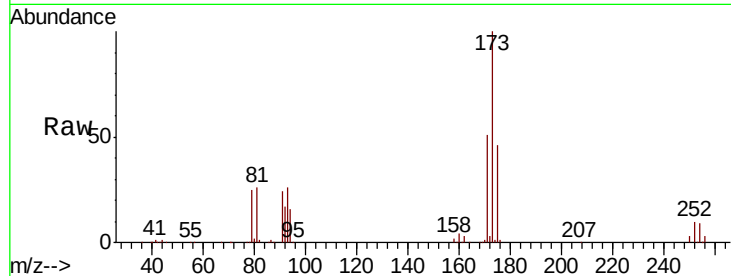
175 48.2 24.6 73.6

254 0.2 0.1 0.1#

Manual Integrations
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MMDadoda

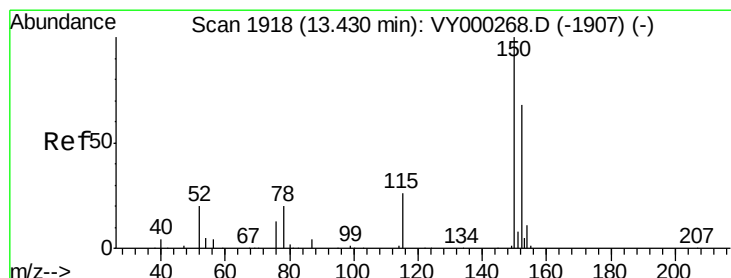
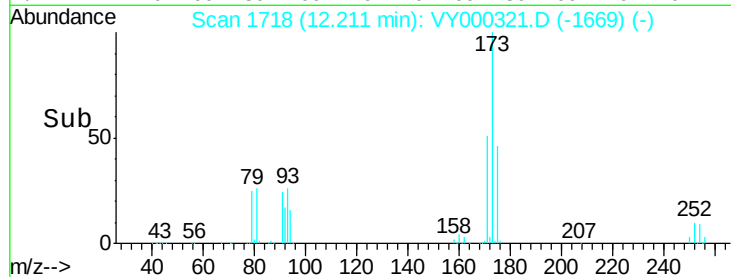
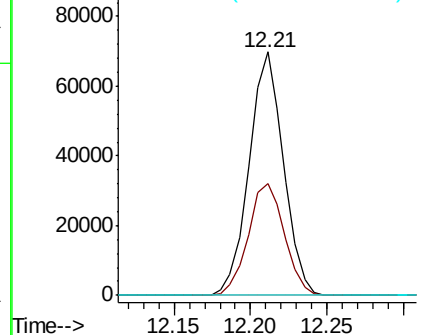
10/18/2019 12:50:33 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

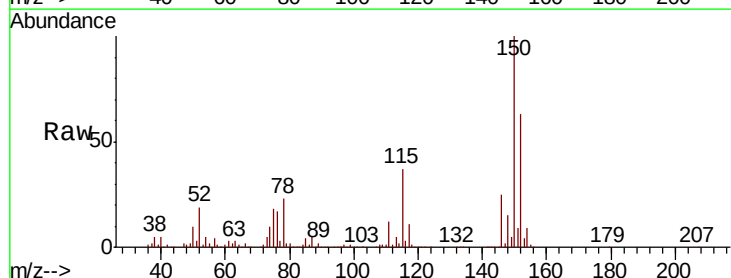
Tgt Ion:152 Resp: 238827

Ion Ratio Lower Upper

152 100

115 59.9 29.3 88.0

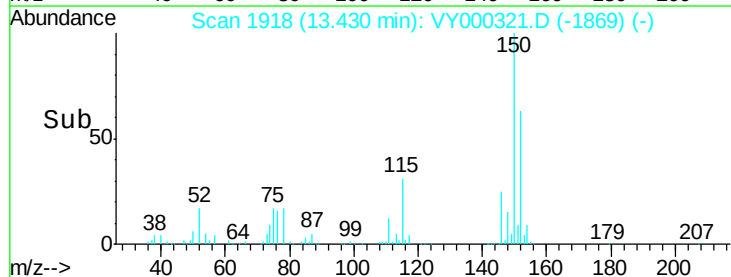
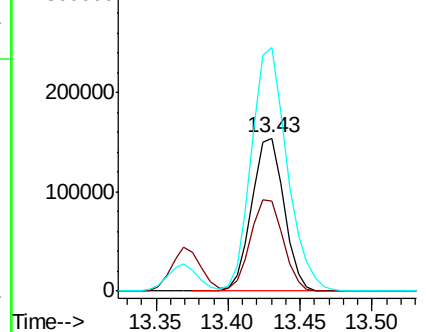
150 176.2 0.0 348.4

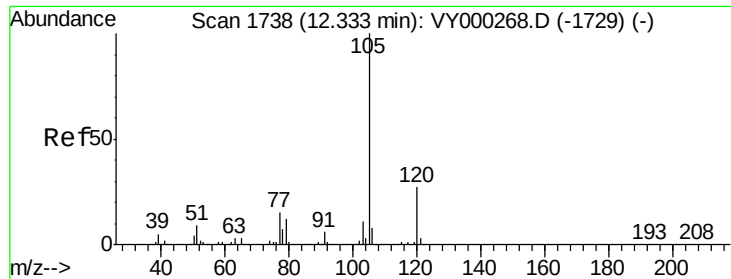


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.179 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 953075

Ion Ratio Lower Upper

105 100

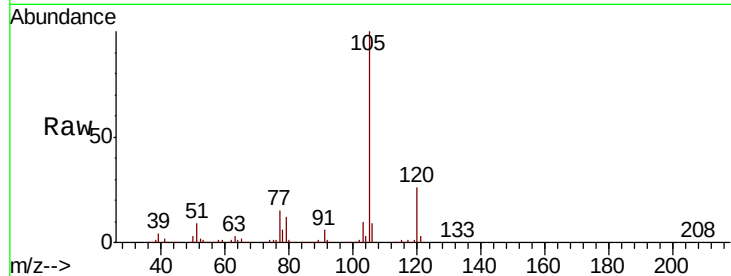
120 26.9 13.4 40.2

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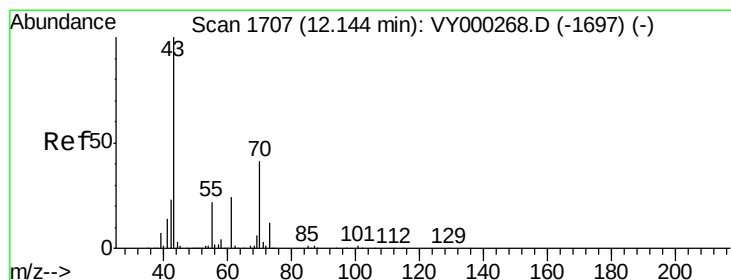
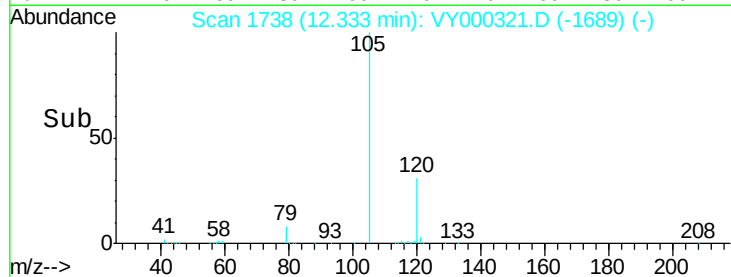
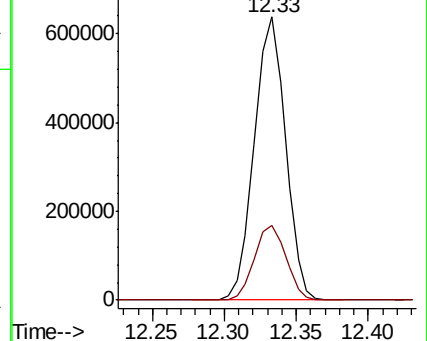
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 62.011 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Tgt Ion: 43 Resp: 283497

Ion Ratio Lower Upper

43 100

70 43.1 32.9 49.3

55 22.8 17.8 26.6

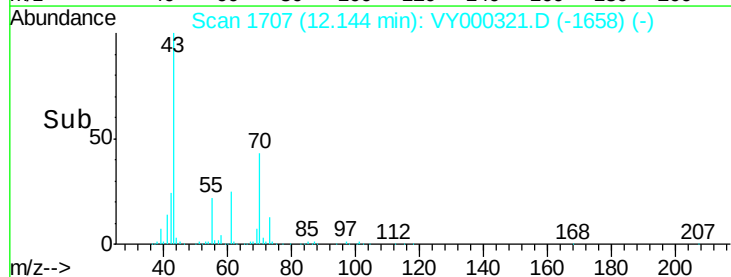
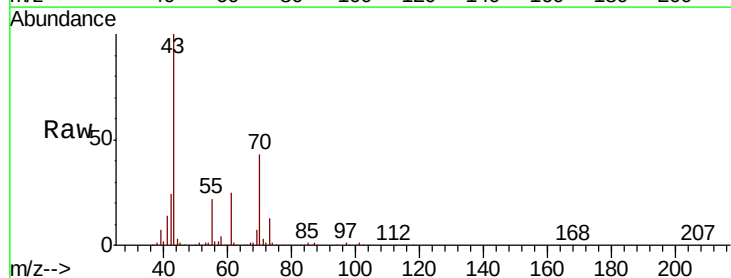
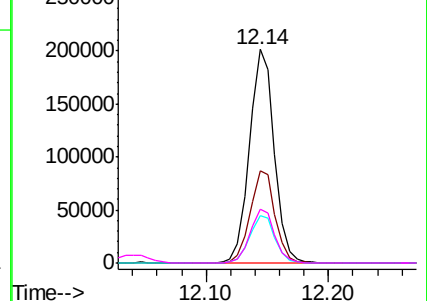
61 25.1 19.5 29.3

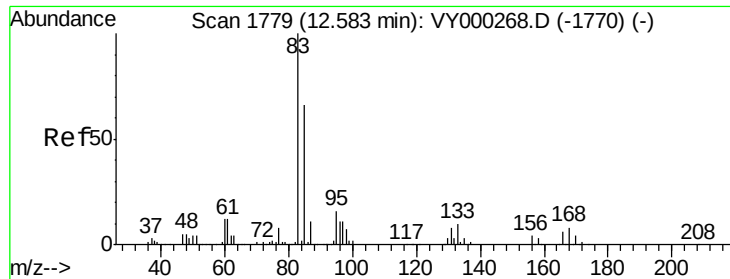
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.548 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

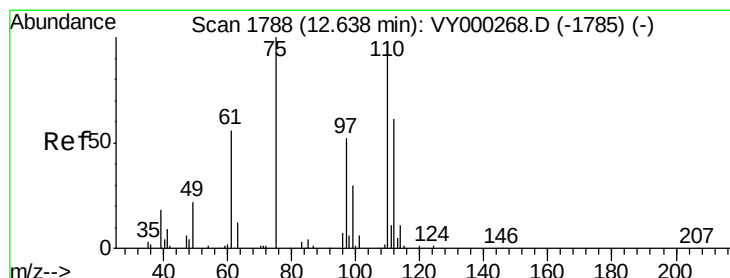
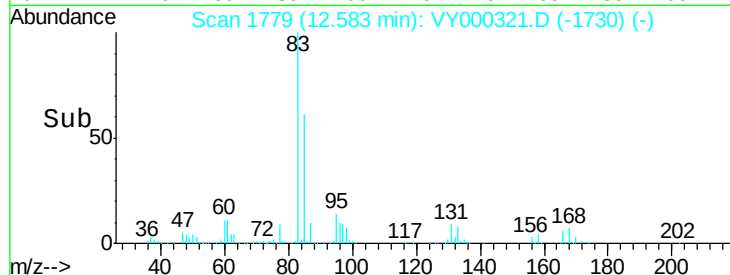
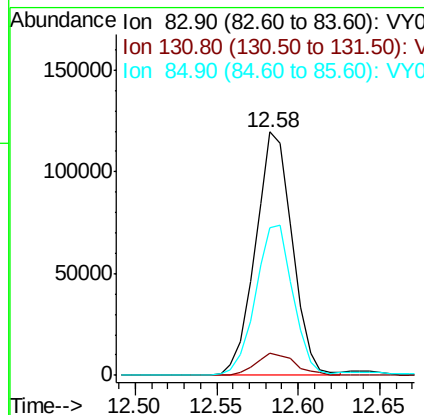
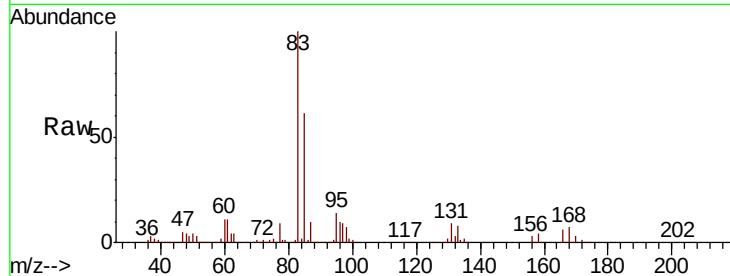
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187227
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.3	16.1
85	62.7	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 42.077 ug/l m

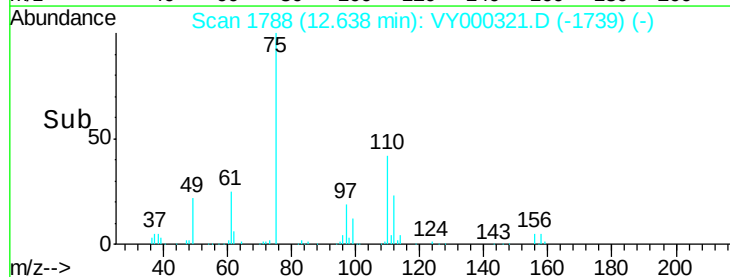
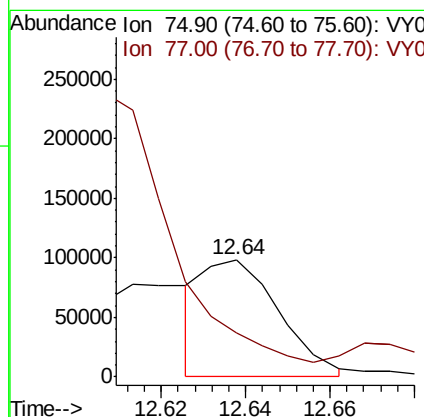
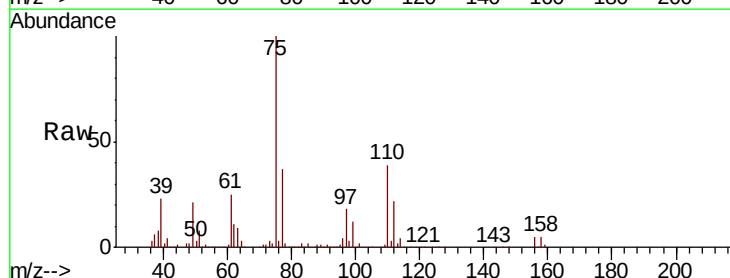
RT: 12.64 min Scan# 1788

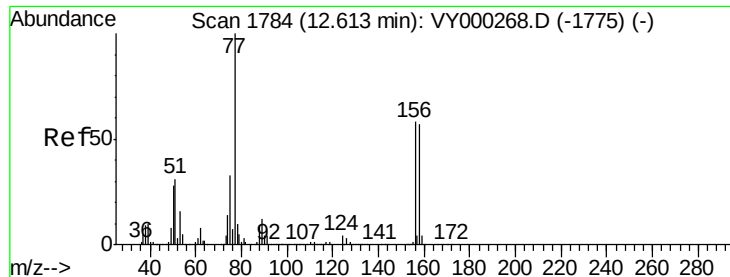
Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Tgt Ion:	75	Resp:	123571
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





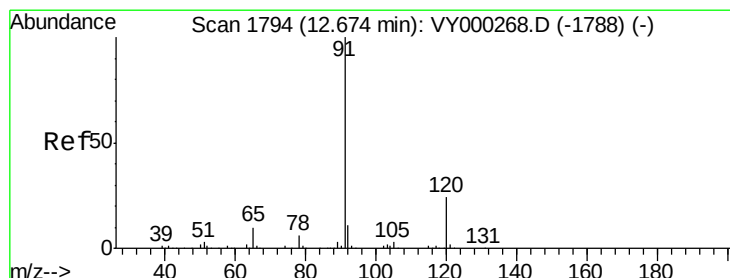
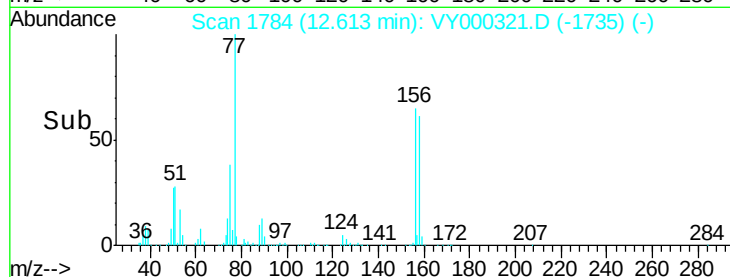
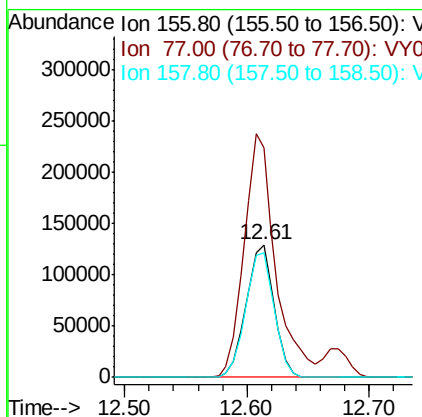
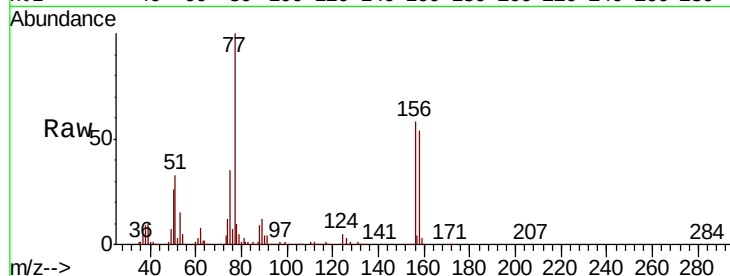
#77
Bromobenzene
Concen: 49.687 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	206.0	101.0	302.9
158	96.6	49.7	149.1

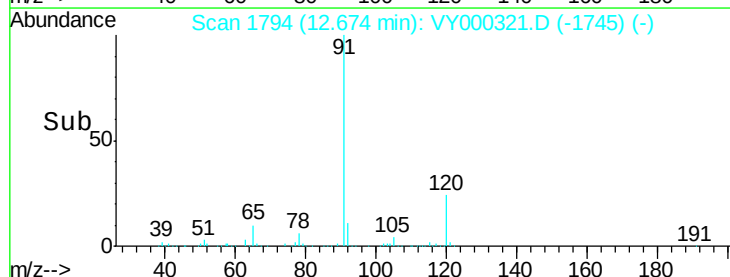
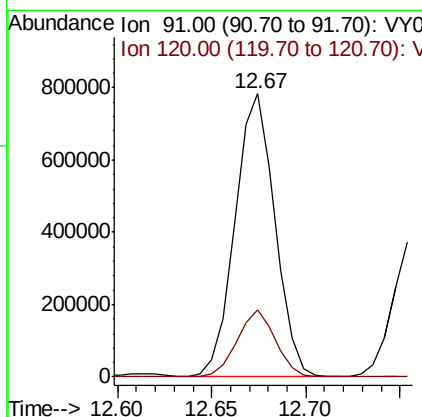
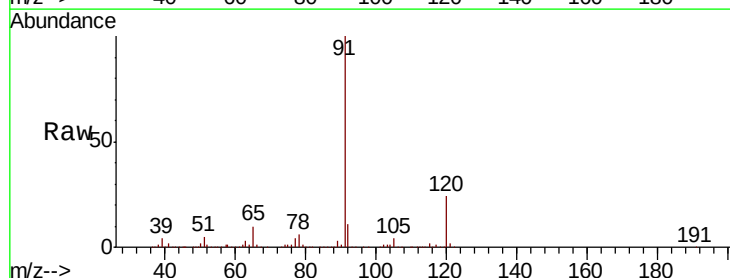
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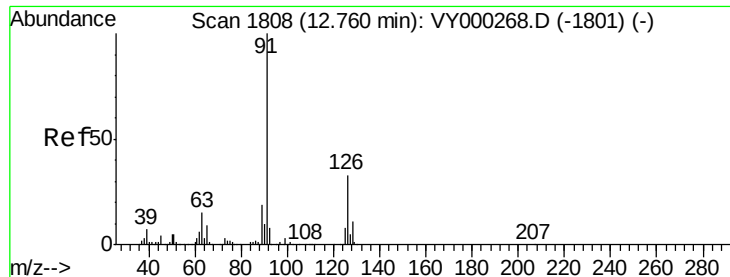
MMDadoda
10/18/2019 12:50:33 AM



#78
n-propylbenzene
Concen: 51.290 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.5





#79

2-Chlorotoluene

Concen: 51.535 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 636352

Ion Ratio Lower Upper

91 100

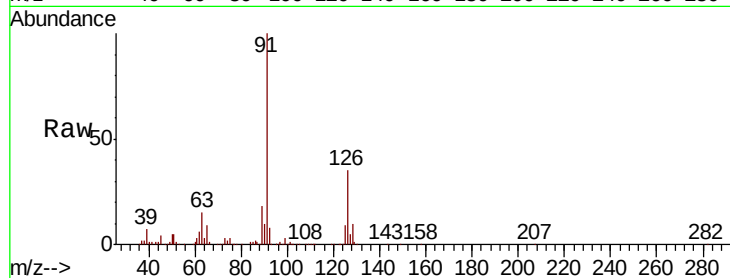
126 34.0 17.1 51.3

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Abundance Ion 91.00 (90.70 to 91.70): VY000321.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY000321.D (-1759) (-)

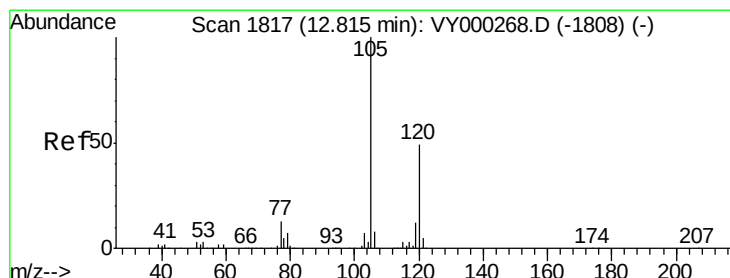
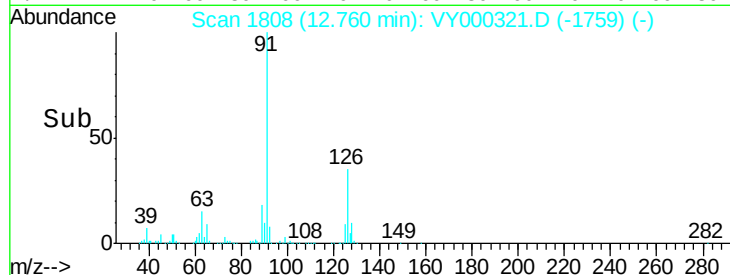
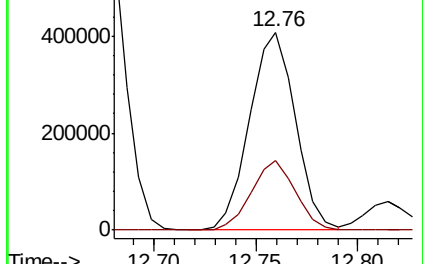
600000

400000

200000

0

12.70 12.75 12.80



#80

1,3,5-Trimethylbenzene

Concen: 50.842 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000321.D

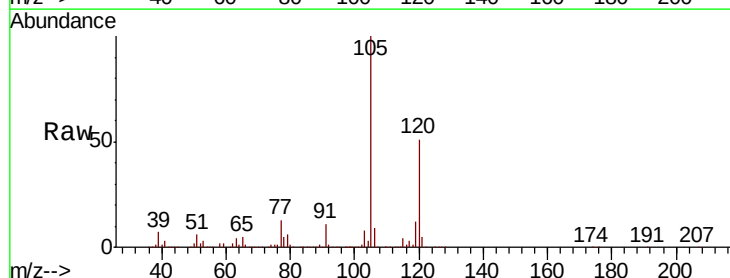
Acq: 16 Oct 2019 11:28

Tgt Ion: 105 Resp: 793908

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000321.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000321.D (-1768) (-)

600000

500000

400000

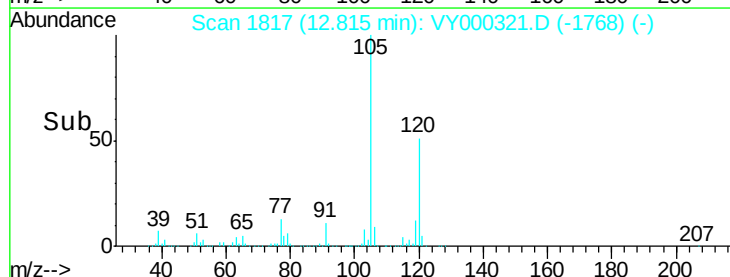
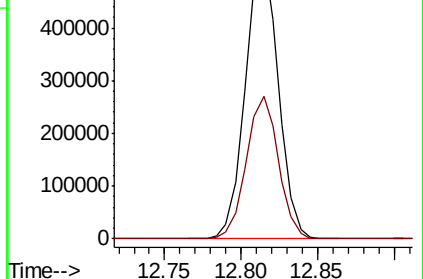
300000

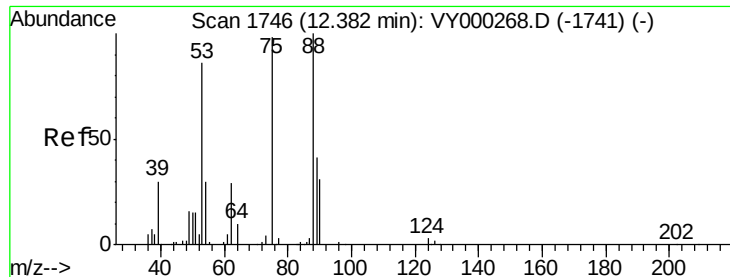
200000

100000

0

12.75 12.80 12.85





#81

trans-1,4-Dichloro-2-butene

Concen: 52.821 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 70898

Ion Ratio Lower Upper

75 100

53 82.3 71.3 106.9

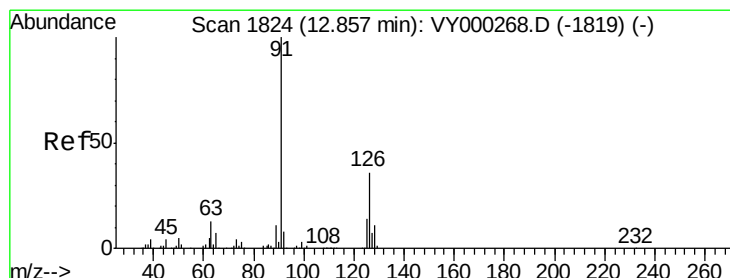
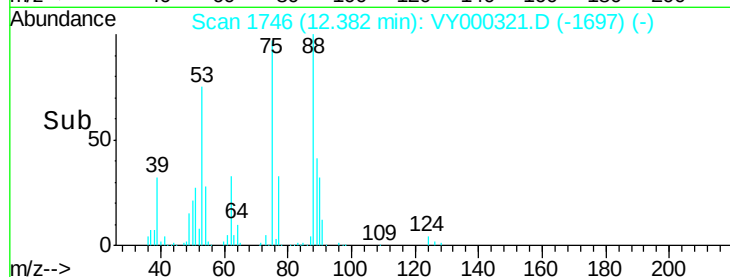
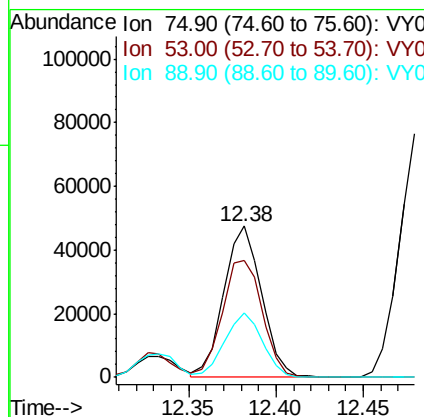
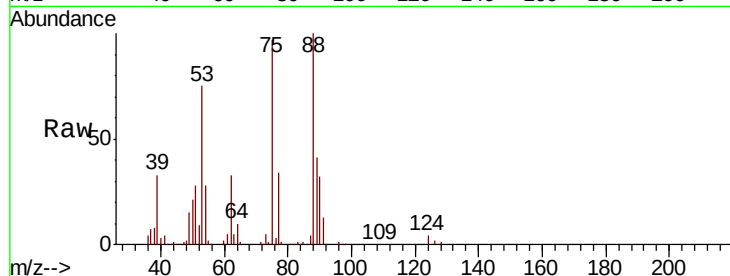
89 42.7 35.1 52.7

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#82

4-Chlorotoluene

Concen: 51.763 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VY000321.D

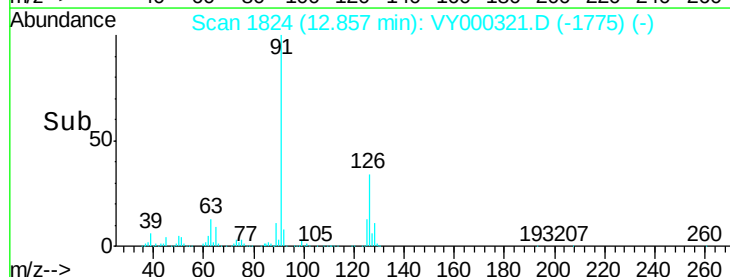
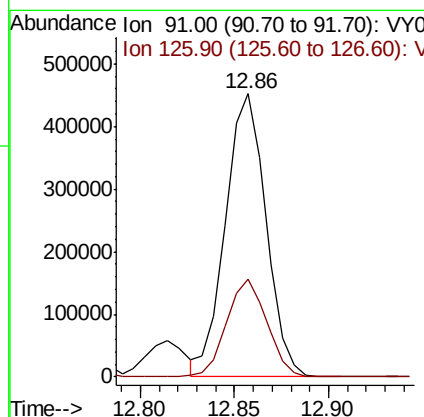
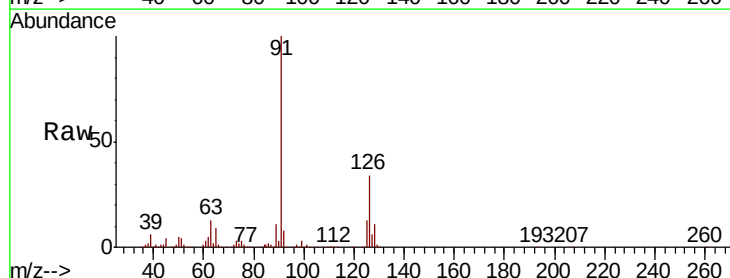
Acq: 16 Oct 2019 11:28

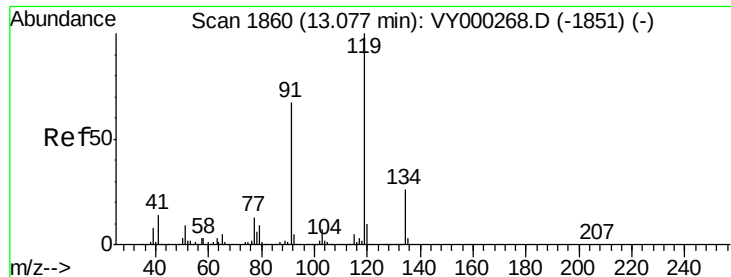
Tgt Ion: 91 Resp: 675629

Ion Ratio Lower Upper

91 100

126 34.2 17.2 51.5





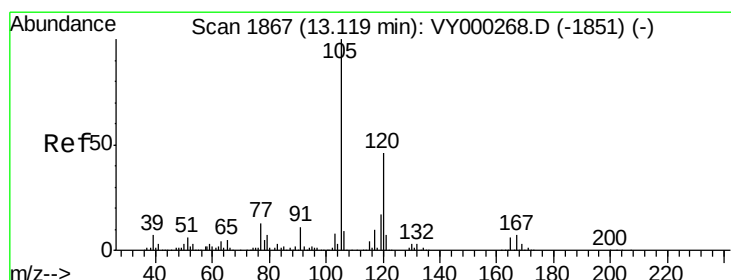
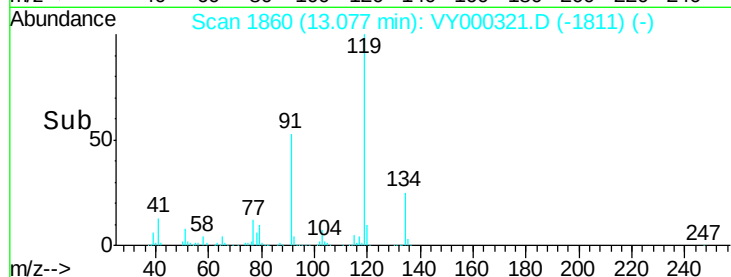
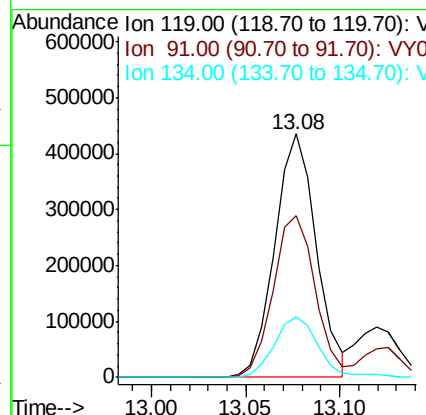
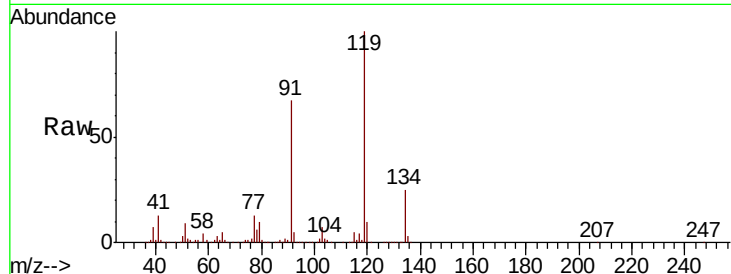
#83
 tert-Butylbenzene
 Concen: 50.253 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.7
134	26.5	13.3	39.8

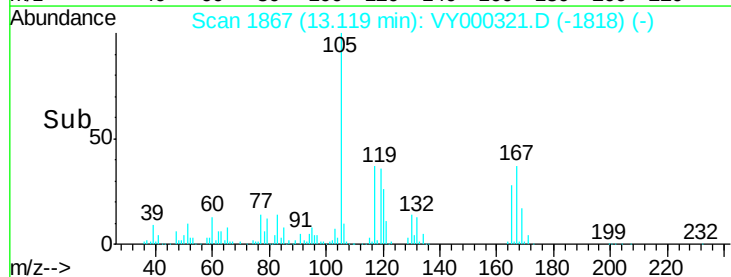
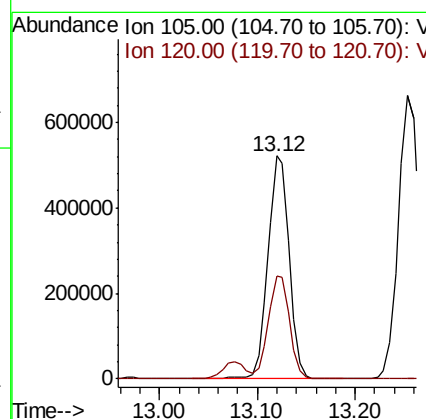
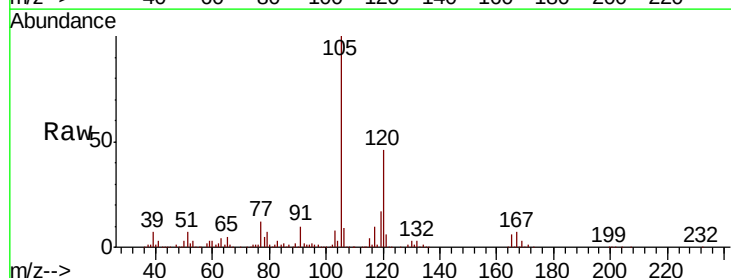
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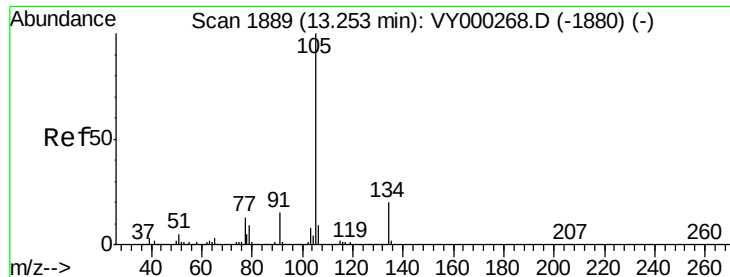
MMDadoda
 10/18/2019 12:50:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.466 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 51.725 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 989468

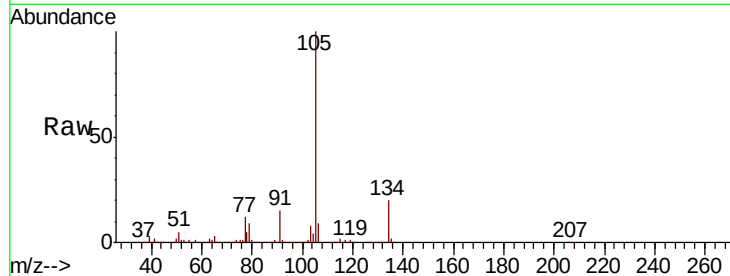
Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

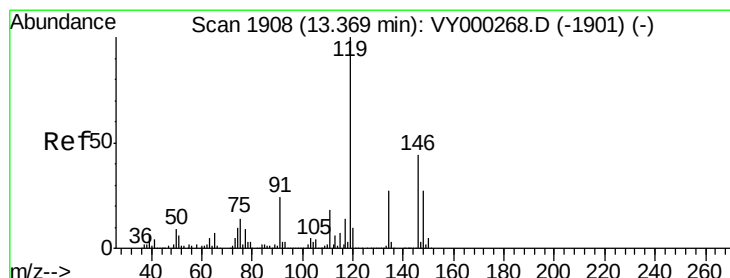
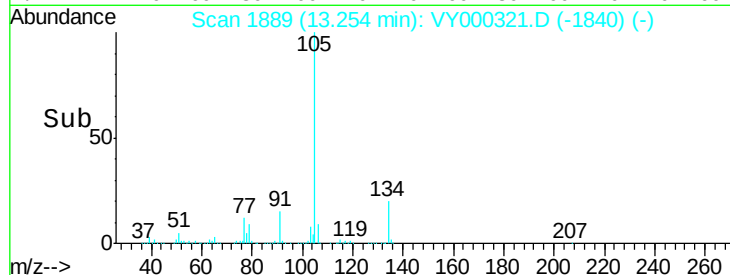
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.864 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000321.D

Acq: 16 Oct 2019 11:28

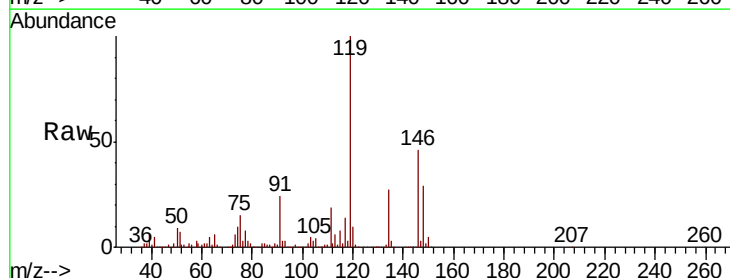
Tgt Ion:119 Resp: 864947

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.4 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

800000

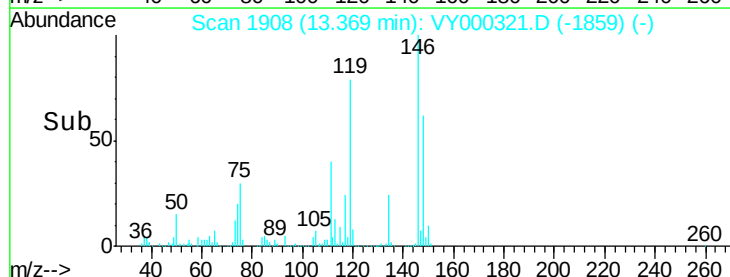
600000

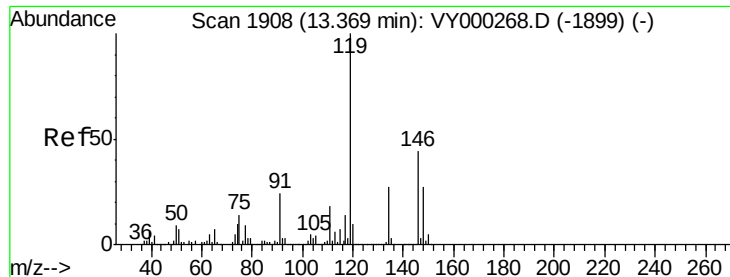
400000

200000

0

Time-->





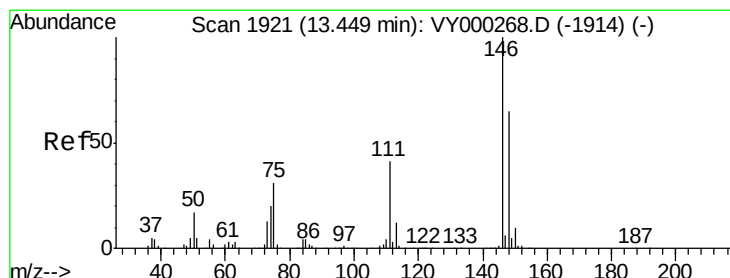
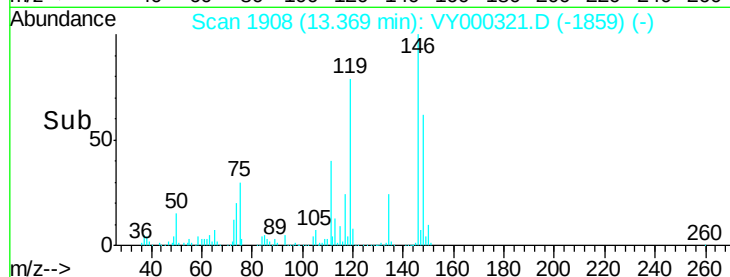
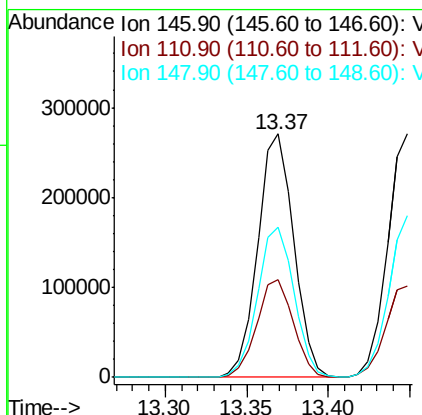
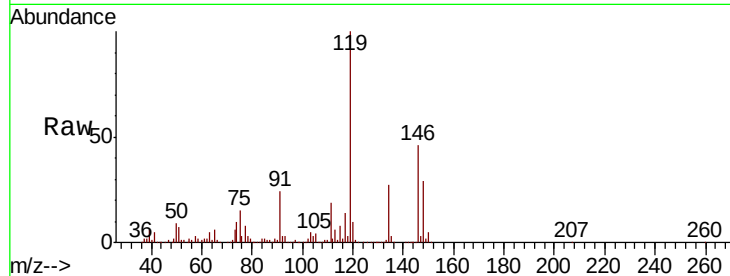
#87
 1,3-Dichlorobenzene
 Concen: 50.724 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.8
148	62.5	31.9	95.5

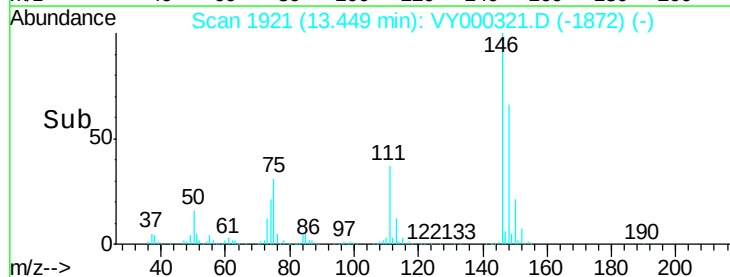
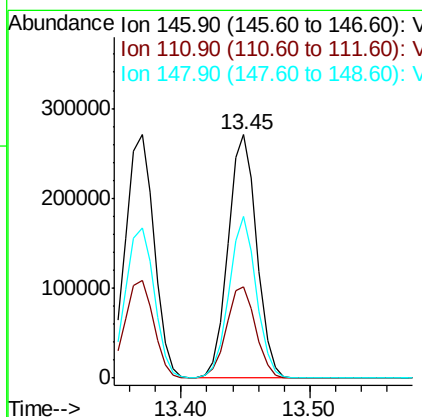
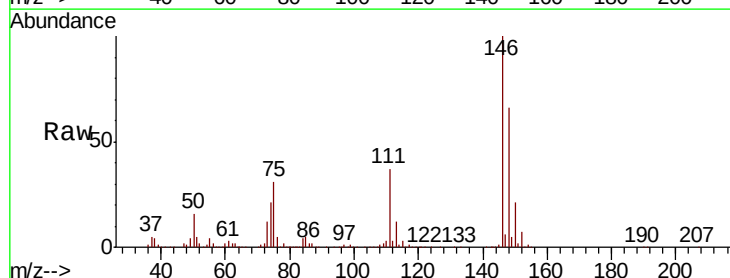
Manual Integrations
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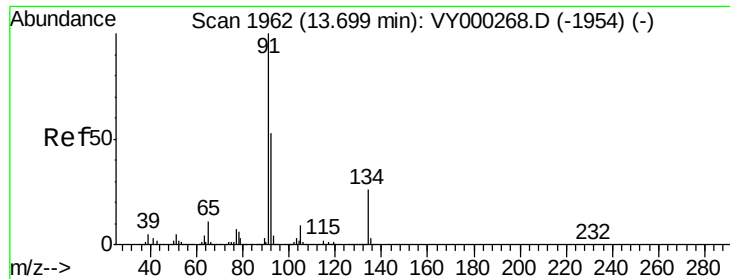
MMDadoda
 10/18/2019 12:50:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.416 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	63.4	32.4	97.2





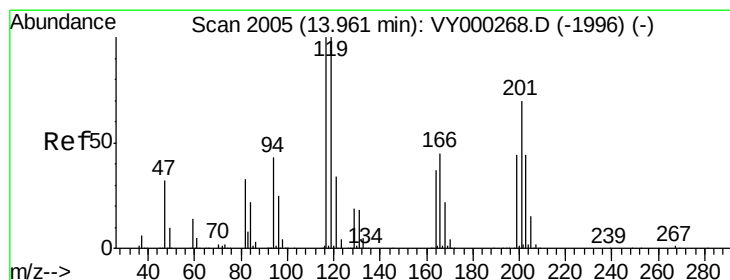
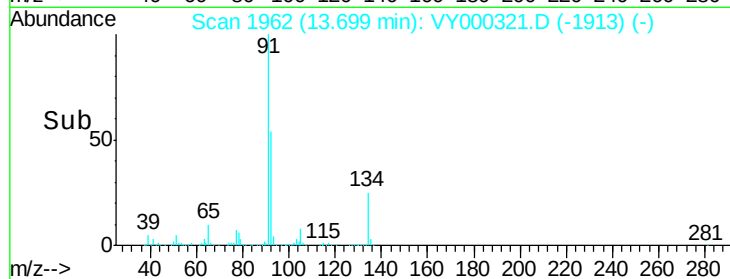
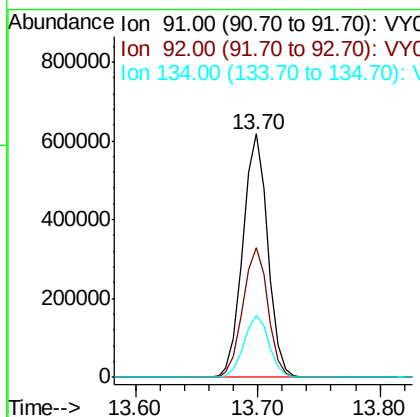
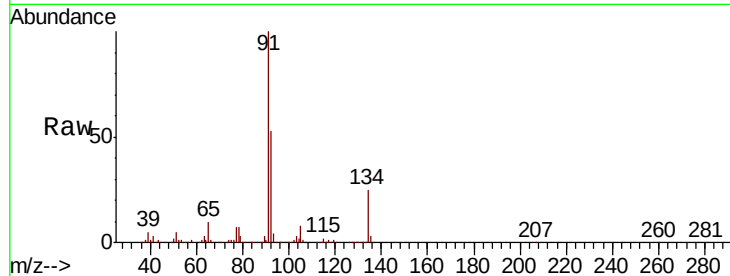
#89
n-Butylbenzene
Concen: 52.747 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.1
134	25.6	13.0	38.9

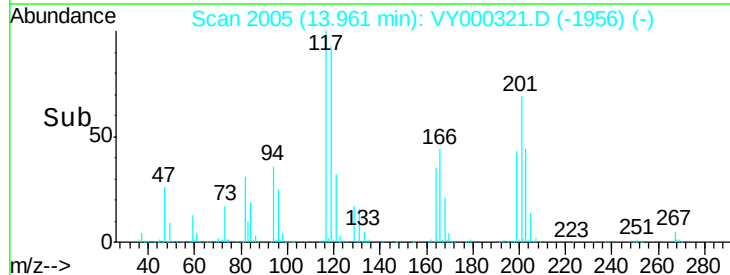
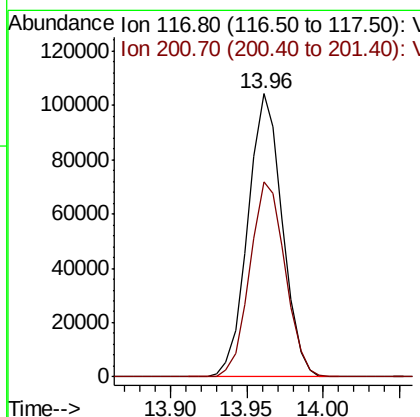
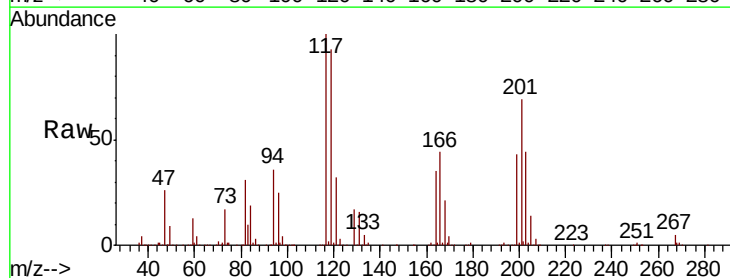
Manual Integrations
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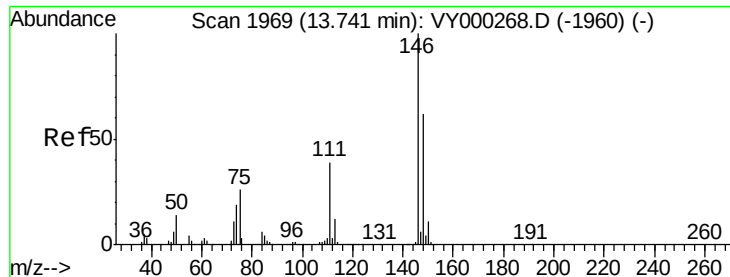
MMDadoda
10/18/2019 12:50:33 AM



#90
Hexachloroethane
Concen: 52.796 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	36.3	108.7





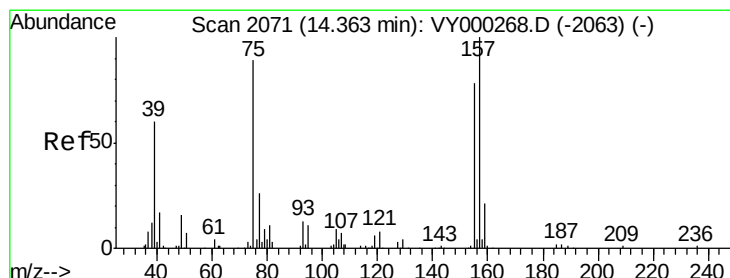
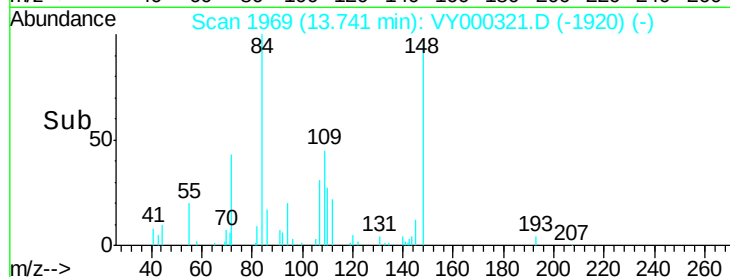
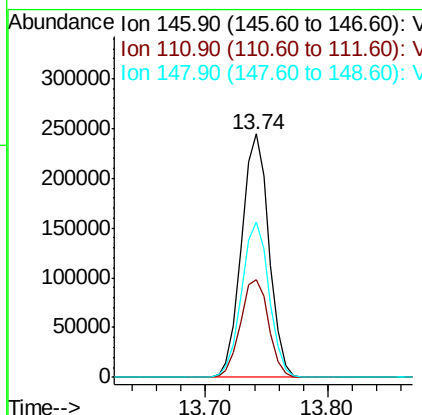
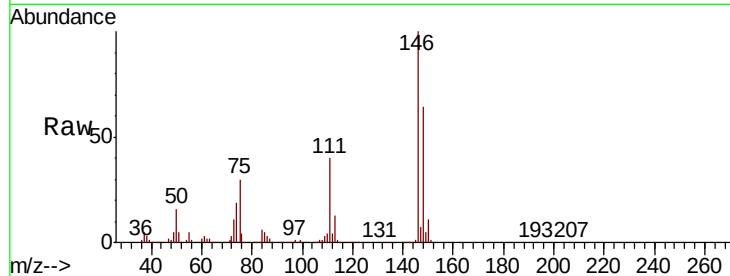
#91
 1,2-Dichlorobenzene
 Concen: 51.333 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	64.1	31.6	95.0

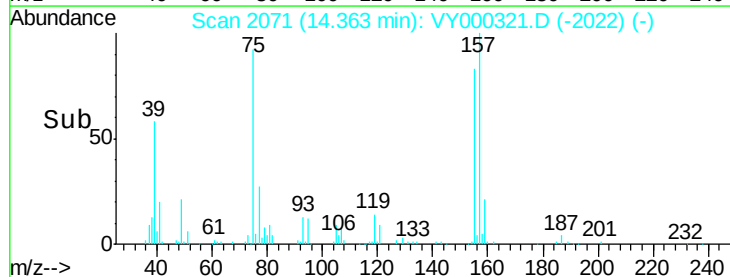
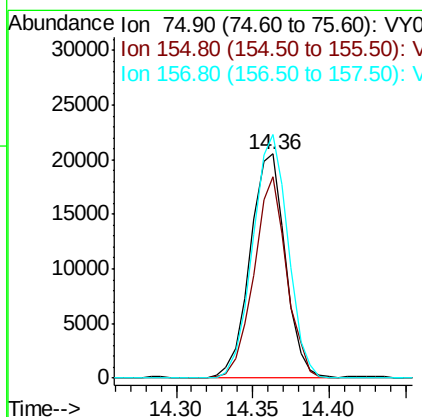
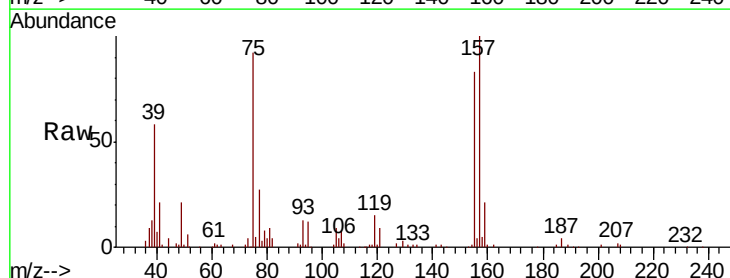
Manual Integrations
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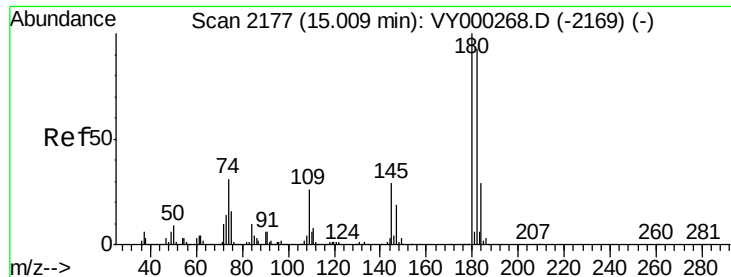
MMDadoda
 10/18/2019 12:50:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.752 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	45.8	137.3
157	108.3	55.6	166.9





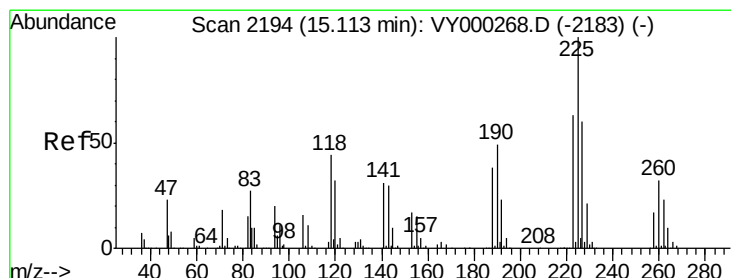
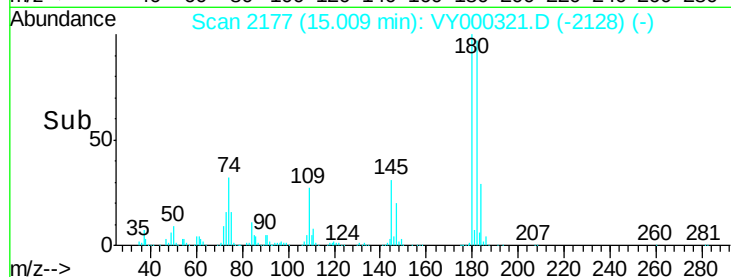
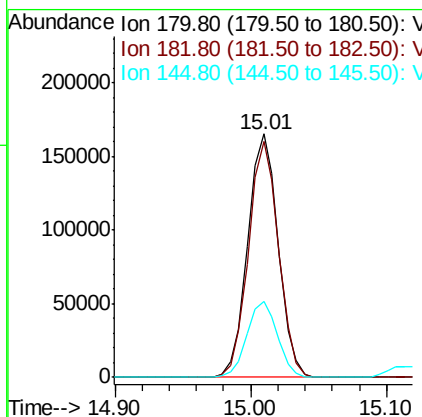
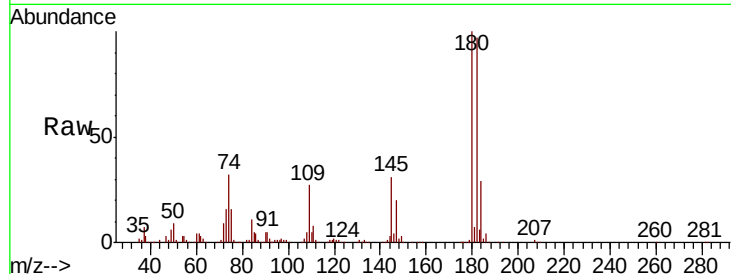
#93
 1,2,4-Trichlorobenzene
 Concen: 50.465 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	259610		
182	95.5	47.5	142.6	
145	31.2	15.4	46.1	

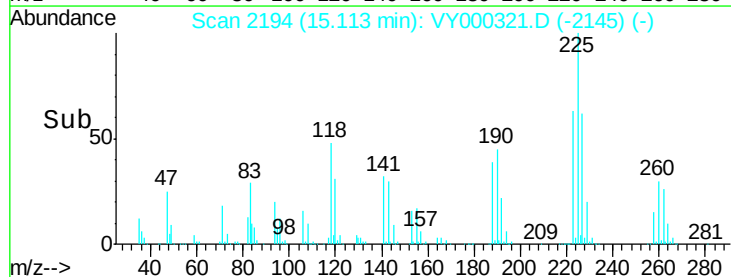
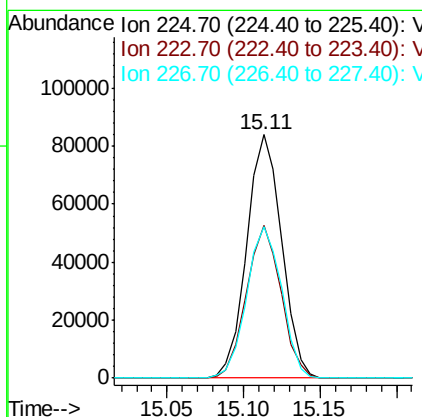
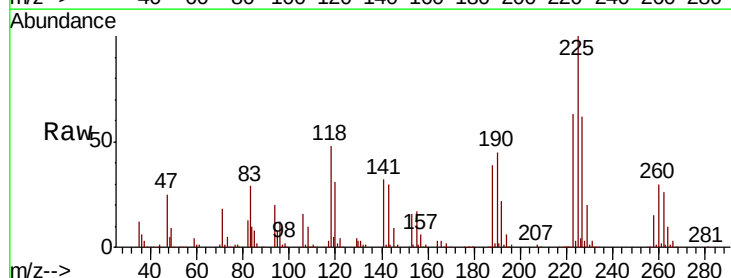
Manual Integrations
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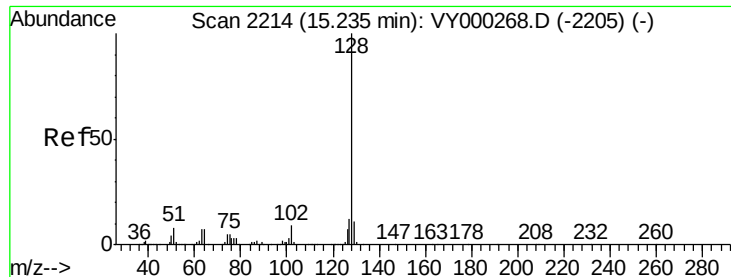
MMDadoda
 10/18/2019 12:50:33 AM



#94
 Hexachlorobutadiene
 Concen: 48.020 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY000321.D
 Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133685		
223	62.1	31.9	95.7	
227	62.2	31.4	94.2	





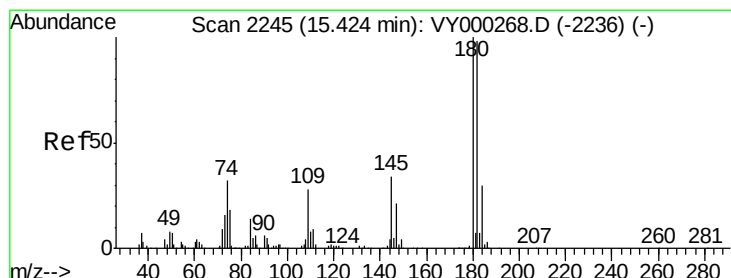
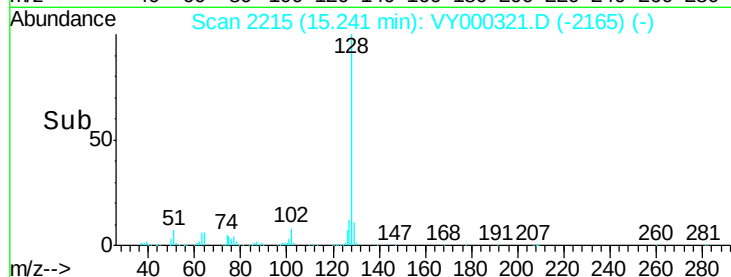
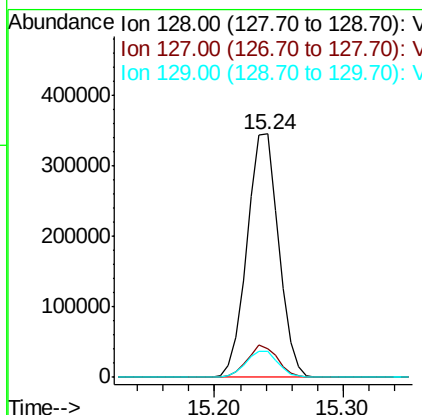
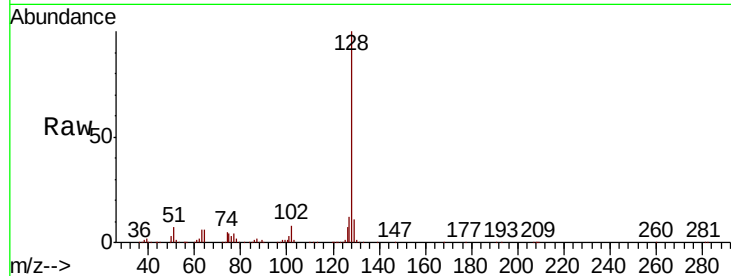
#95
Naphthalene
Concen: 50.713 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	582199		
127	12.7		9.6	14.4
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.927 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000321.D
Acq: 16 Oct 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	231477		
182	94.7		46.5	139.5
145	32.2		16.2	48.5

