

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013120\
 Data File : VY001448.D
 Acq On : 31 Jan 2020 12:33
 Operator : SY/MD
 Sample : VY0131SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:53:15 AM

Quant Time: Jan 31 14:05:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	182652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	317239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	280428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	94518	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.75	113	93288	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.20	98	380573	52.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.49	95	141653	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32191	22.349	ug/l	100
3) Chloromethane	2.13	50	49811	22.881	ug/l	98
4) Vinyl Chloride	2.27	62	51871	22.851	ug/l	99
5) Bromomethane	2.66	94	34393	22.497	ug/l	100
6) Chloroethane	2.82	64	32992	22.745	ug/l	95
7) Trichlorofluoromethane	3.15	101	68728	23.664	ug/l	98
8) Diethyl Ether	3.56	74	25282	20.621	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	44059	23.821	ug/l	99
10) Methyl Iodide	4.13	142	52977	21.717	ug/l	100
11) Tert butyl alcohol	5.00	59	29015	104.864	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	43810	22.591	ug/l	91
13) Acrolein	3.76	56	15413	96.634	ug/l	100
14) Allyl chloride	4.52	41	77771	22.488	ug/l	100
15) Acrylonitrile	5.21	53	63801	101.662	ug/l	99
16) Acetone	3.98	43	54961	100.439	ug/l	99
17) Carbon Disulfide	4.23	76	135991	22.297	ug/l	99
18) Methyl Acetate	4.51	43	32635	19.471	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	118195	20.815	ug/l	97
20) Methylene Chloride	4.75	84	55115	19.906	ug/l	96
21) trans-1,2-Dichloroethene	5.27	96	50981	22.631	ug/l	97
22) Diisopropyl ether	6.16	45	161694	22.018	ug/l	98
23) Vinyl Acetate	6.10	43	498119	104.478	ug/l	99
24) 1,1-Dichloroethane	6.06	63	88117	22.764	ug/l	99
25) 2-Butanone	7.03	43	86096	99.524	ug/l	97
26) 2,2-Dichloropropane	7.02	77	76636	22.226	ug/l	99
27) cis-1,2-Dichloroethene	7.03	96	57000	22.641	ug/l	99
28) Bromochloromethane	7.38	49	29445	18.445	ug/l	97
29) Tetrahydrofuran	7.38	42	54106	96.136	ug/l	100
30) Chloroform	7.54	83	83603	22.035	ug/l	97
31) Cyclohexane	7.82	56	89208	23.211	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	72547	22.645	ug/l	99
36) 1,1-Dichloropropene	7.95	75	69772	23.280	ug/l	99
37) Ethyl Acetate	7.11	43	38217	20.870	ug/l	98
38) Carbon Tetrachloride	7.93	117	61392	22.984	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	91180	23.748	ug/l	99
40) Benzene	8.19	78	207219	23.059	ug/l	99
41) Methacrylonitrile	7.36	41	23473m	24.841	ug/l	
42) 1,2-Dichloroethane	8.27	62	54592	21.741	ug/l	98
43) Isopropyl Acetate	8.30	43	73101	20.530	ug/l	98
44) Trichloroethene	8.96	130	52798	22.895	ug/l	99
45) 1,2-Dichloropropane	9.24	63	52261	23.005	ug/l	100
46) Dibromomethane	9.33	93	26690	21.884	ug/l	96
47) Bromodichloromethane	9.52	83	65815	22.574	ug/l	98
48) Methyl methacrylate	9.31	41	34418	21.263	ug/l	95
49) 1,4-Dioxane	9.32	88	7269	422.645	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	185035	100.909	ug/l	100
52) Toluene	10.26	92	130137	22.845	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	70717	21.883	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	83188	22.428	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	38014	21.118	ug/l	97
56) Ethyl methacrylate	10.52	69	55872	20.536	ug/l	99
57) 1,3-Dichloropropane	10.80	76	67849	21.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	95804	101.760	ug/l	98
59) 2-Hexanone	10.85	43	129808	101.686	ug/l	100
60) Dibromochloromethane	11.00	129	43476	21.594	ug/l	98
61) 1,2-Dibromoethane	11.10	107	35986	21.147	ug/l	98
64) Tetrachloroethene	10.74	164	41861	23.369	ug/l	97
65) Chlorobenzene	11.53	112	134312	22.722	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	46605	23.103	ug/l	99
67) Ethyl Benzene	11.60	91	252280	23.159	ug/l	98
68) m/p-Xylenes	11.71	106	191685	47.114	ug/l	98
69) o-Xylene	12.04	106	90850	23.212	ug/l	99
70) Styrene	12.05	104	155914	22.704	ug/l	99
71) Bromoform	12.22	173	24888	20.668	ug/l #	100
73) Isopropylbenzene	12.34	105	243363	23.308	ug/l	100
74) N-amyl acetate	12.15	43	71610	20.953	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	47035	21.035	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	30766m	19.296	ug/l	
77) Bromobenzene	12.62	156	51658	22.338	ug/l	99
78) n-propylbenzene	12.68	91	299273	23.814	ug/l	99
79) 2-Chlorotoluene	12.77	91	165655	23.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	207309	23.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	17169	20.377	ug/l	99
82) 4-Chlorotoluene	12.86	91	178384	23.261	ug/l	100
83) tert-Butylbenzene	13.08	119	171789	23.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	203190	23.222	ug/l	99
85) sec-Butylbenzene	13.26	105	249276	23.882	ug/l	99
86) p-Isopropyltoluene	13.38	119	218273	23.730	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	103777	23.301	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	104241	23.051	ug/l	99
89) n-Butylbenzene	13.70	91	224365	24.237	ug/l	99
90) Hexachloroethane	13.97	117	40743	23.368	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	93434	22.747	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7816	20.256	ug/l	93

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ClientSampleId :
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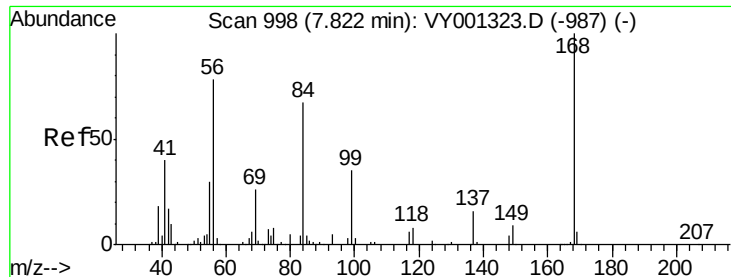
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62154	22.546	ug/l	98
94) Hexachlorobutadiene	15.12	225	31791	23.684	ug/l	99
95) Naphthalene	15.25	128	134186	21.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	53696	22.204	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion:168 Resp: 182652

Ion Ratio Lower Upper

168 100

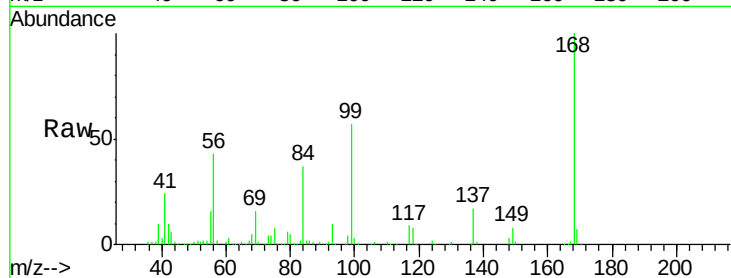
99 56.8 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.82

80000

60000

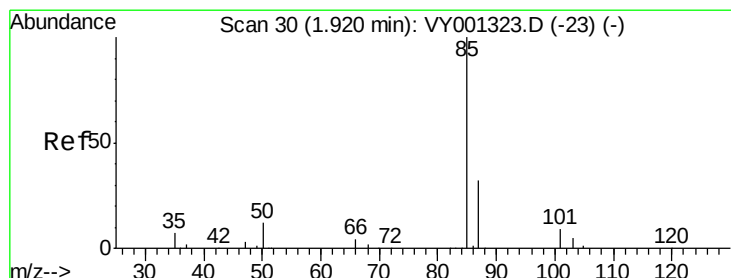
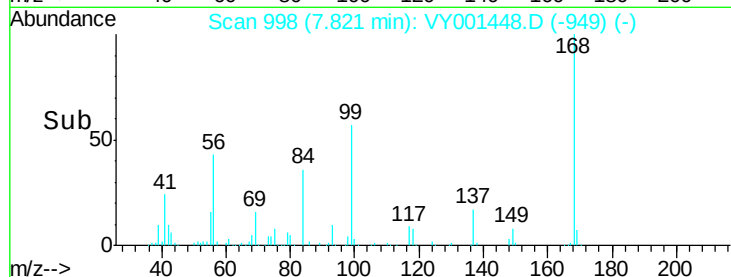
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.349 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001448.D

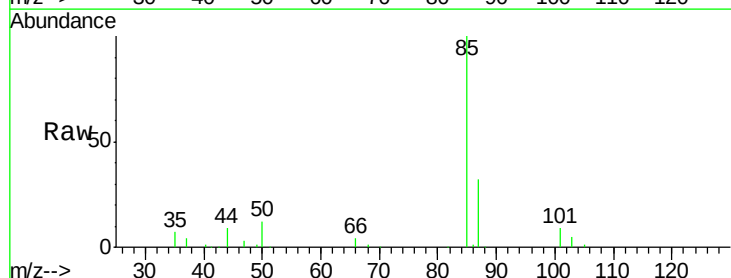
Acq: 31 Jan 2020 12:33

Tgt Ion: 85 Resp: 32191

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.91

25000

20000

15000

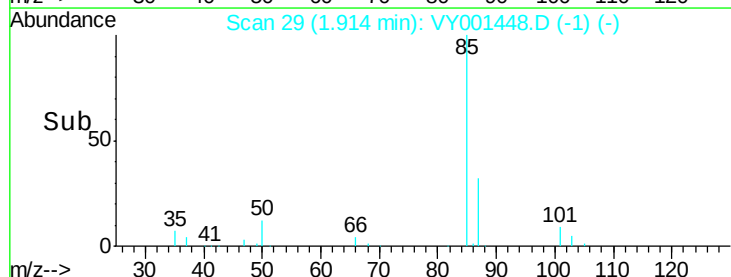
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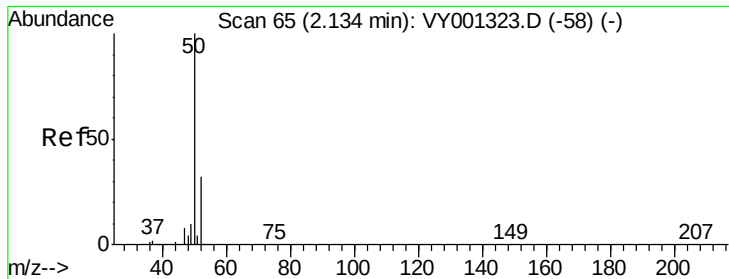
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.881 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 50 Resp: 49811

Ion Ratio Lower Upper

50 100

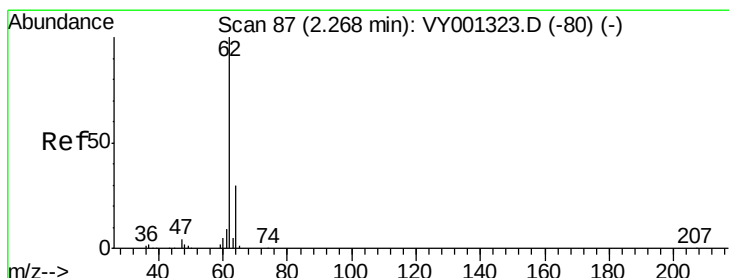
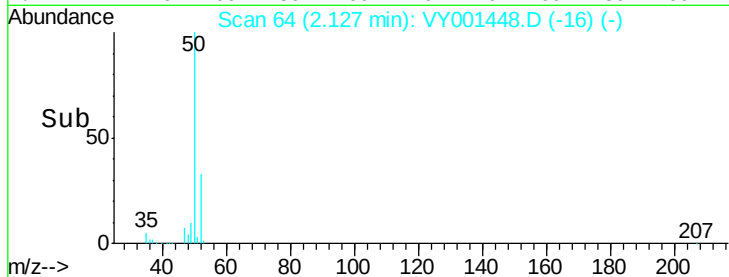
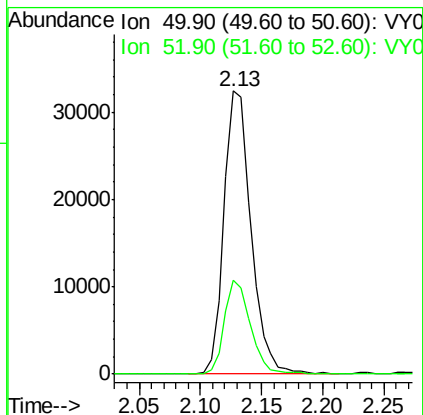
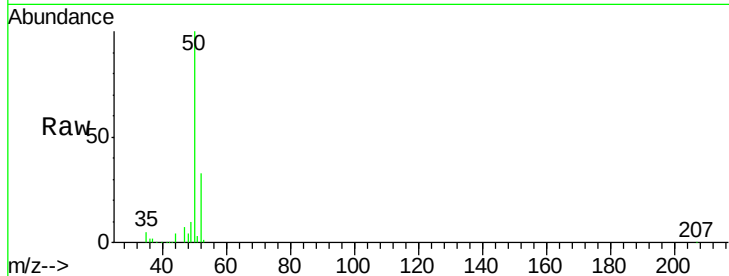
52 33.2 25.7 38.5

Manual Integrations

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2/3/2020 10:53:15 AM



#4

Vinyl Chloride

Concen: 22.851 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001448.D

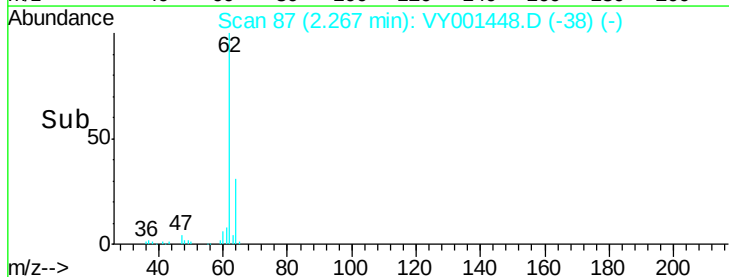
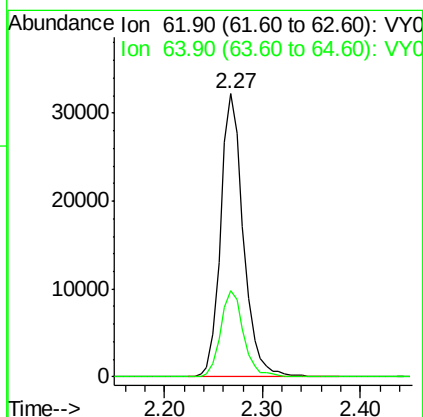
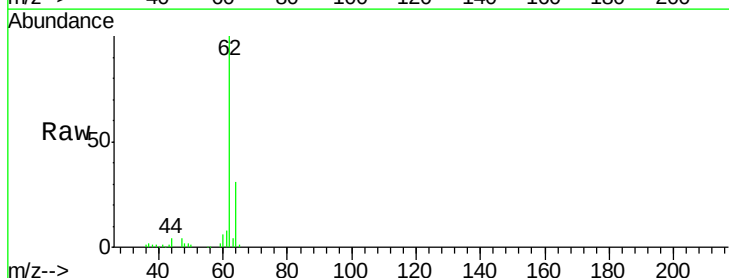
Acq: 31 Jan 2020 12:33

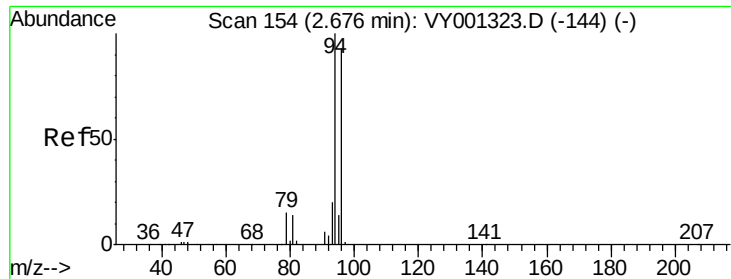
Tgt Ion: 62 Resp: 51871

Ion Ratio Lower Upper

62 100

64 30.5 23.9 35.9





#5

Bromomethane

Concen: 22.497 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 94 Resp: 34393

Ion Ratio Lower Upper

94 100

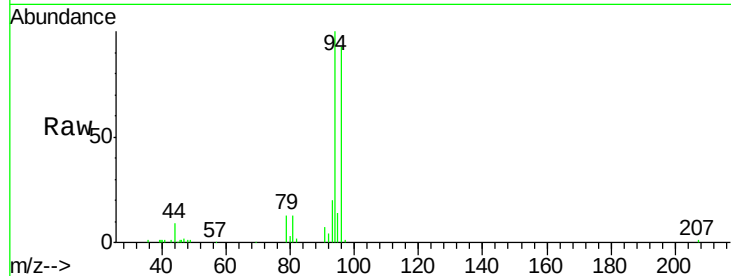
96 93.4 74.6 111.8

Manual Integrations

APPROVED

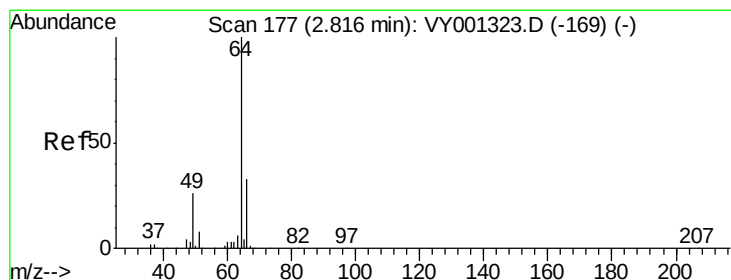
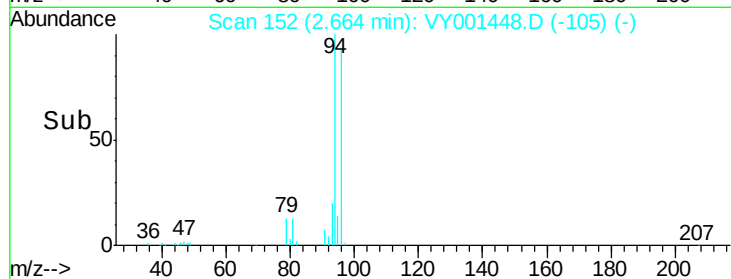
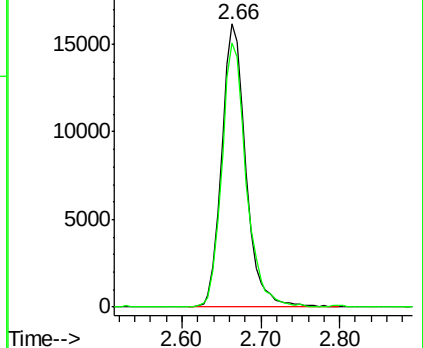
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2/3/2020 10:53:15 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.745 ug/l

RT: 2.82 min Scan# 177

Delta R.T. -0.00 min

Lab File: VY001448.D

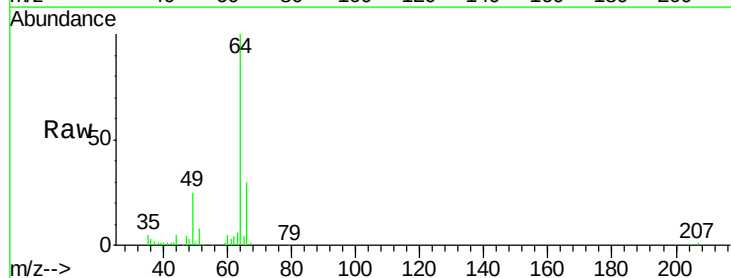
Acq: 31 Jan 2020 12:33

Tgt Ion: 64 Resp: 32992

Ion Ratio Lower Upper

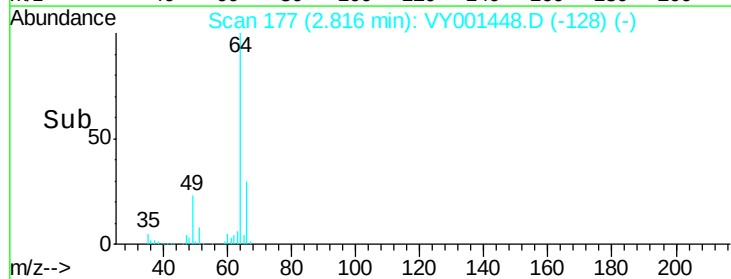
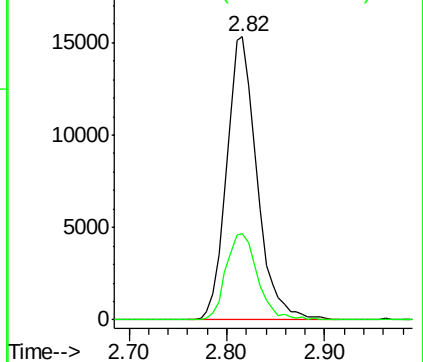
64 100

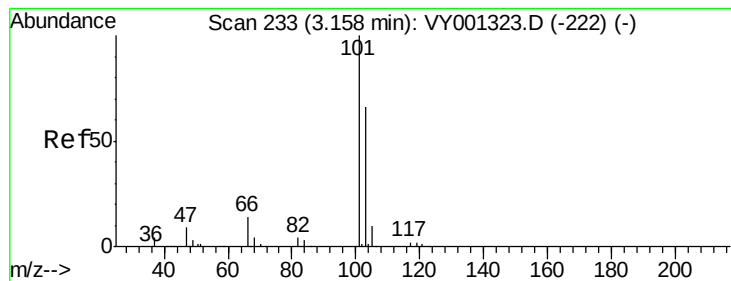
66 30.5 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

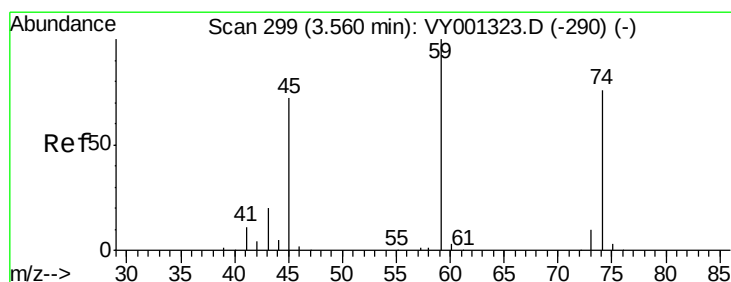
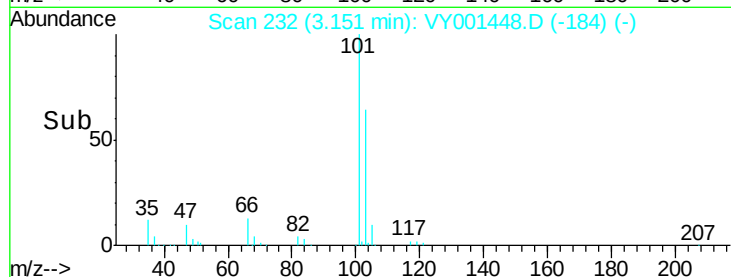
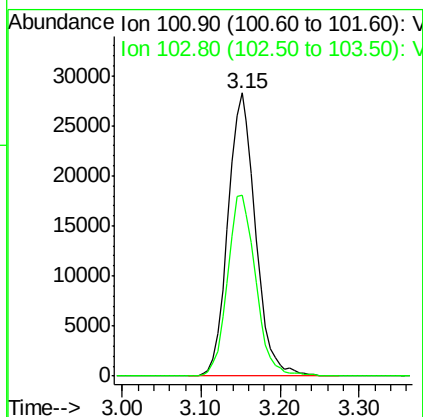
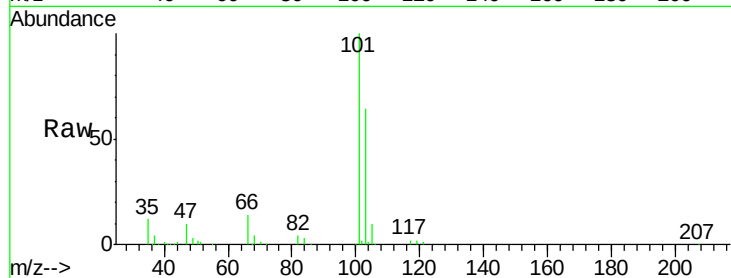
Trichlorofluoromethane
 Concen: 23.664 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

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 VY0131SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.5	78.7

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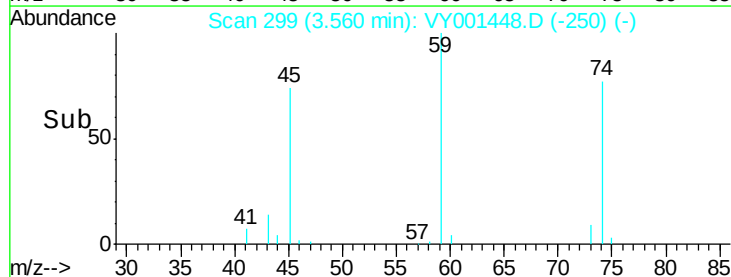
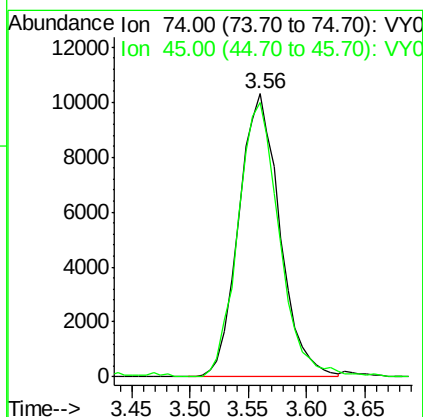
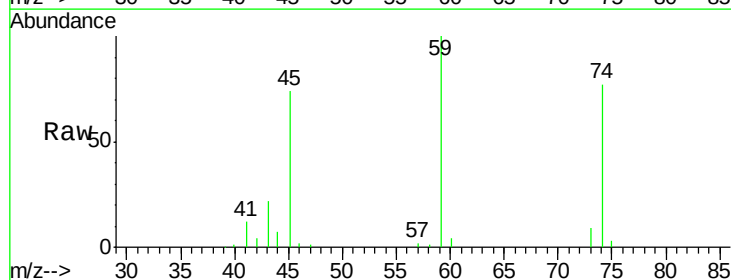
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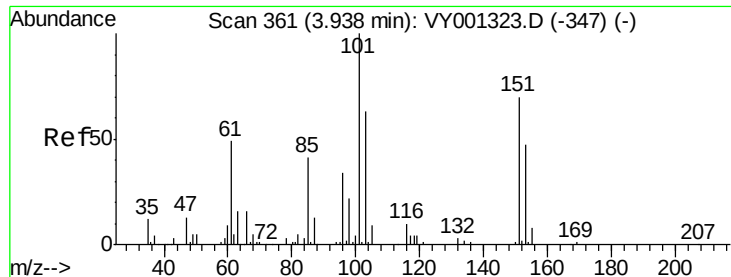


#8

Diethyl Ether
 Concen: 20.621 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.821 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

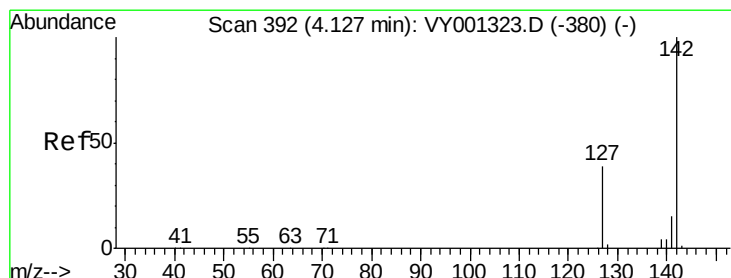
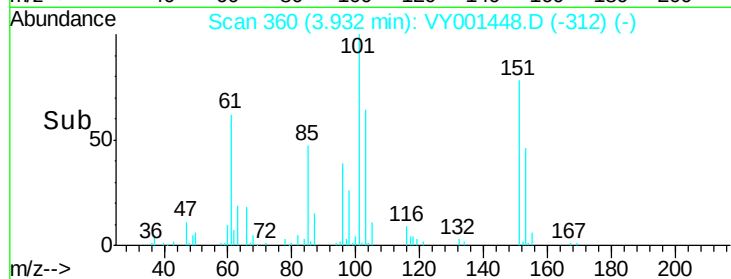
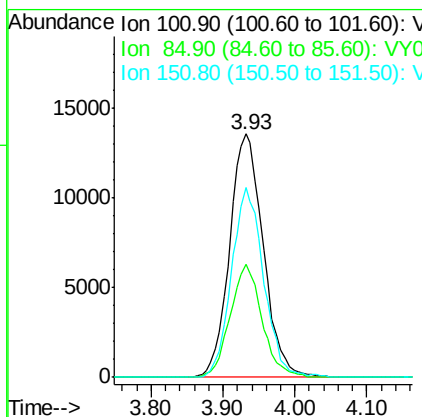
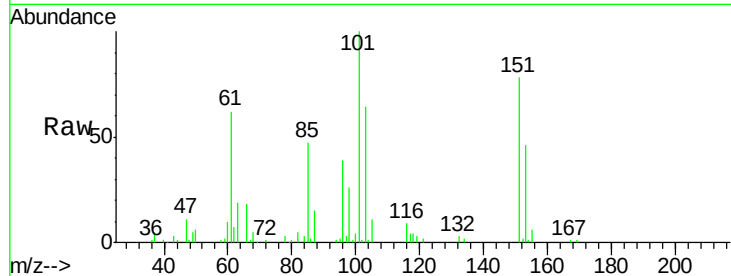
ClientSampleId :

VY0131SBS01

Tot Ion:	101	Resp:	44059
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	73.9	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 21.717 ug/l

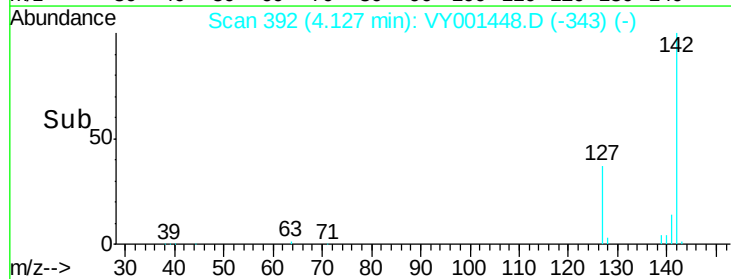
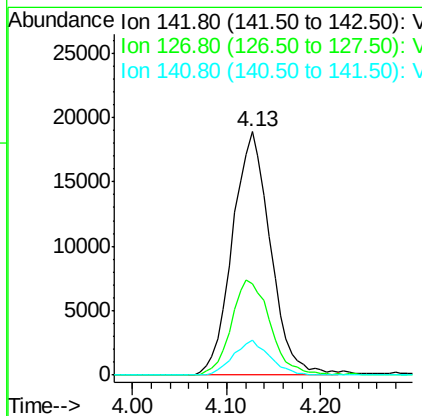
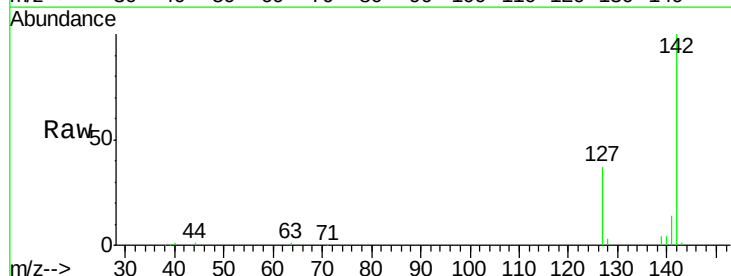
RT: 4.13 min Scan# 392

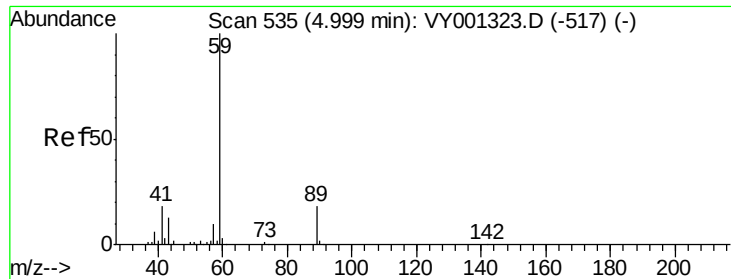
Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Tgt Ion:	142	Resp:	52977
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.6	47.4
141	13.7	11.2	16.8





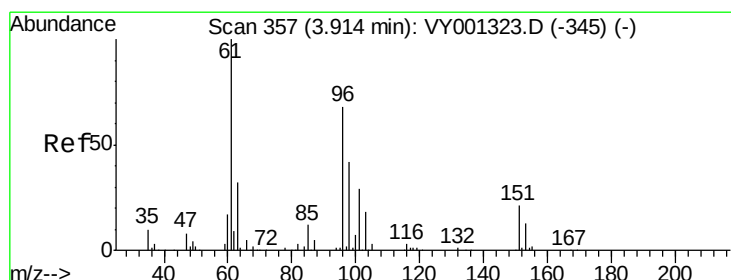
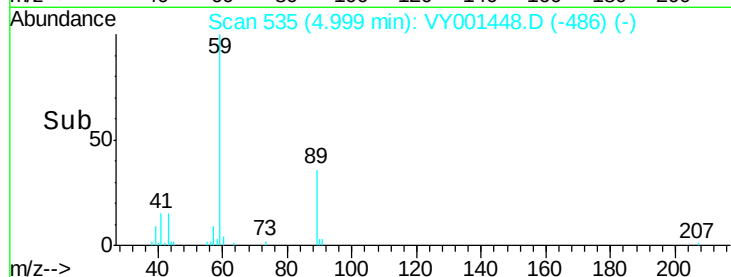
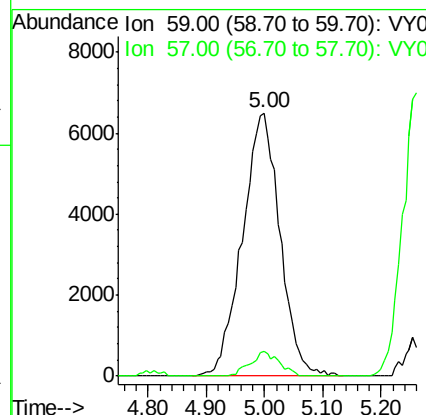
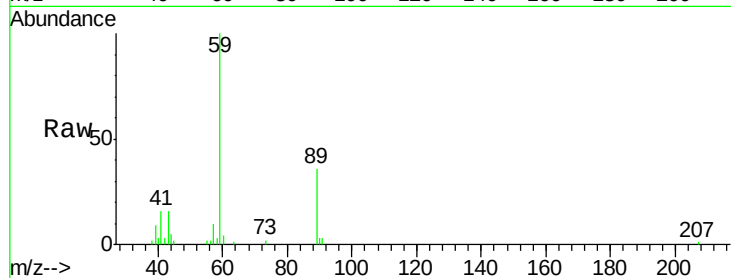
#11
Tert butyl alcohol
Concen: 104.864 ug/l
RT: 5.00 min Scan# 535
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampled :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.4	11.2#

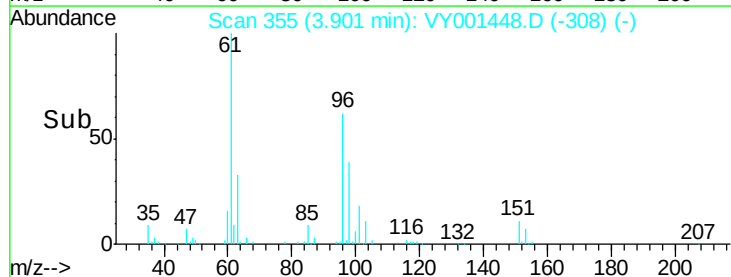
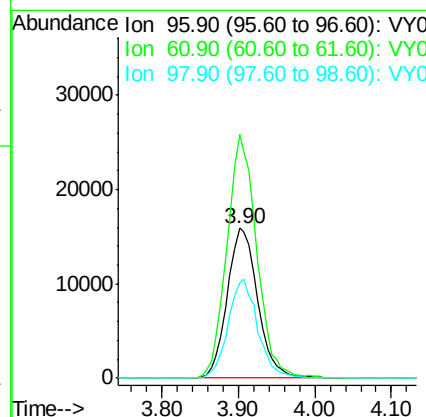
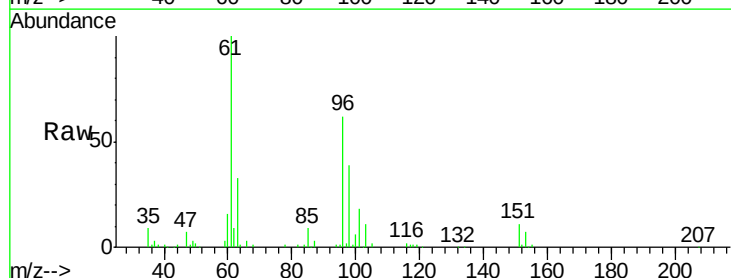
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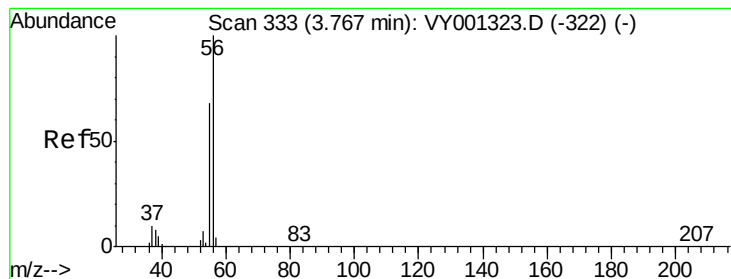
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.591 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	118.0	177.0
98	63.2	49.4	74.2





#13

Acrolein

Concen: 96.634 ug/l

RT: 3.76 min Scan# 332

Delta R.T. -0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 56 Resp: 15413

Ion Ratio Lower Upper

56 100

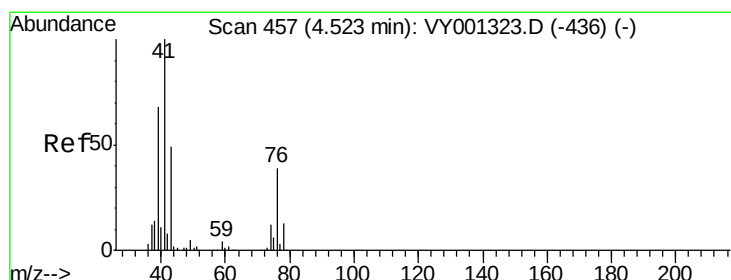
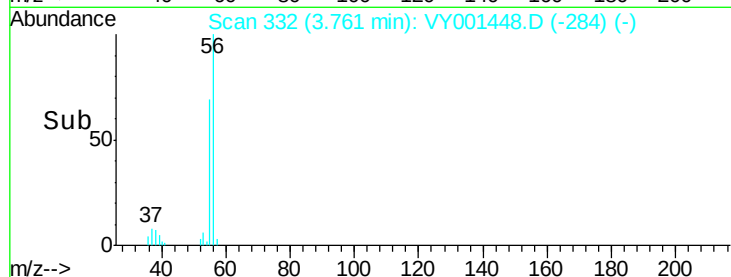
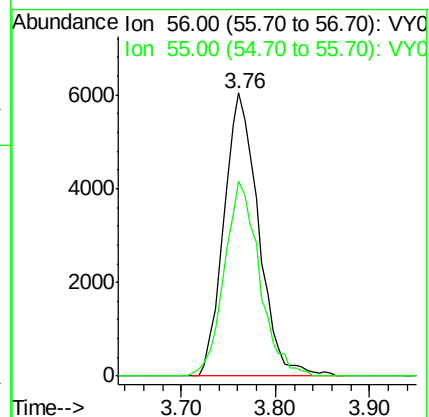
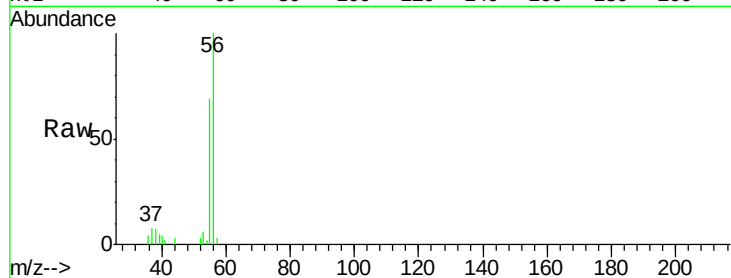
55 69.9 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 22.488 ug/l

RT: 4.52 min Scan# 456

Delta R.T. -0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

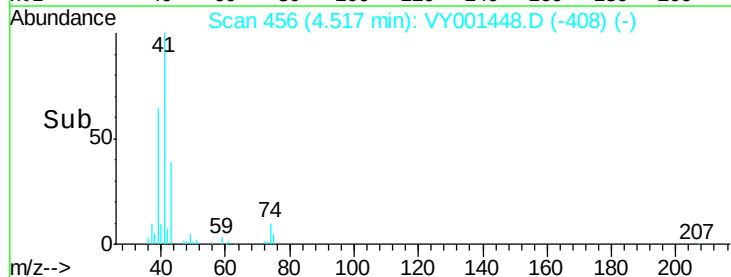
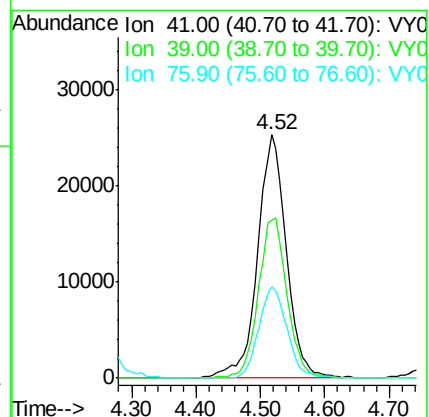
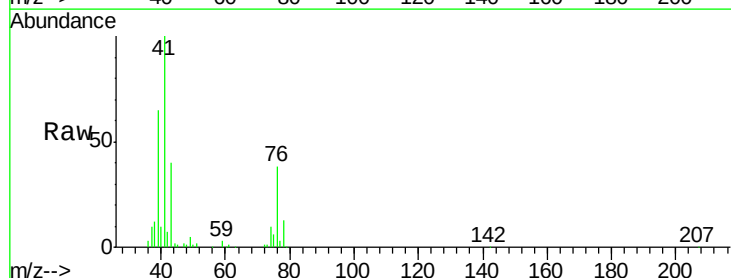
Tgt Ion: 41 Resp: 77771

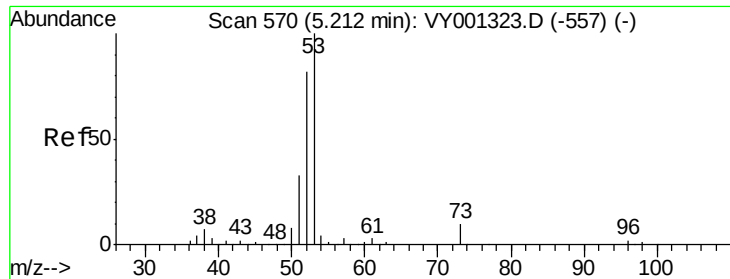
Ion Ratio Lower Upper

41 100

39 65.5 52.2 78.4

76 36.5 29.1 43.7





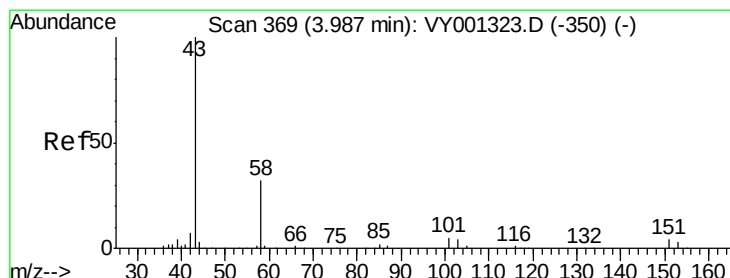
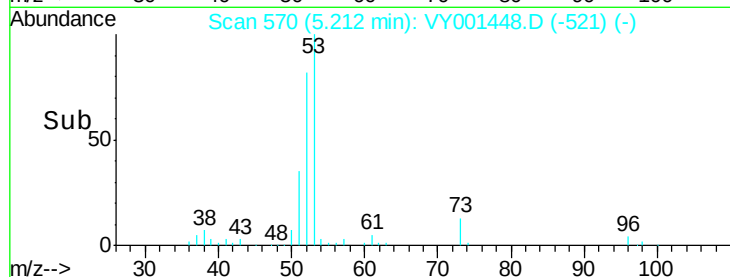
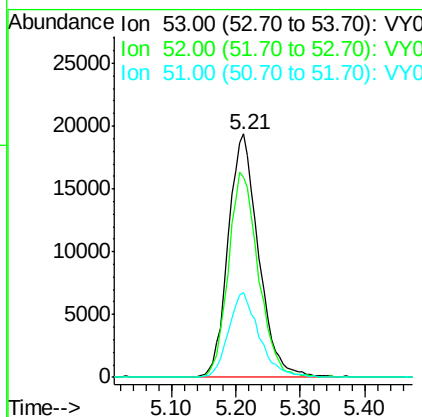
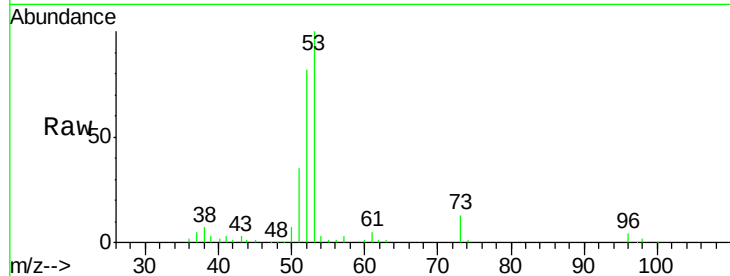
#15
 Acrylonitrile
 Concen: 101.662 ug/l
 RT: 5.21 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion:	53	Resp:	63801
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.3	97.9
51	35.2	28.4	42.6

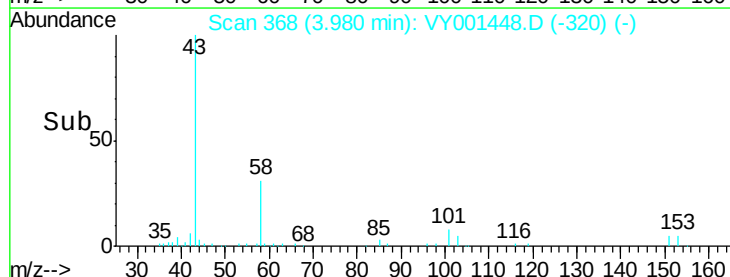
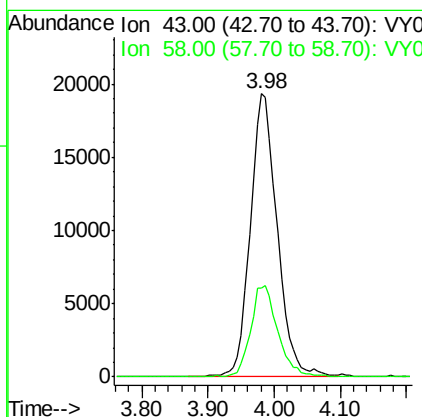
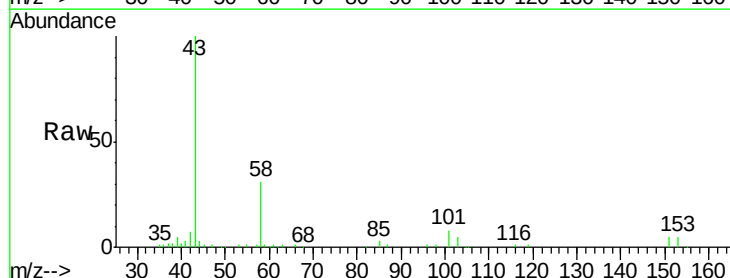
Manual Integrations
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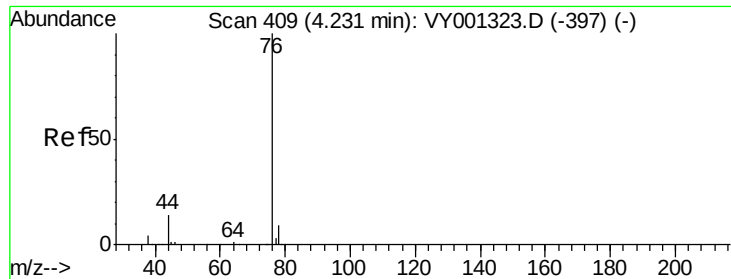
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#16
 Acetone
 Concen: 100.439 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion:	43	Resp:	54961
Ion Ratio	Lower	Upper	
43	100		
58	31.3	25.4	38.0





#17

Carbon Disulfide

Concen: 22.297 ug/l

RT: 4.23 min Scan# 409

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 76 Resp: 135991

Ion Ratio Lower Upper

76 100

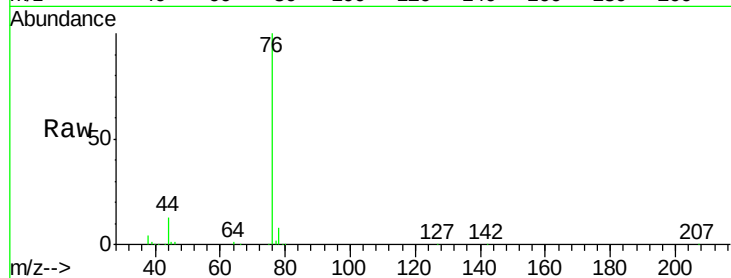
78 8.4 7.0 10.6

Manual Integrations

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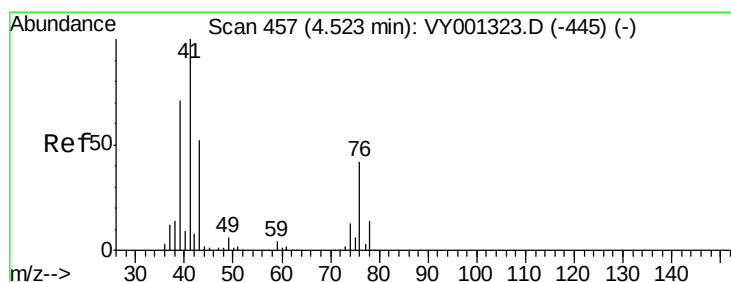
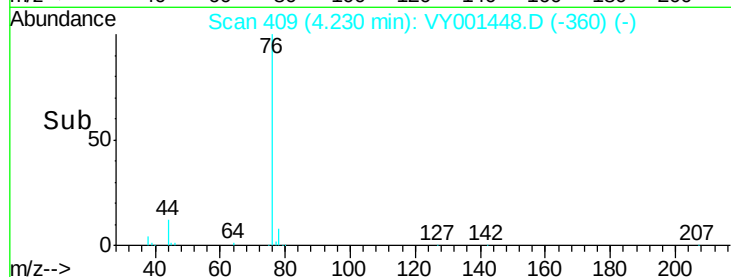
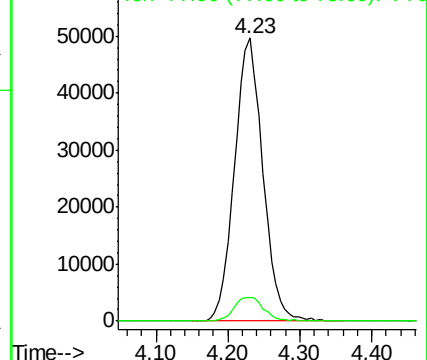
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.471 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001448.D

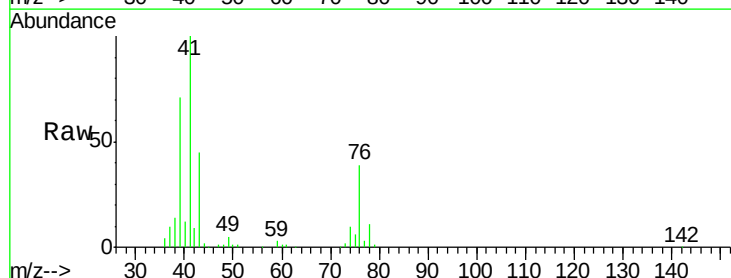
Acq: 31 Jan 2020 12:33

Tgt Ion: 43 Resp: 32635

Ion Ratio Lower Upper

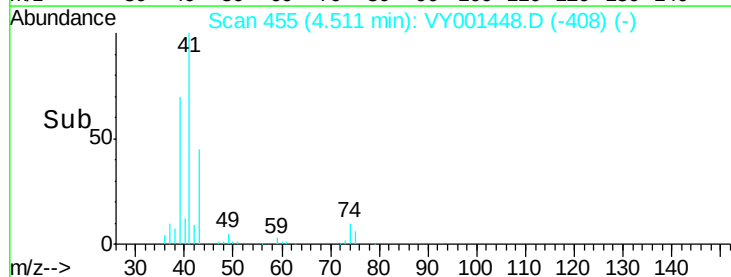
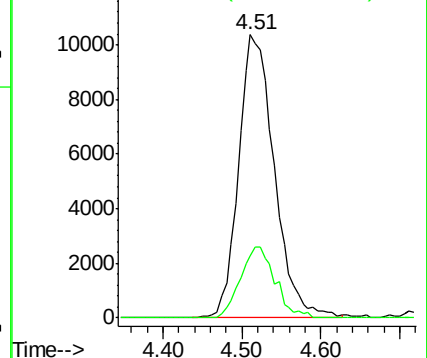
43 100

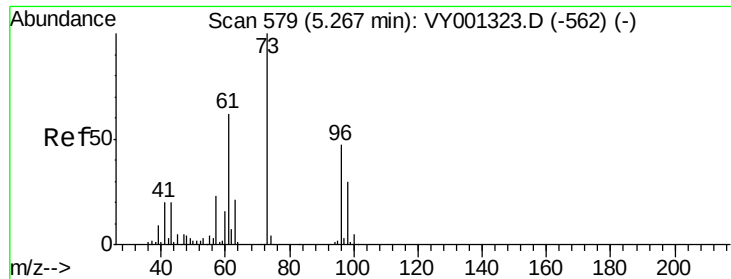
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





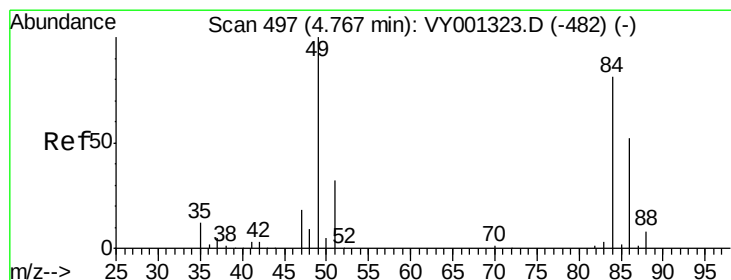
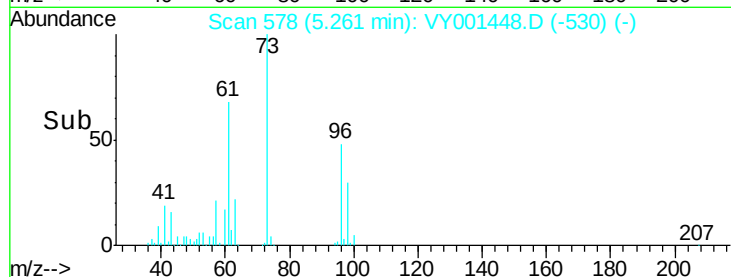
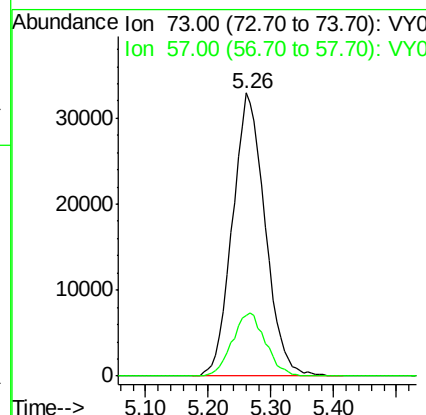
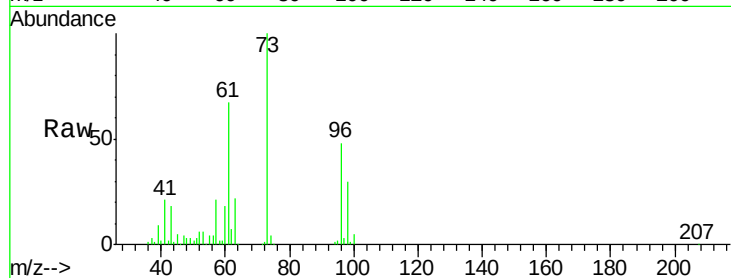
#19
Methyl tert-butyl Ether
Concen: 20.815 ug/l
RT: 5.26 min Scan# 578
Delta R.T. -0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion: 73 Resp: 118195
Ion Ratio Lower Upper
73 100
57 21.2 18.2 27.2

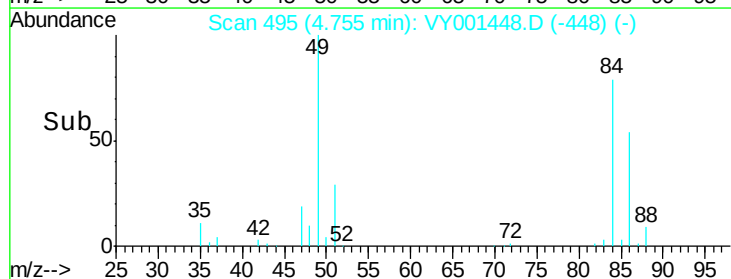
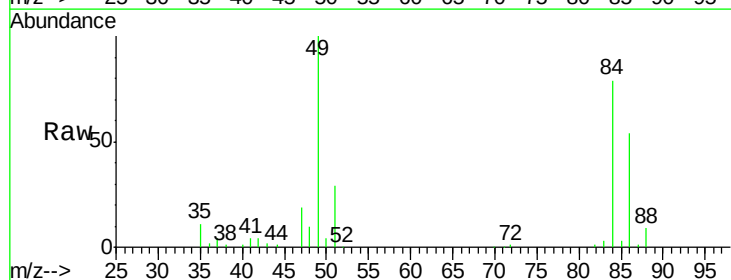
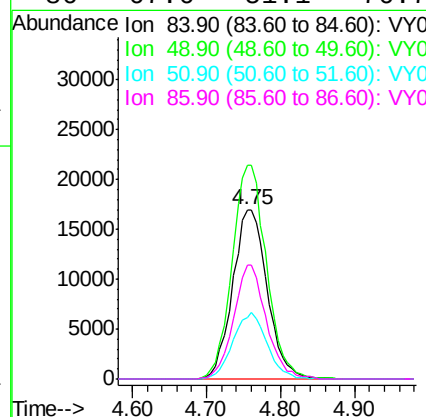
Manual Integrations
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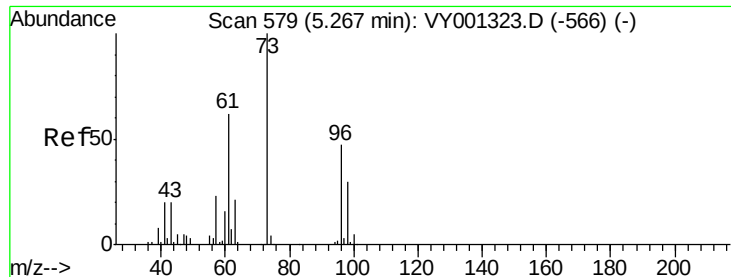
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#20
Methylene Chloride
Concen: 19.906 ug/l
RT: 4.75 min Scan# 495
Delta R.T. -0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion: 84 Resp: 55115
Ion Ratio Lower Upper
84 100
49 126.3 98.3 147.5
51 36.3 31.6 47.4
86 67.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 22.631 ug/l

RT: 5.27 min Scan# 579

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

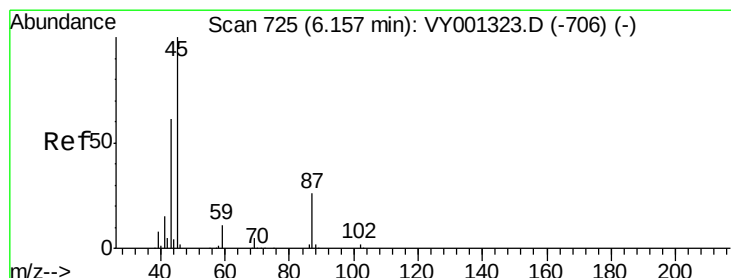
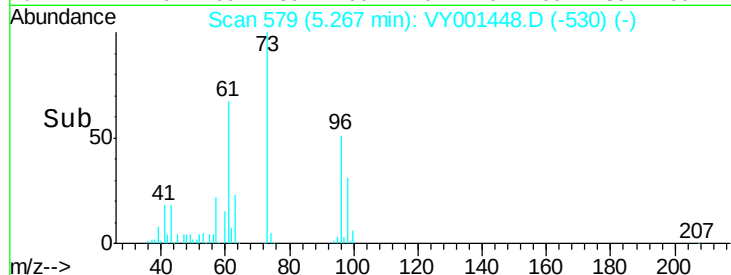
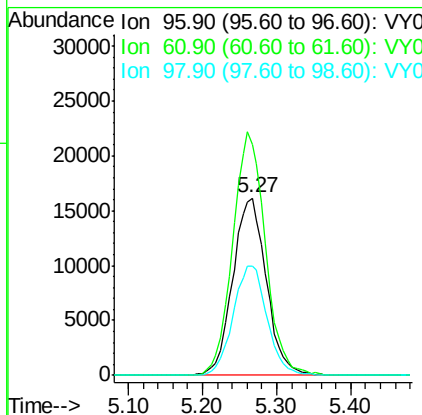
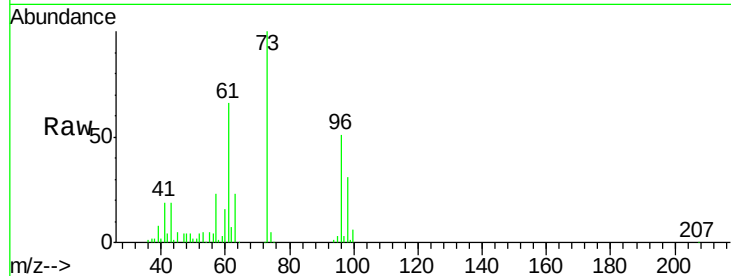
ClientSampleId :

VY0131SBS01

Tot Ion:	96	Resp:	50981
Ion	Ratio	Lower	Upper
96	100		
61	130.3	106.8	160.2
98	61.7	51.0	76.6

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#22

Diisopropyl ether

Concen: 22.018 ug/l

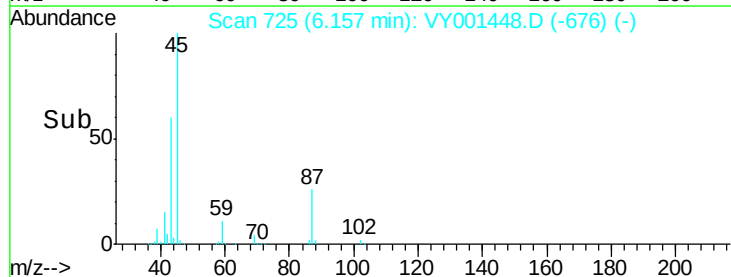
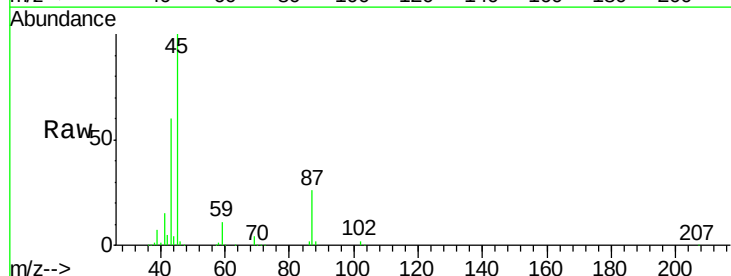
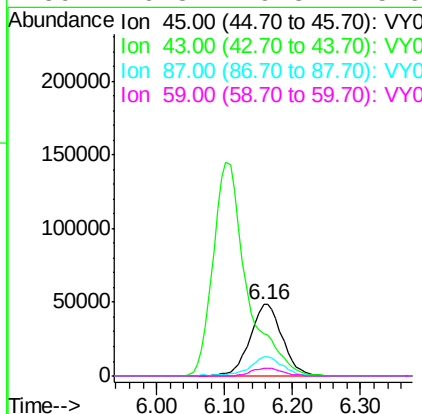
RT: 6.16 min Scan# 725

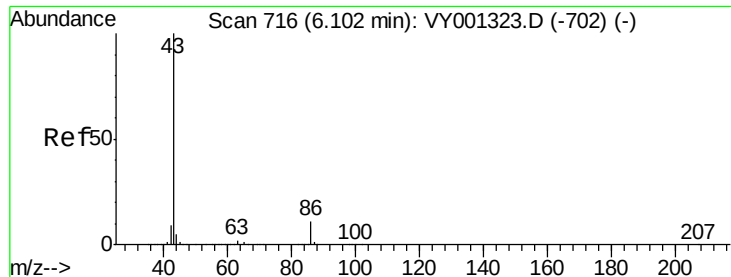
Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Tgt Ion:	45	Resp:	161694
Ion	Ratio	Lower	Upper
45	100		
43	59.3	49.2	73.8
87	26.1	21.4	32.2
59	10.8	9.3	13.9





#23

Vinyl Acetate

Concen: 104.478 ug/l

RT: 6.10 min Scan# 716

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 43 Resp: 498119

Ion Ratio Lower Upper

43 100

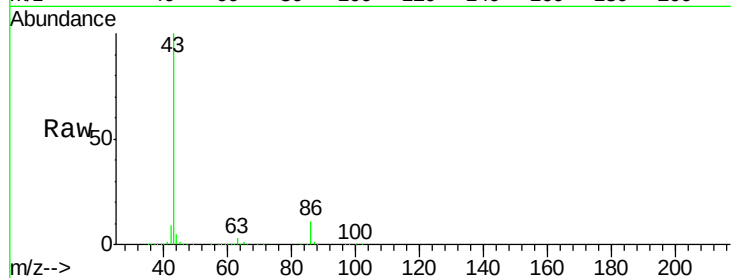
86 11.1 8.6 13.0

Manual Integrations

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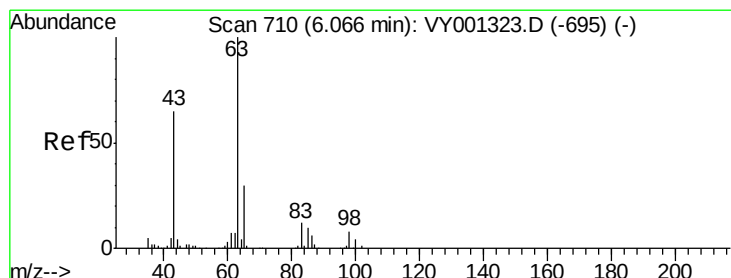
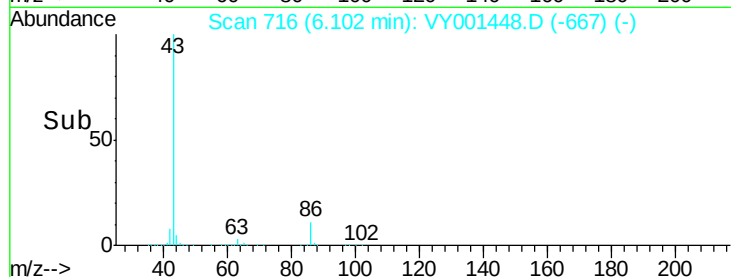
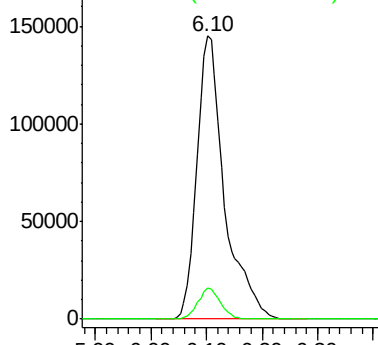
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 22.764 ug/l

RT: 6.06 min Scan# 709

Delta R.T. -0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

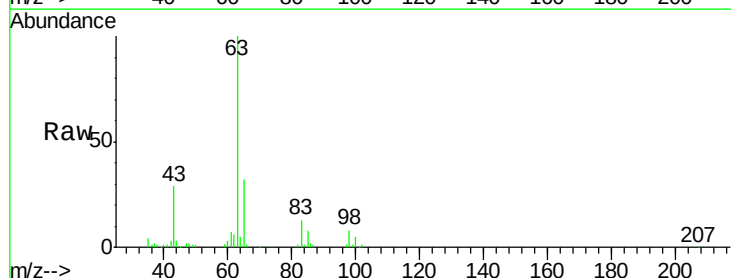
Tgt Ion: 63 Resp: 88117

Ion Ratio Lower Upper

63 100

98 8.4 4.0 12.0

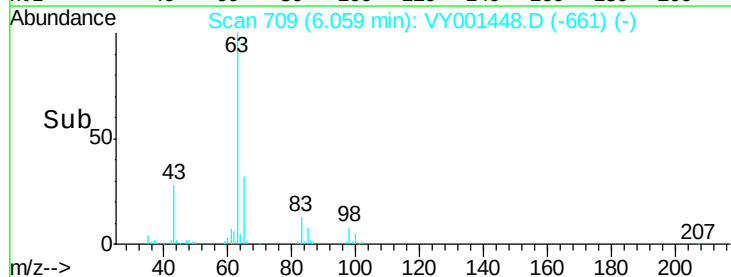
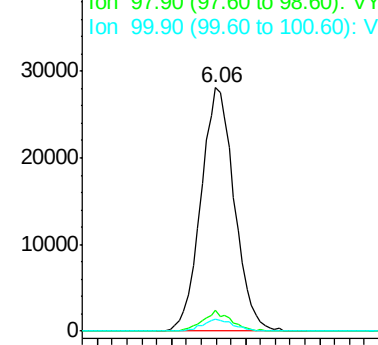
100 4.6 2.1 6.3

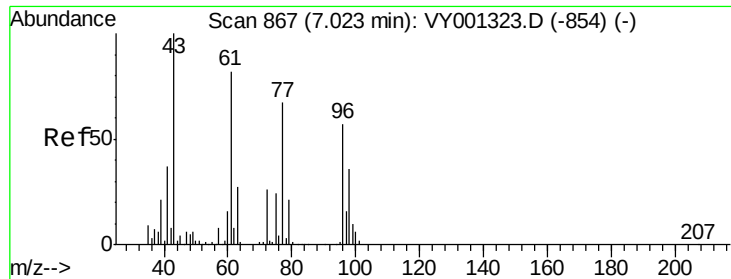


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





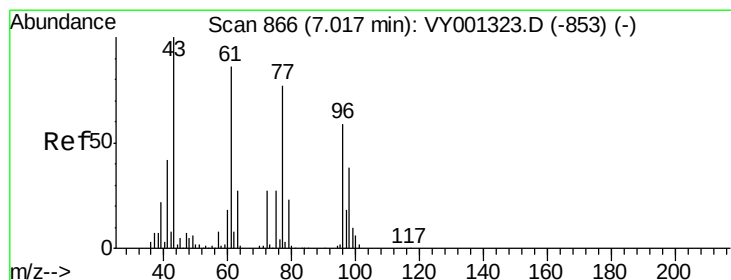
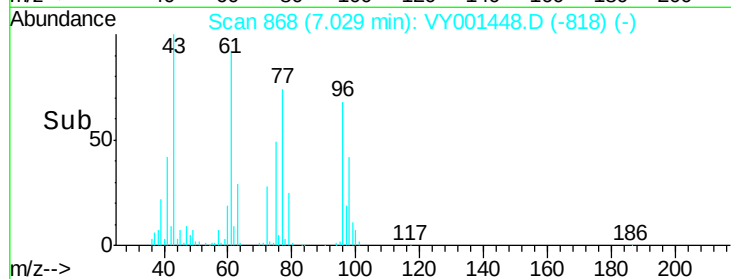
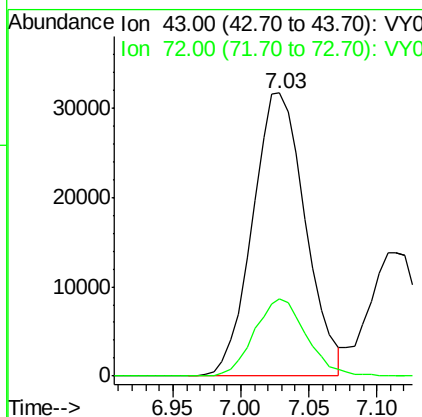
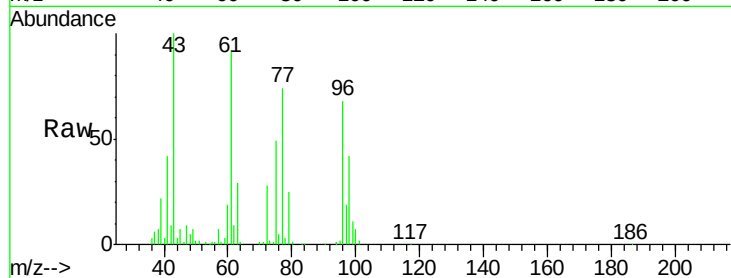
#25
2-Butanone
Concen: 99.524 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion: 43 Resp: 86096
Ion Ratio Lower Upper
43 100
72 27.5 20.6 31.0

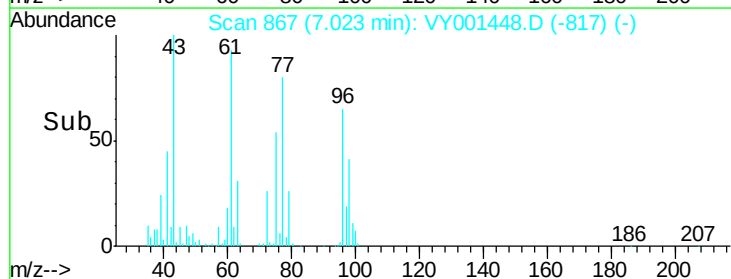
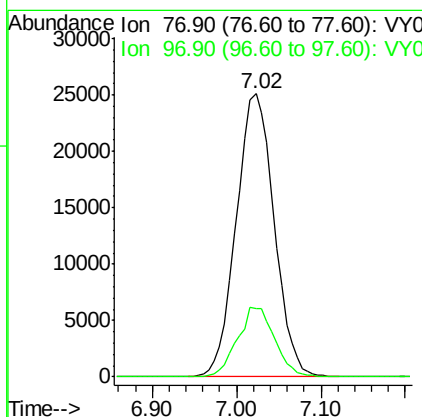
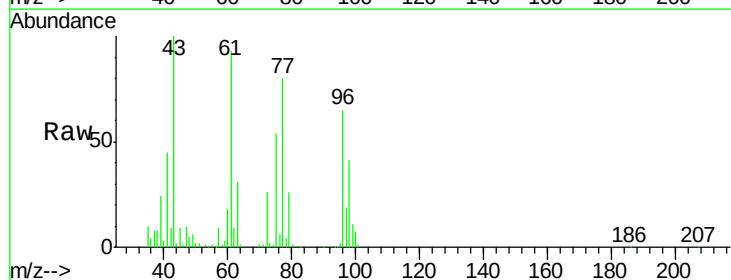
Manual Integrations
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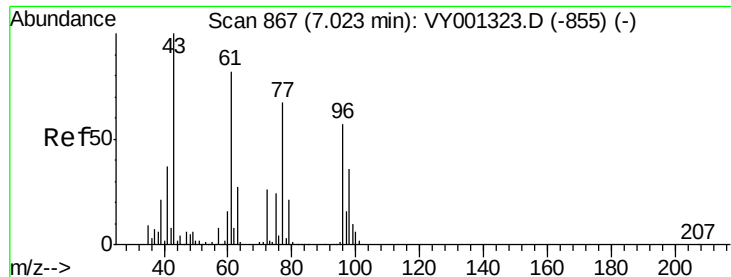
MMDadoda
2/3/2020 10:53:15 AM



#26
2,2-Dichloropropane
Concen: 22.226 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion: 77 Resp: 76636
Ion Ratio Lower Upper
77 100
97 24.1 11.9 35.5





#27

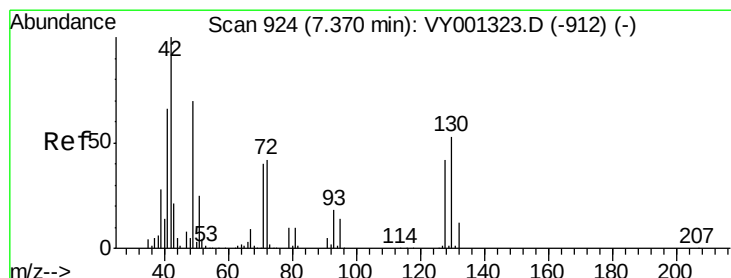
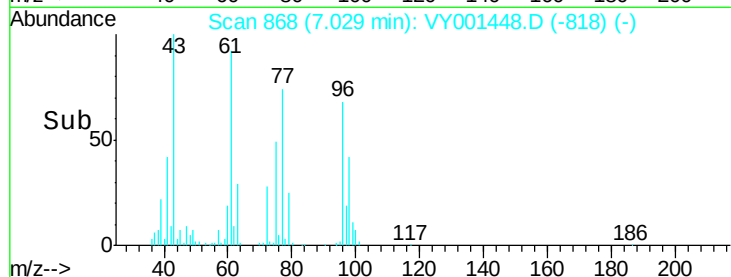
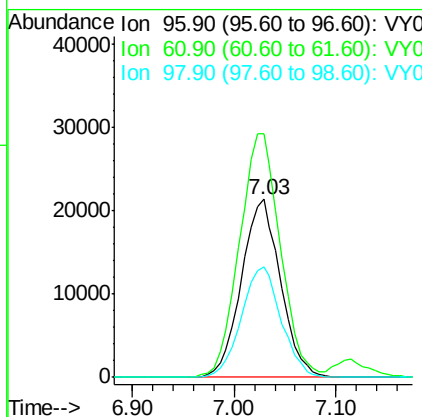
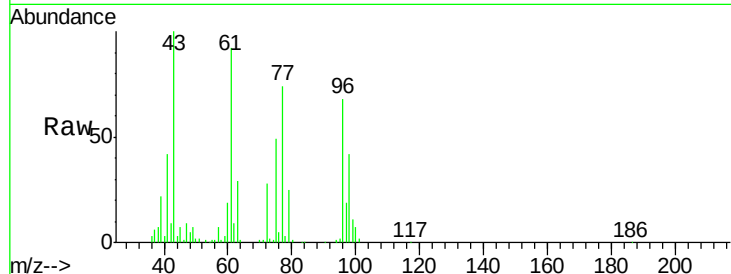
cis-1,2-Dichloroethene
Concen: 22.641 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	57000		
61	143.4		0.0	284.8
98	63.1		0.0	128.4

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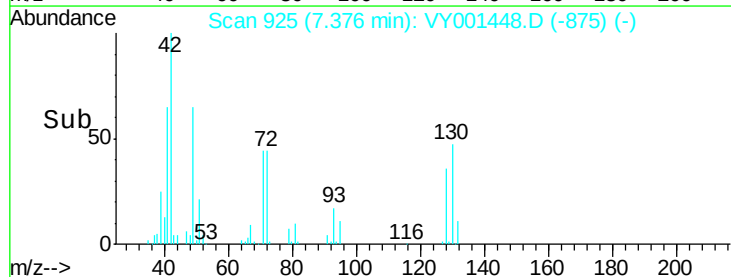
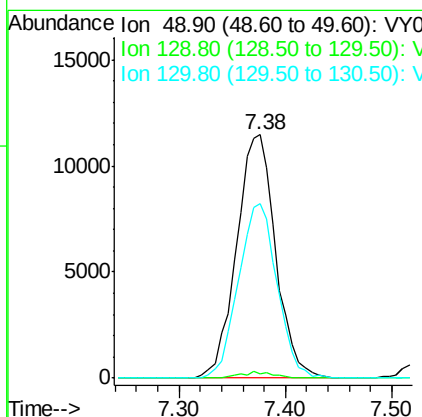
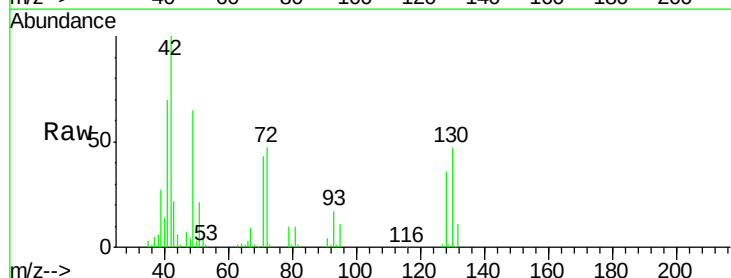
MMDadoda
2/3/2020 10:53:15 AM

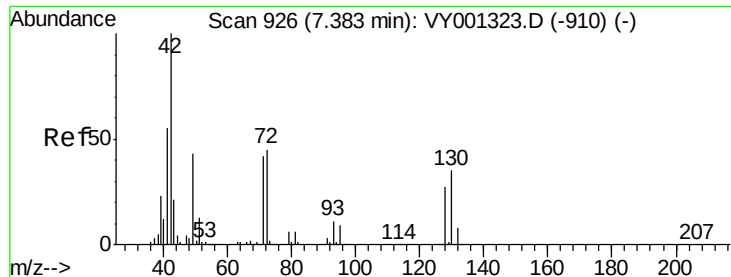


#28

Bromochloromethane
Concen: 18.445 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29445		
129	2.1		0.0	4.0
130	71.1		58.9	88.3





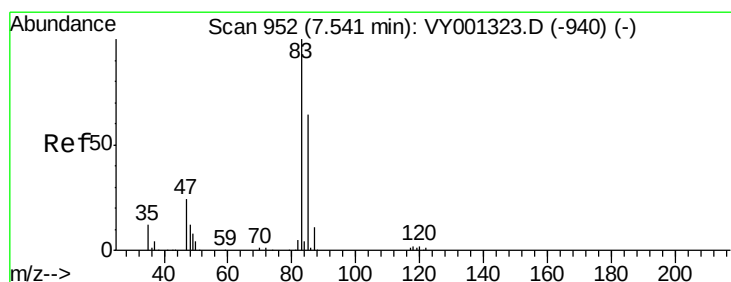
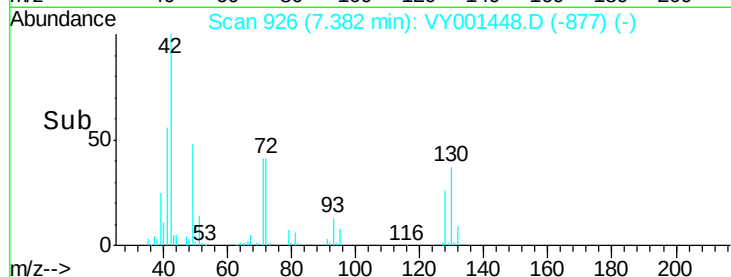
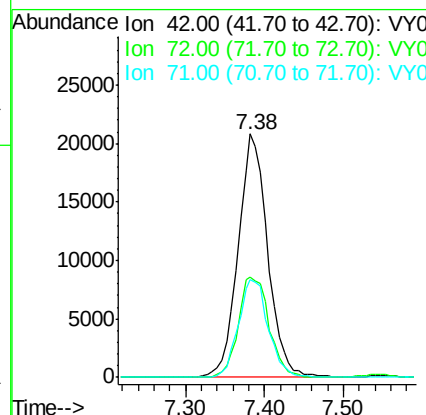
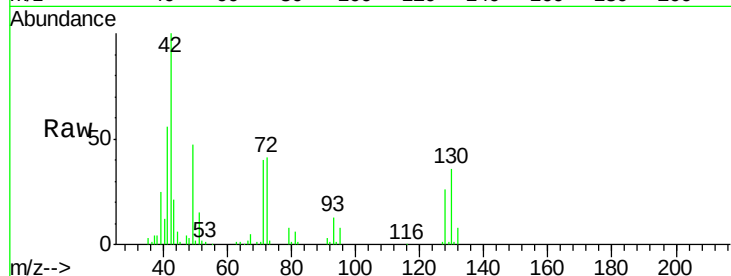
#29
Tetrahydrofuran
Concen: 96.136 ug/l
RT: 7.38 min Scan# 926
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.6	32.6	48.8

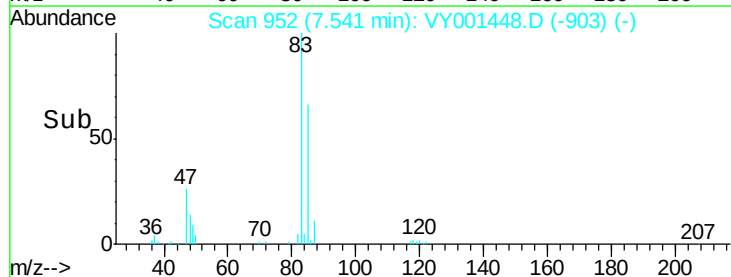
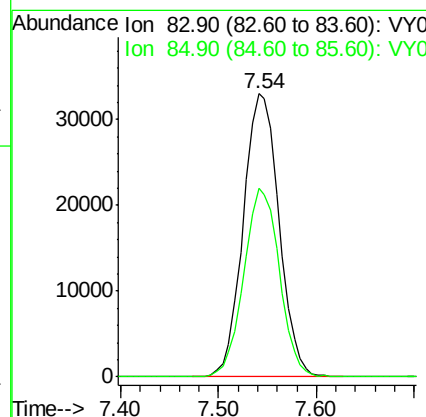
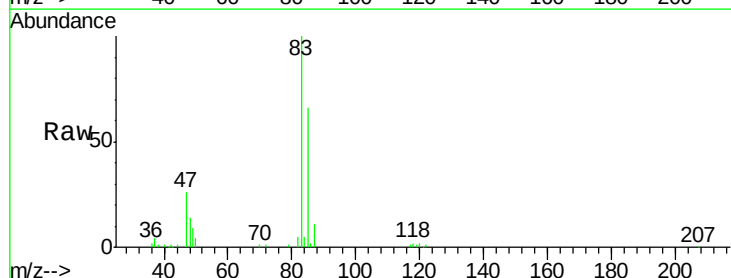
Manual Integrations
APPROVED

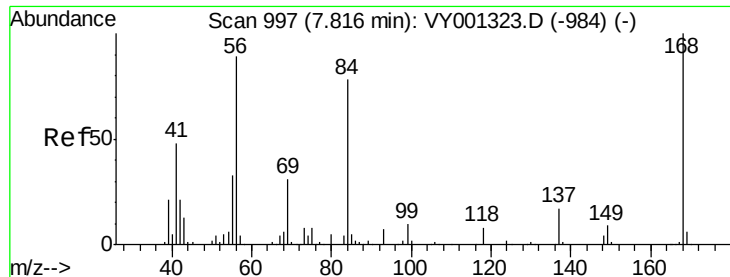
MMDadoda
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#30
Chloroform
Concen: 22.035 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





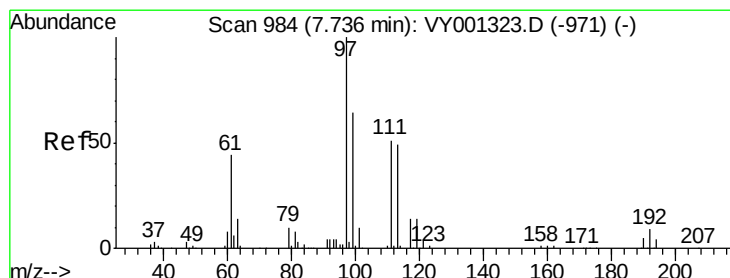
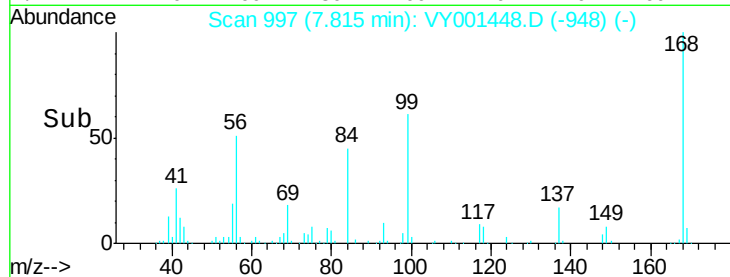
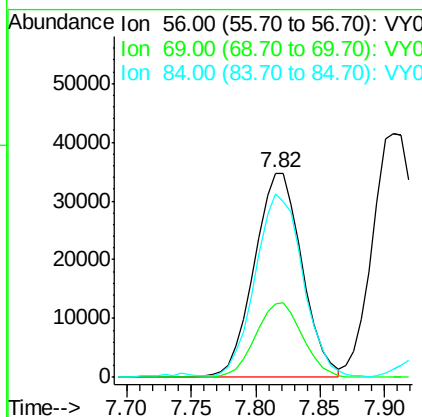
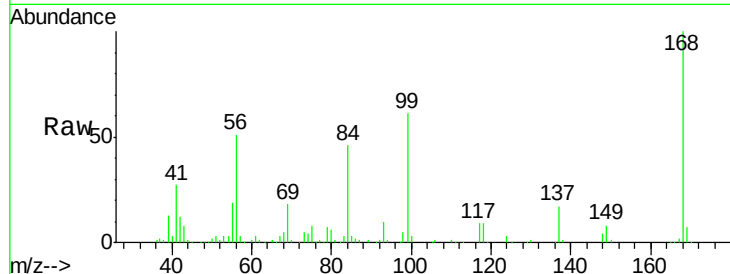
#31
Cyclohexane
Concen: 23.211 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.6	41.4
84	88.9	69.7	104.5

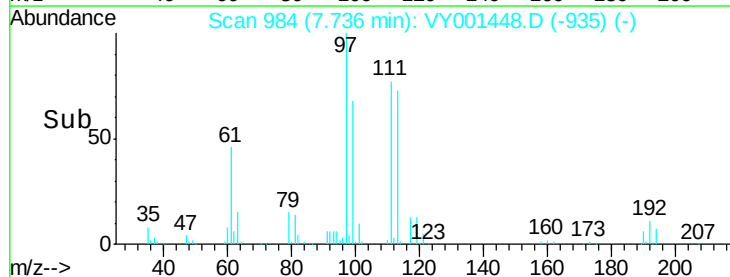
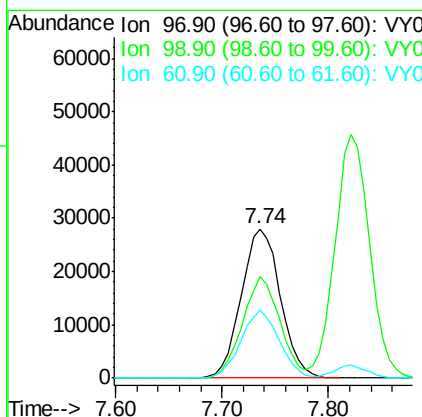
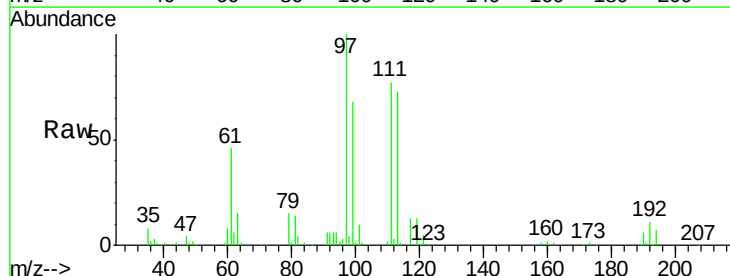
Manual Integrations
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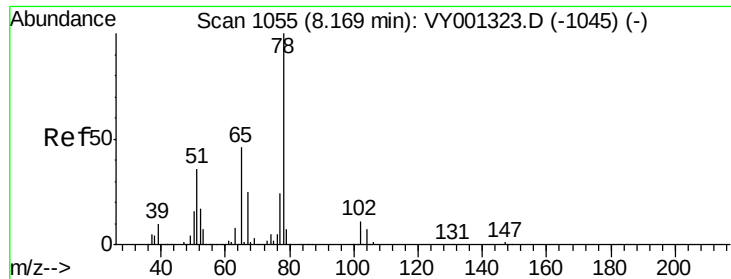
MMDadoda
2/3/2020 10:53:15 AM



#32
1,1,1-Trichloroethane
Concen: 22.645 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	44.6	35.9	53.9





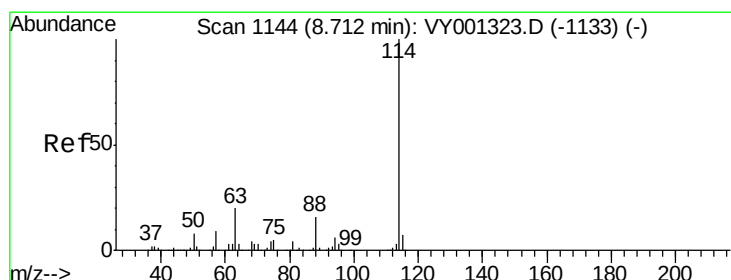
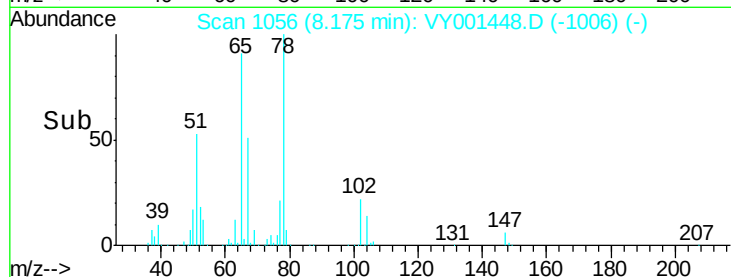
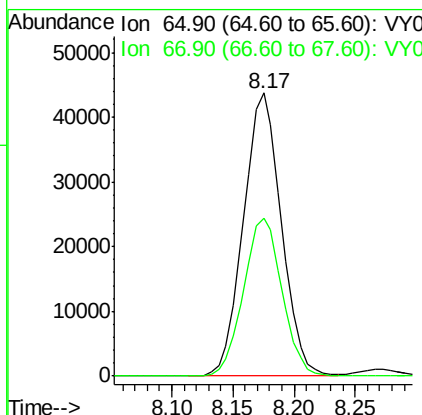
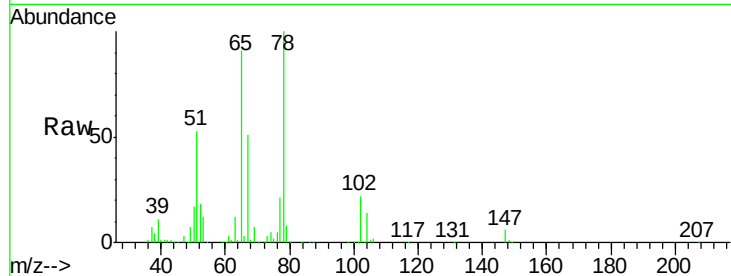
#33
 1,2-Dichloroethane-d4
 Concen: 47.556 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.6	0.0	108.6

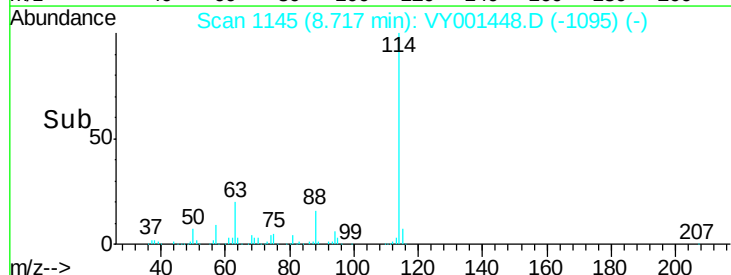
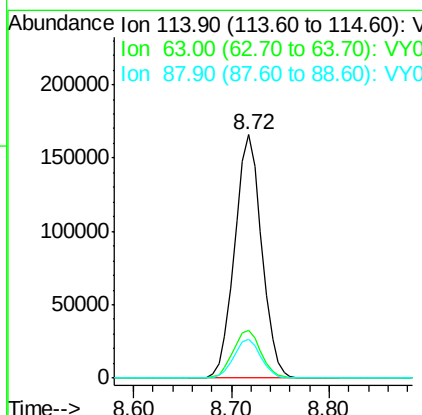
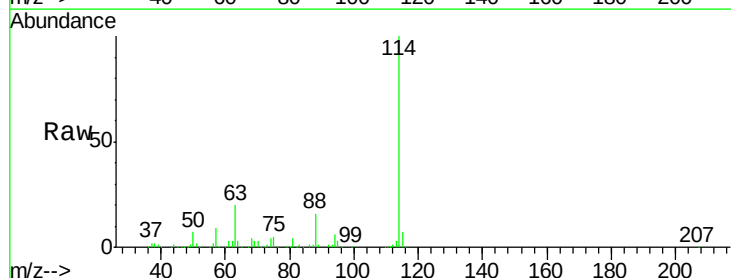
Manual Integrations
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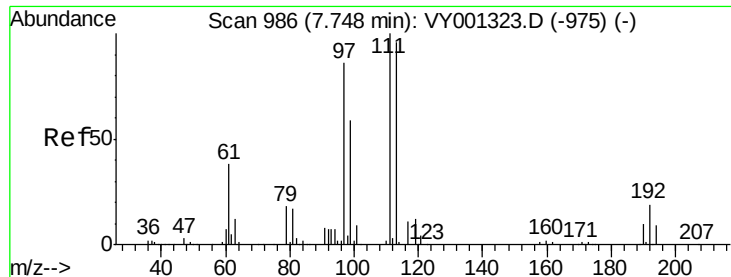
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 2/3/2020 10:53:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	15.9	0.0	31.0





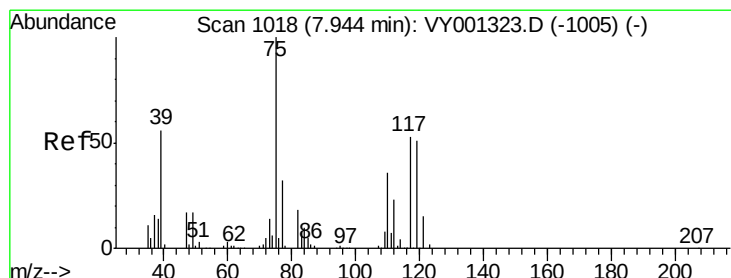
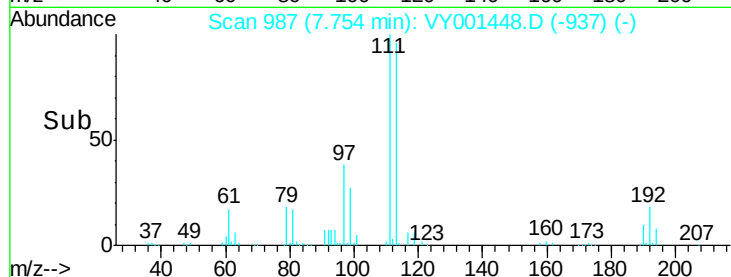
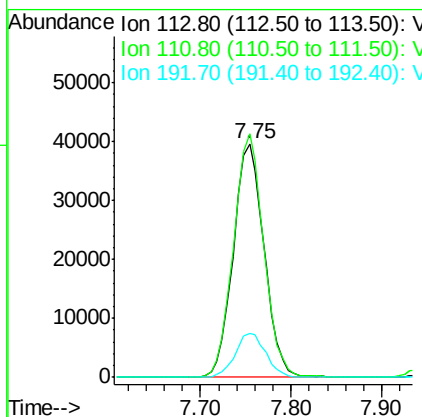
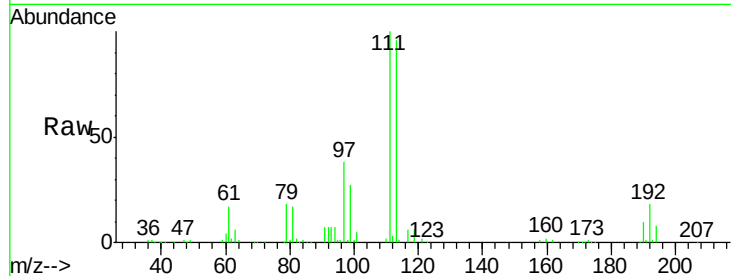
#35
 Dibromofluoromethane
 Concen: 50.103 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93288		
111	102.6	82.8	124.2	
192	18.8	15.5	23.3	

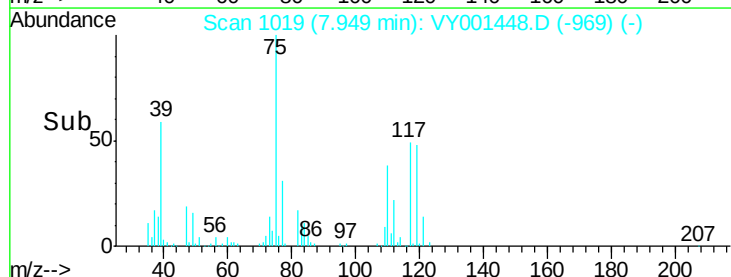
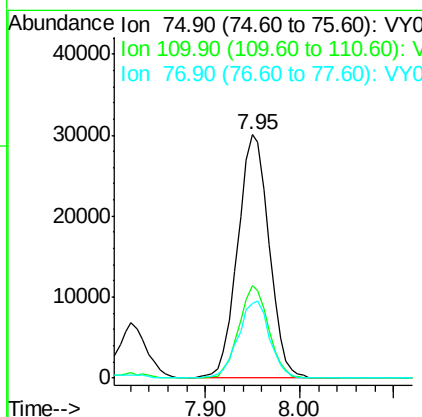
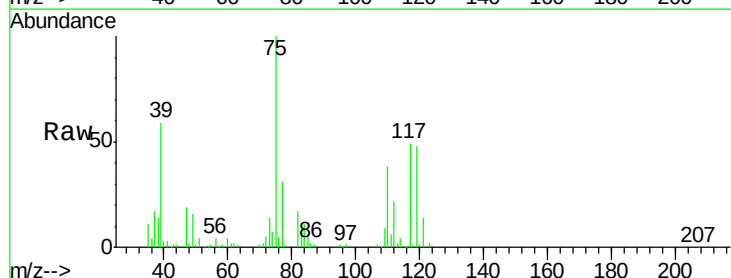
Manual Integrations
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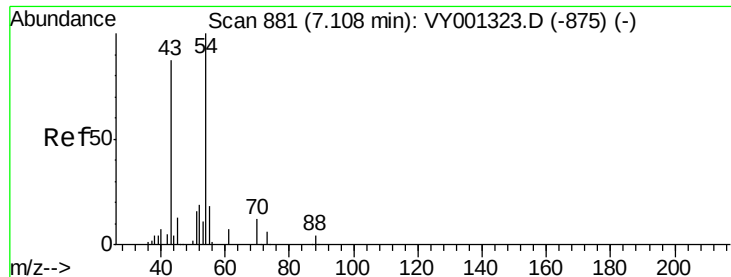
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 2/3/2020 10:53:15 AM



#36
 1,1-Dichloropropene
 Concen: 23.280 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69772		
110	35.9	17.6	52.8	
77	31.8	24.7	37.1	





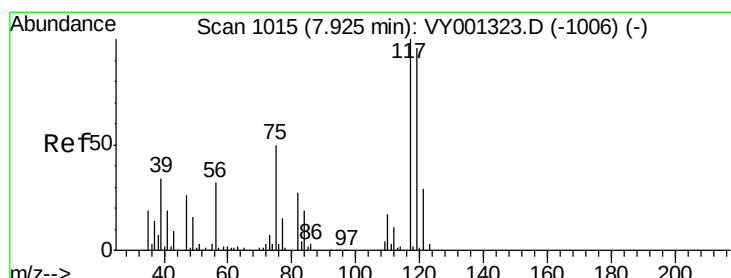
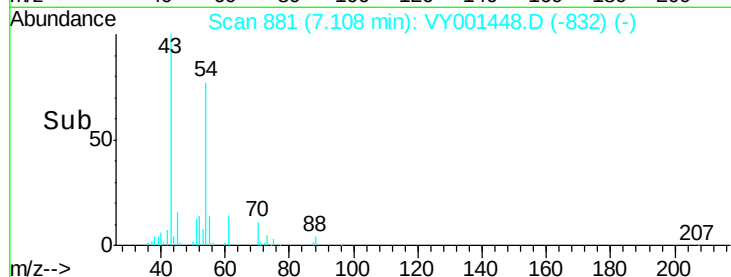
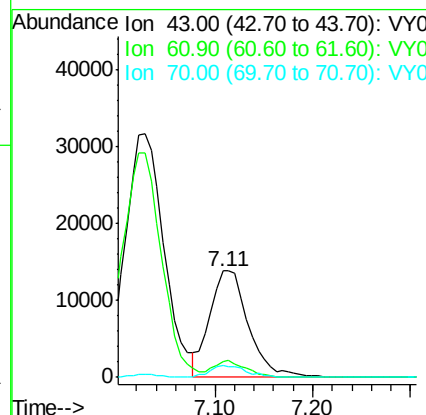
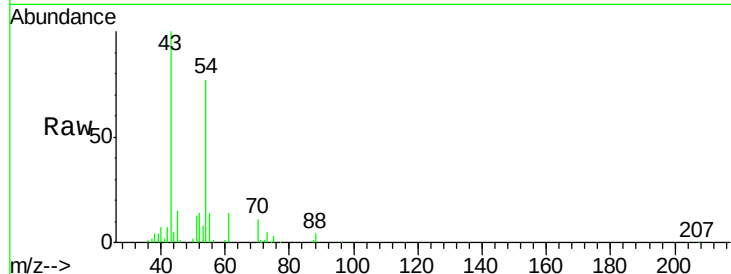
#37
Ethyl Acetate
Concen: 20.870 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.3	16.9
70	10.4	8.7	13.1

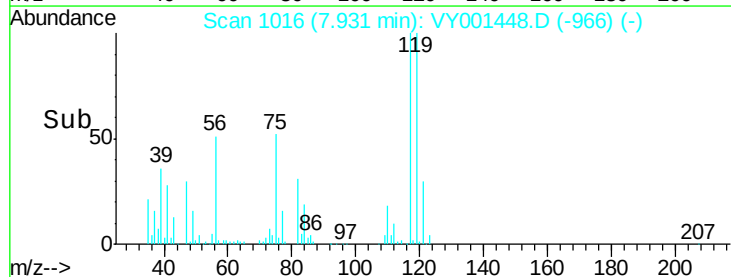
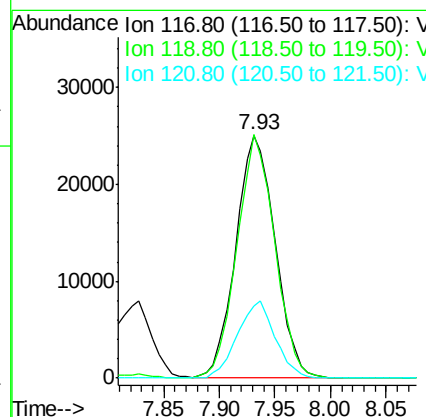
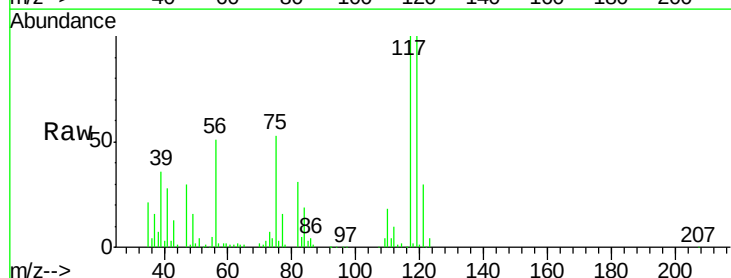
Manual Integrations
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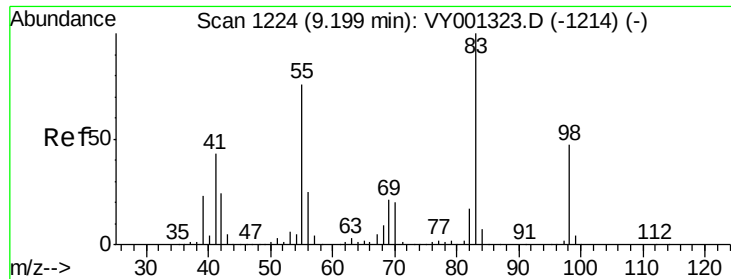
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#38
Carbon Tetrachloride
Concen: 22.984 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.4	76.3	114.5
121	29.9	23.5	35.3





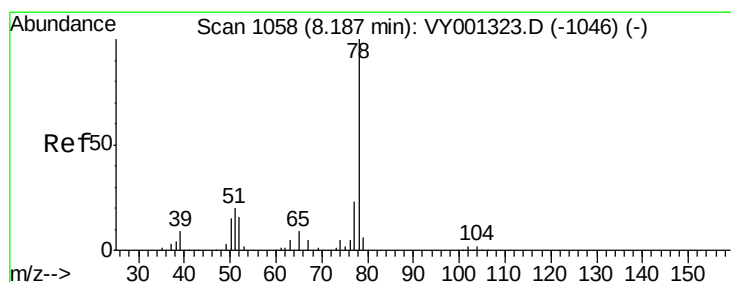
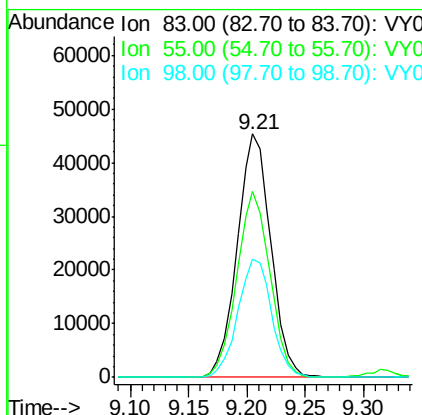
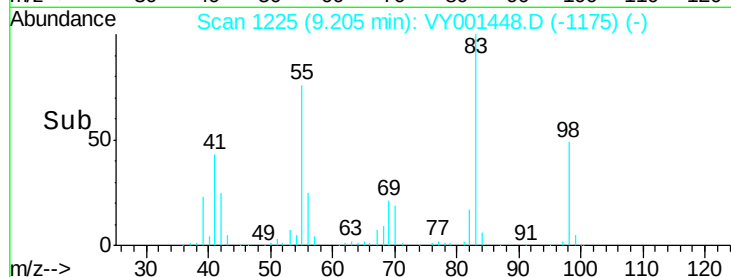
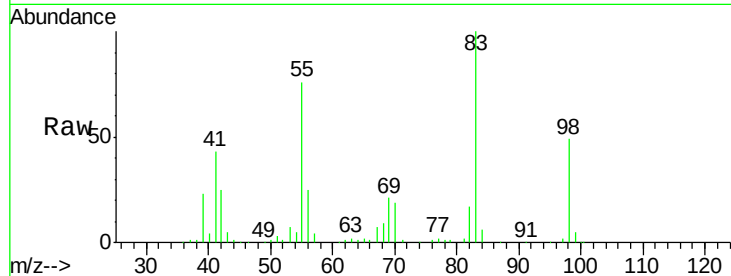
#39
Methylvlcyclohexane
Concen: 23.748 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	83.00	Resp	91180
Ion Ratio	100	Lower	Upper
83	100		
55	76.5	60.7	91.1
98	48.5	37.8	56.8

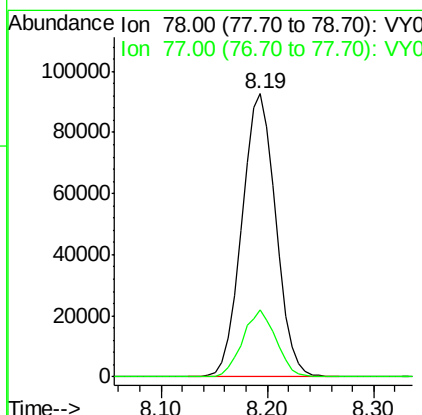
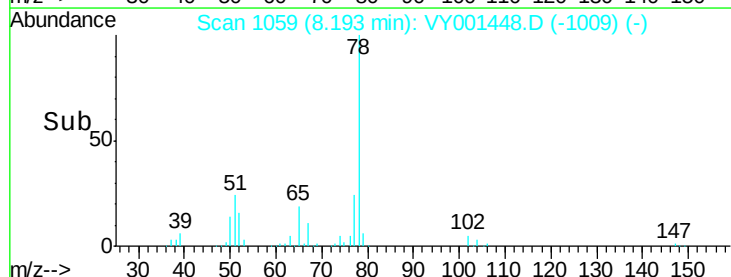
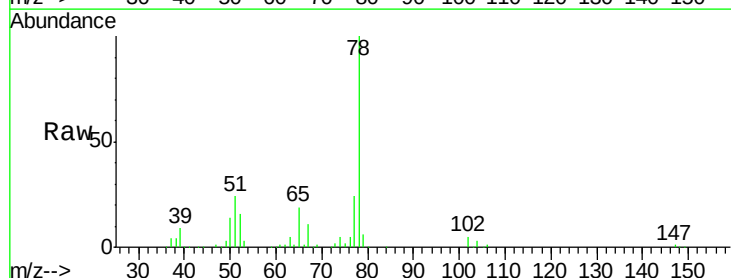
Manual Integrations
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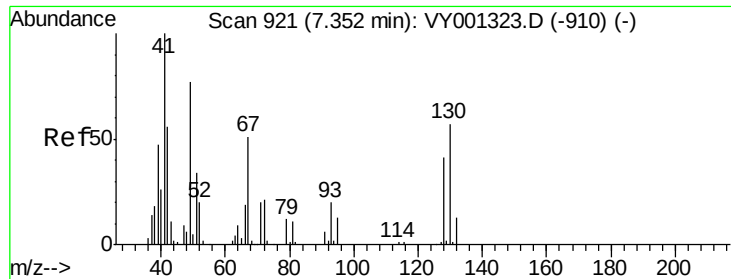
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#40
Benzene
Concen: 23.059 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	78.00	Resp	207219
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.6	27.8





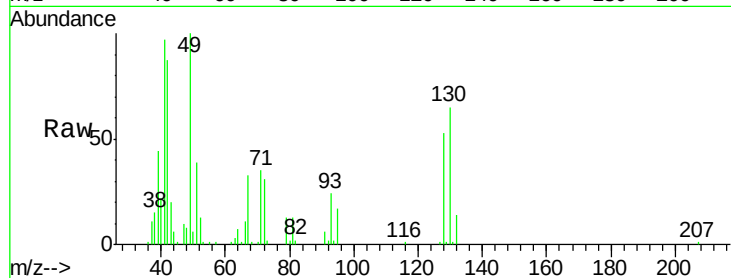
#41
Methacrylonitrile
Concen: 24.841 ug/l m
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

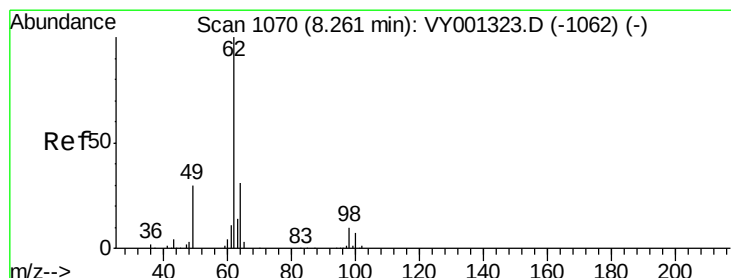
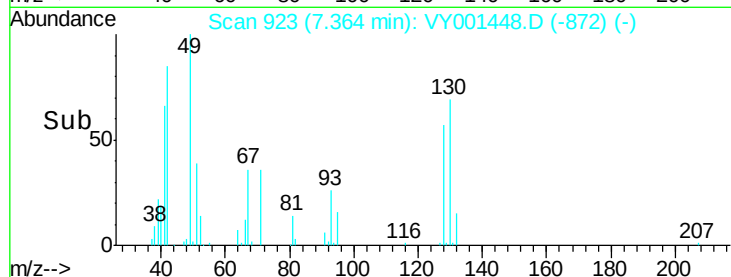
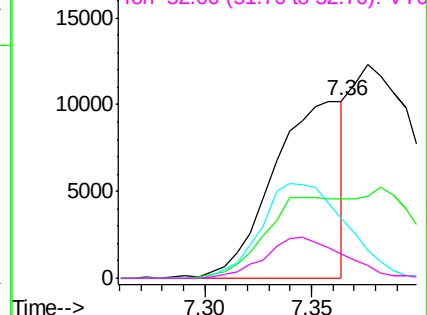
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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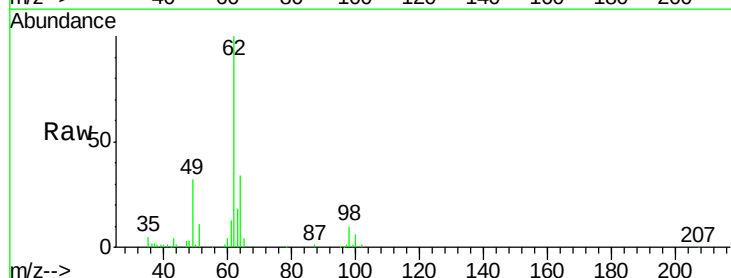


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

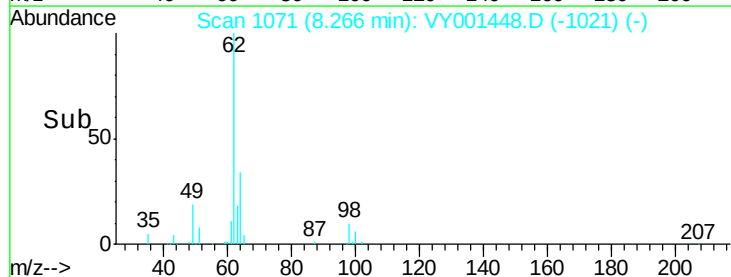
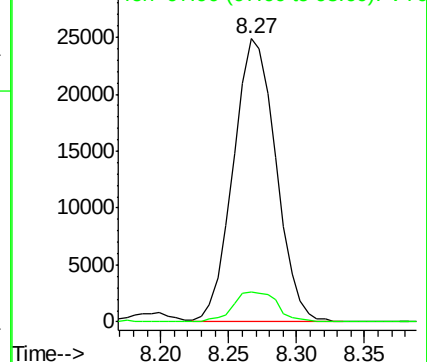


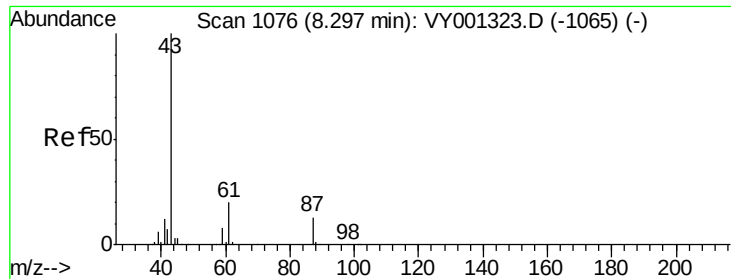
#42
1,2-Dichloroethane
Concen: 21.741 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





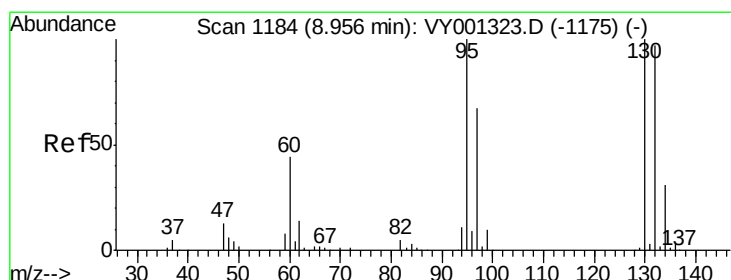
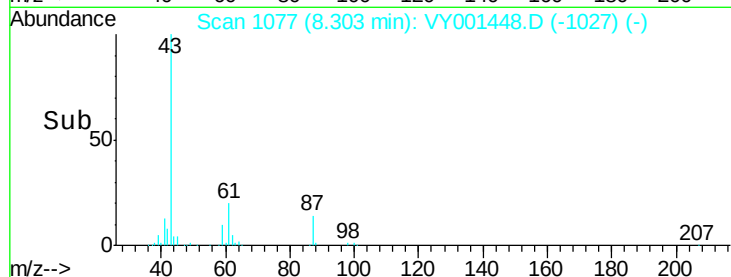
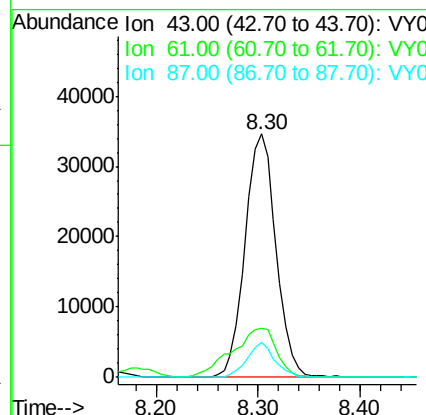
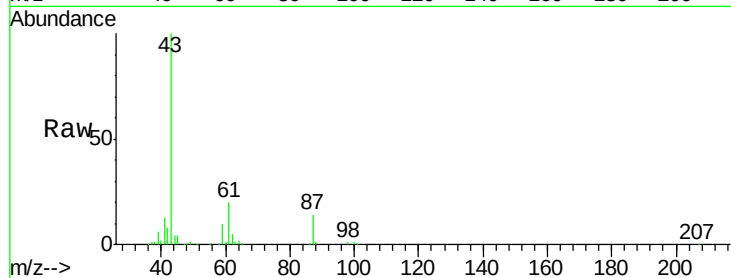
#43
Isopropyl Acetate
Concen: 20.530 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.7	34.1
87	12.9	11.0	16.4

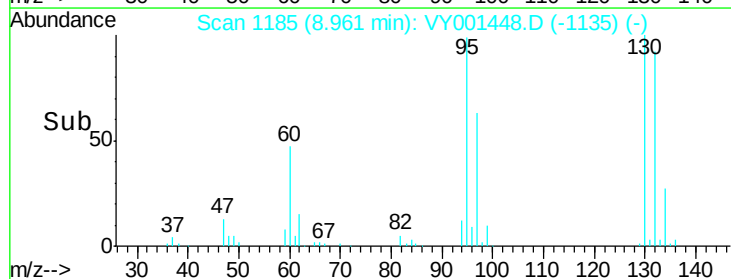
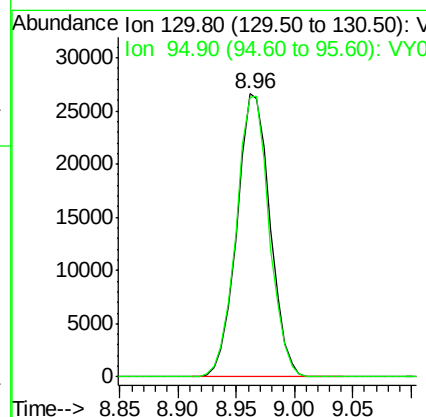
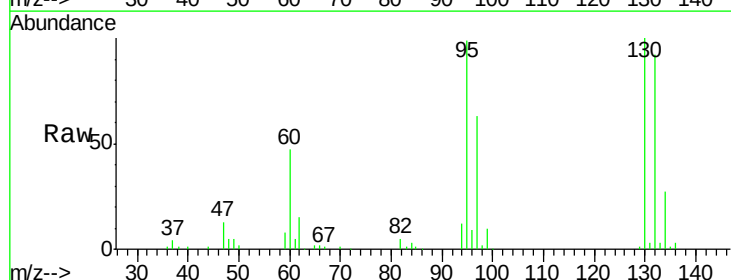
Manual Integrations
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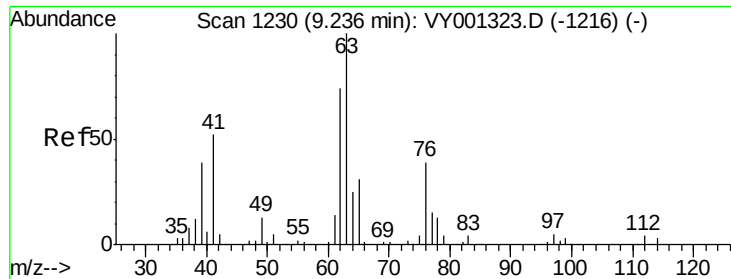
MMDadoda
2/3/2020 10:53:15 AM



#44
Trichloroethene
Concen: 22.895 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	200.0





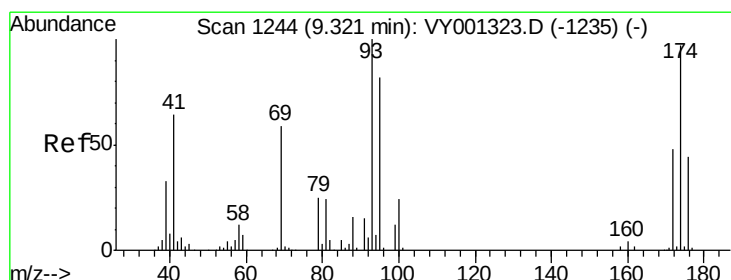
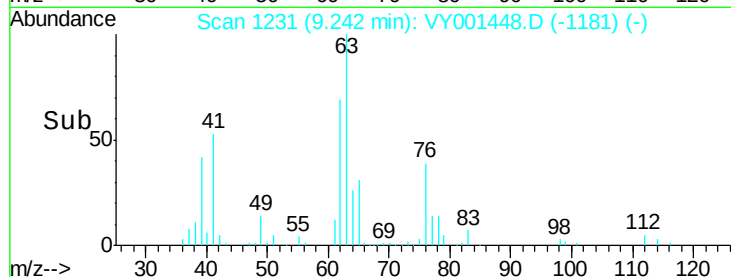
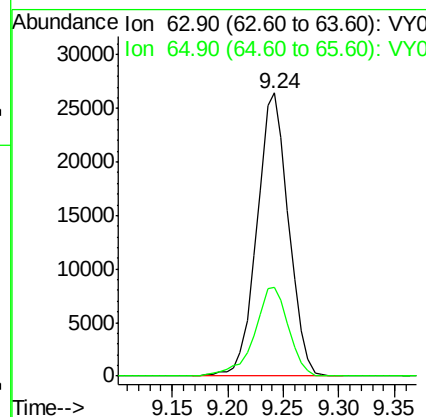
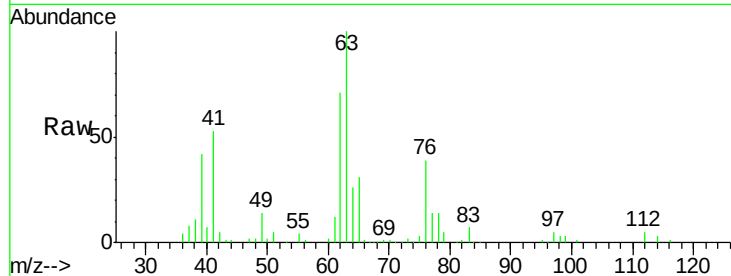
#45
 1,2-Dichloropropane
 Concen: 23.005 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion: 63 Resp: 52261
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3

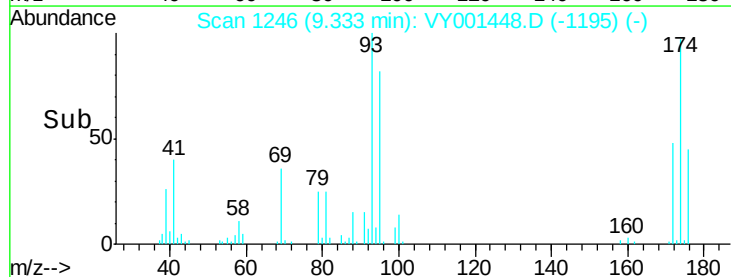
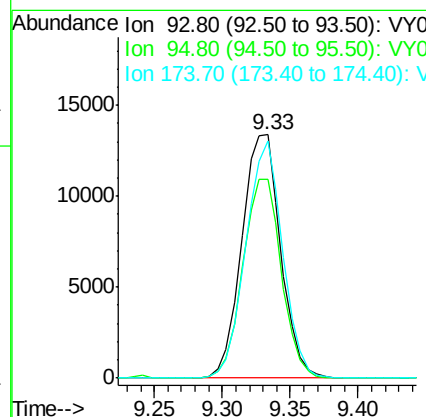
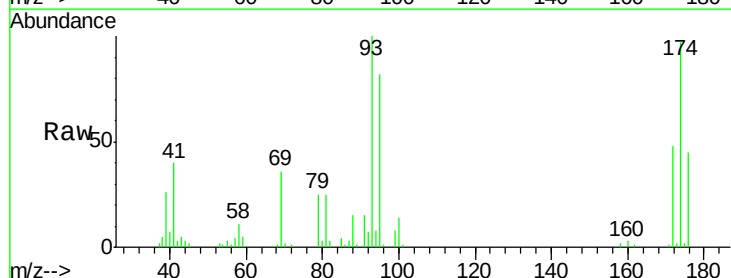
Manual Integrations
 APPROVED

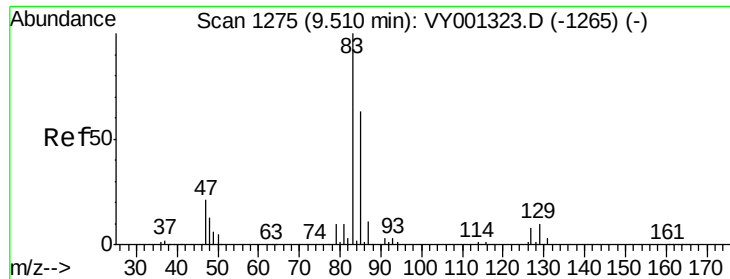
MMDadoda
 2/3/2020 10:53:15 AM



#46
 Dibromomethane
 Concen: 21.884 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion: 93 Resp: 26690
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.5 99.7
 174 92.4 77.9 116.9





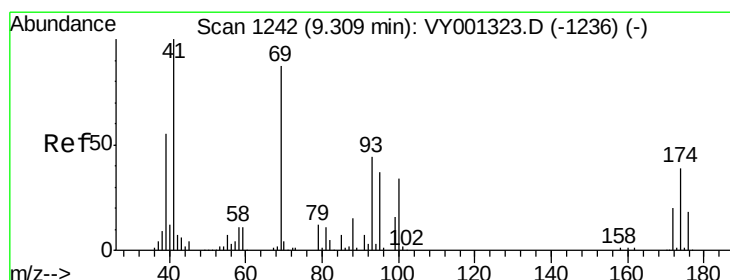
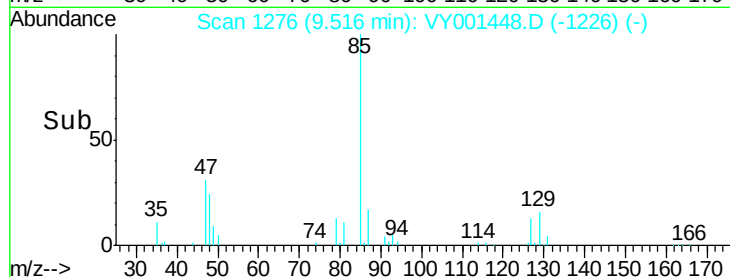
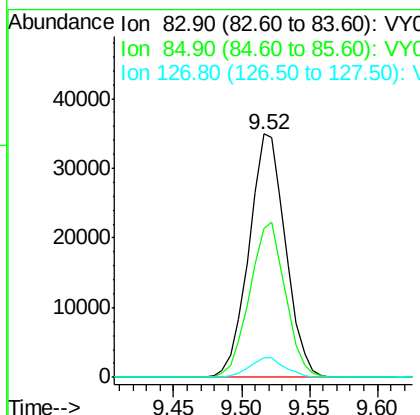
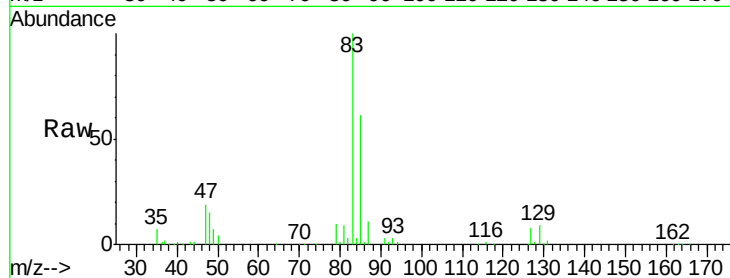
#47
Bromodichloromethane
Concen: 22.574 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.2	75.2
127	8.0	6.4	9.6

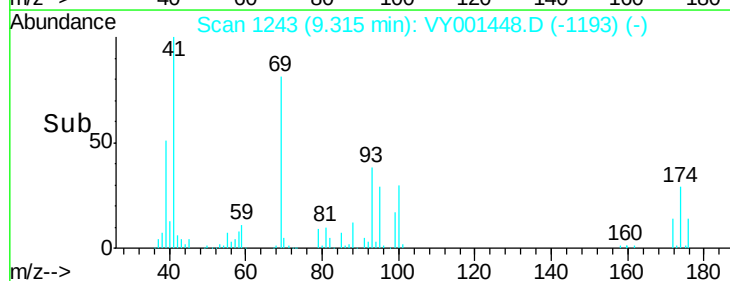
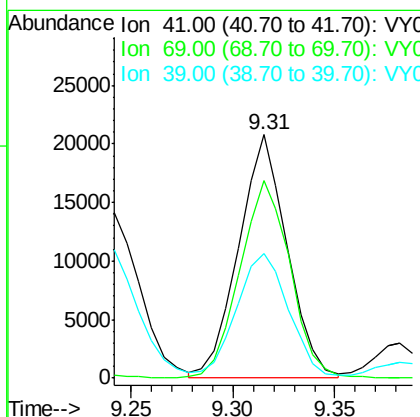
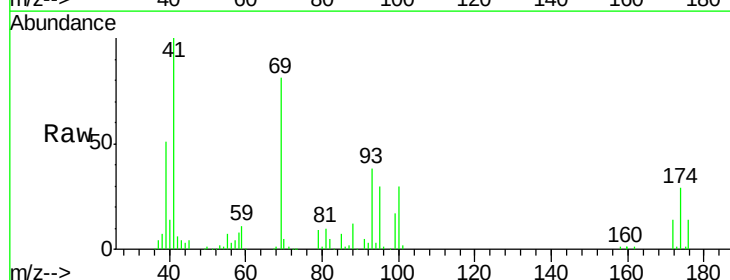
Manual Integrations
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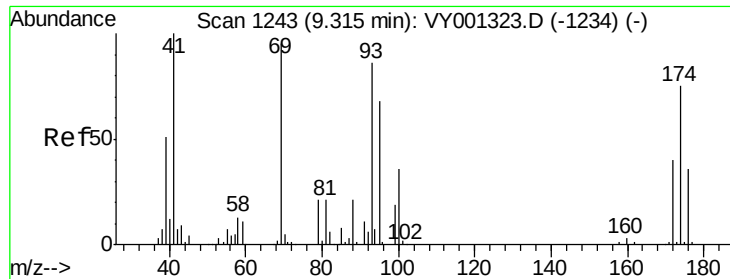
MMDadoda
2/3/2020 10:53:15 AM



#48
Methyl methacrylate
Concen: 21.263 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.6	70.2	105.4
39	52.1	45.7	68.5





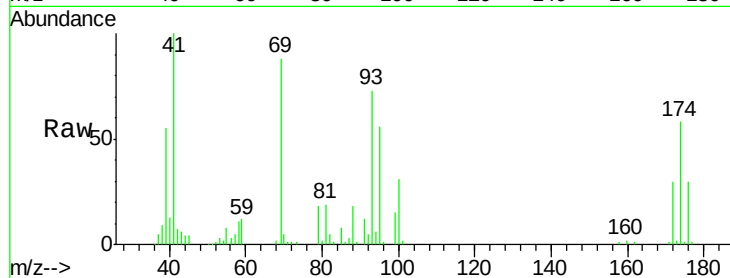
#49
1,4-Dioxane
Concen: 422.645 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	28.2	42.2
58	68.3	55.6	83.4

Manual Integrations
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MMDadoda
2/3/2020 10:53:15 AM

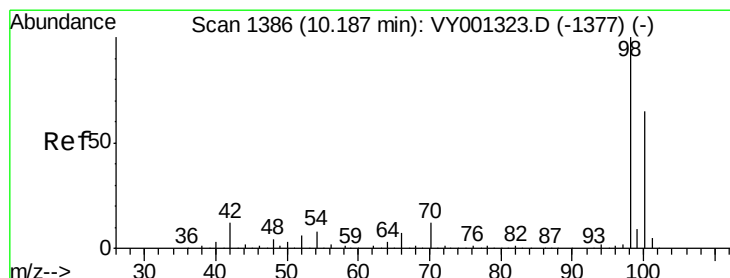
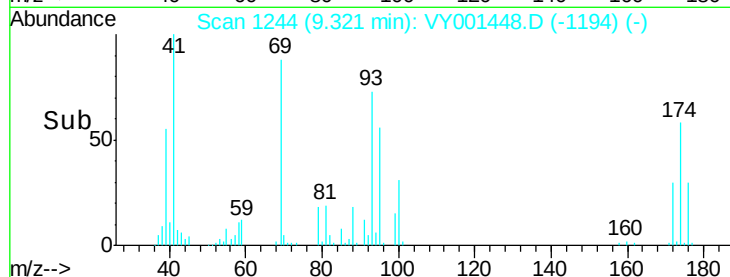
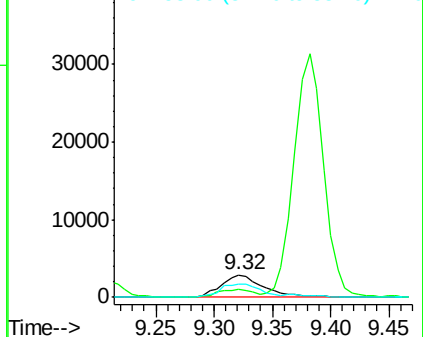


Abundance

Ion 88.00 (87.70 to 88.70): VY001323.D (-1234) (-)

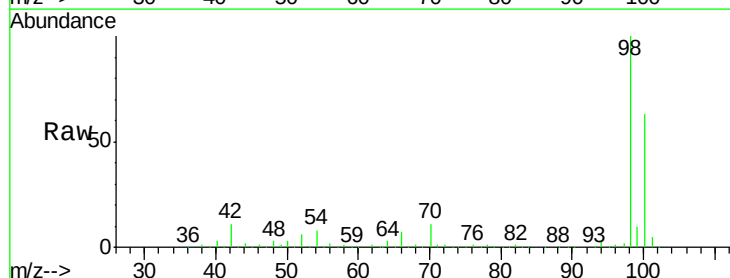
Ion 43.00 (42.70 to 43.70): VY001323.D (-1234) (-)

Ion 58.00 (57.70 to 58.70): VY001323.D (-1234) (-)



#50
Toluene-d8
Concen: 52.610 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

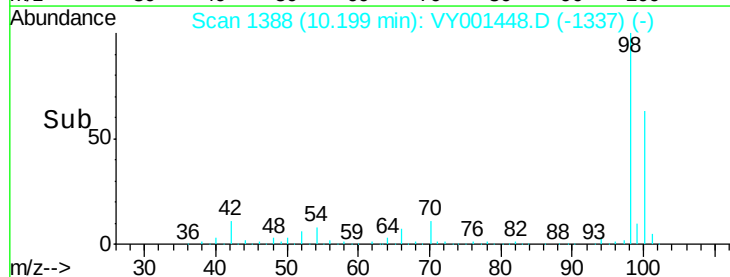
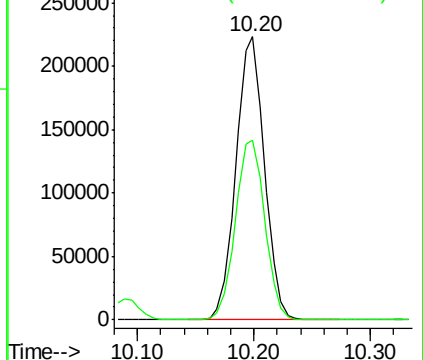
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0

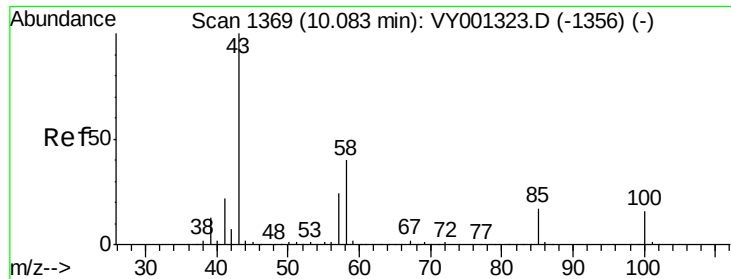


Abundance

Ion 98.00 (97.70 to 98.70): VY001323.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001323.D (-1377) (-)





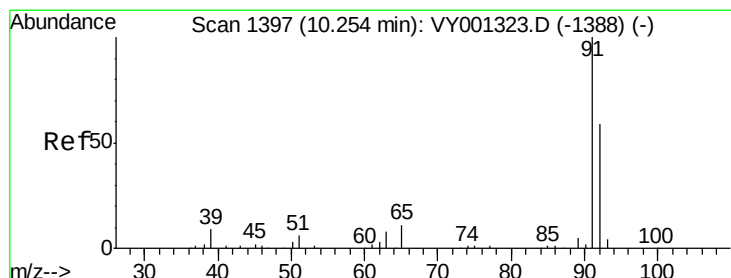
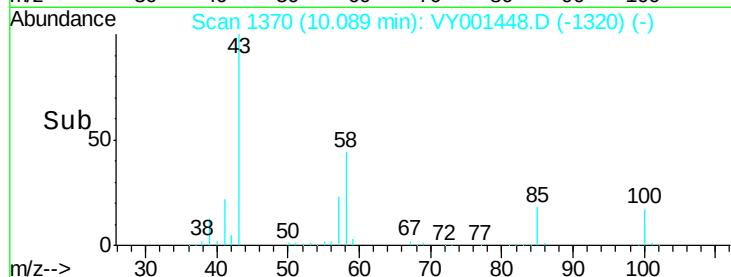
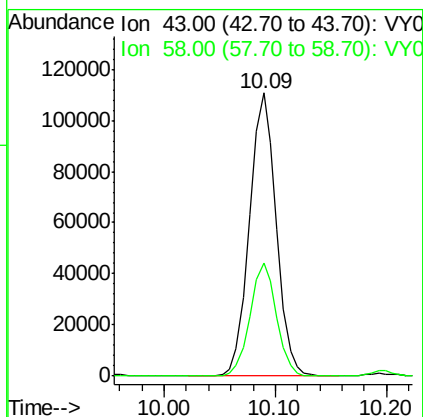
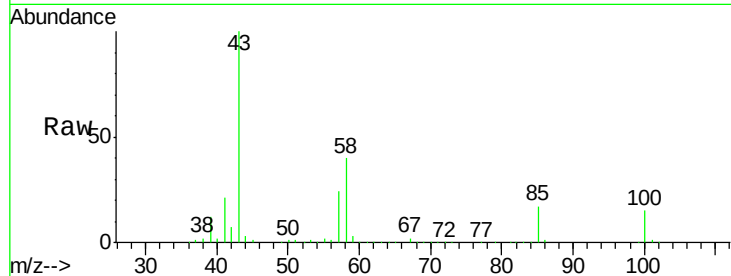
#51
4-Methyl-2-Pentanone
Concen: 100.909 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3

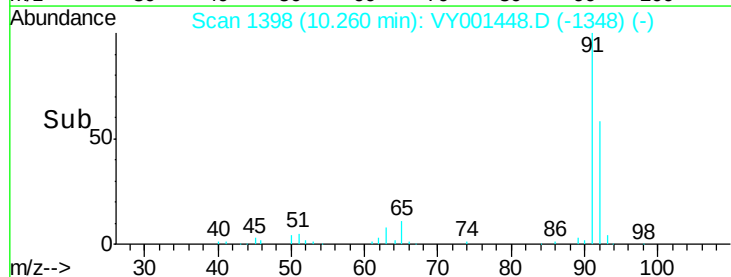
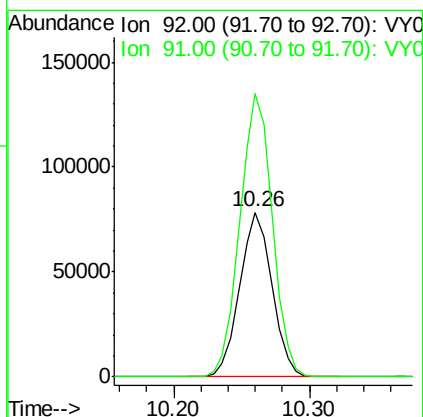
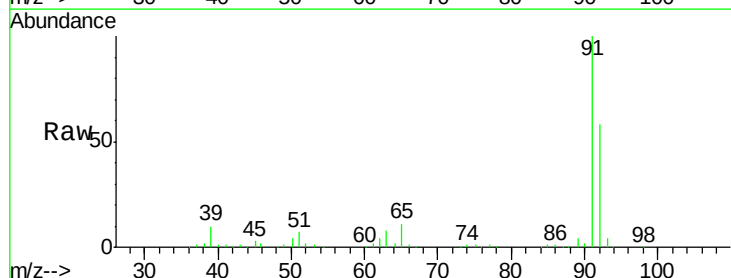
Manual Integrations
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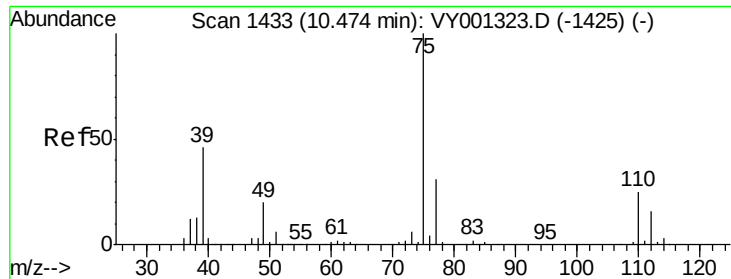
MMDadoda
2/3/2020 10:53:15 AM



#52
Toluene
Concen: 22.845 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.4	204.6





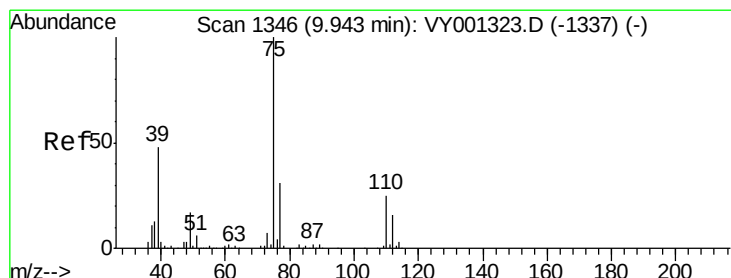
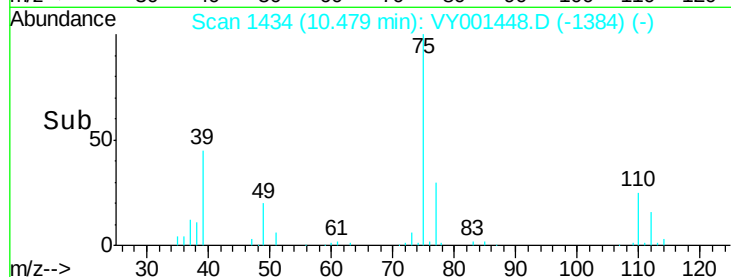
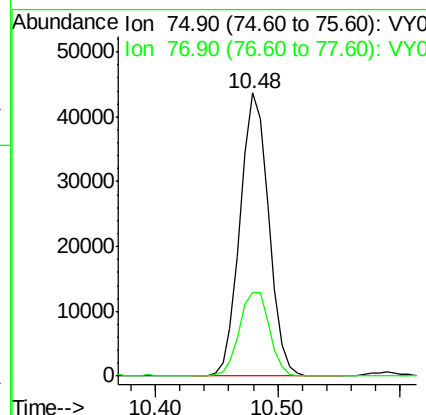
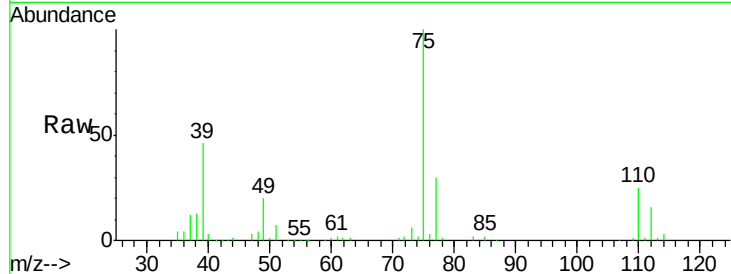
#53
t-1,3-Dichloropropene
Concen: 21.883 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion: 75 Resp: 70717
Ion Ratio Lower Upper
75 100
77 29.7 25.2 37.8

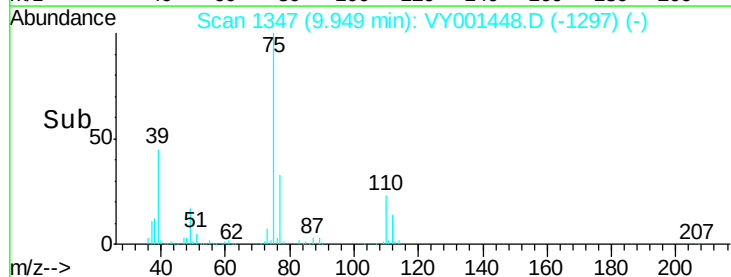
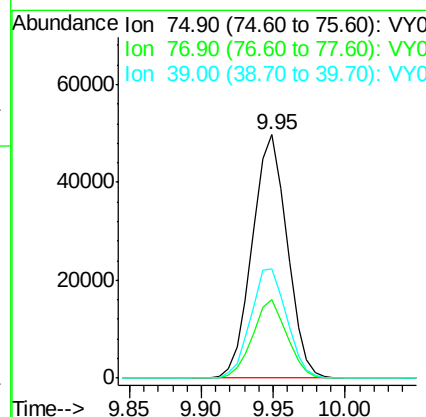
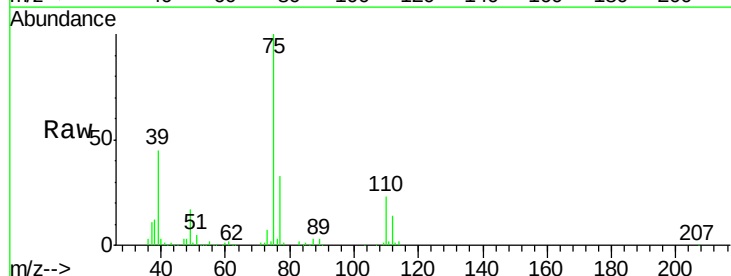
Manual Integrations
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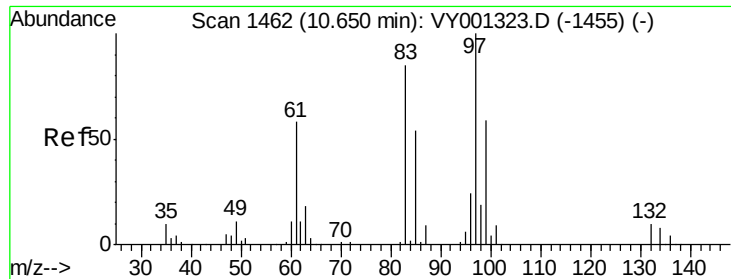
MMDadoda
2/3/2020 10:53:15 AM



#54
cis-1,3-Dichloropropene
Concen: 22.428 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion: 75 Resp: 83188
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 44.7 38.2 57.4





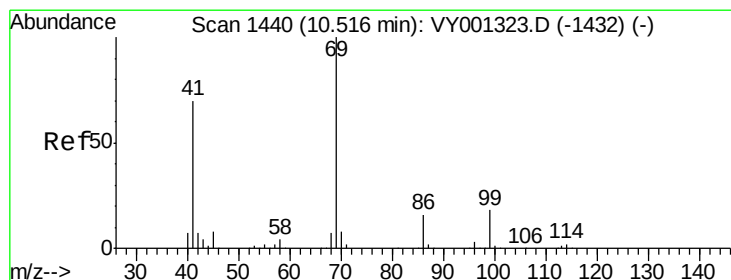
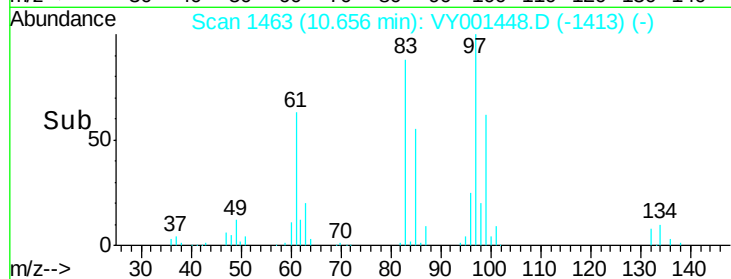
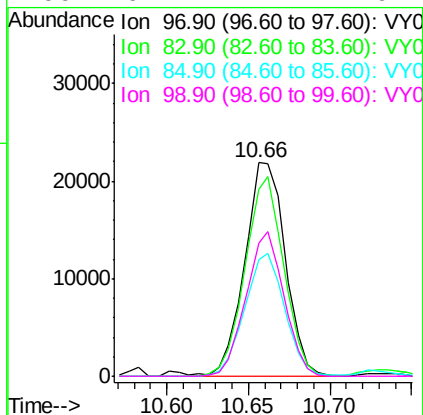
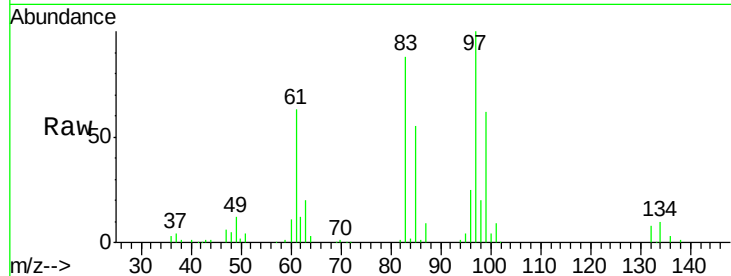
#55
 1,1,2-Trichloroethane
 Concen: 21.118 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion:	97	Resp:	38014
Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.0	102.0
85	54.5	43.6	65.4
99	62.4	47.1	70.7

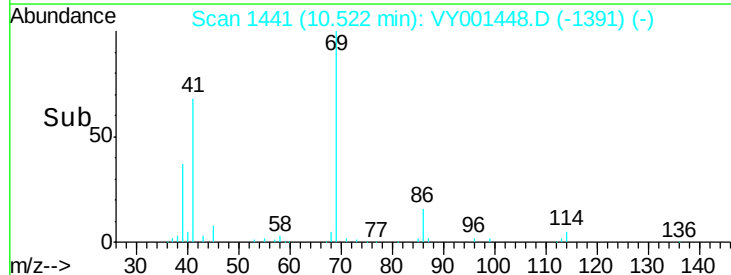
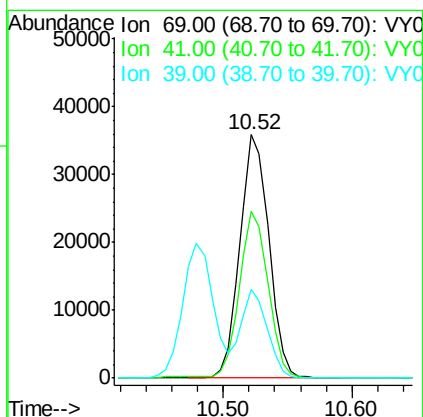
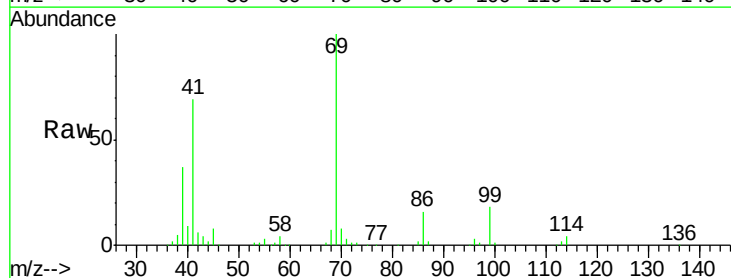
Manual Integrations
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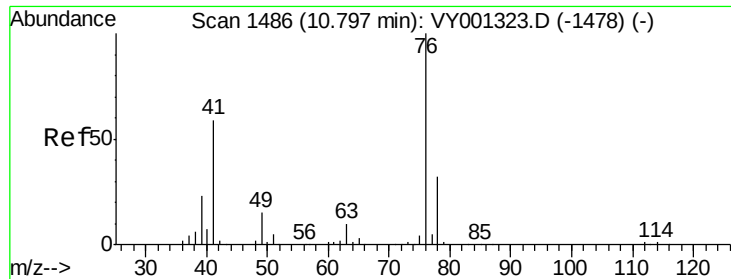
MMDadoda
 2/3/2020 10:53:15 AM



#56
 Ethyl methacrylate
 Concen: 20.536 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion:	69	Resp:	55872
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.1	81.1
39	33.4	26.8	40.2





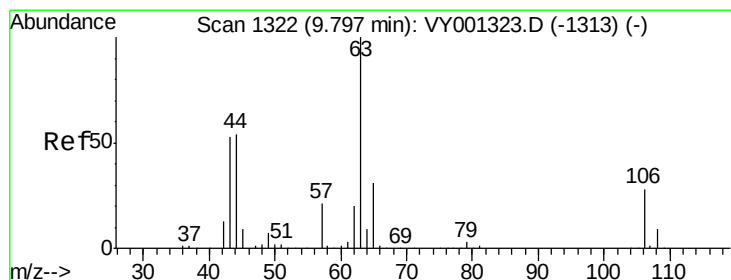
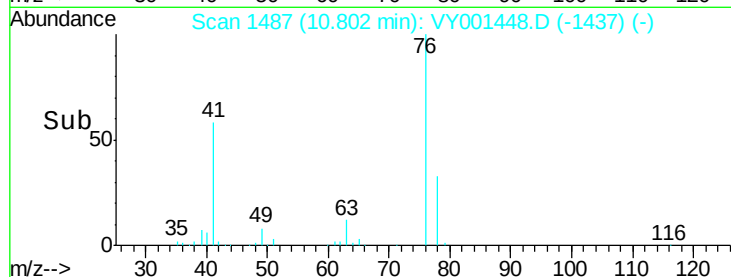
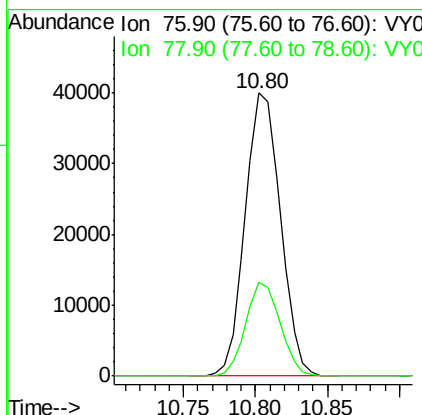
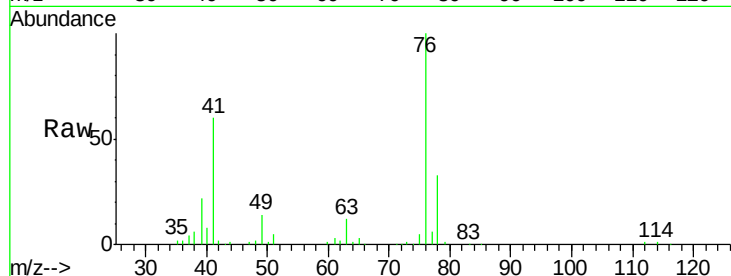
#57
 1,3-Dichloropropane
 Concen: 21.637 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion: 76 Resp: 67849
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

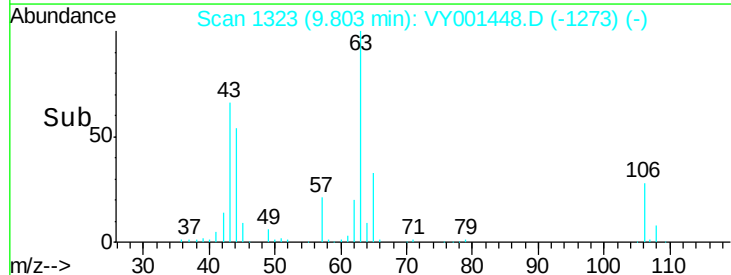
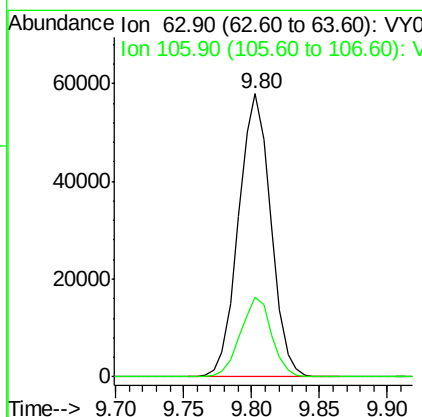
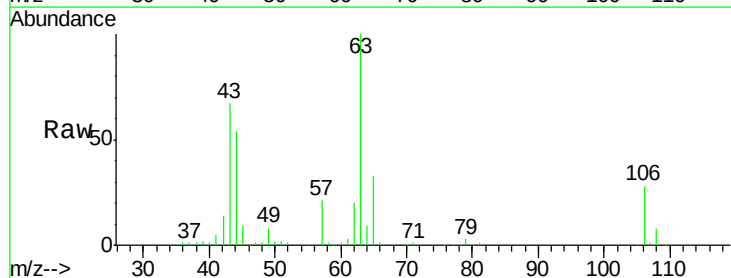
Manual Integrations
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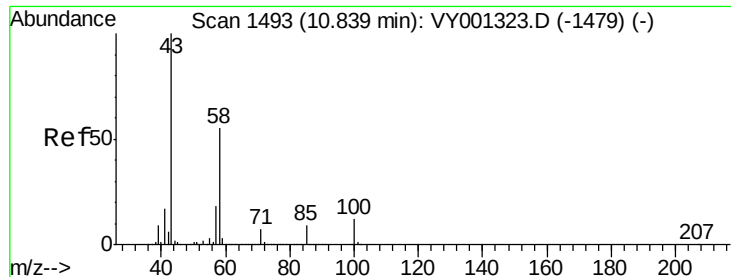
MMDadoda
 2/3/2020 10:53:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.760 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion: 63 Resp: 95804
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.5 33.7





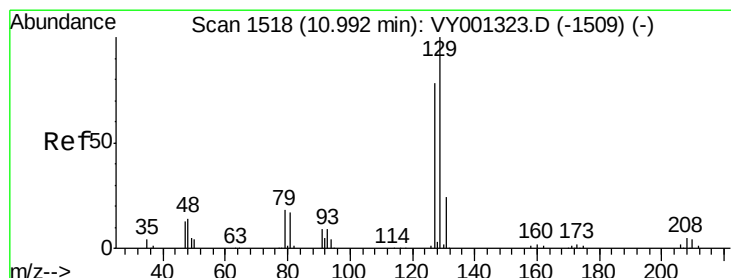
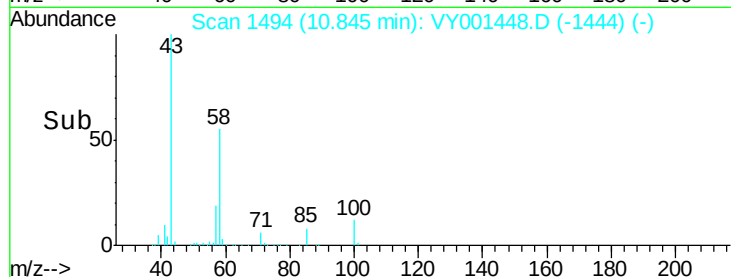
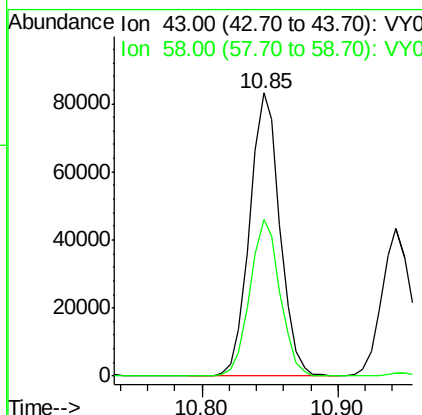
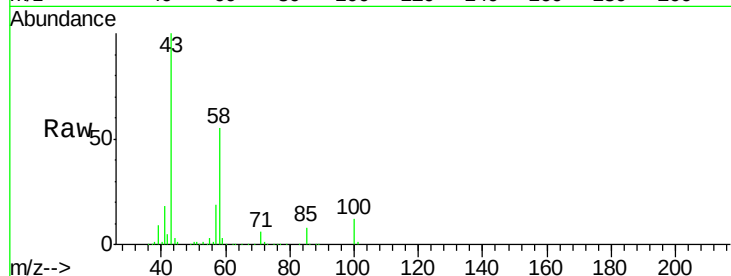
#59
2-Hexanone
Concen: 101.686 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion: 43 Resp: 129808
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.8

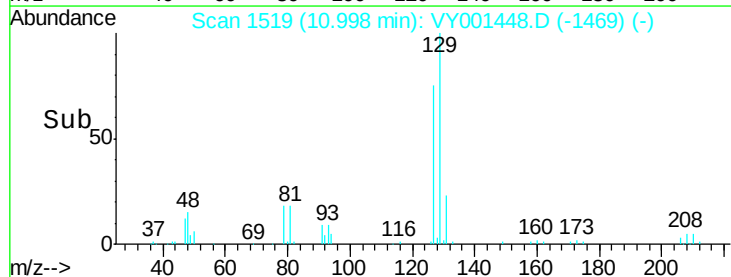
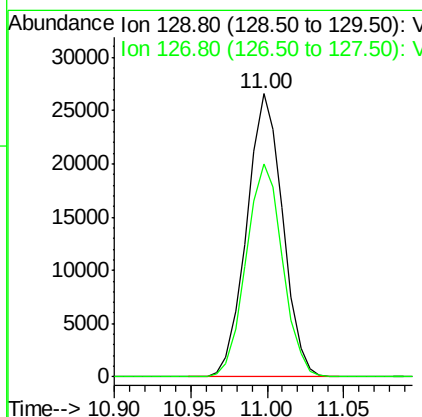
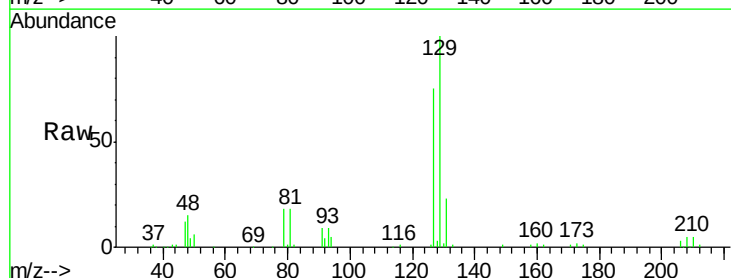
Manual Integrations
APPROVED

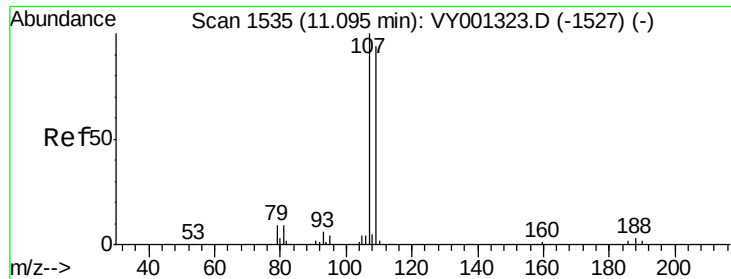
MMDadoda
2/3/2020 10:53:15 AM



#60
Dibromochloromethane
Concen: 21.594 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion:129 Resp: 43476
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.4





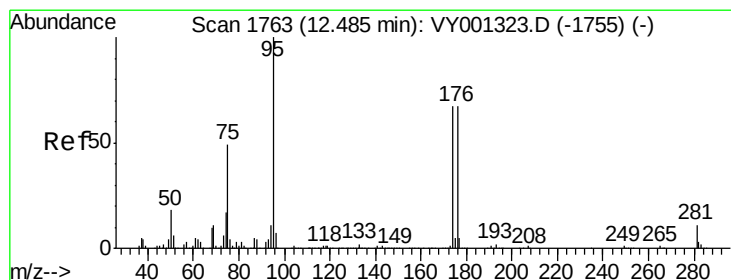
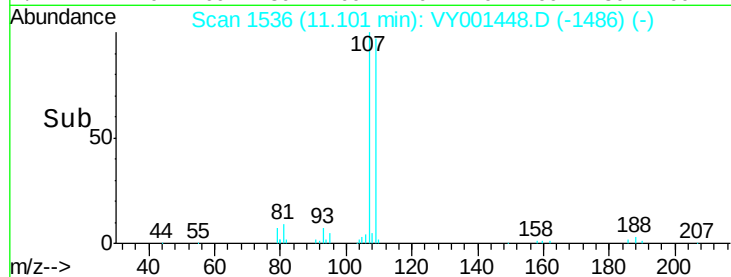
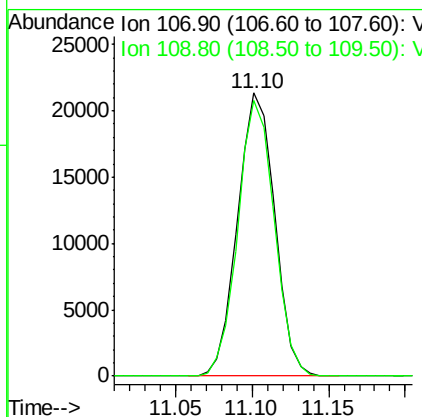
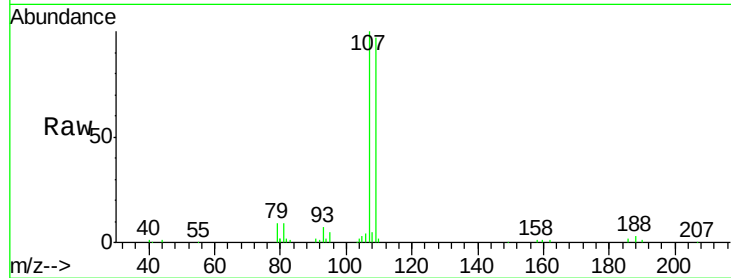
#61
1,2-Dibromoethane
Concen: 21.147 ug/l
RT: 11.10 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.0	112.6

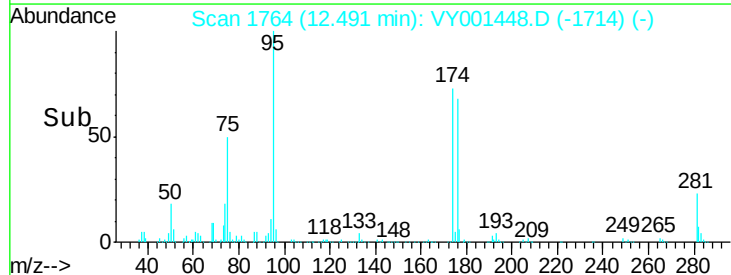
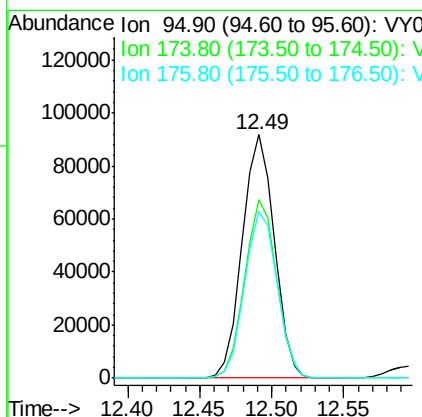
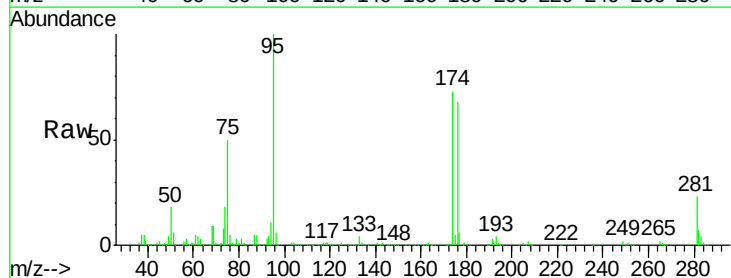
Manual Integrations
APPROVED

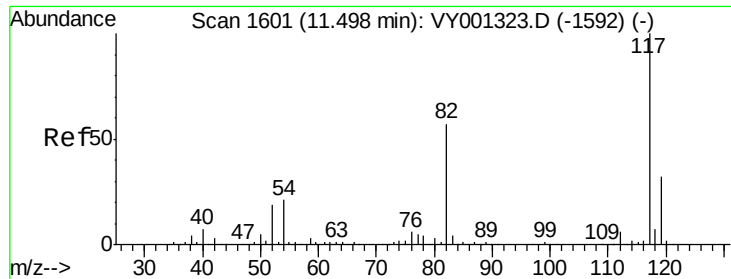
MMDadoda
2/3/2020 10:53:15 AM



#62
4-Bromofluorobenzene
Concen: 49.172 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	142.0
176	69.3	0.0	138.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion:117 Resp: 280428

Ion Ratio Lower Upper

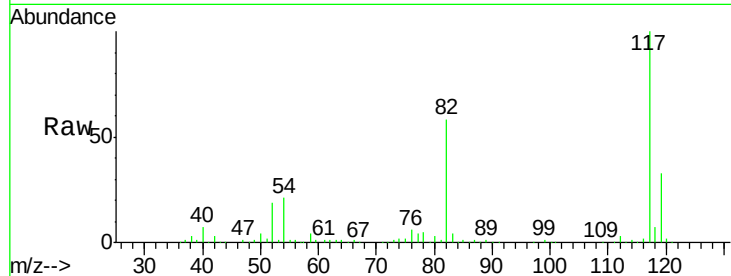
117 100

82 57.9 45.5 68.3

119 32.8 25.8 38.6

Manual Integrations
APPROVED

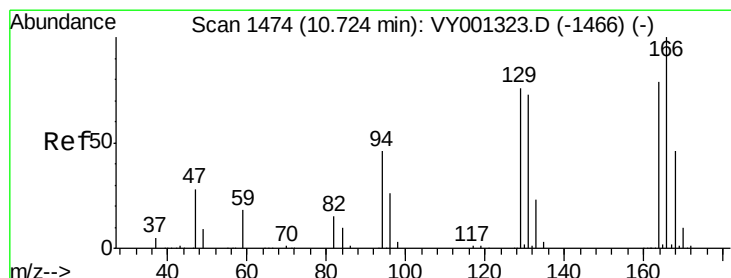
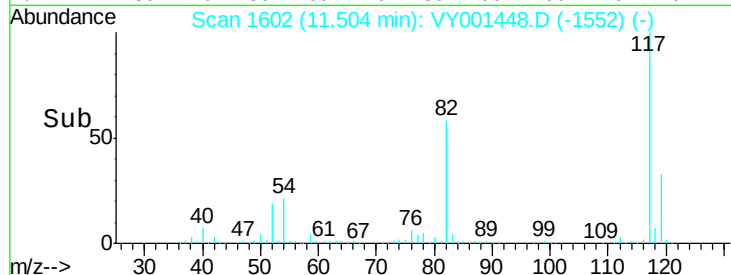
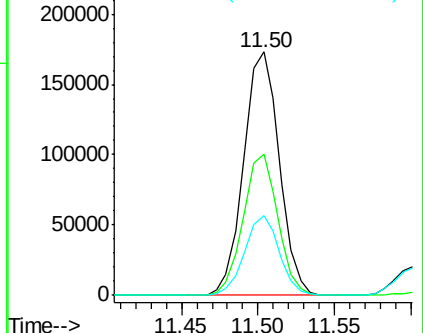
MMDadoda
2/3/2020 10:53:15 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 23.369 ug/l

RT: 10.74 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Tgt Ion:164 Resp: 41861

Ion Ratio Lower Upper

164 100

166 122.3 101.8 152.8

129 93.7 77.1 115.7

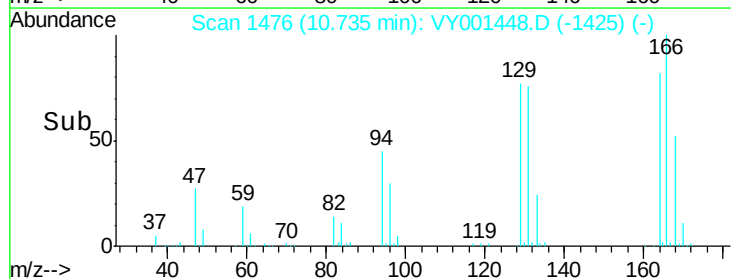
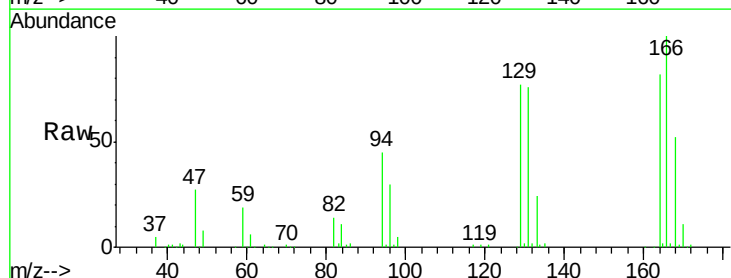
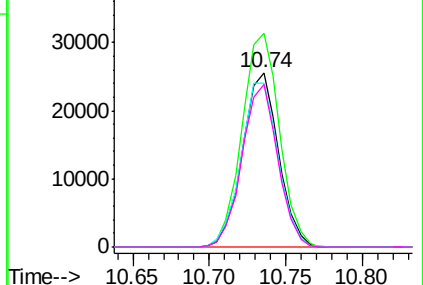
131 92.9 74.2 111.2

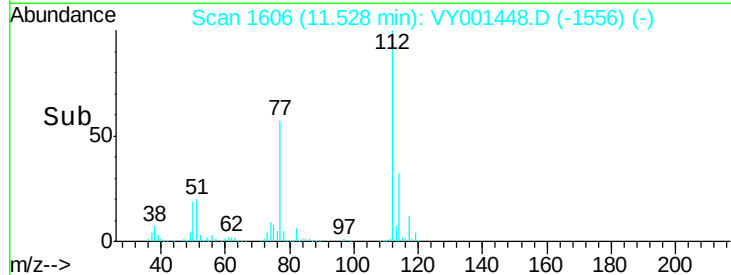
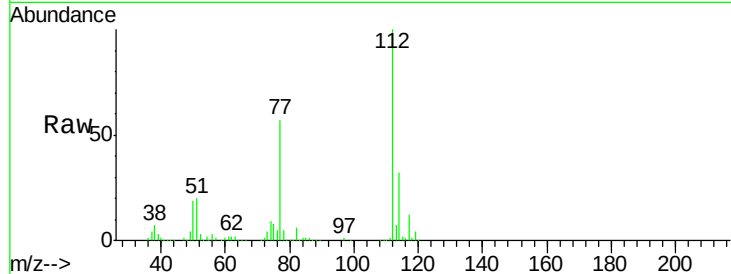
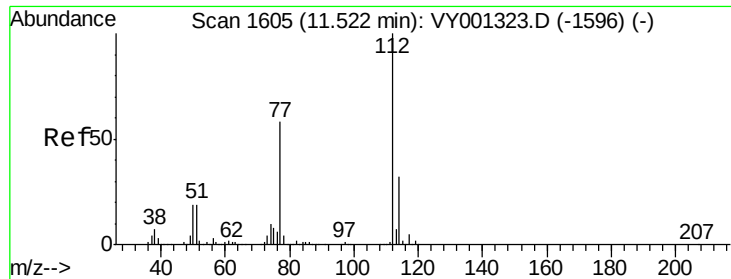
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





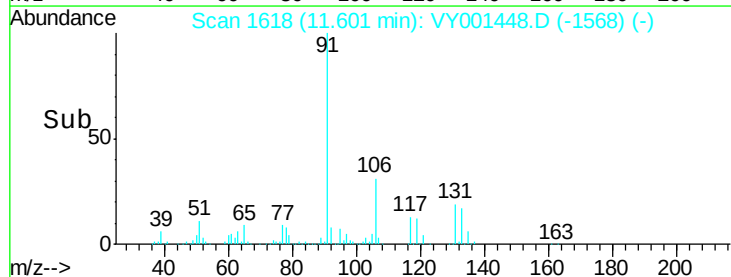
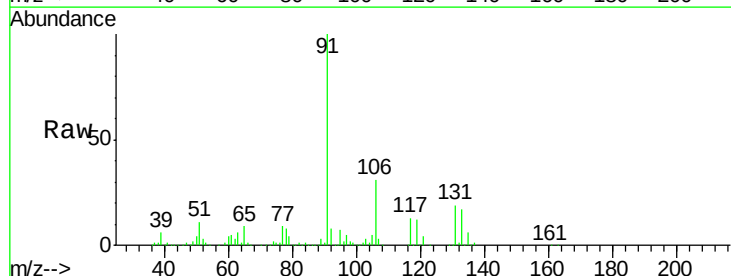
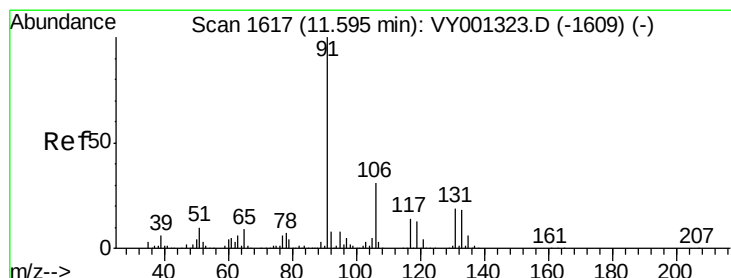
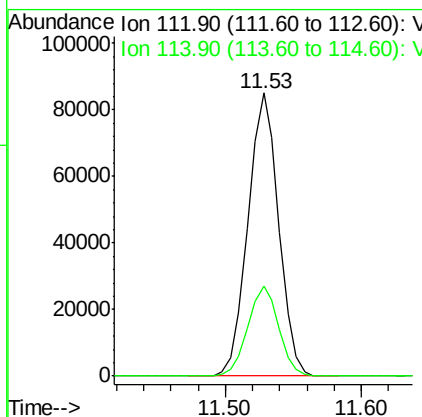
#65
Chlorobenzene
Concen: 22.722 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tot Ion	Ratio	Resp	Lower	Upper
112	100	134312		
114	31.9	25.8	38.6	

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

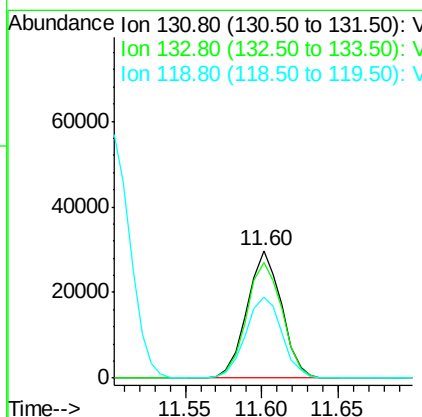
Manual Integrations
APPROVED

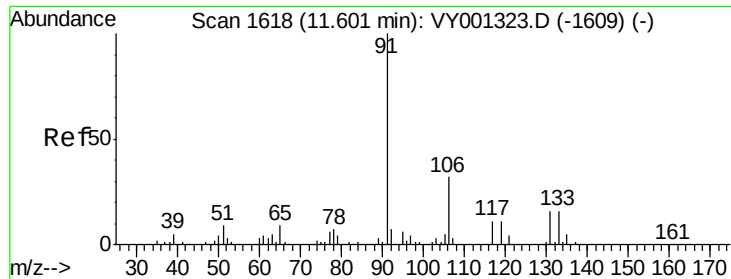
MMDadoda
2/3/2020 10:53:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.103 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	46605		
133	93.7	47.1	141.3	
119	66.7	34.1	102.2	





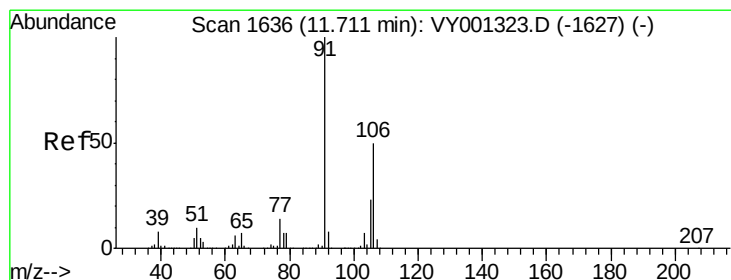
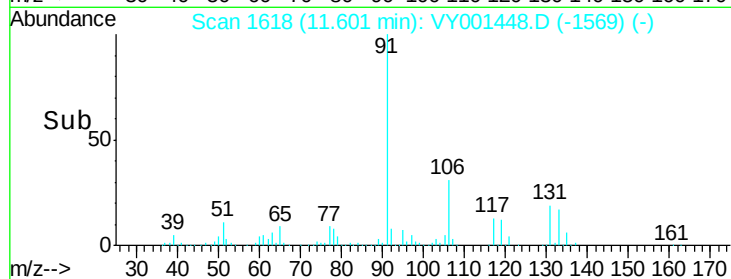
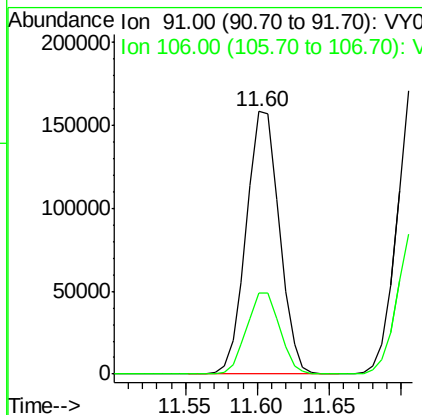
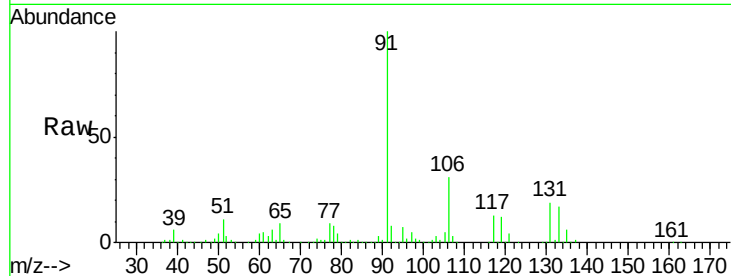
#67
Ethyl Benzene
Concen: 23.159 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.4	38.0

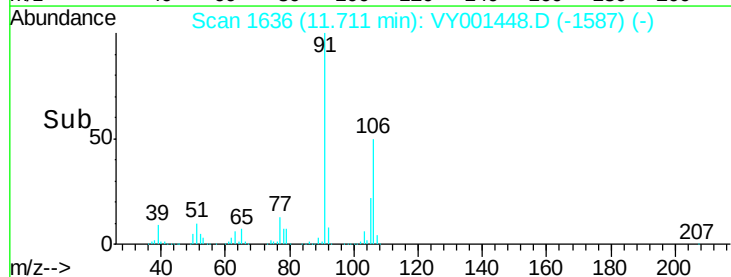
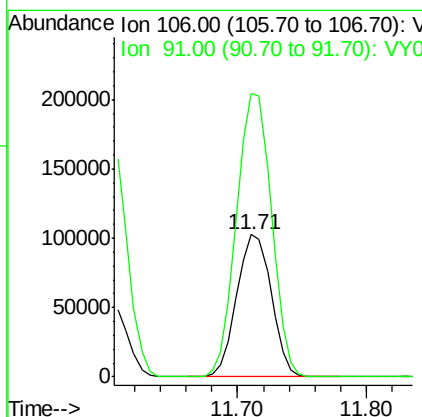
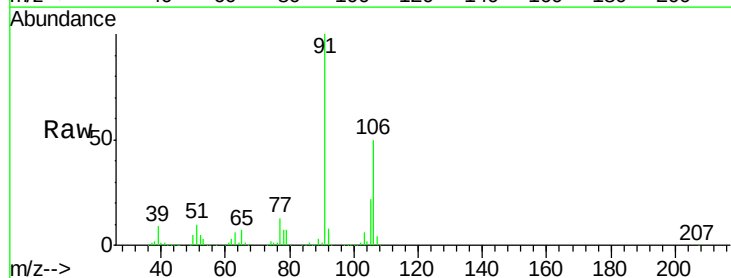
Manual Integrations
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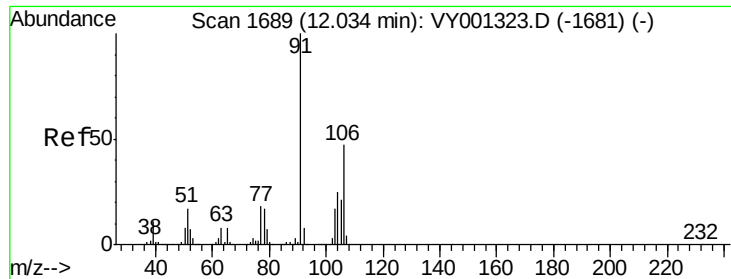
MMDadoda
2/3/2020 10:53:15 AM



#68
m/p-Xylenes
Concen: 47.114 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.1	162.8	244.2





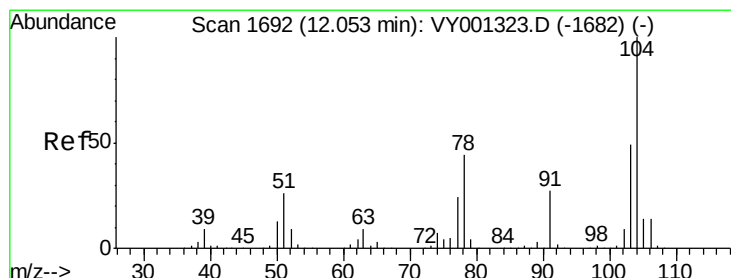
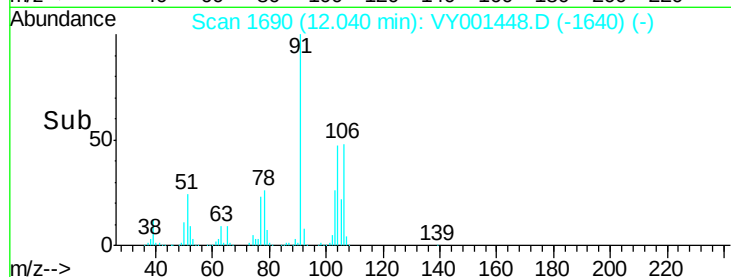
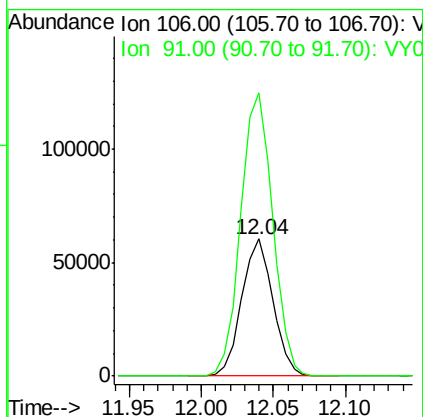
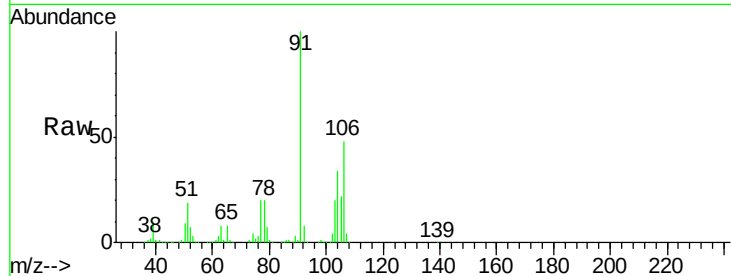
#69
o-Xylene
Concen: 23.212 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	106.3	319.0

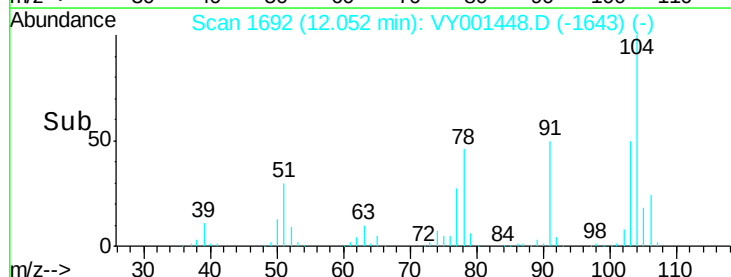
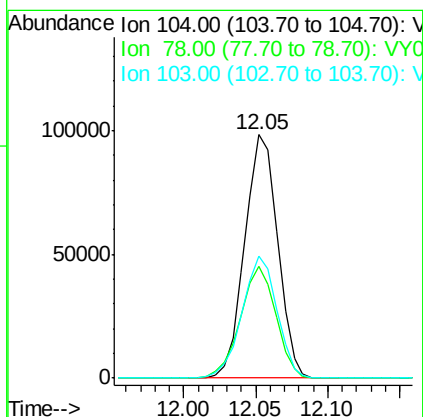
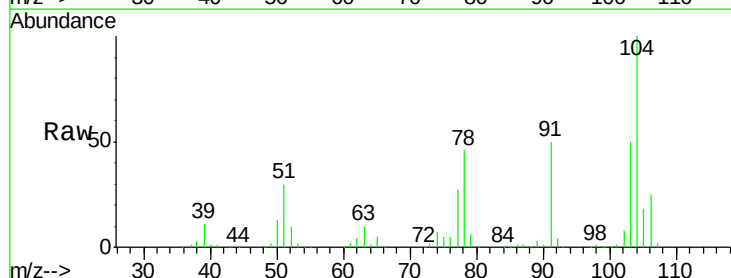
Manual Integrations
APPROVED

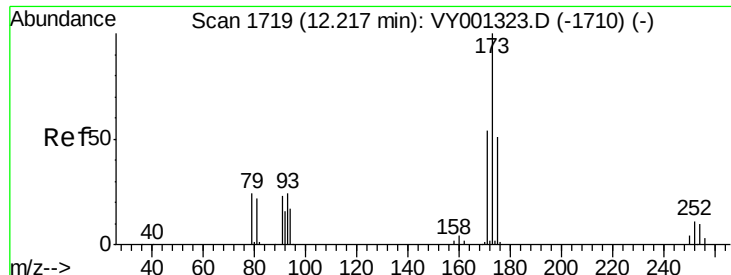
MMDadoda
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#70
Styrene
Concen: 22.704 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.8	59.8
103	53.1	43.2	64.8





#71

Bromoform

Concen: 20.668 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion:173 Resp: 24888

Ion Ratio Lower Upper

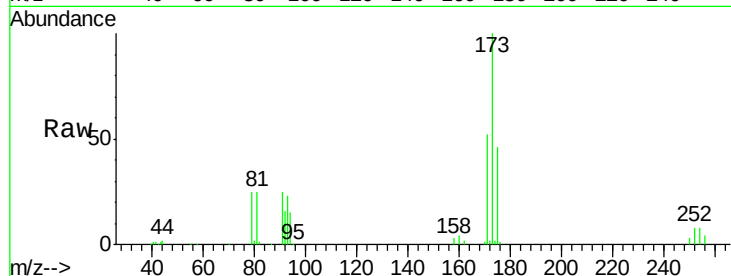
173 100

175 48.6 24.3 72.9

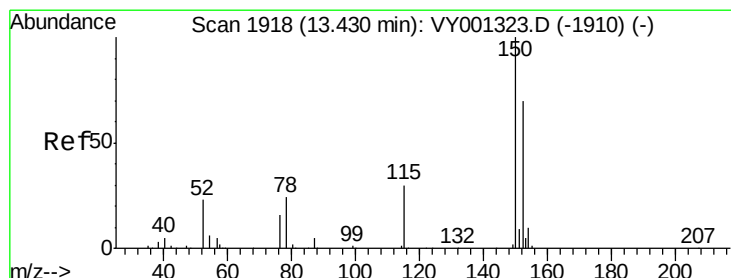
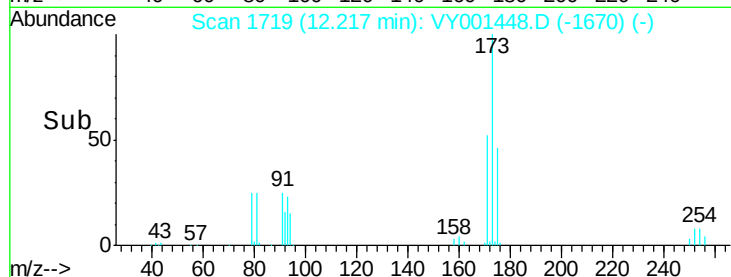
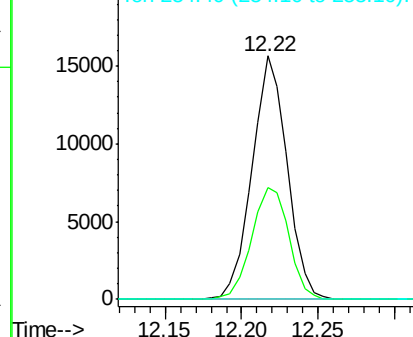
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

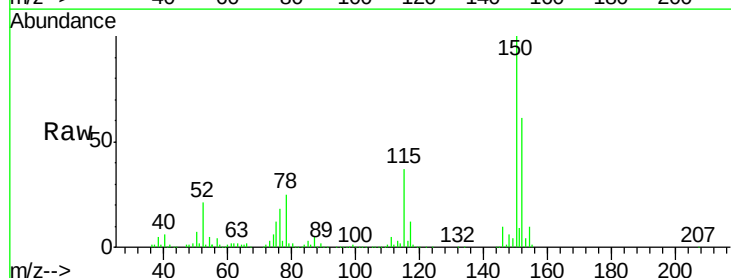
Tgt Ion:152 Resp: 132318

Ion Ratio Lower Upper

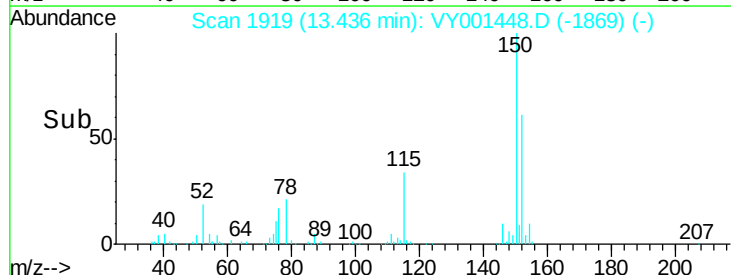
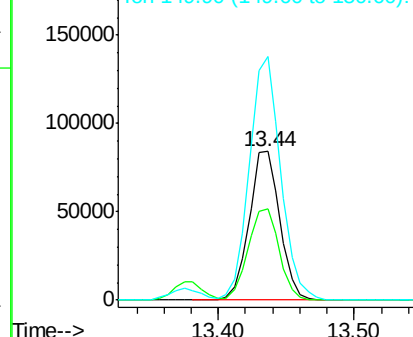
152 100

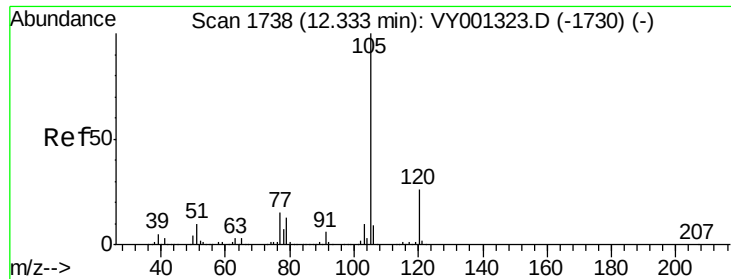
115 62.7 30.9 92.8

150 167.8 0.0 349.2



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: 23.308 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 105 Resp: 243363

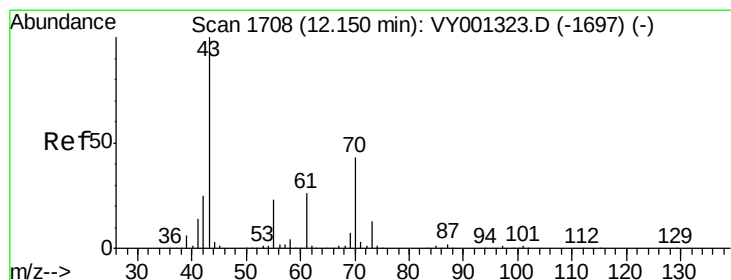
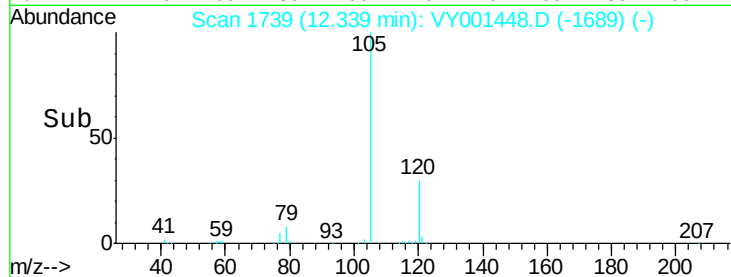
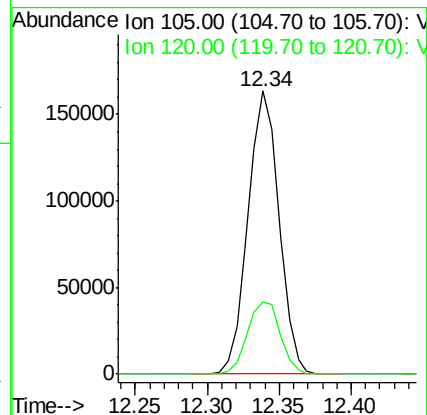
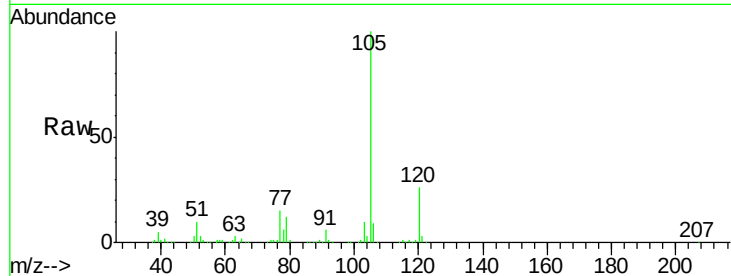
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4

Manual Integrations
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2/3/2020 10:53:15 AM



#74

N-ethyl acetate

Concen: 20.953 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Tgt Ion: 43 Resp: 71610

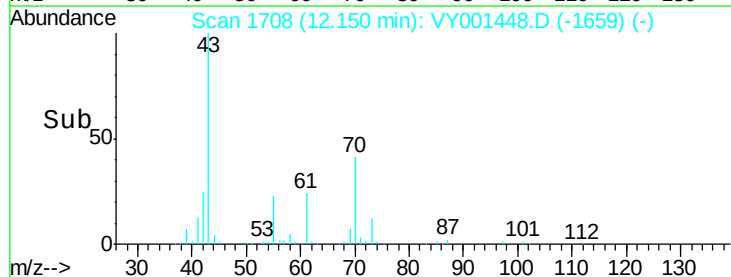
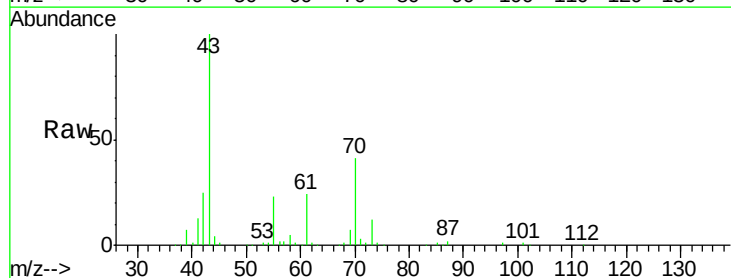
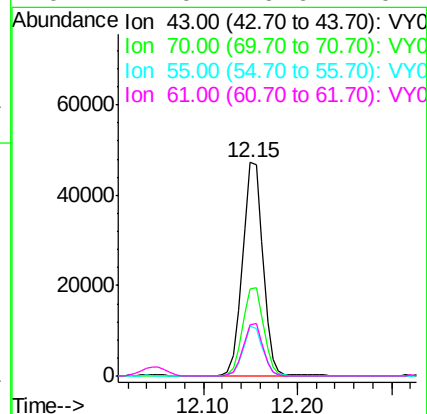
Ion Ratio Lower Upper

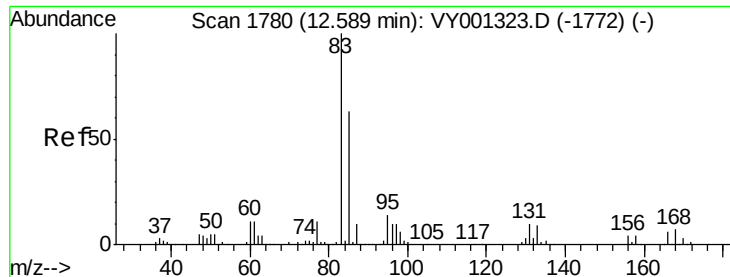
43 100

70 42.3 33.5 50.3

55 22.2 18.2 27.2

61 24.0 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.035 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

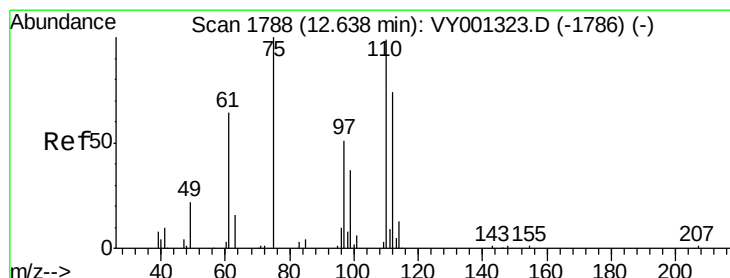
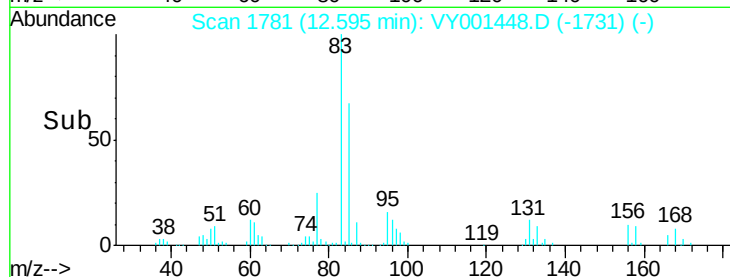
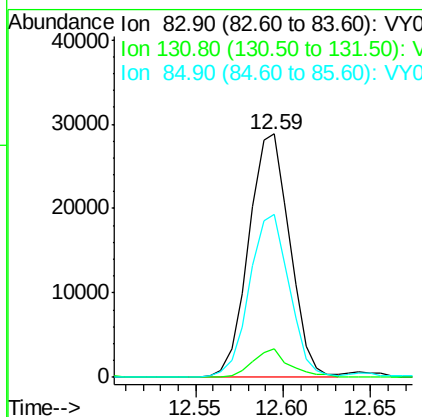
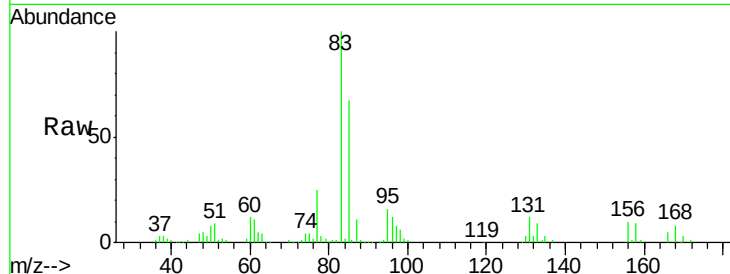
ClientSampleId :

VY0131SBS01

Tot Ion:	83	Resp:	47035
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.6
85	65.2	31.4	94.3

Manual Integrations
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2/3/2020 10:53:15 AM



#76

1,2,3-Trichloropropane

Concen: 19.296 ug/l m

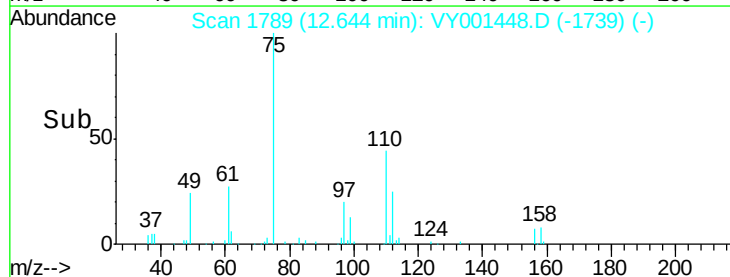
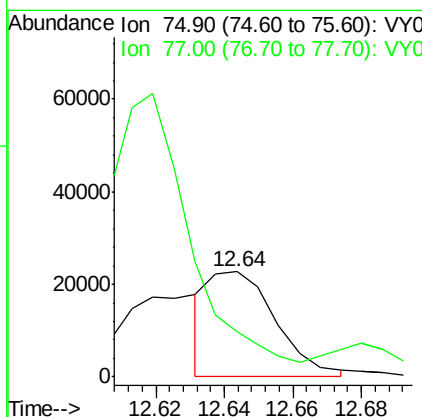
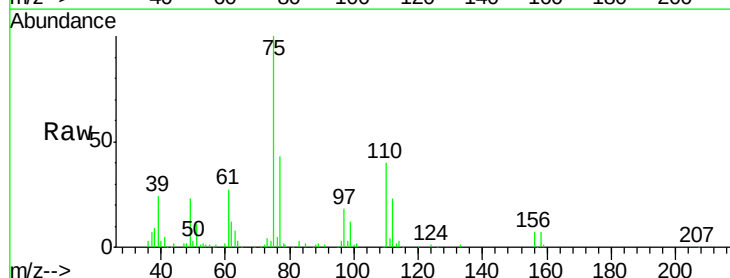
RT: 12.64 min Scan# 1789

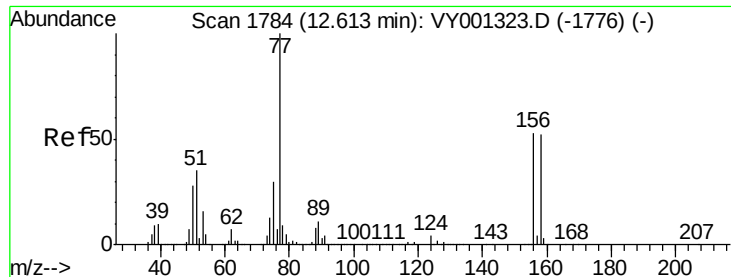
Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Tgt Ion:	75	Resp:	30766
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.338 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion:156 Resp: 51658

Ion Ratio Lower Upper

156 100

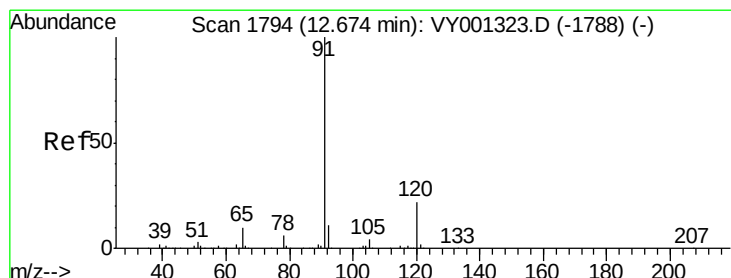
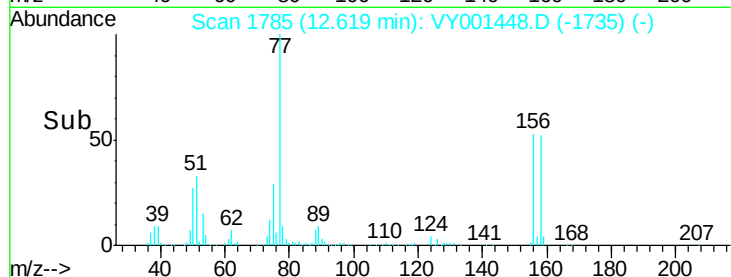
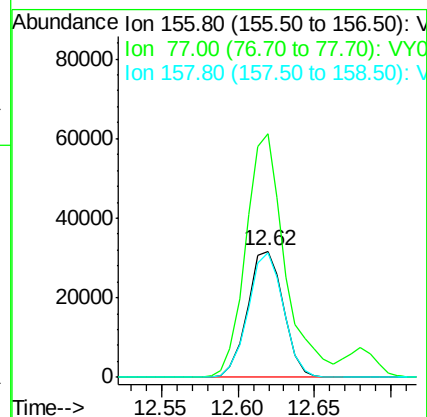
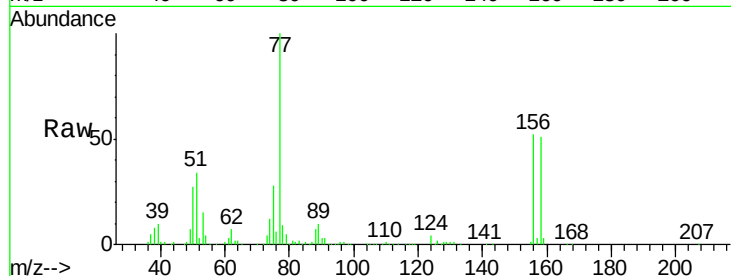
77 210.5 104.7 313.9

158 96.9 48.6 145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 23.814 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001448.D

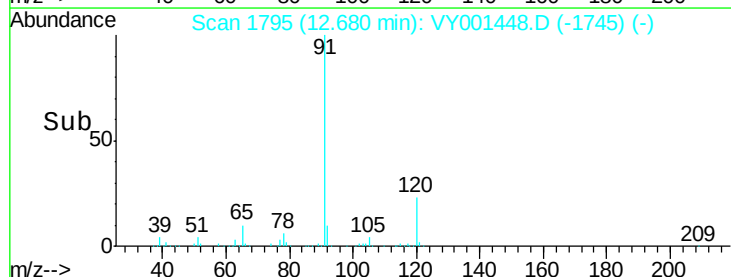
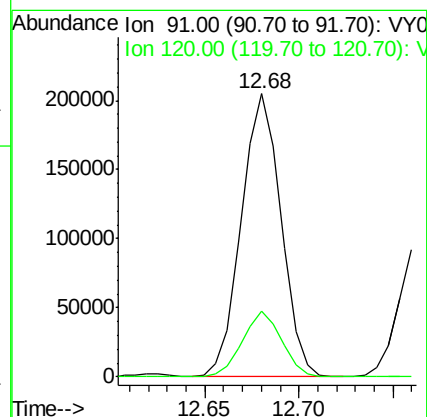
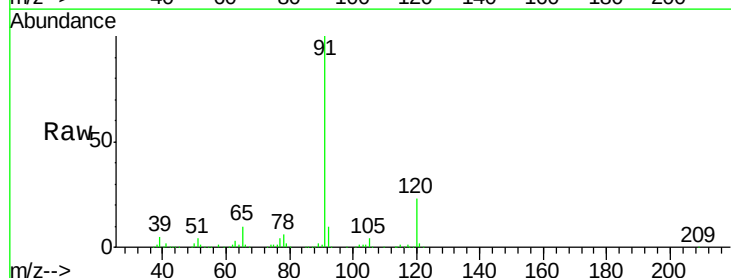
Acq: 31 Jan 2020 12:33

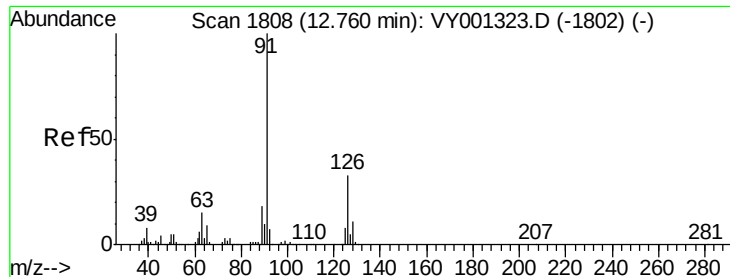
Tgt Ion: 91 Resp: 299273

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.8





#79

2-Chlorotoluene

Concen: 23.074 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion: 91 Resp: 165655

Ion Ratio Lower Upper

91 100

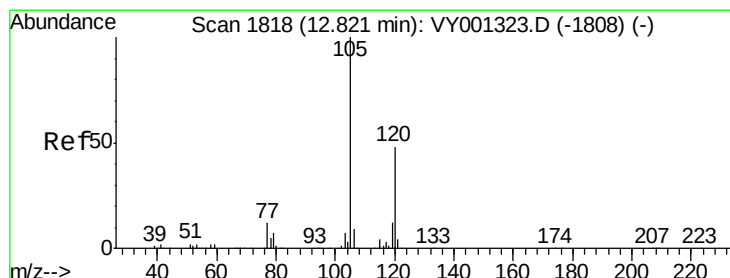
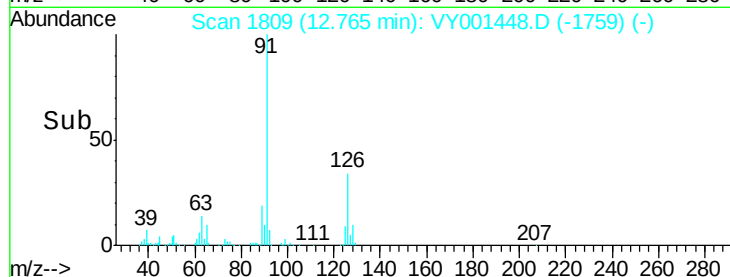
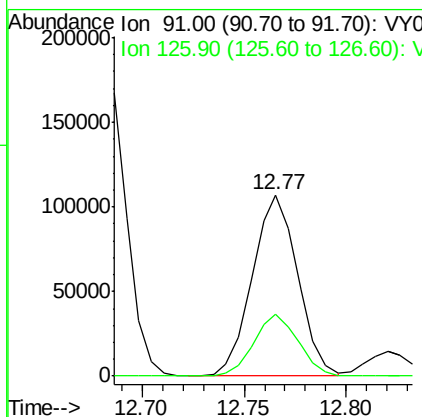
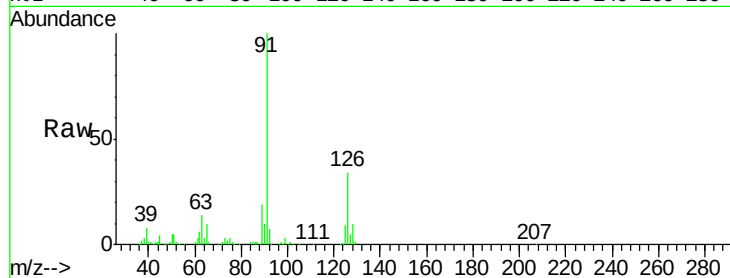
126 33.4 16.6 49.7

Manual Integrations

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2/3/2020 10:53:15 AM



#80

1,3,5-Trimethylbenzene

Concen: 23.787 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001448.D

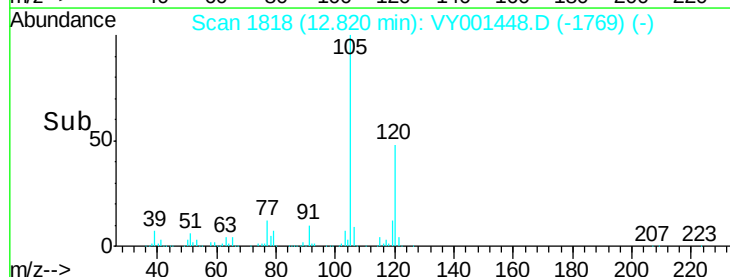
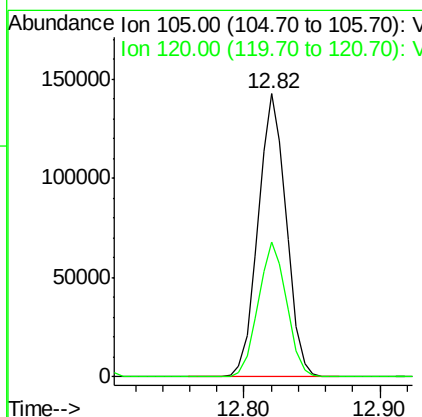
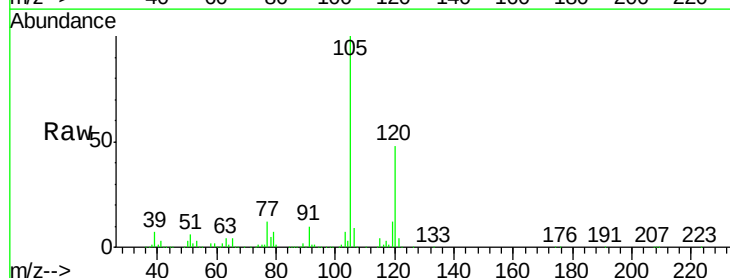
Acq: 31 Jan 2020 12:33

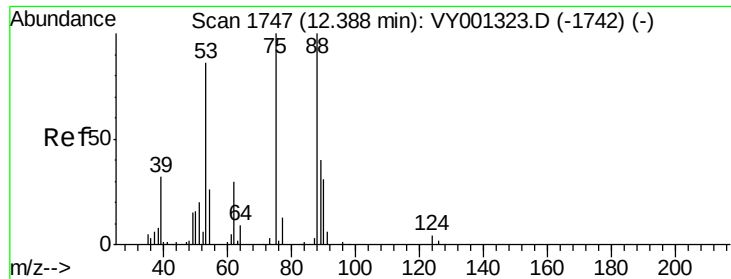
Tgt Ion: 105 Resp: 207309

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.9





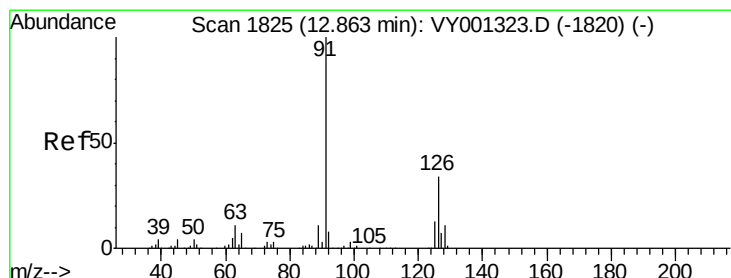
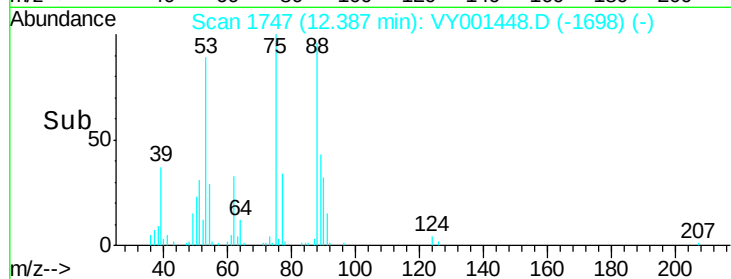
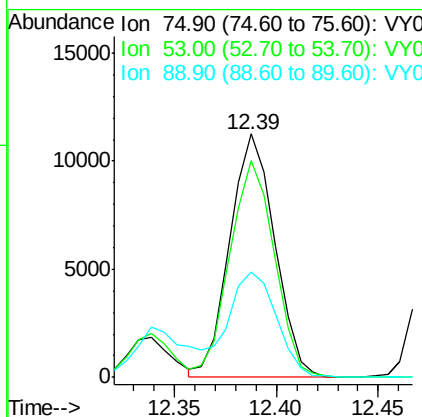
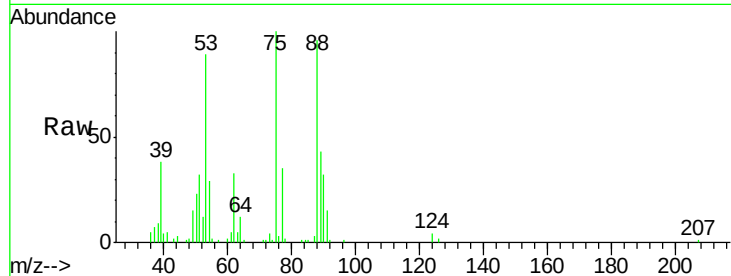
#81
trans-1,4-Dichloro-2-butene
Concen: 20.377 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	69.9	104.9
89	46.5	36.6	54.8

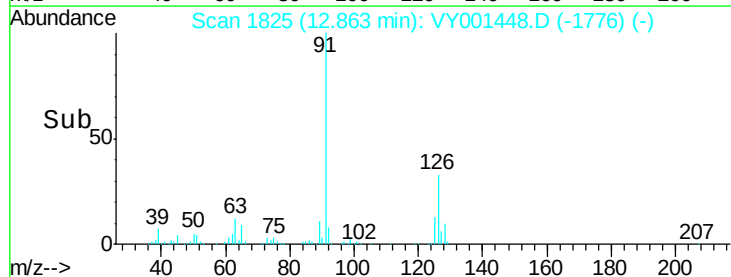
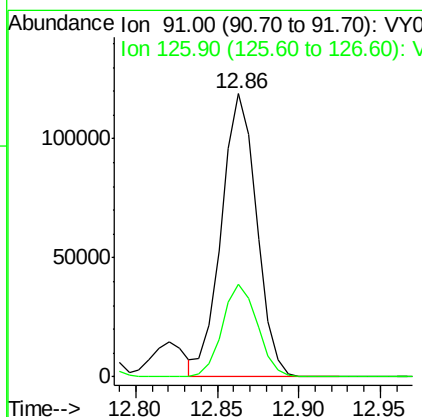
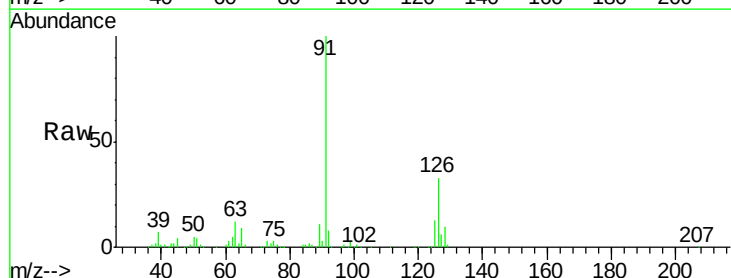
Manual Integrations
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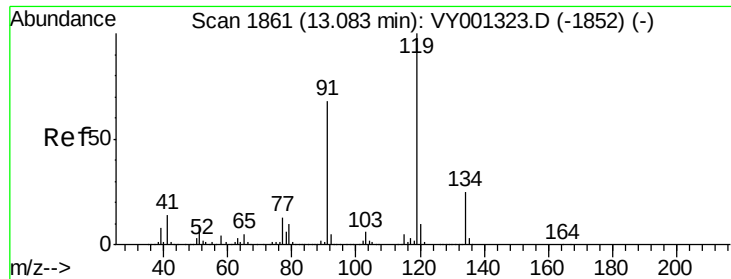
MMDadoda
2/3/2020 10:53:15 AM



#82
4-Chlorotoluene
Concen: 23.261 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4





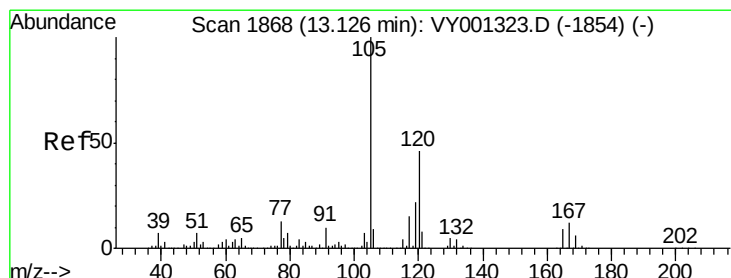
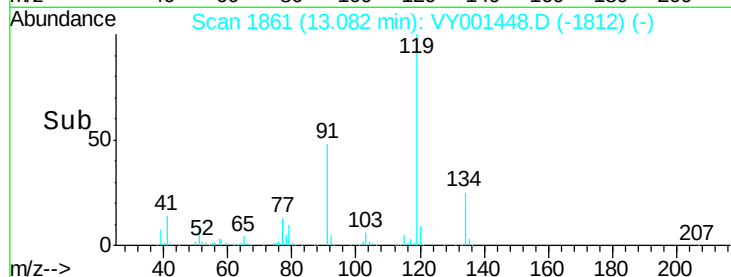
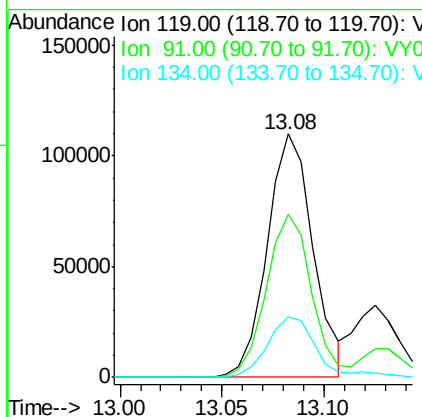
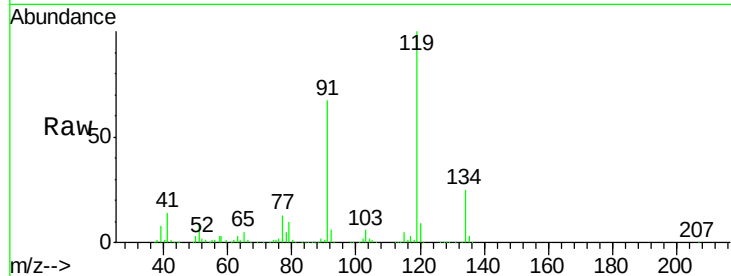
#83
 tert-Butylbenzene
 Concen: 23.384 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171789		
91	66.7	33.0	99.0	
134	27.0	13.3	39.9	

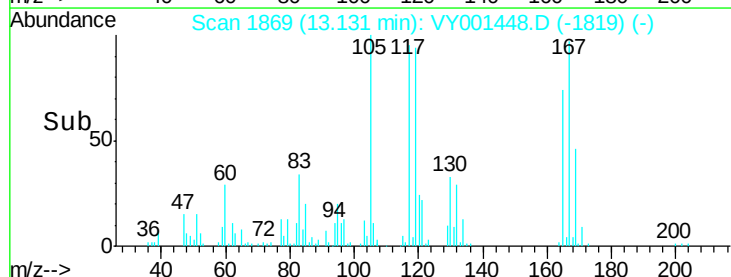
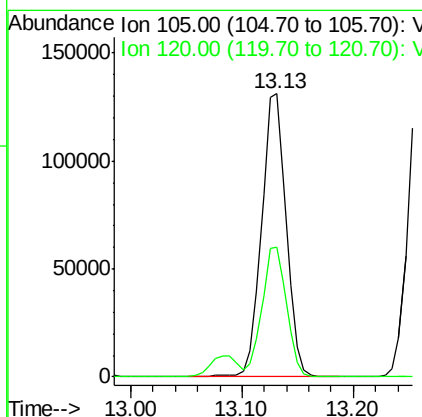
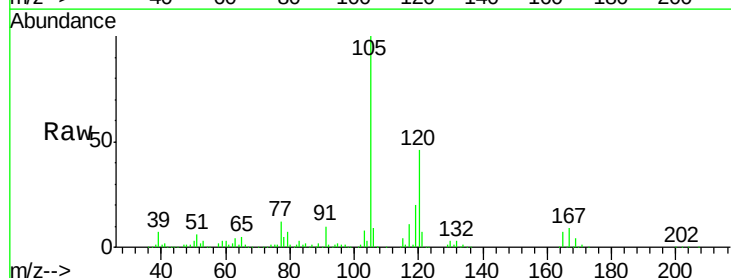
Manual Integrations
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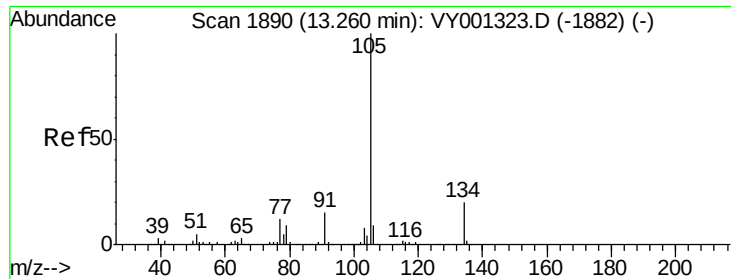
MMDadoda
 2/3/2020 10:53:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.222 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203190		
120	45.7	22.4	67.3	





#85

sec-Butylbenzene

Concen: 23.882 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VY0131SBS01

Tot Ion:105 Resp: 249276

Ion Ratio Lower Upper

105 100

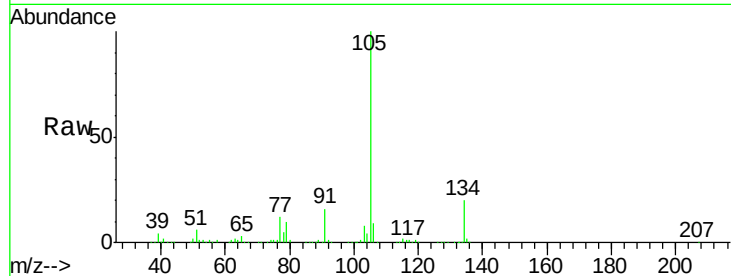
134 19.9 9.8 29.4

Manual Integrations

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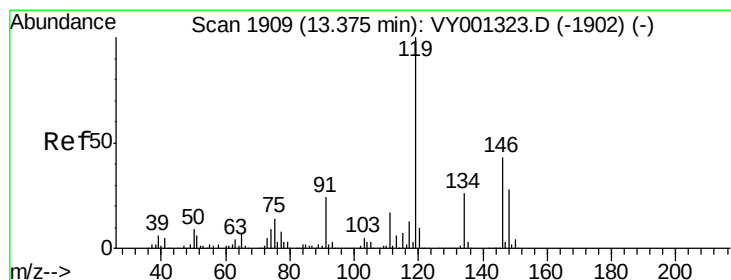
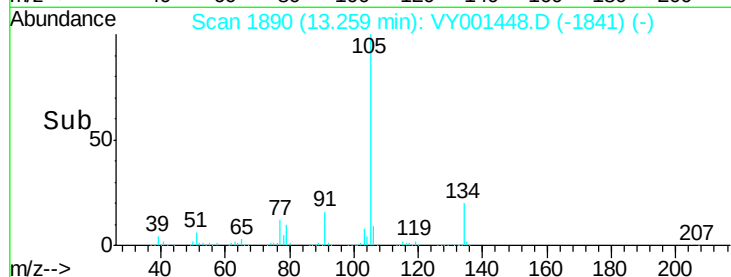
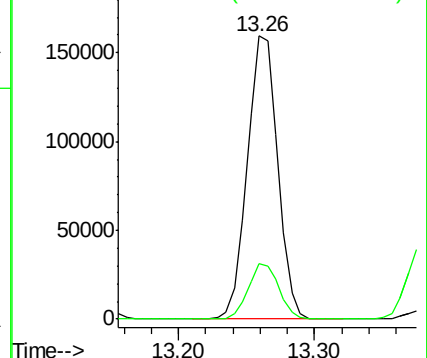
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.730 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001448.D

Acq: 31 Jan 2020 12:33

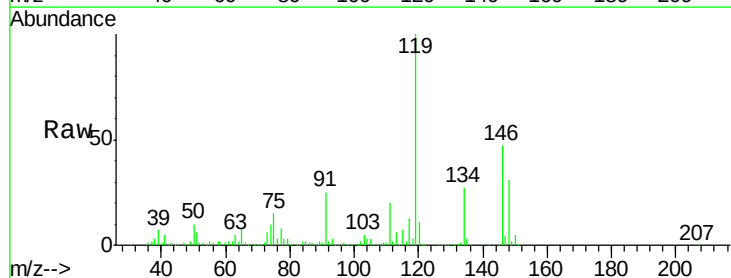
Tgt Ion:119 Resp: 218273

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

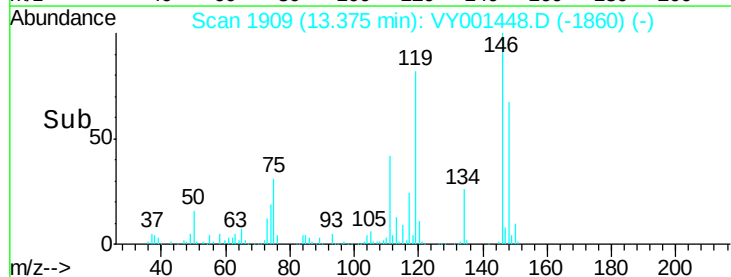
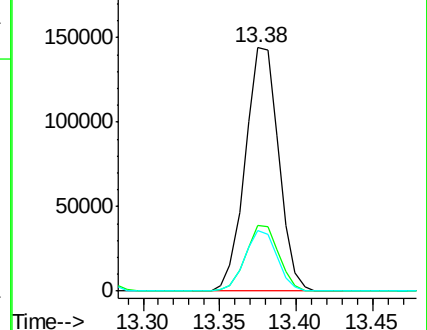
91 24.0 12.2 36.6

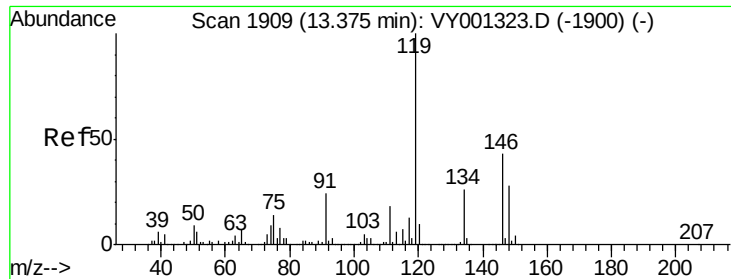


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





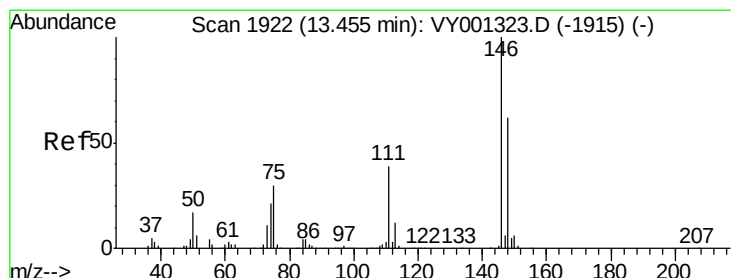
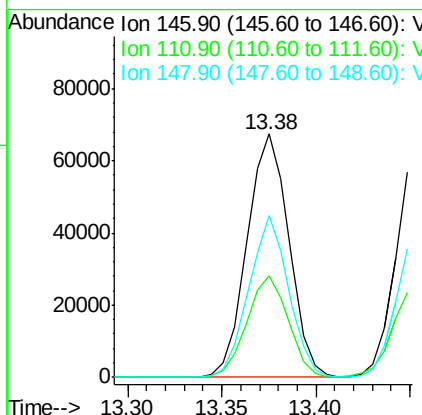
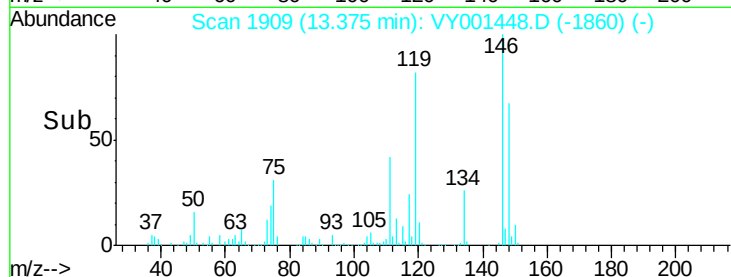
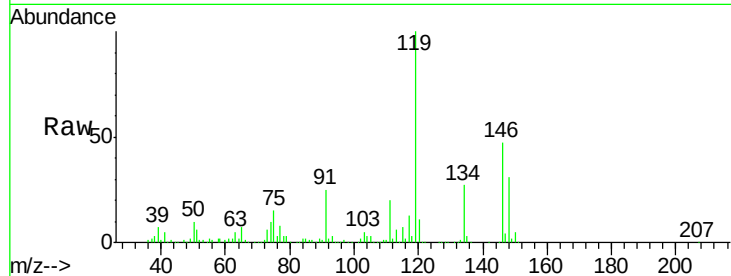
#87
 1,3-Dichlorobenzene
 Concen: 23.301 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	63.2	31.6	95.0

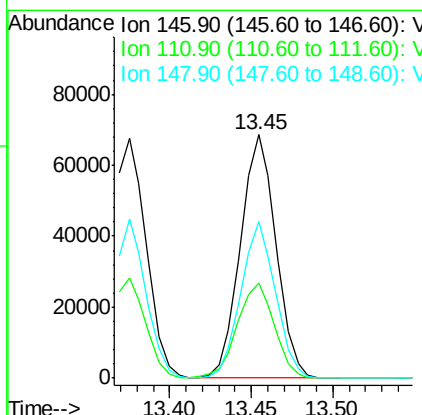
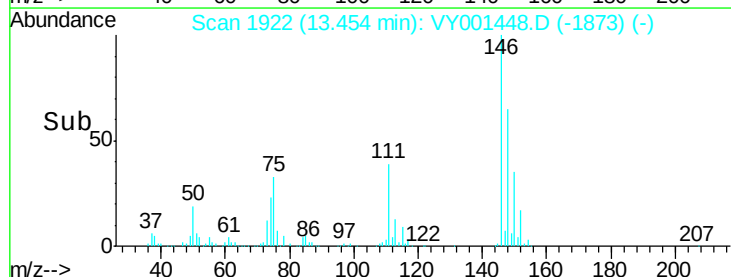
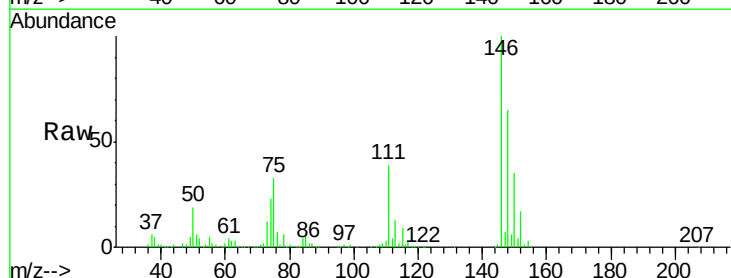
Manual Integrations
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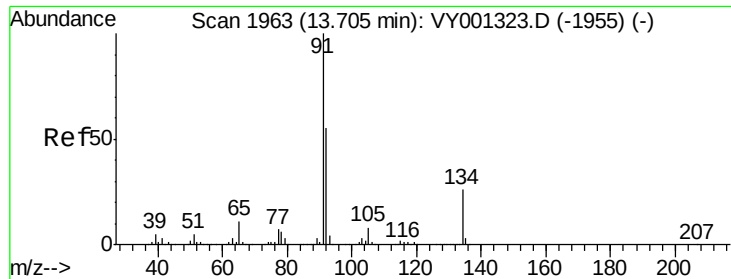
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#88
 1,4-Dichlorobenzene
 Concen: 23.051 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.5
148	62.7	31.6	95.0





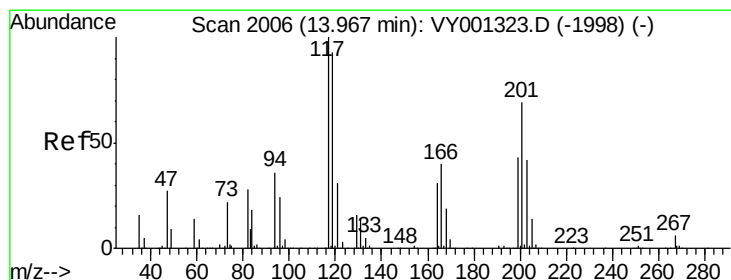
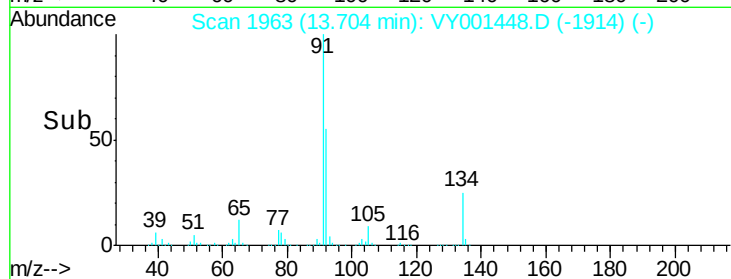
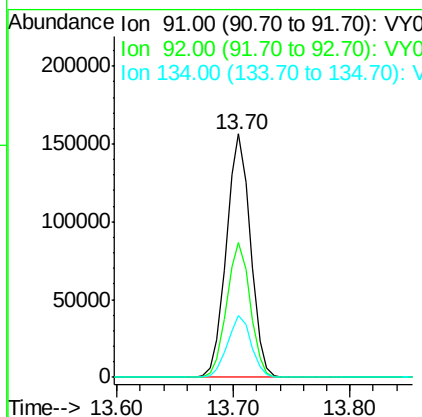
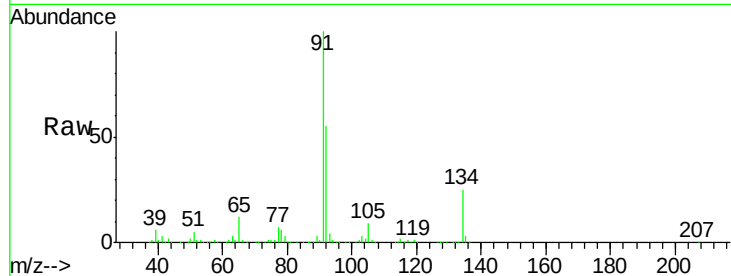
#89
n-Butylbenzene
Concen: 24.237 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.6	82.8
134	25.1	12.9	38.6

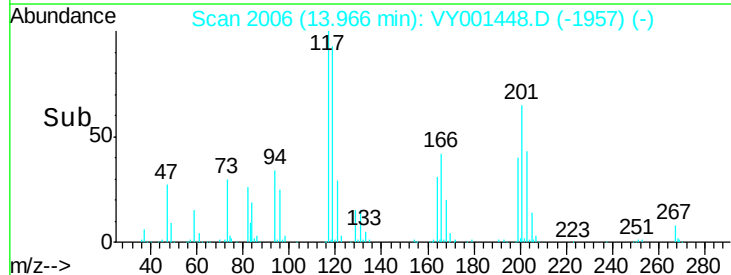
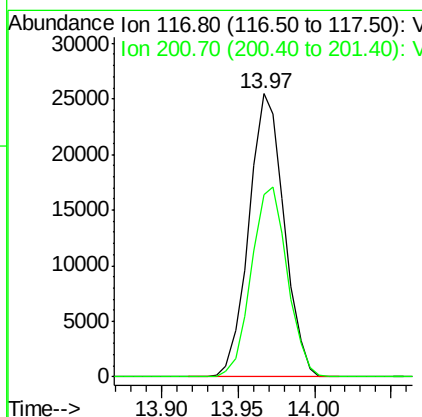
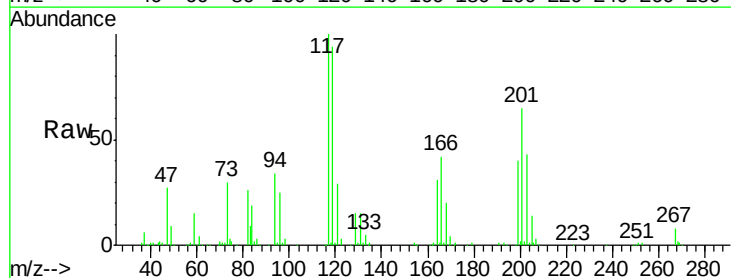
Manual Integrations
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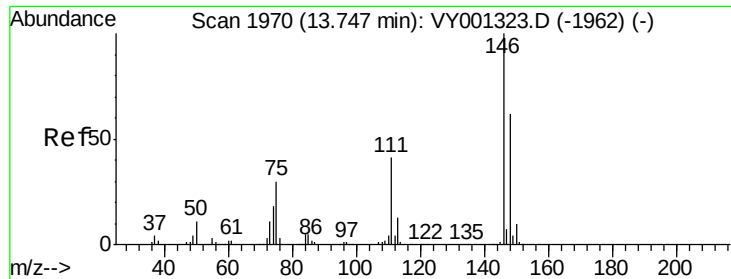
MMDadoda
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#90
Hexachloroethane
Concen: 23.368 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.6	103.8





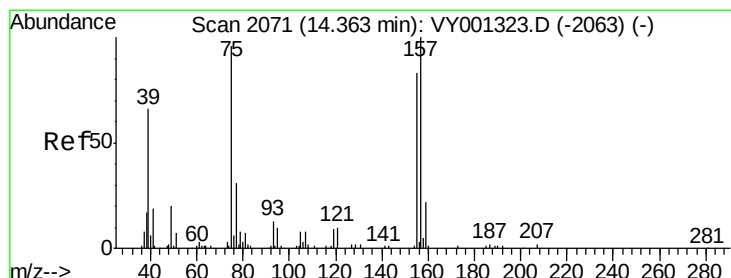
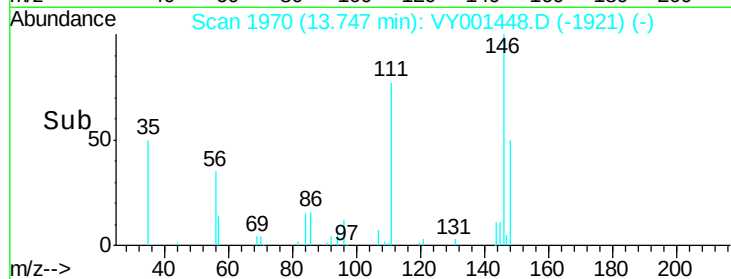
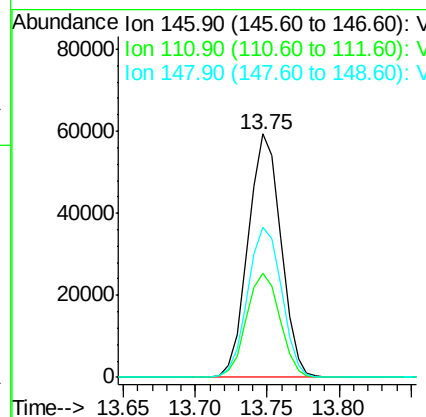
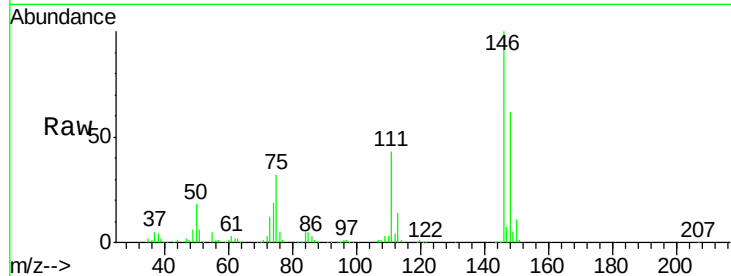
#91
 1,2-Dichlorobenzene
 Concen: 22.747 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.4
148	63.8	31.5	94.5

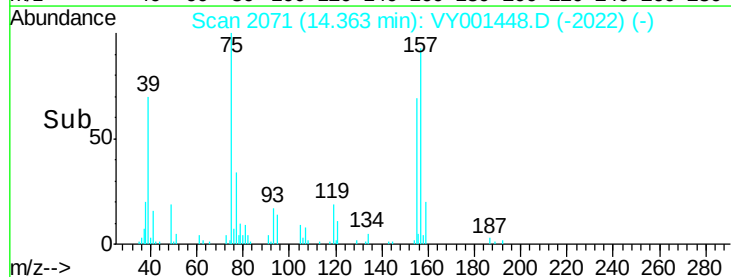
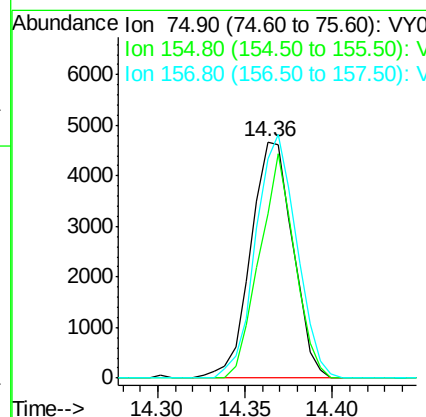
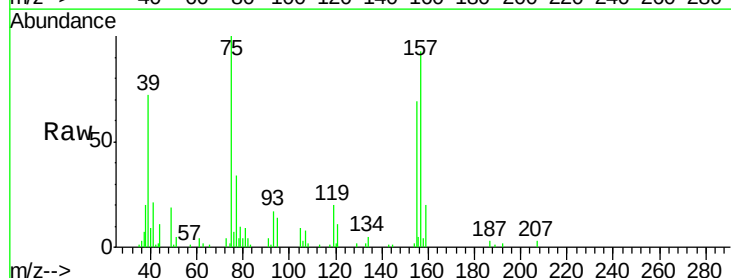
Manual Integrations
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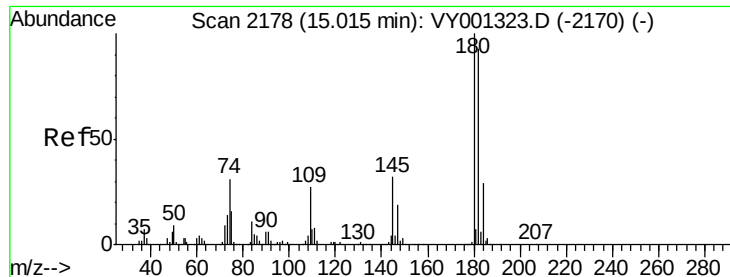
MMDadoda
 2/3/2020 10:53:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.256 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	43.0	129.2
157	100.4	53.3	160.0





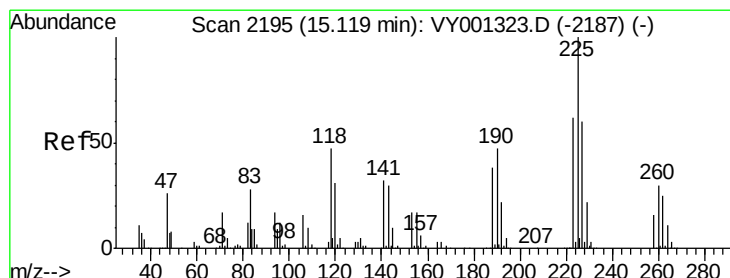
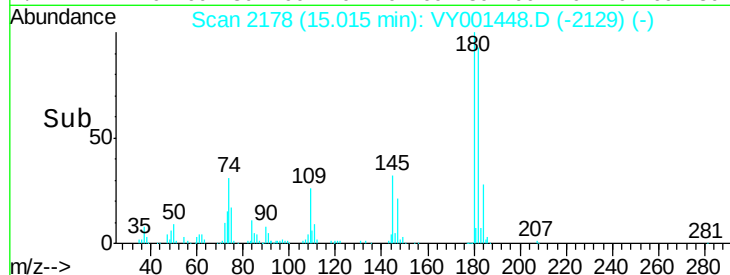
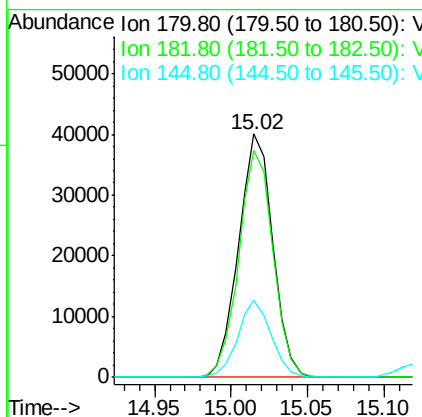
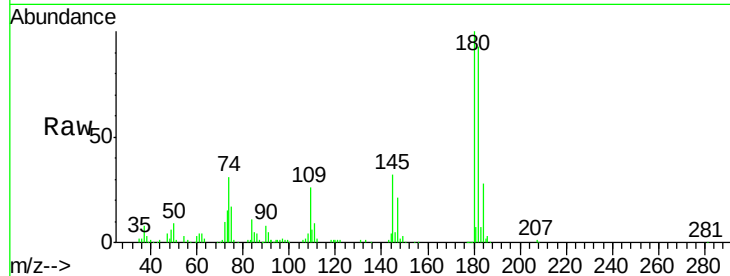
#93
 1,2,4-Trichlorobenzene
 Concen: 22.546 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.6	142.8
145	30.9	16.3	48.9

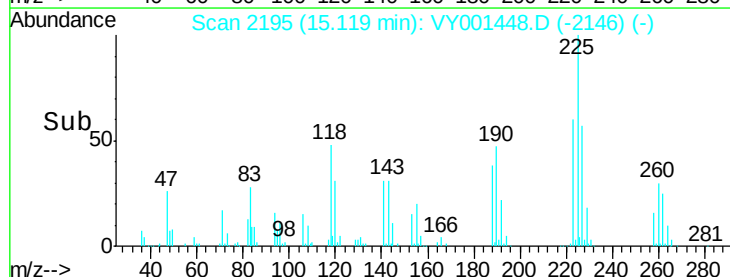
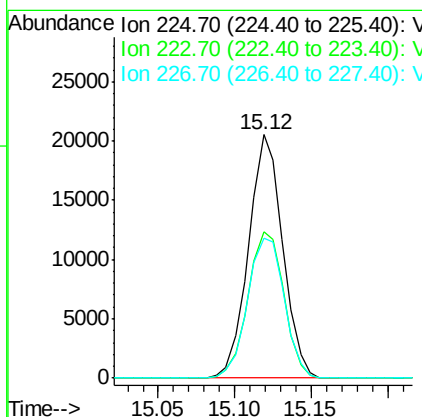
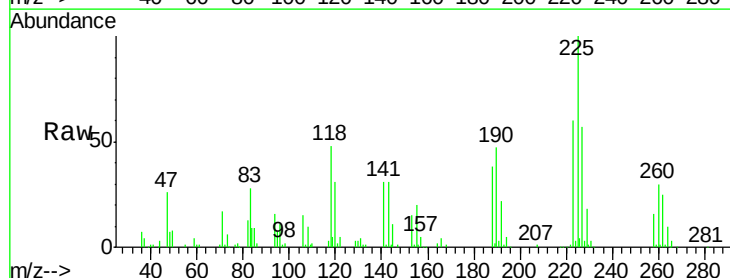
Manual Integrations
 APPROVED

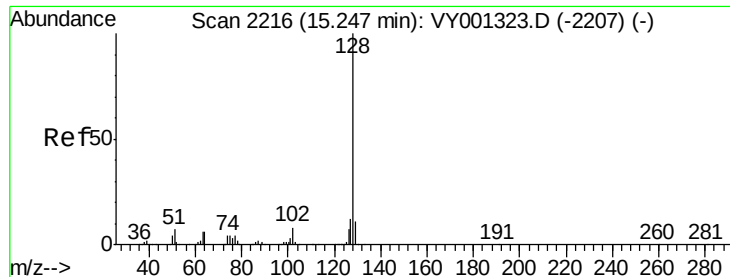
MMDadoda
 2/3/2020 10:53:15 AM



#94
 Hexachlorobutadiene
 Concen: 23.684 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001448.D
 Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.2	93.6
227	62.1	31.0	93.0





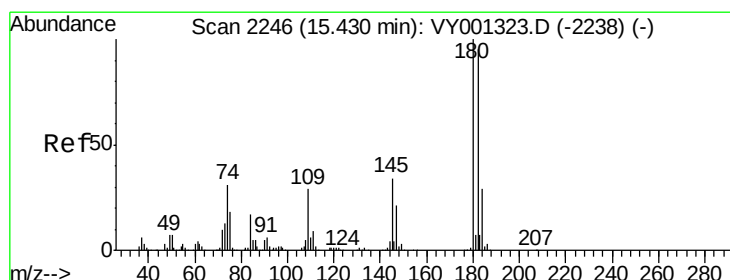
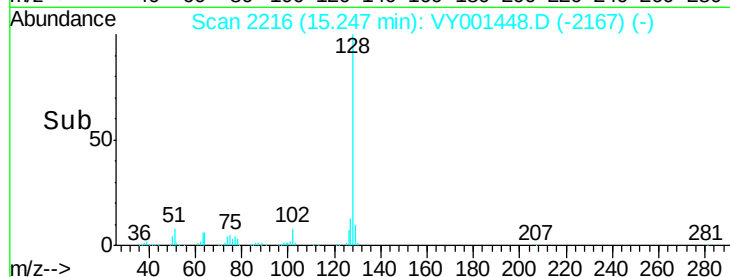
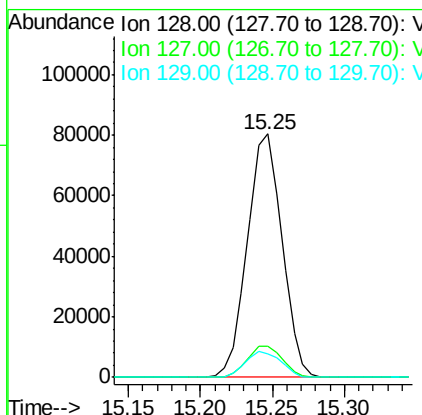
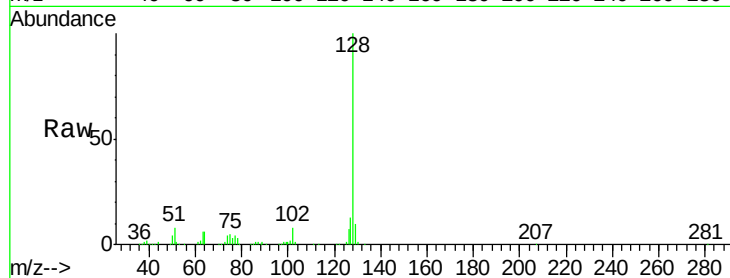
#95
Naphthalene
Concen: 21.287 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VY0131SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:53:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.204 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001448.D
Acq: 31 Jan 2020 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	33.3	16.8	50.3

