

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001692.D
 Acq On : 19 Feb 2020 11:40
 Operator : SY/MD
 Sample : VY0219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2020 5:56:04 PM

Quant Time: Feb 19 13:57:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	175847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	305996	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	277097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	134326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85462	45.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	7.74	113	77577	44.26	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.52%	
50) Toluene-d8	10.19	98	322549	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.49	95	112912	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30164	17.597	ug/l	96
3) Chloromethane	2.13	50	42697	18.519	ug/l	99
4) Vinyl Chloride	2.27	62	42450	18.255	ug/l	98
5) Bromomethane	2.66	94	29704	20.438	ug/l	95
6) Chloroethane	2.81	64	27872	19.450	ug/l	95
7) Trichlorofluoromethane	3.15	101	56419	18.956	ug/l	95
8) Diethyl Ether	3.55	74	22453	19.137	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36164	19.332	ug/l	98
10) Methyl Iodide	4.11	142	41748	18.235	ug/l	100
11) Tert butyl alcohol	4.99	59	25812	102.893	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	36287	19.019	ug/l	97
13) Acrolein	3.76	56	18560	97.157	ug/l	99
14) Allyl chloride	4.51	41	64897	19.112	ug/l	98
15) Acrylonitrile	5.21	53	59343	98.675	ug/l	100
16) Acetone	3.98	43	53874	82.316	ug/l	95
17) Carbon Disulfide	4.22	76	117034	18.373	ug/l	98
18) Methyl Acetate	4.51	43	28804	20.209	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	100625	18.942	ug/l	99
20) Methylene Chloride	4.75	84	43833	18.855	ug/l	93
21) trans-1,2-Dichloroethene	5.25	96	41673	19.144	ug/l	95
22) Diisopropyl ether	6.15	45	134698	19.316	ug/l	97
23) Vinyl Acetate	6.09	43	440175	96.770	ug/l	98
24) 1,1-Dichloroethane	6.05	63	72415	19.429	ug/l	99
25) 2-Butanone	7.01	43	80537	90.585	ug/l	97
26) 2,2-Dichloropropane	7.01	77	61244	18.887	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	46713	19.441	ug/l	97
28) Bromochloromethane	7.36	49	29635	19.088	ug/l	97
29) Tetrahydrofuran	7.37	42	52026	96.814	ug/l	99
30) Chloroform	7.53	83	69050	18.961	ug/l	99
31) Cyclohexane	7.80	56	75761	19.065	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	58560	19.132	ug/l	98
36) 1,1-Dichloropropene	7.94	75	57535	19.685	ug/l	99
37) Ethyl Acetate	7.10	43	34917	20.015	ug/l	99
38) Carbon Tetrachloride	7.92	117	49839	19.413	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75925	19.580	ug/l	100
40) Benzene	8.18	78	170985	19.891	ug/l	98
41) Methacrylonitrile	7.34	41	19646m	22.429	ug/l	
42) 1,2-Dichloroethane	8.25	62	46759	19.966	ug/l	100
43) Isopropyl Acetate	8.28	43	67321	20.339	ug/l	98
44) Trichloroethene	8.95	130	41636	19.403	ug/l	95
45) 1,2-Dichloropropane	9.23	63	42590	19.783	ug/l	97
46) Dibromomethane	9.32	93	22293	19.798	ug/l	98
47) Bromodichloromethane	9.50	83	53435	19.662	ug/l	99
48) Methyl methacrylate	9.30	41	28949	19.338	ug/l	98
49) 1,4-Dioxane	9.32	88	6013	378.083	ug/l #	95
51) 4-Methyl-2-Pentanone	10.08	43	170650	100.345	ug/l	99
52) Toluene	10.25	92	104718	19.529	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	58586	19.500	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	67203	19.435	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	33127	19.952	ug/l	98
56) Ethyl methacrylate	10.52	69	49342	19.809	ug/l	95
57) 1,3-Dichloropropane	10.80	76	58381	19.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	129046	128.465	ug/l	99
59) 2-Hexanone	10.84	43	122300	95.846	ug/l	98
60) Dibromochloromethane	10.99	129	35010	19.125	ug/l	100
61) 1,2-Dibromoethane	11.10	107	30785	19.609	ug/l	98
64) Tetrachloroethene	10.72	164	33586	19.308	ug/l	96
65) Chlorobenzene	11.52	112	107579	19.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	37205	19.936	ug/l	98
67) Ethyl Benzene	11.60	91	202679	19.742	ug/l	99
68) m/p-Xylenes	11.71	106	153072	39.915	ug/l	97
69) o-Xylene	12.03	106	72178	19.797	ug/l	95
70) Styrene	12.05	104	124004	19.570	ug/l	99
71) Bromoform	12.21	173	20434	19.160	ug/l #	99
73) Isopropylbenzene	12.33	105	191689	18.732	ug/l	99
74) N-amyl acetate	12.15	43	62099	19.015	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	41937	19.193	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28586m	18.552	ug/l	
77) Bromobenzene	12.61	156	41889	18.883	ug/l	95
78) n-propylbenzene	12.67	91	237464	19.053	ug/l	100
79) 2-Chlorotoluene	12.76	91	131034	18.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	160837	18.987	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14521	17.878	ug/l	93
82) 4-Chlorotoluene	12.86	91	137330	18.627	ug/l	97
83) tert-Butylbenzene	13.08	119	134815	19.029	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	162646	19.259	ug/l	100
85) sec-Butylbenzene	13.26	105	198153	19.017	ug/l	99
86) p-Isopropyltoluene	13.38	119	175278	19.363	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	85193	19.802	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	83261	19.145	ug/l	99
89) n-Butylbenzene	13.70	91	176651	19.099	ug/l	100
90) Hexachloroethane	13.97	117	31945	18.731	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	74616	18.793	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6441	17.862	ug/l	98

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ClientSampleId :
VY0219SBSD01

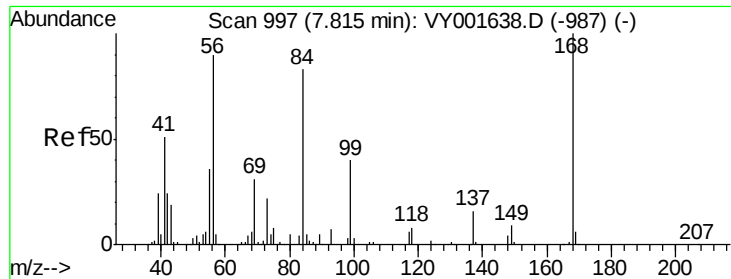
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	51588	19.607	ug/l	99
94) Hexachlorobutadiene	15.12	225	25403	19.414	ug/l	99
95) Naphthalene	15.24	128	114982	18.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	44481	19.216	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion:168 Resp: 175847

Ion Ratio Lower Upper

168 100

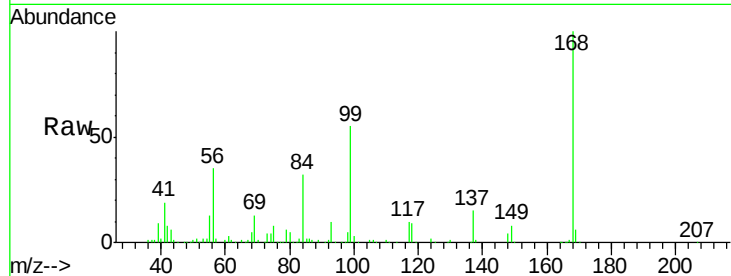
99 55.1 47.5 71.3

Manual Integrations

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2/20/2020 5:56:04 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

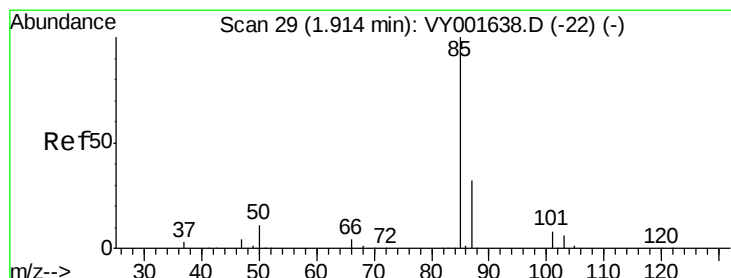
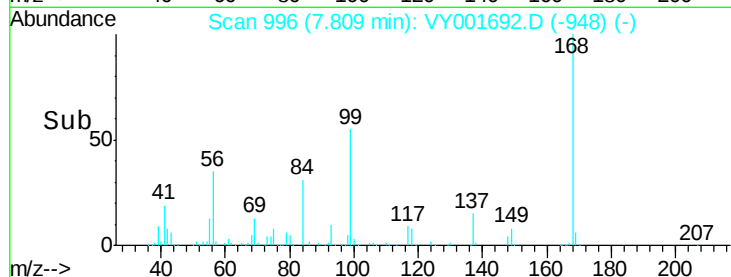
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.597 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001692.D

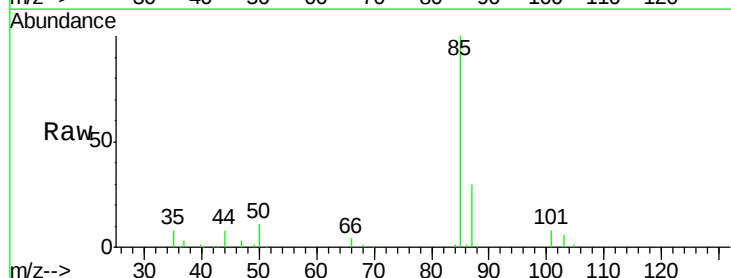
Acq: 19 Feb 2020 11:40

Tgt Ion: 85 Resp: 30164

Ion Ratio Lower Upper

85 100

87 30.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

25000

20000

15000

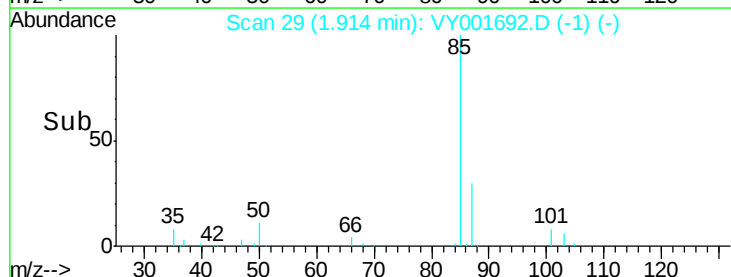
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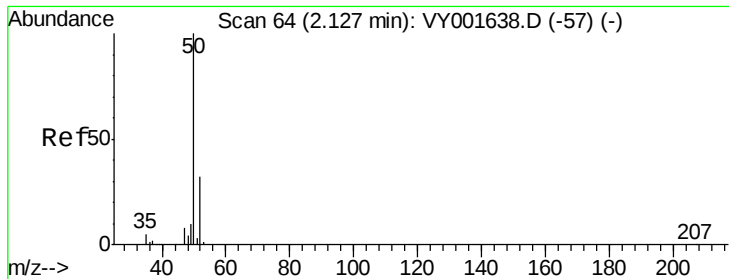
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.519 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tot Ion: 50 Resp: 42697

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

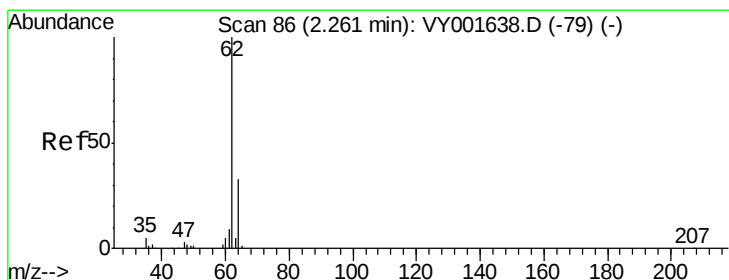
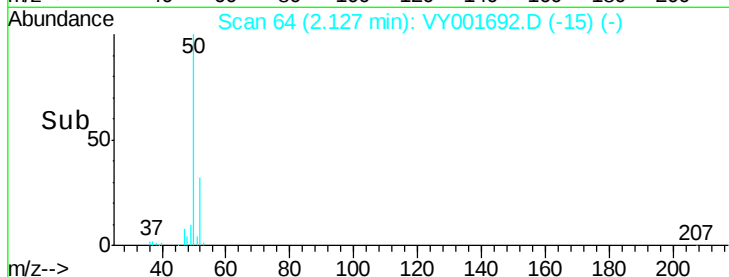
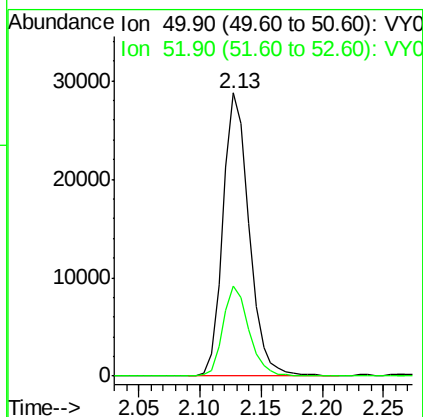
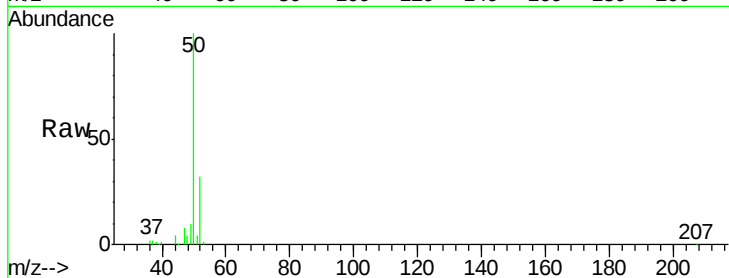
VY0219SBS01

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.255 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001692.D

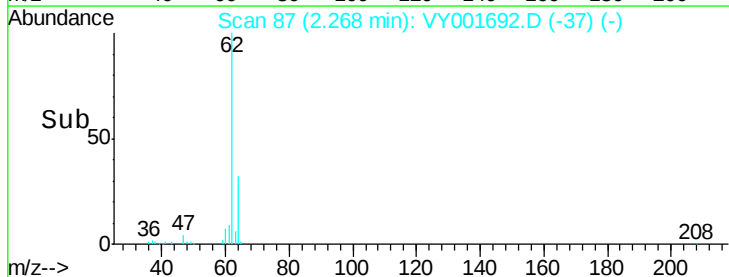
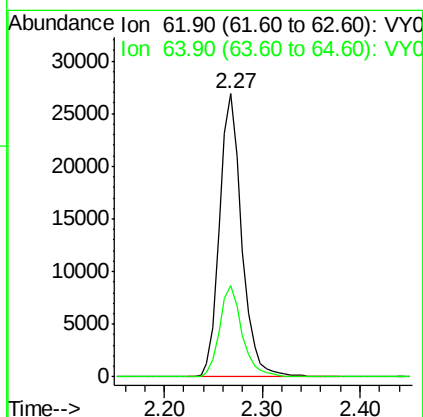
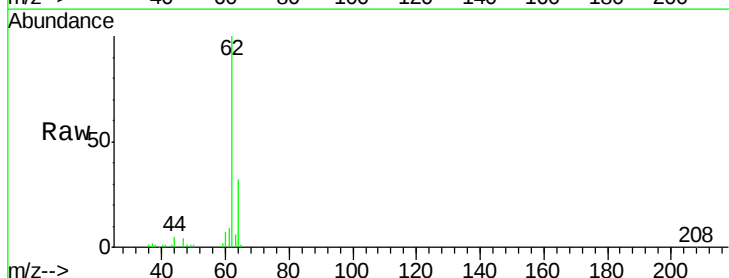
Acq: 19 Feb 2020 11:40

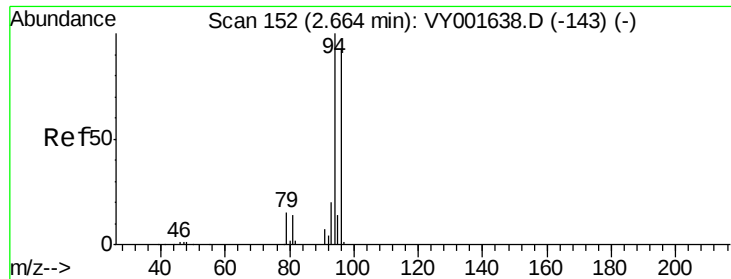
Tgt Ion: 62 Resp: 42450

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3





#5

Bromomethane

Concen: 20.438 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 94 Resp: 29704

Ion Ratio Lower Upper

94 100

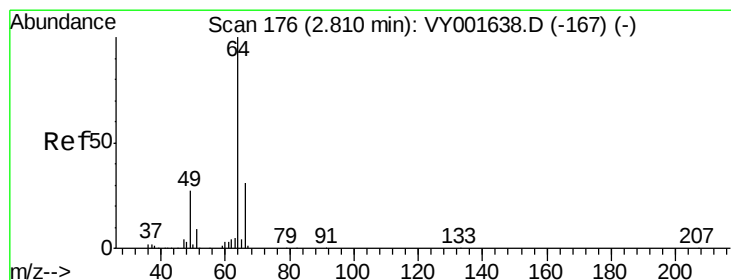
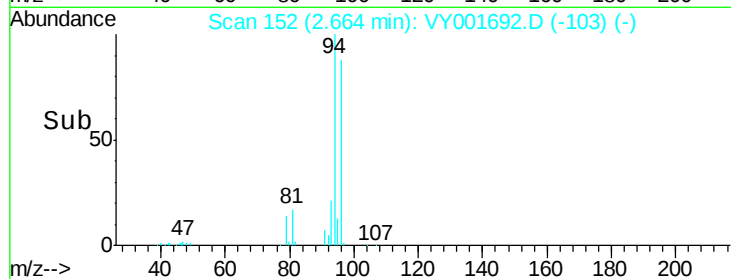
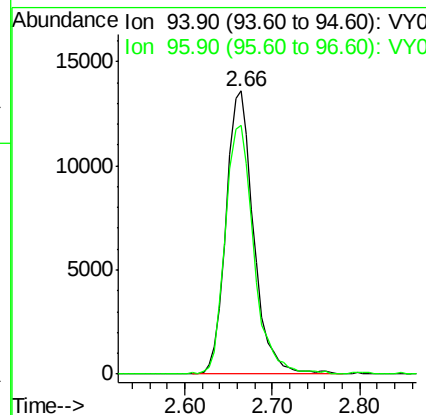
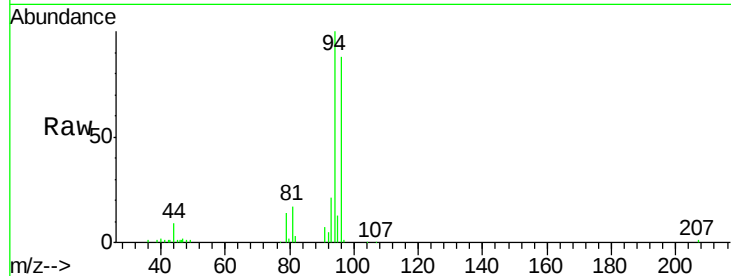
96 87.8 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 19.450 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001692.D

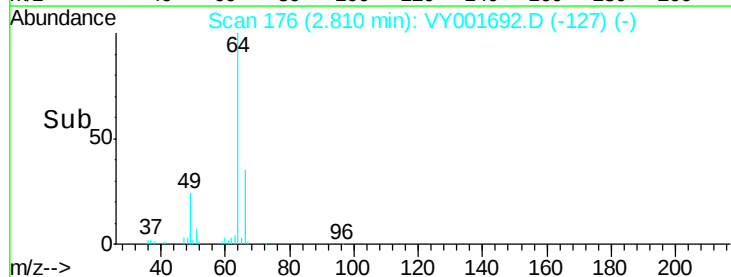
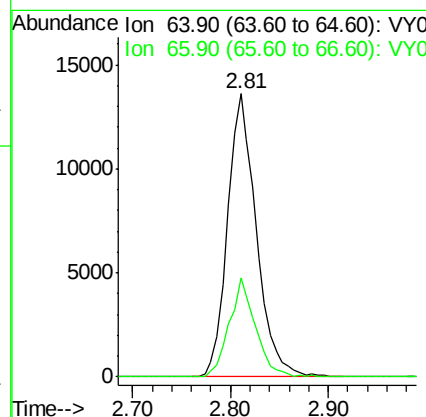
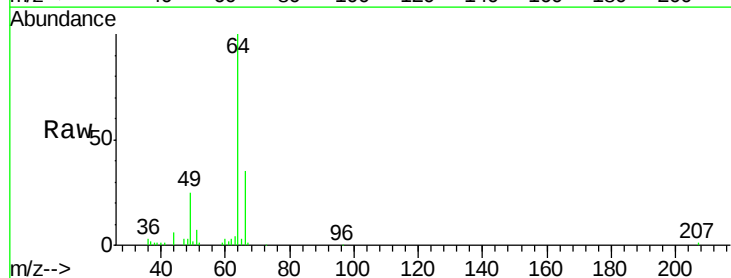
Acq: 19 Feb 2020 11:40

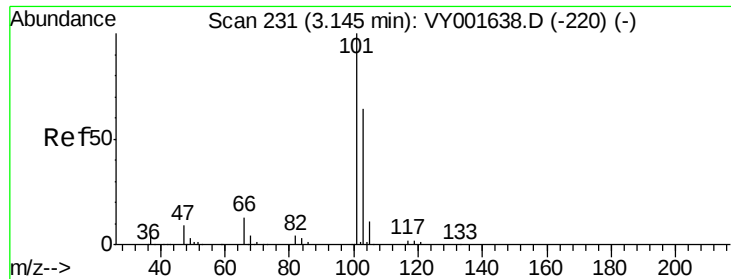
Tgt Ion: 64 Resp: 27872

Ion Ratio Lower Upper

64 100

66 34.9 25.5 38.3





#7

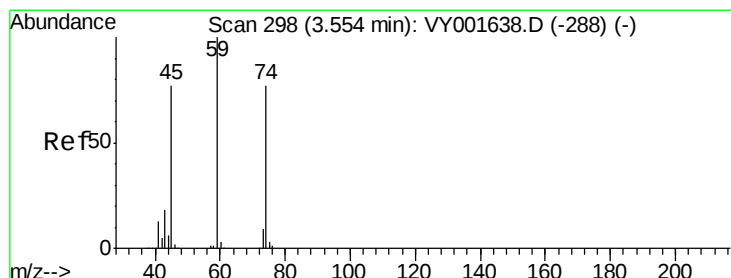
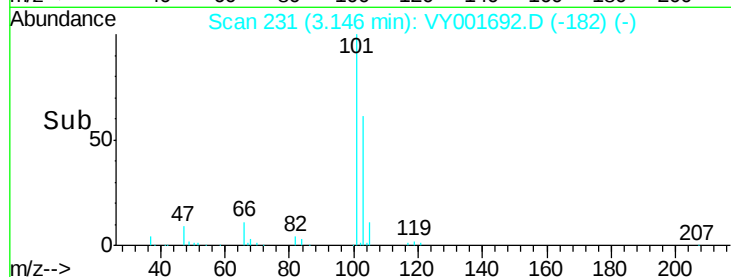
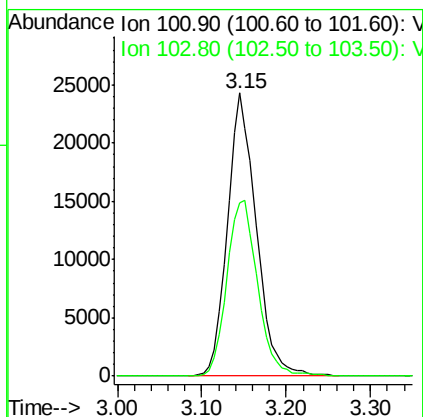
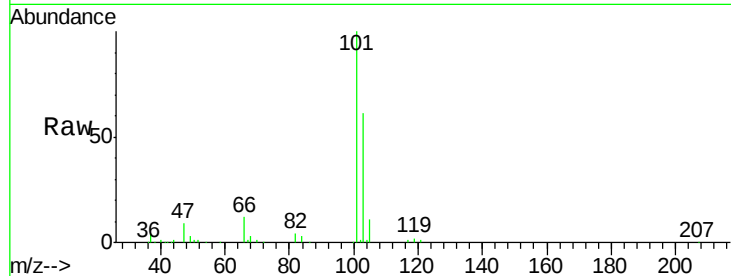
Trichlorofluoromethane
Concen: 18.956 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
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ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	52.2	78.2

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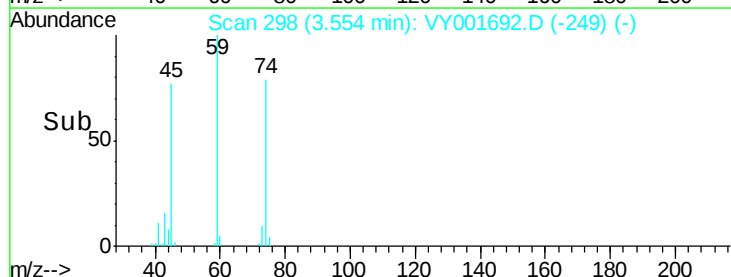
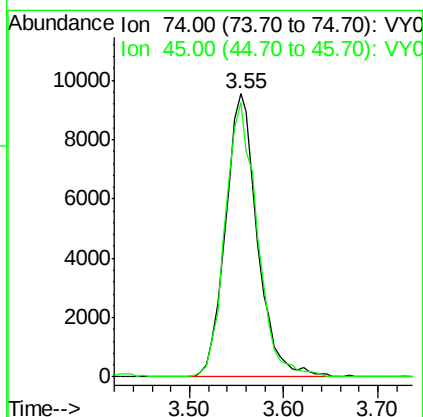
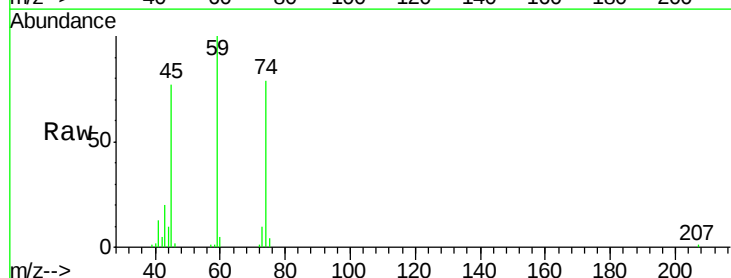
MMDadoda
2/20/2020 5:56:04 PM

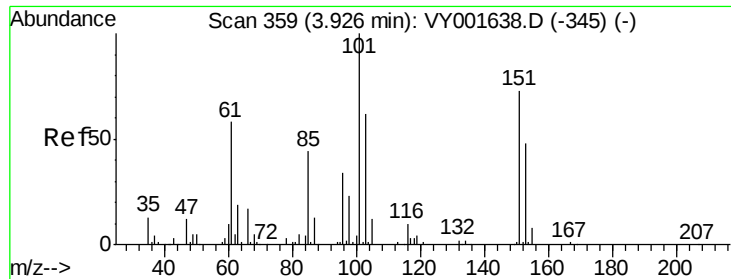


#8

Diethyl Ether
Concen: 19.137 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.332 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

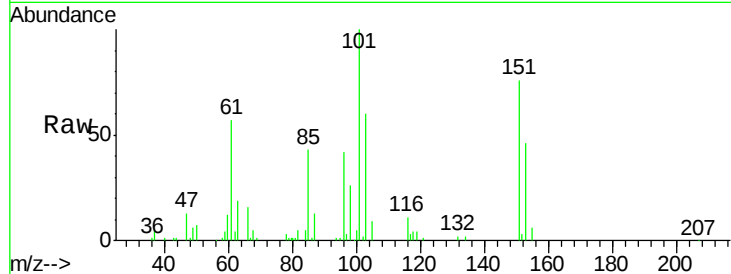
ClientSampleId :

VY0219SBS01

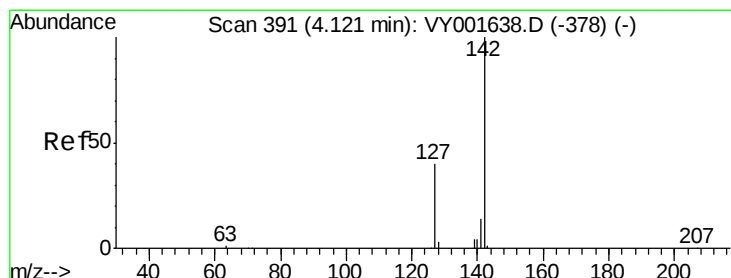
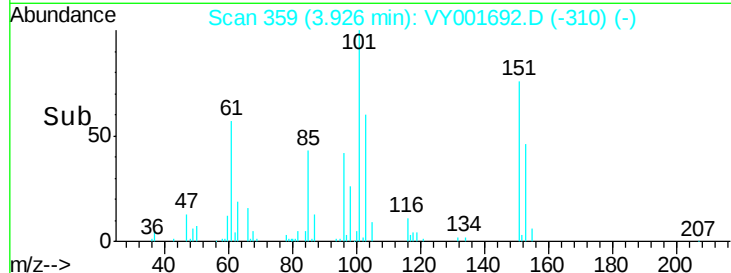
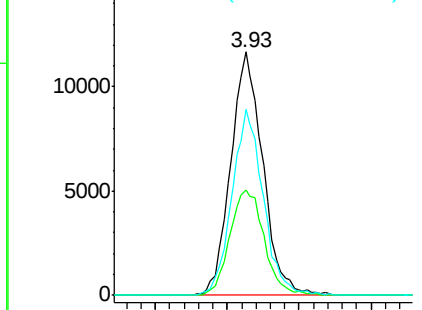
Tot Ion:	101	Resp:	36164
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.1	52.7
151	74.3	58.4	87.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.235 ug/l

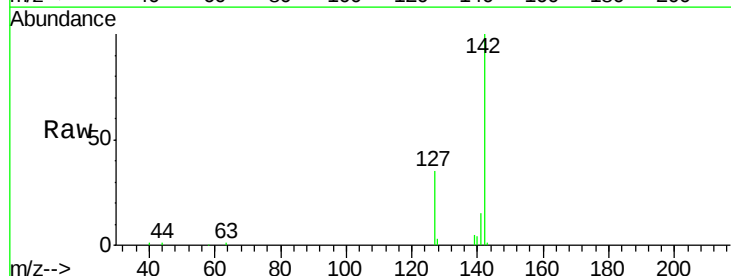
RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

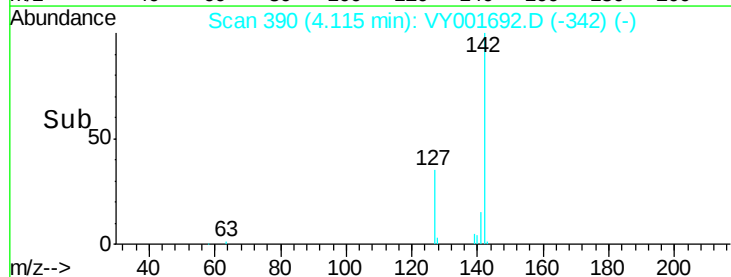
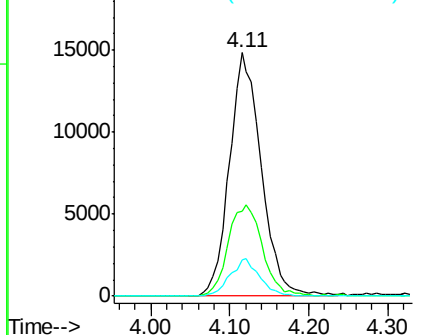
Lab File: VY001692.D

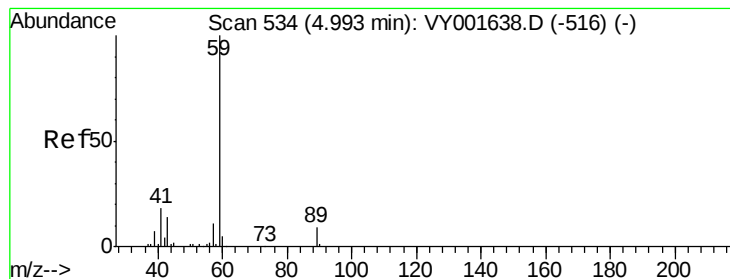
Acq: 19 Feb 2020 11:40

Tgt Ion:	142	Resp:	41748
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.1	48.1
141	14.2	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

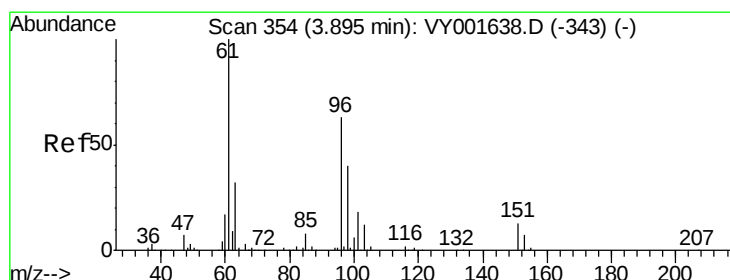
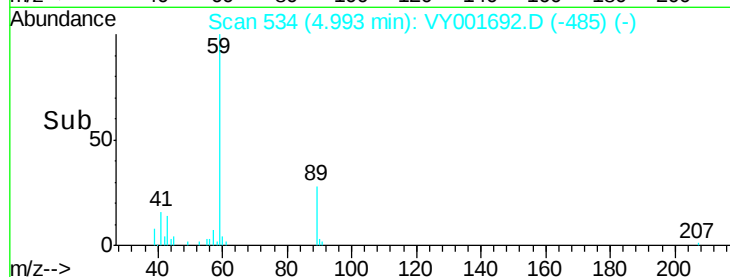
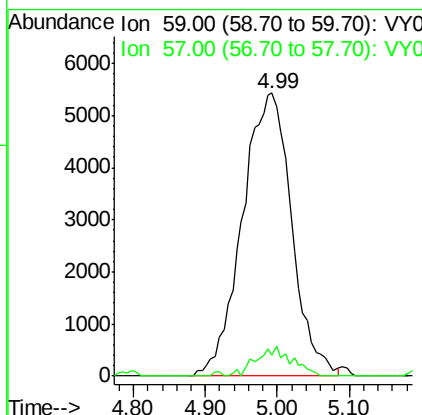
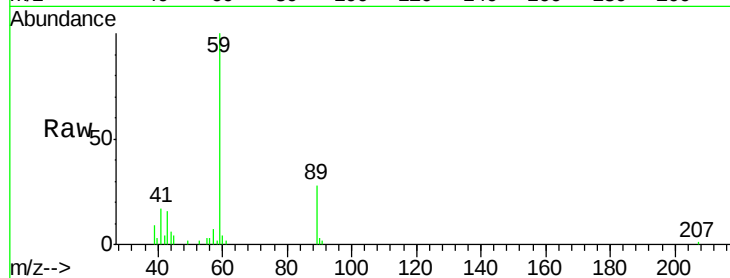
Tert butyl alcohol
Concen: 102.893 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.7	7.4	11.2#

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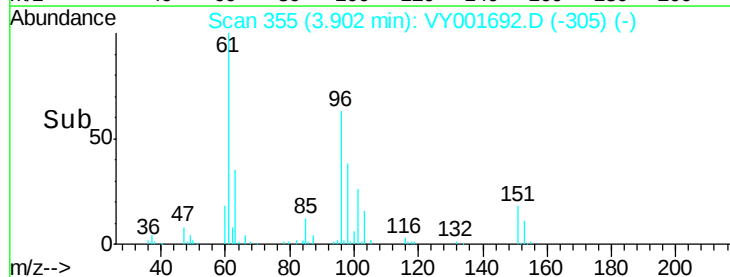
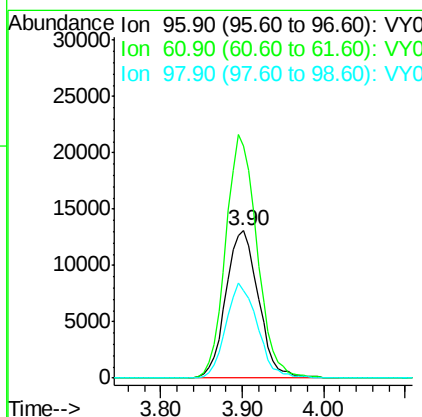
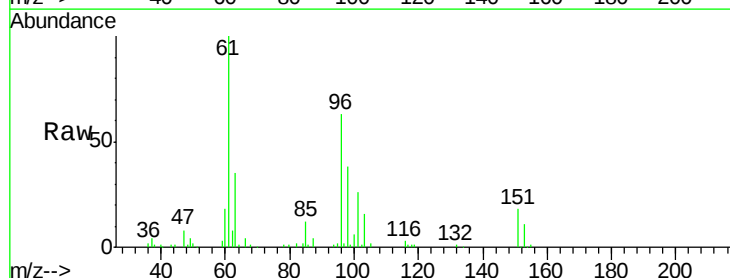
MMDadoda
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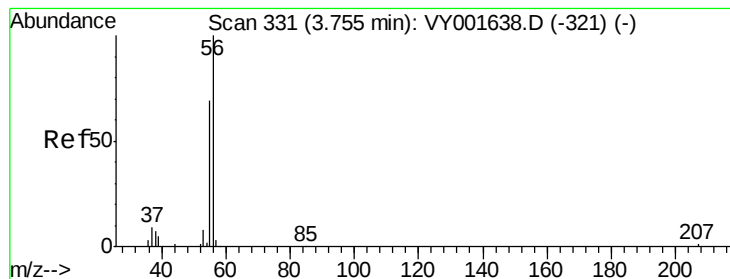


#12

1,1-Dichloroethene
Concen: 19.019 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	128.7	193.1
98	59.7	50.7	76.1





#13

Acrolein

Concen: 97.157 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 56 Resp: 18560

Ion Ratio Lower Upper

56 100

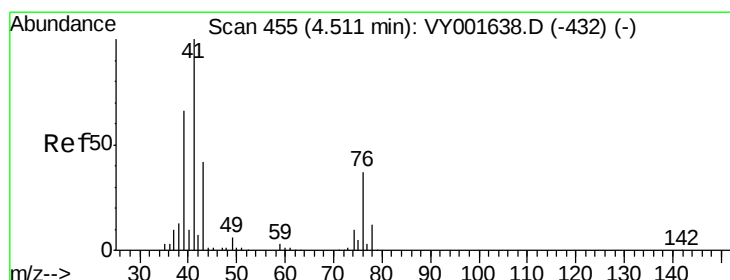
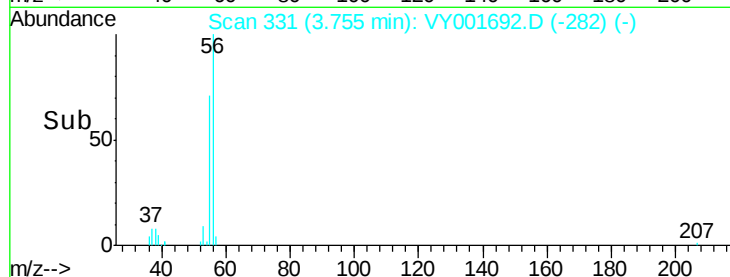
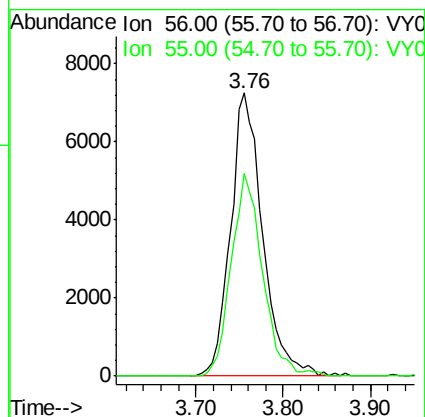
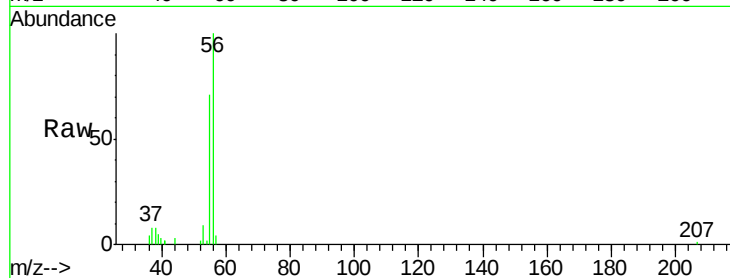
55 68.9 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.112 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

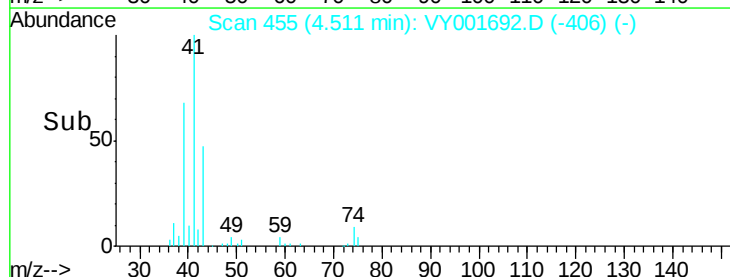
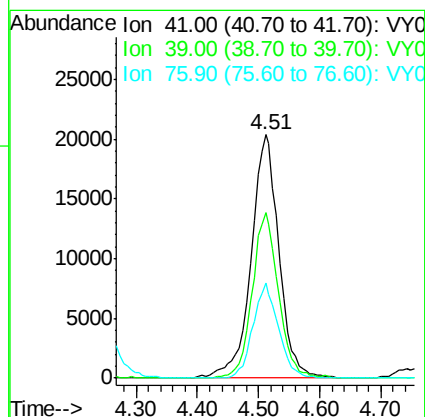
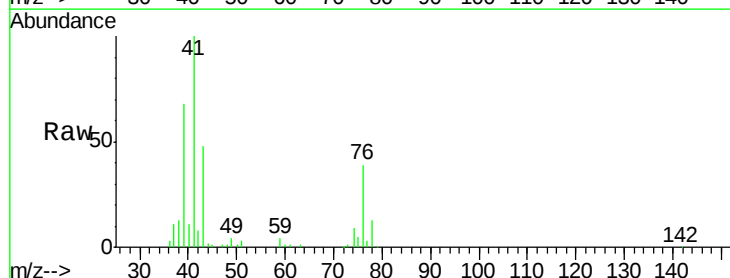
Tgt Ion: 41 Resp: 64897

Ion Ratio Lower Upper

41 100

39 64.1 49.4 74.0

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 98.675 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

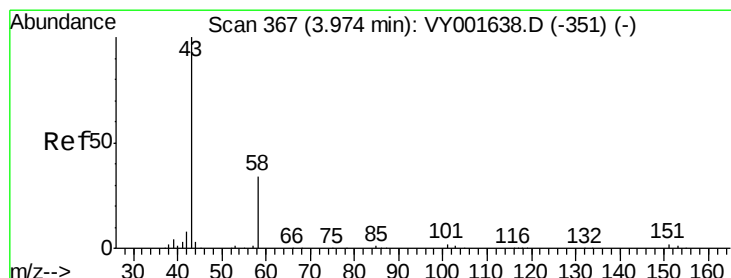
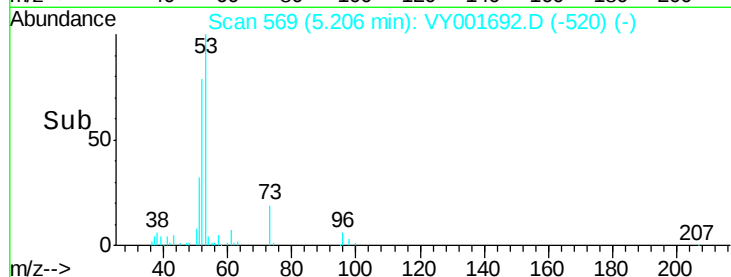
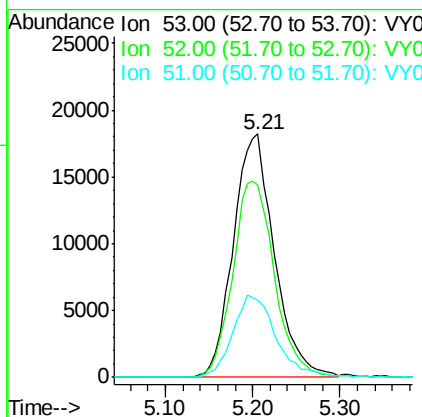
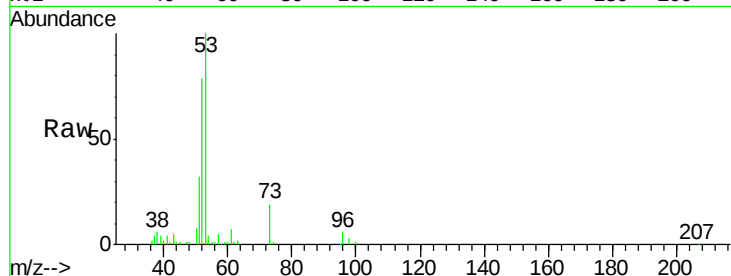
ClientSampleId :

VY0219SBS01

Tot Ion:	53	Resp:	59343
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.4	98.0
51	35.6	28.0	42.0

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#16

Acetone

Concen: 82.316 ug/l

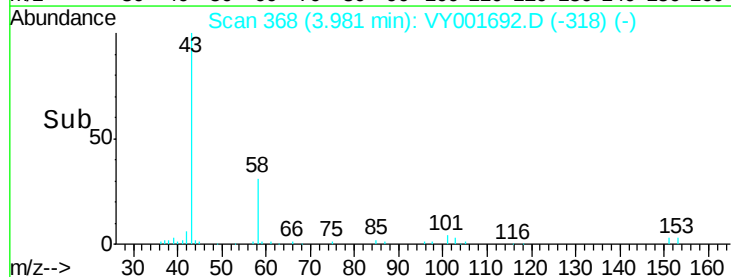
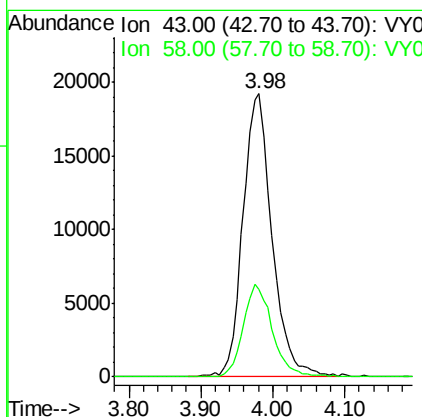
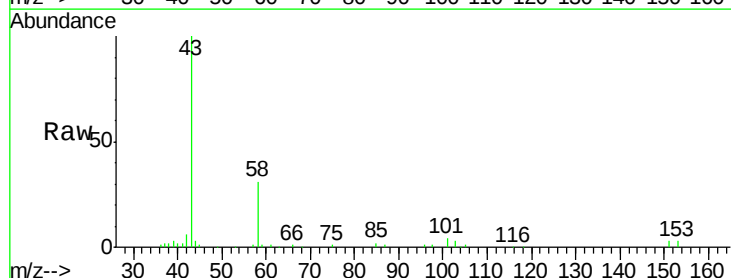
RT: 3.98 min Scan# 368

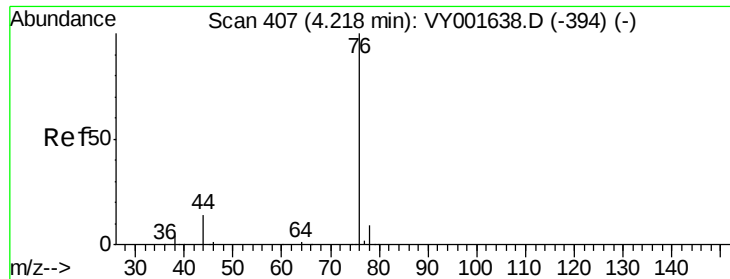
Delta R.T. 0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion:	43	Resp:	53874
Ion Ratio	Lower	Upper	
43	100		
58	31.0	27.3	40.9





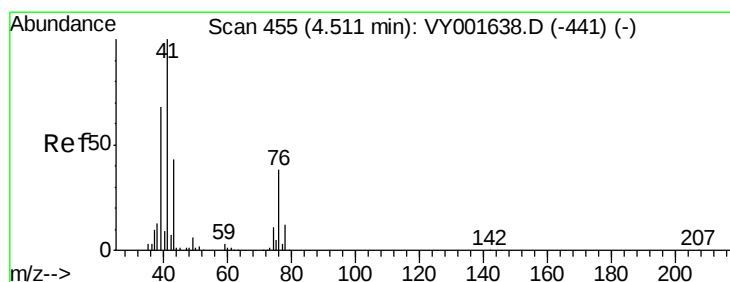
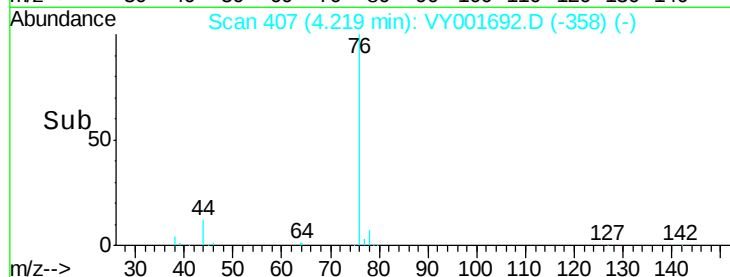
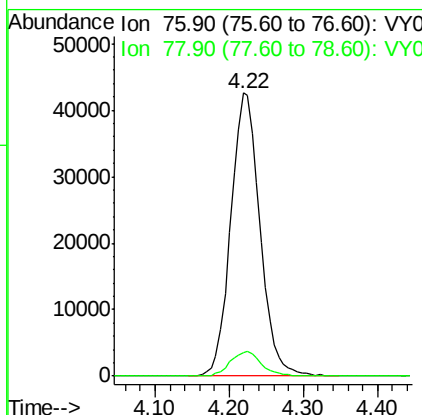
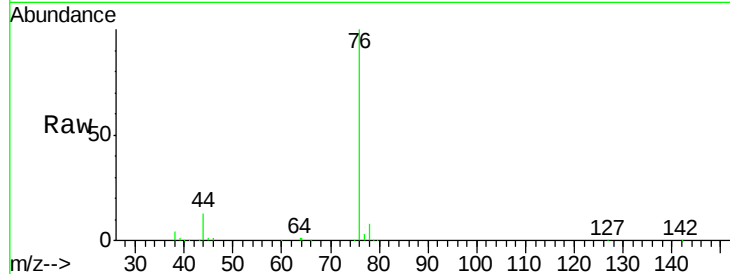
#17
Carbon Disulfide
Concen: 18.373 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

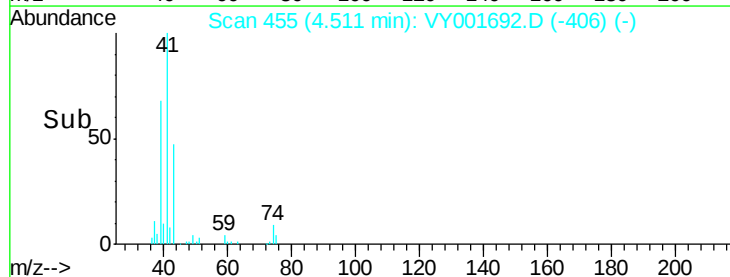
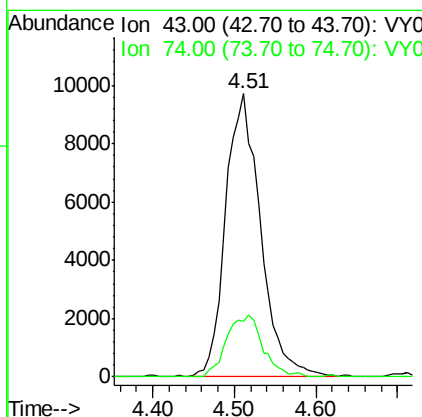
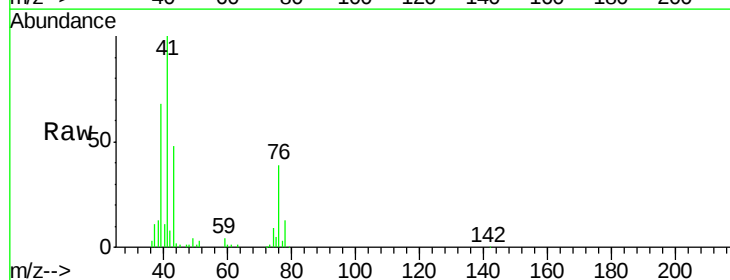
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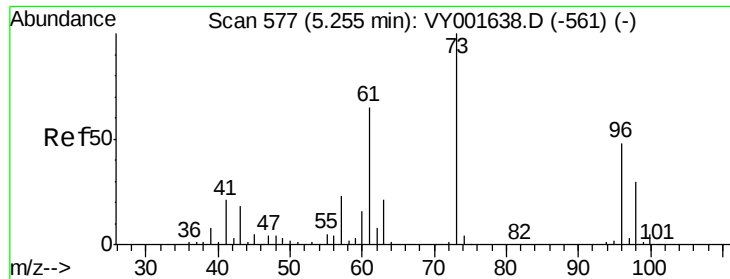
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#18
Methyl Acetate
Concen: 20.209 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.1	28.7





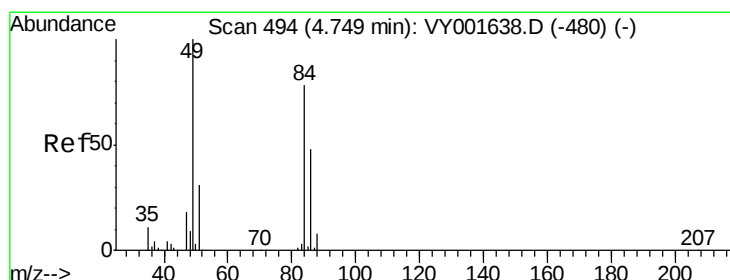
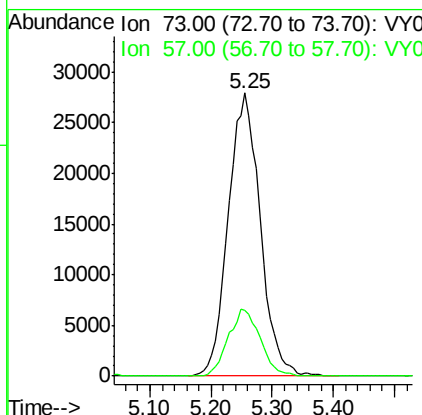
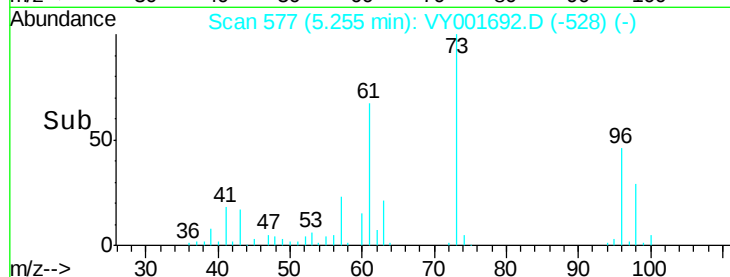
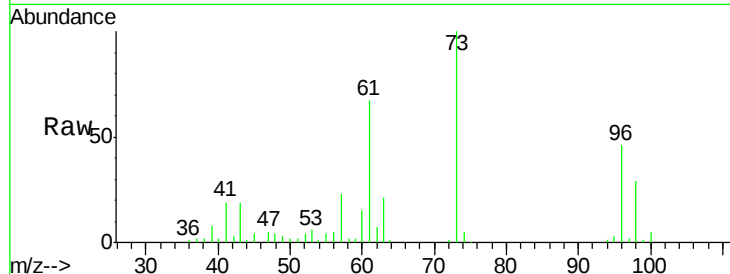
#19
Methyl tert-butyl Ether
Concen: 18.942 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 73 Resp: 100625
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.6

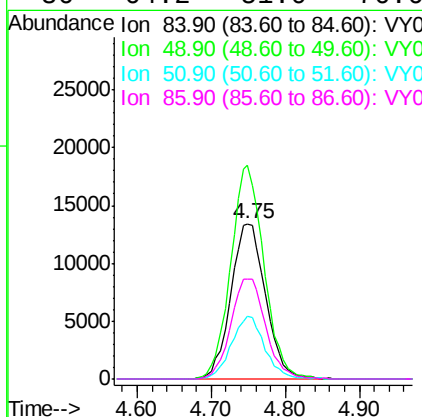
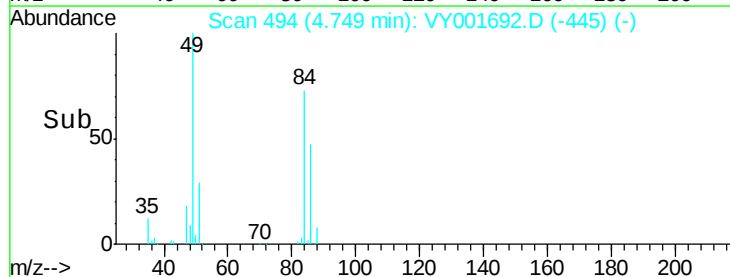
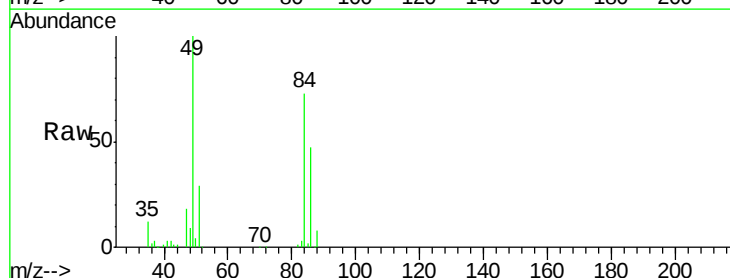
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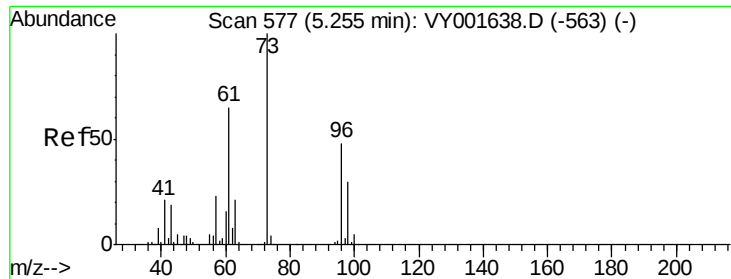
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#20
Methylene Chloride
Concen: 18.855 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion: 84 Resp: 43833
Ion Ratio Lower Upper
84 100
49 137.5 99.2 148.8
51 40.0 31.5 47.3
86 64.2 51.0 76.6





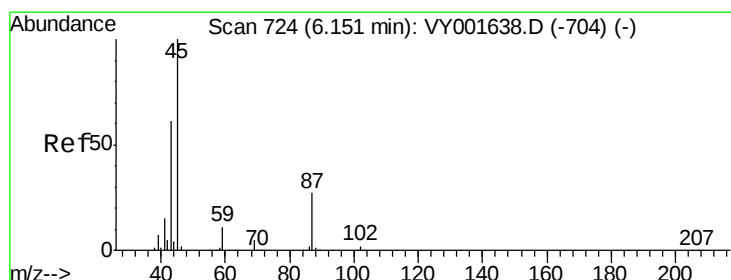
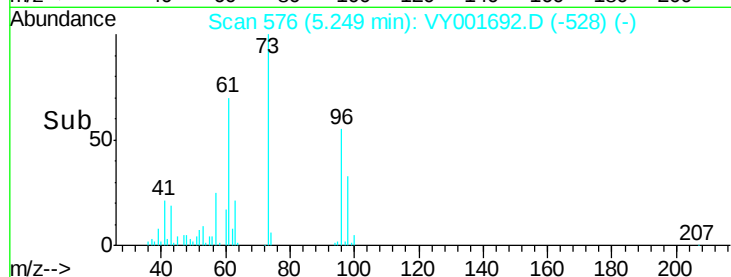
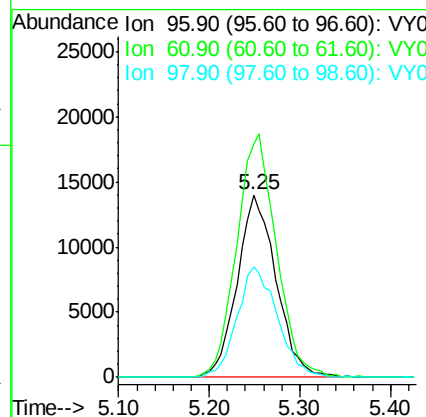
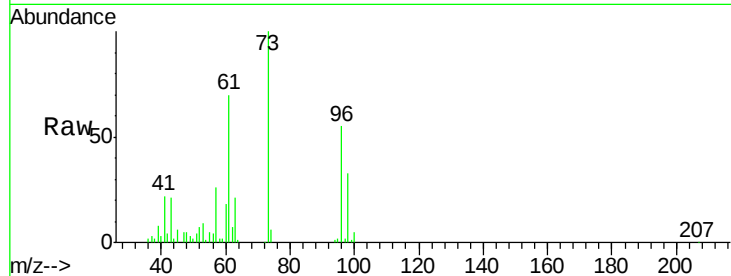
#21
trans-1,2-Dichloroethene
Concen: 19.144 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	107.9	161.9
98	60.7	49.8	74.8

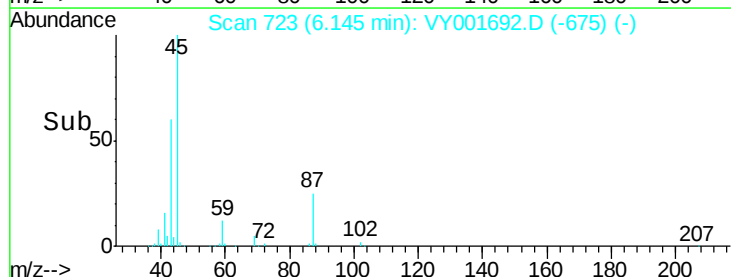
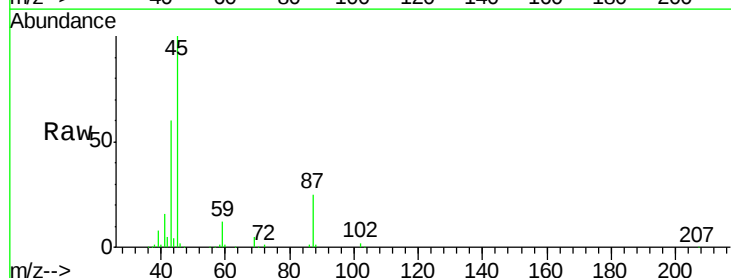
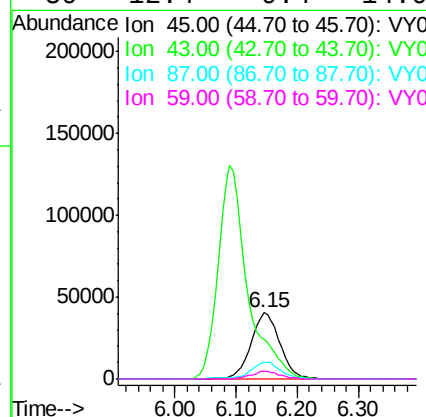
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#22
Diisopropyl ether
Concen: 19.316 ug/l
RT: 6.15 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.4	69.6
87	25.0	22.1	33.1
59	12.4	9.4	14.0





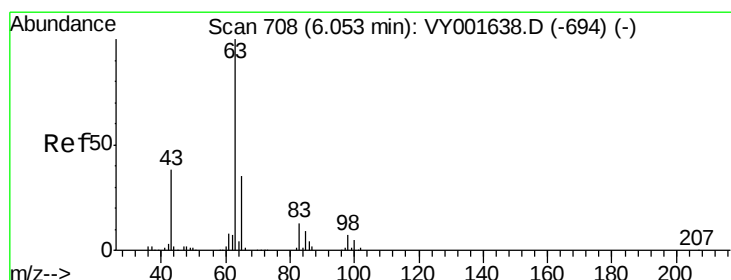
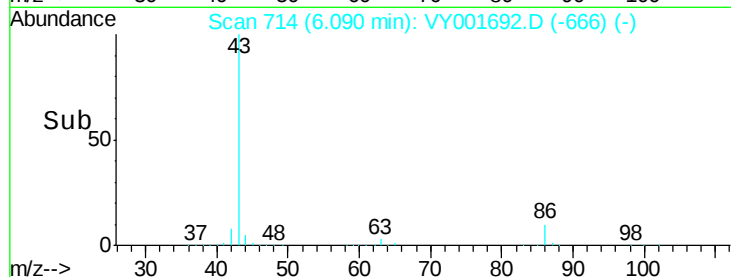
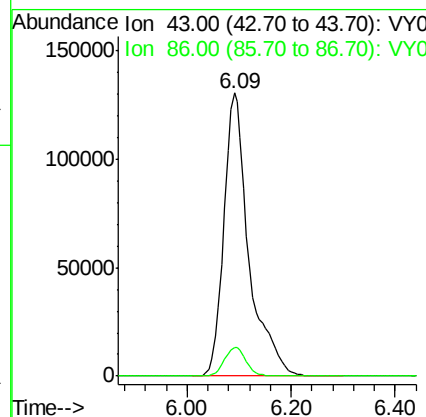
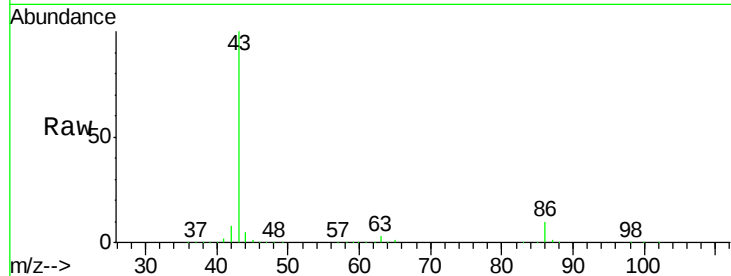
#23
 Vinyl Acetate
 Concen: 96.770 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	43	Resp	440175
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.8	13.2

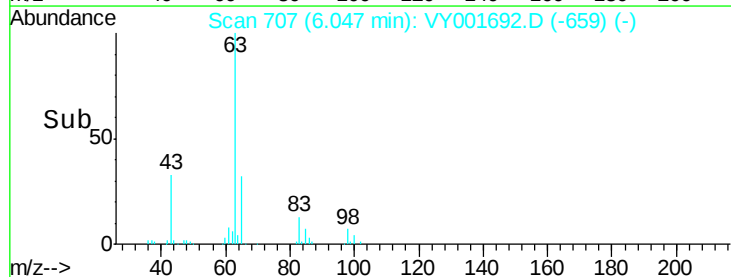
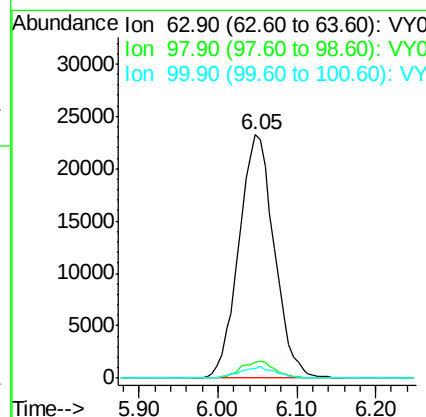
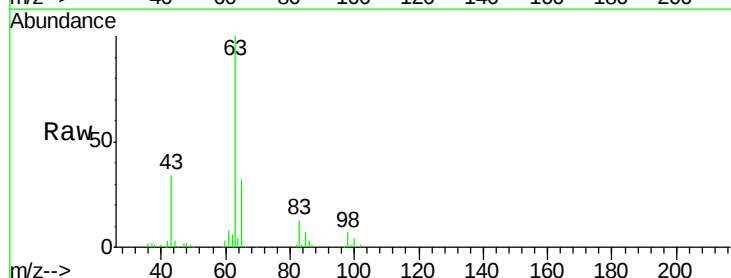
Manual Integrations
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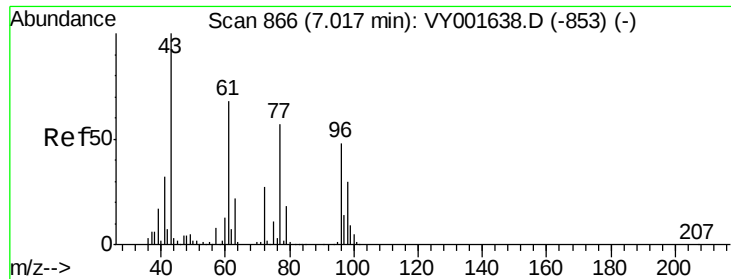
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#24
 1,1-Dichloroethane
 Concen: 19.429 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	63	Resp	72415
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	4.0	2.3	6.9





#25

2-Butanone

Concen: 90.585 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 43 Resp: 80537

Ion Ratio Lower Upper

43 100

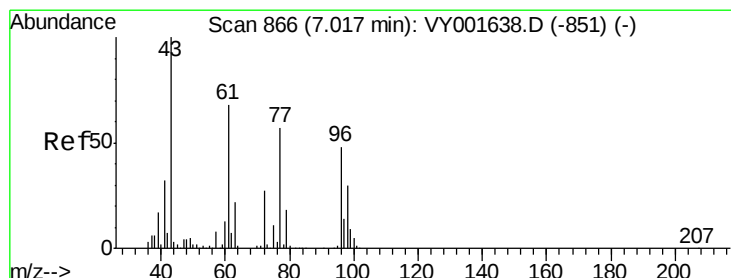
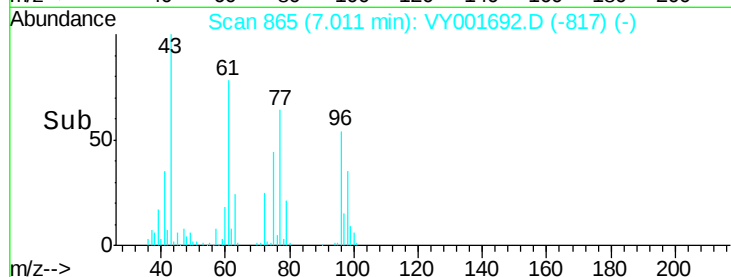
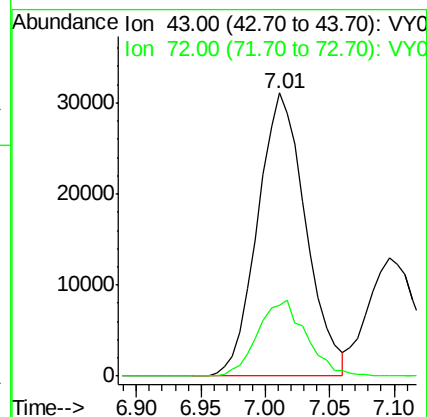
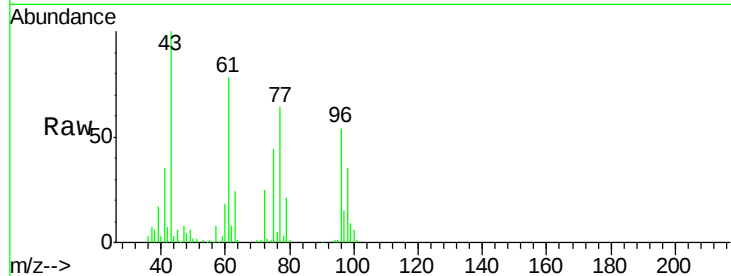
72 25.2 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.887 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001692.D

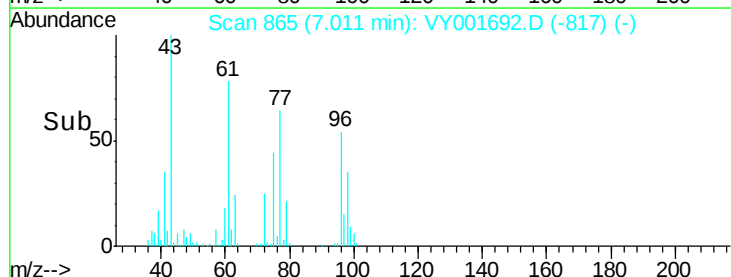
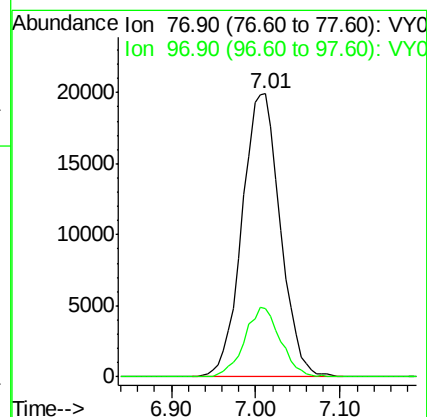
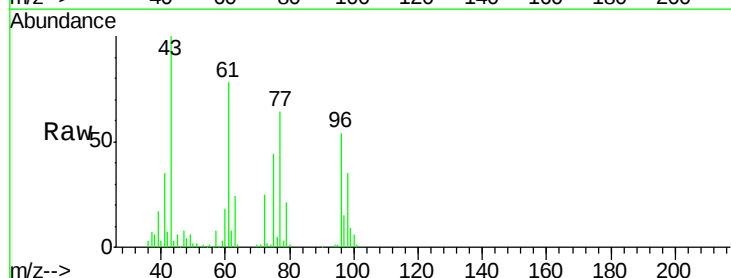
Acq: 19 Feb 2020 11:40

Tgt Ion: 77 Resp: 61244

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.4





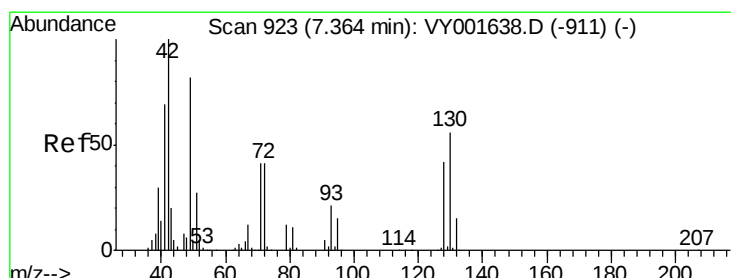
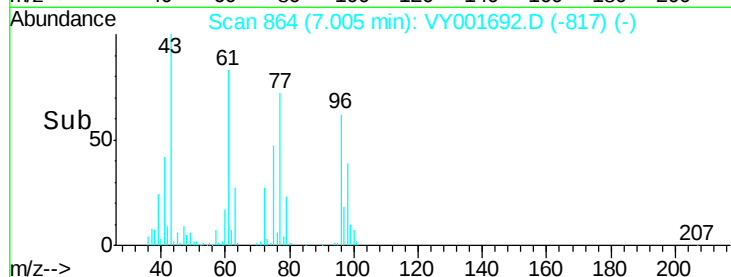
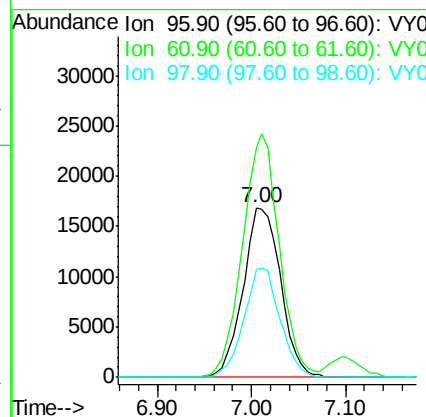
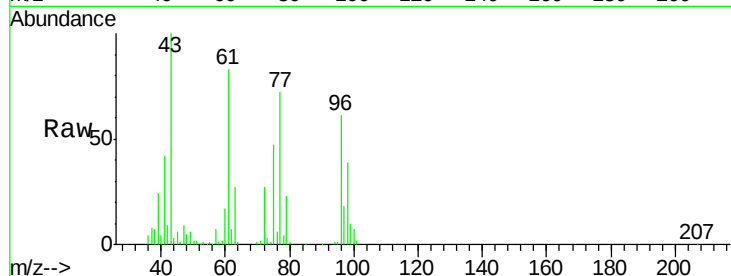
#27
 cis-1,2-Dichloroethene
 Concen: 19.441 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46713		
61	141.0	0.0	290.8	
98	62.4	0.0	128.6	

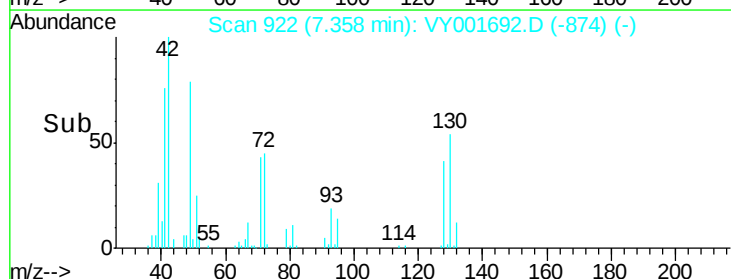
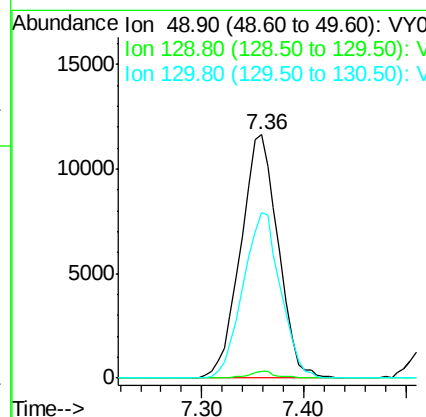
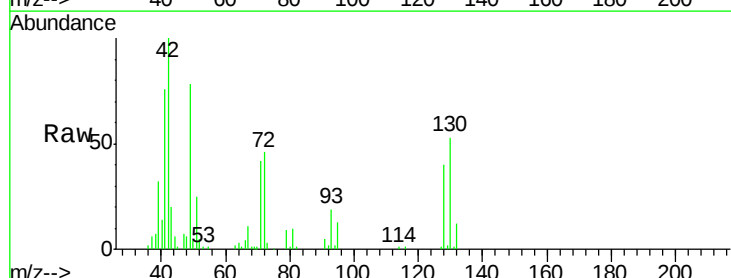
Manual Integrations
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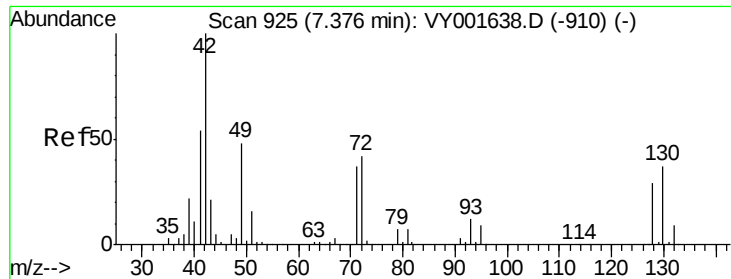
MMDadoda
 2/20/2020 5:56:04 PM



#28
 Bromochloromethane
 Concen: 19.088 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29635		
129	1.9	0.0	3.6	
130	68.2	56.2	84.4	





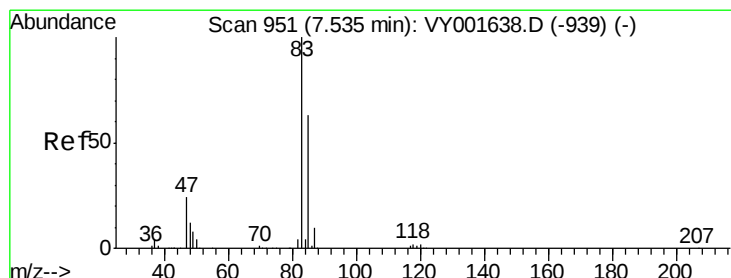
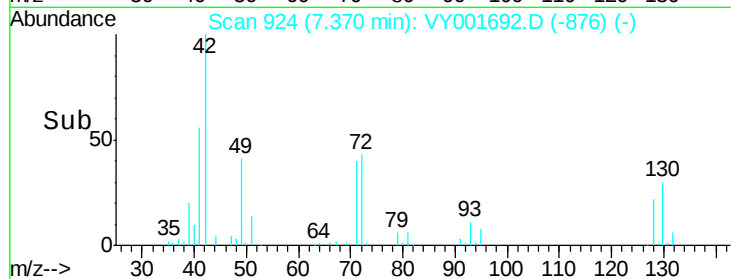
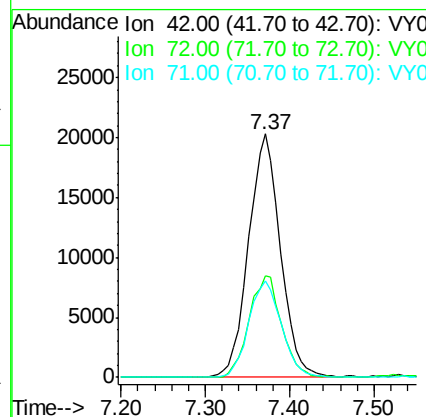
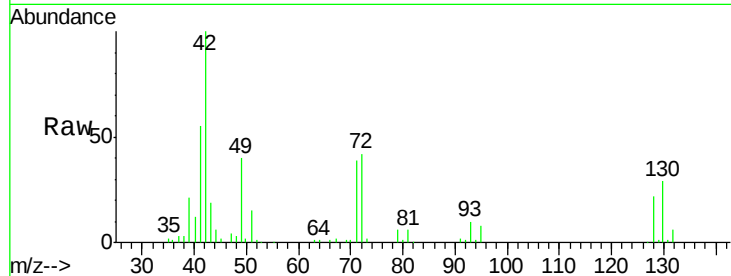
#29
Tetrahydrofuran
Concen: 96.814 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.4	51.6
71	40.4	31.8	47.8

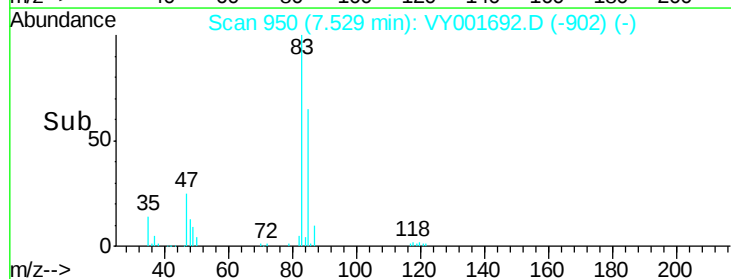
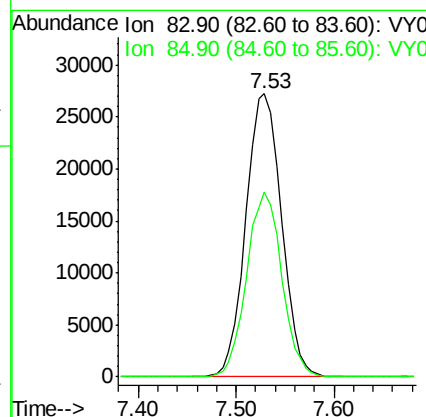
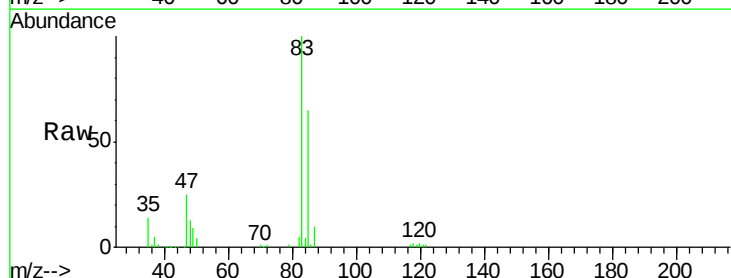
Manual Integrations
APPROVED

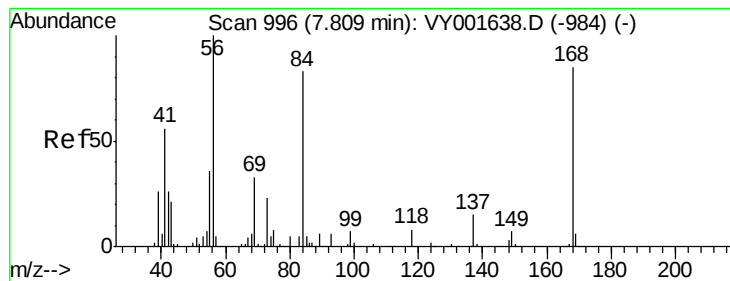
MMDadoda
2/20/2020 5:56:04 PM



#30
Chloroform
Concen: 18.961 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4





#31

Cyclohexane

Concen: 19.065 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

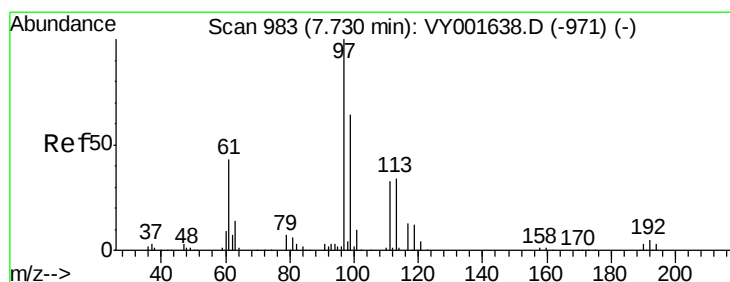
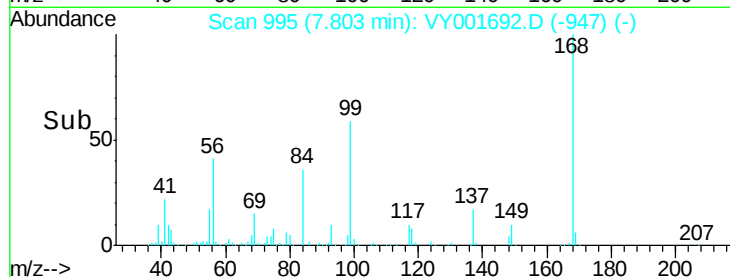
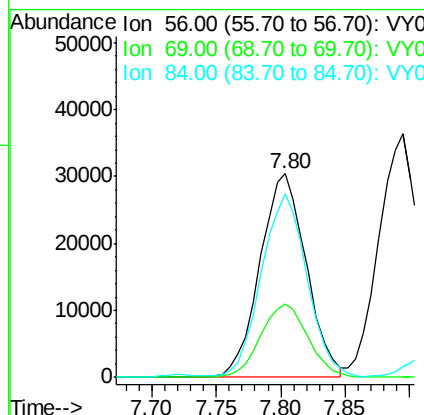
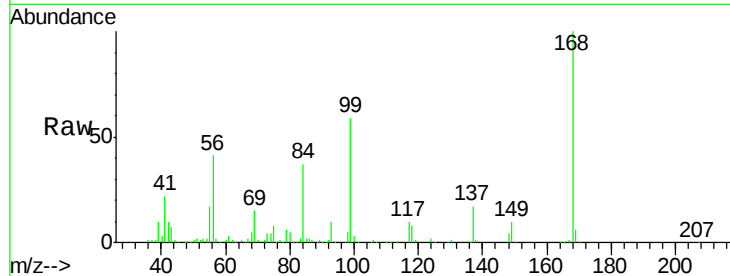
ClientSampleId :

VY0219SBS01

Tot Ion:	56	Resp:	75761
Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.1	37.7
84	88.9	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.132 ug/l

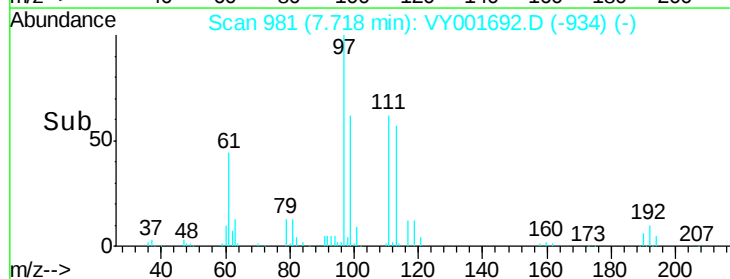
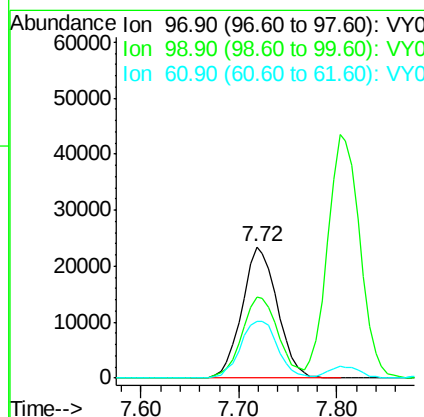
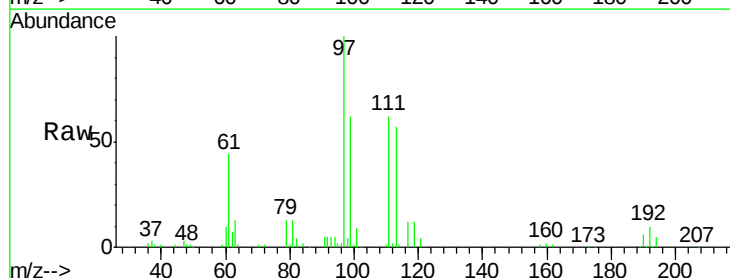
RT: 7.72 min Scan# 981

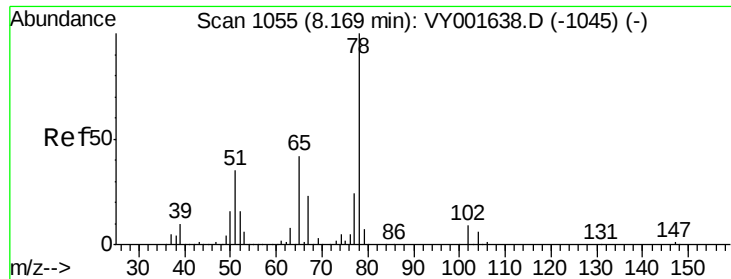
Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion:	97	Resp:	58560
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	46.3	35.0	52.6





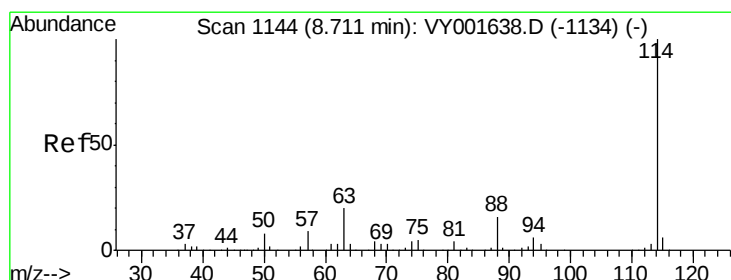
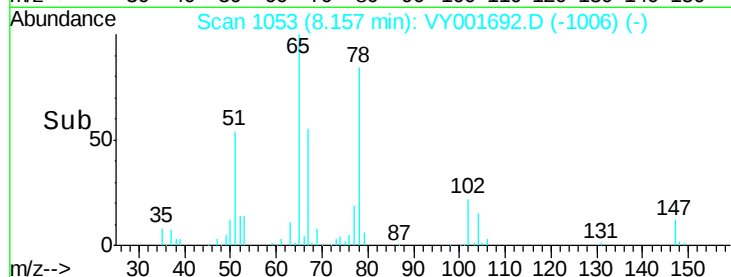
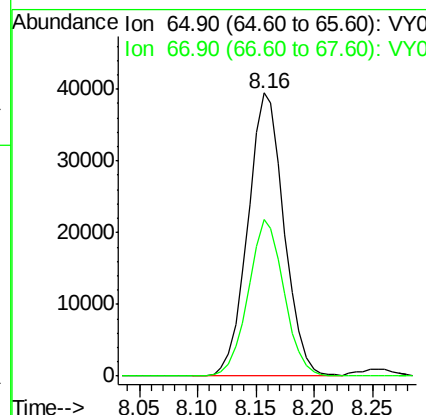
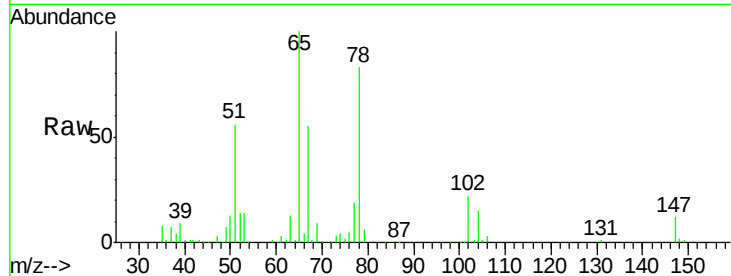
#33
 1,2-Dichloroethane-d4
 Concen: 45.182 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	111.0

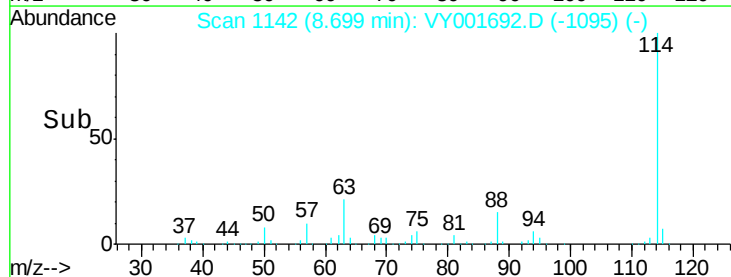
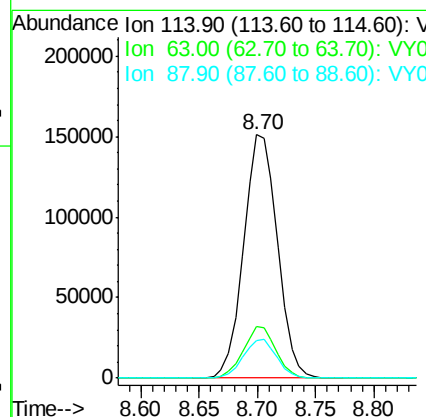
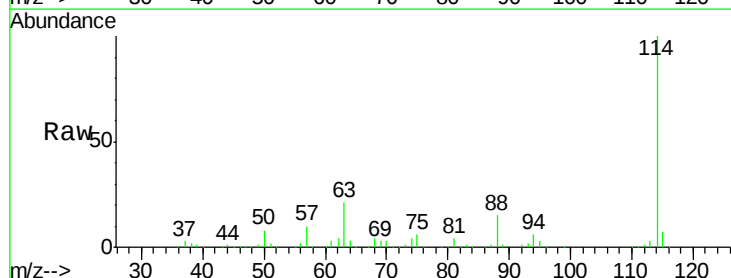
Manual Integrations
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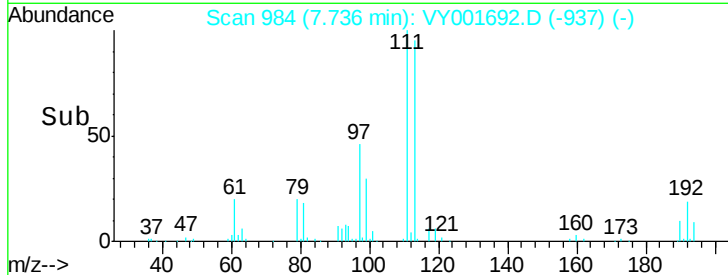
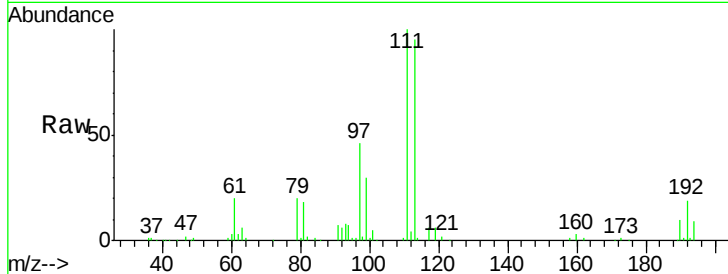
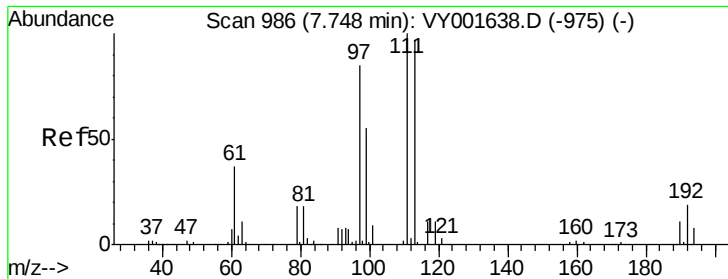
MMDadoda
 2/20/2020 5:56:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.4
88	15.5	0.0	32.8





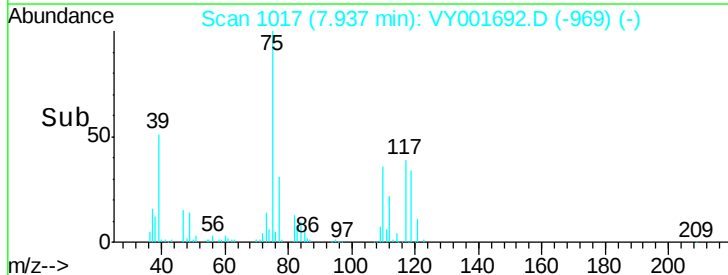
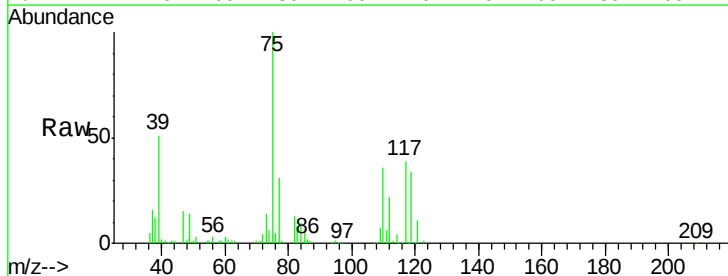
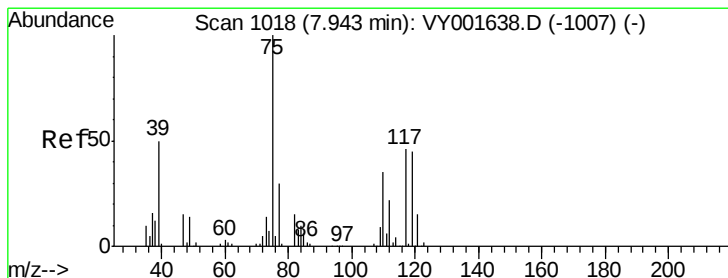
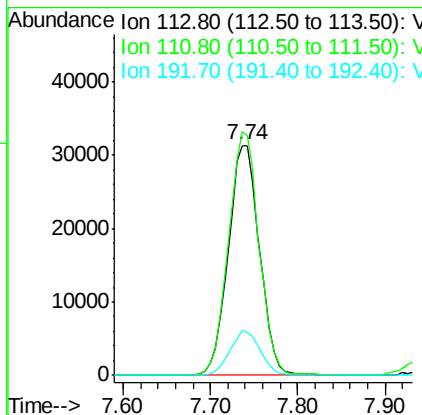
#35
Dibromofluoromethane
Concen: 44.264 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.9	122.9	
192	18.9	14.3	21.5	

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

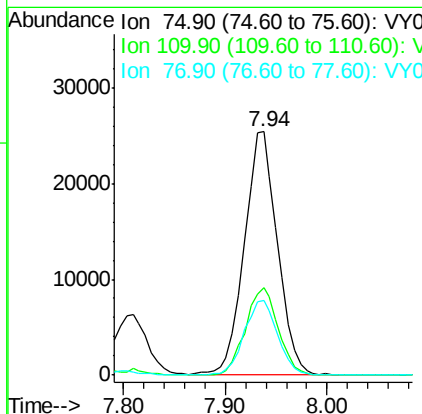
Manual Integrations
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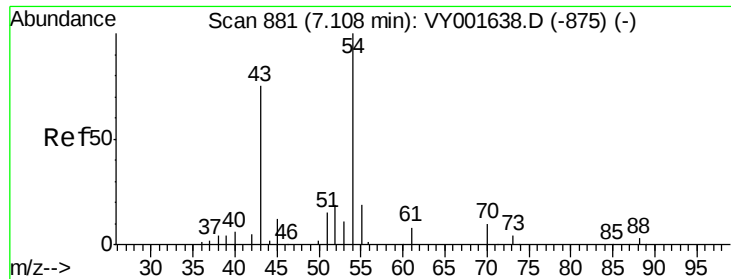
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2/20/2020 5:56:04 PM



#36
1,1-Dichloropropene
Concen: 19.685 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	17.2	51.6	
77	30.9	24.8	37.2	





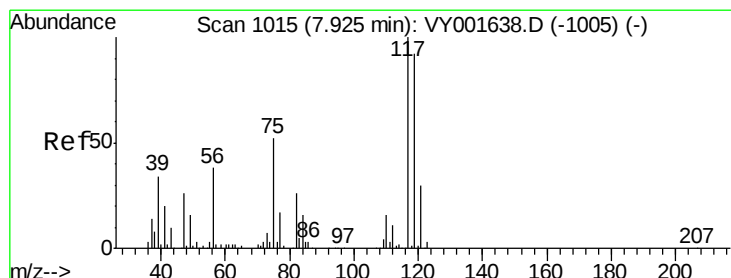
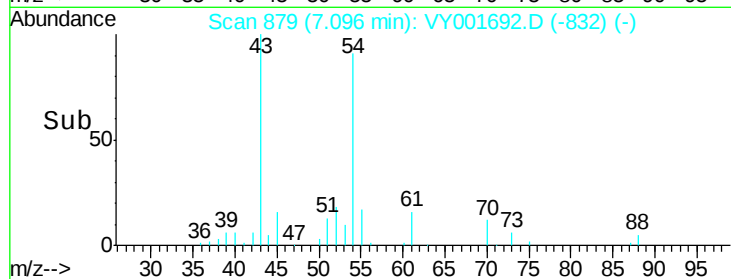
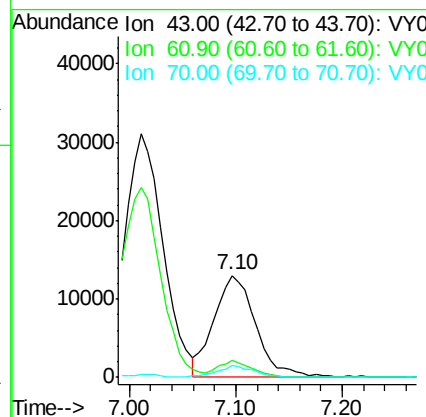
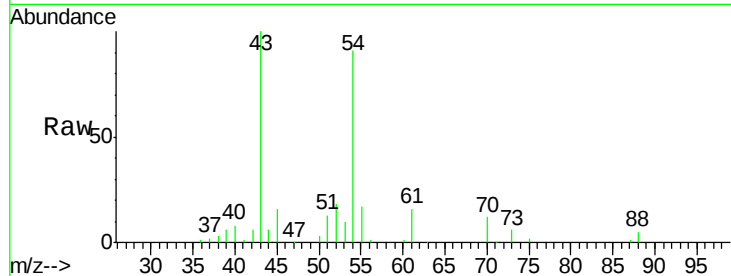
#37
Ethyl Acetate
Concen: 20.015 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion:	43	Resp:	34917
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	10.6	8.8	13.2

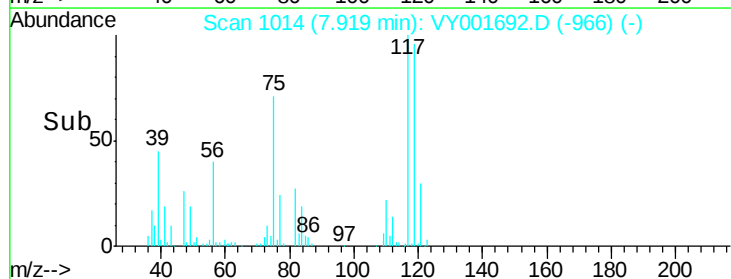
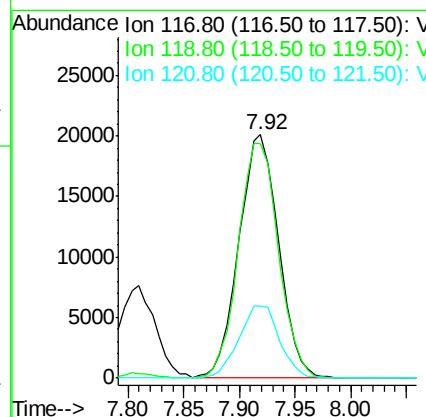
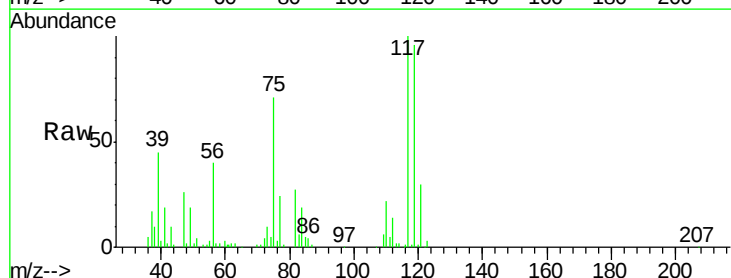
Manual Integrations
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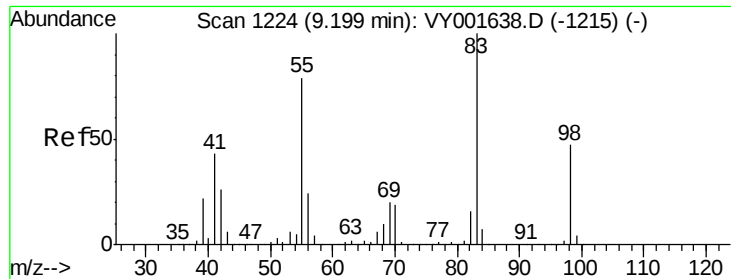
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2/20/2020 5:56:04 PM



#38
Carbon Tetrachloride
Concen: 19.413 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion:	117	Resp:	49839
Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.8	112.2
121	29.6	23.8	35.6





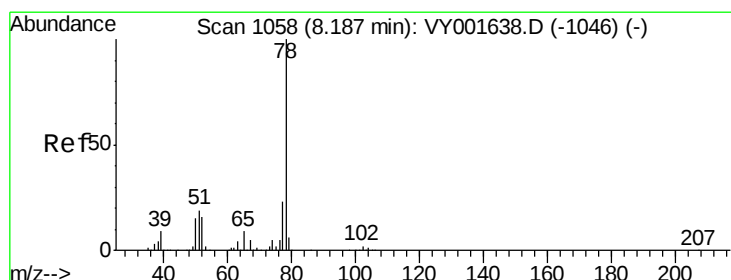
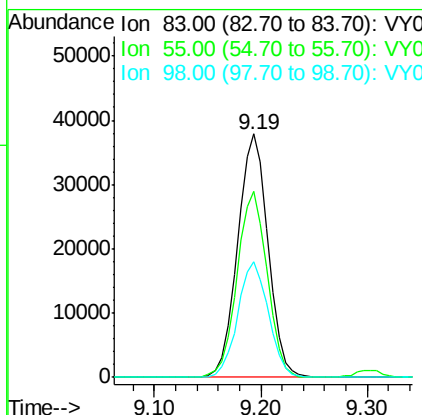
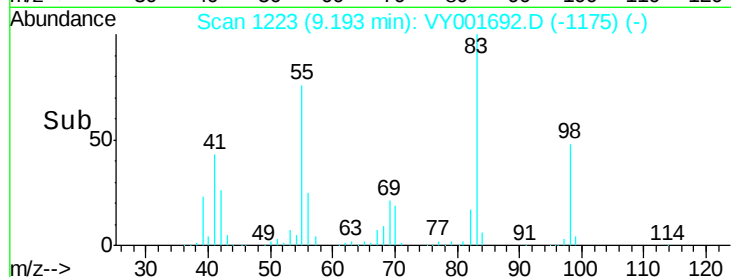
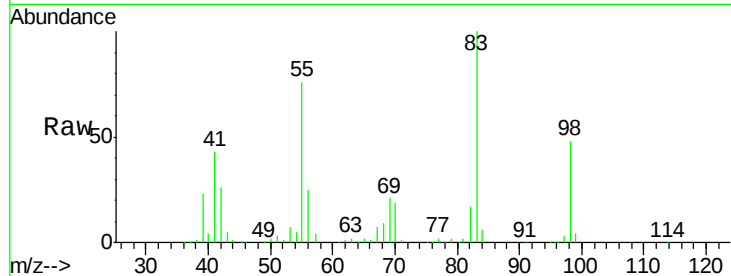
#39
Methvlcvclohexane
Concen: 19.580 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.3	91.9
98	47.6	38.0	57.0

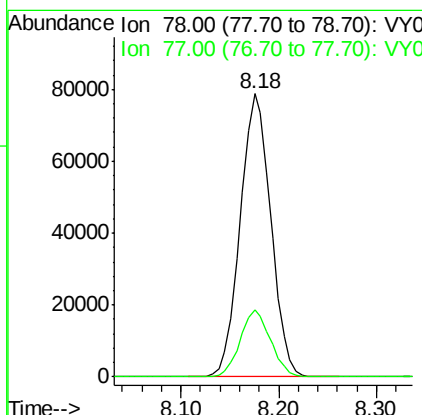
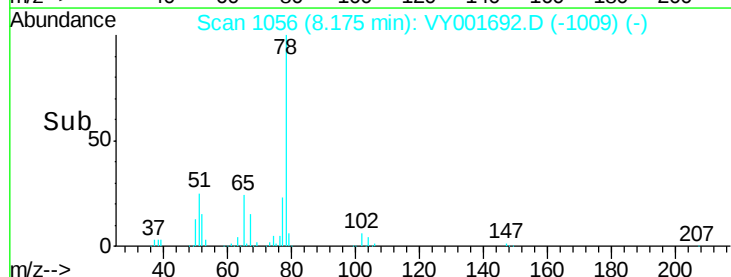
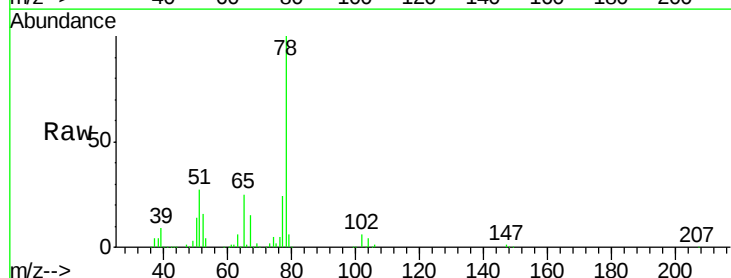
Manual Integrations
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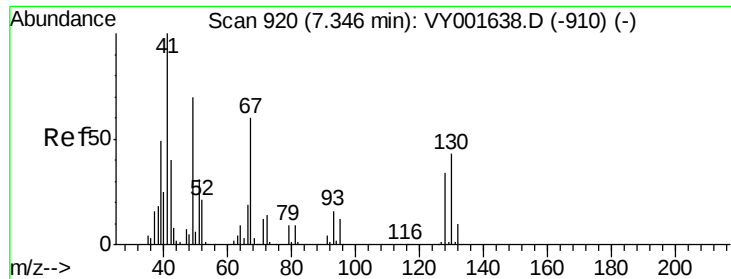
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#40
Benzene
Concen: 19.891 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.4





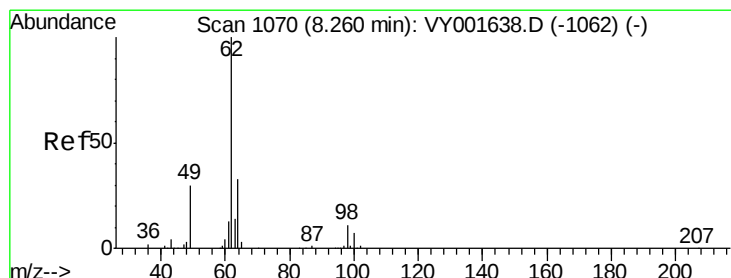
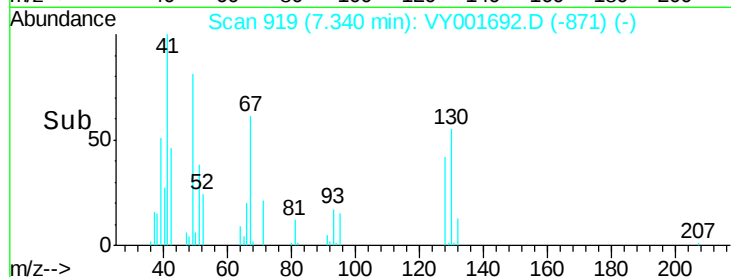
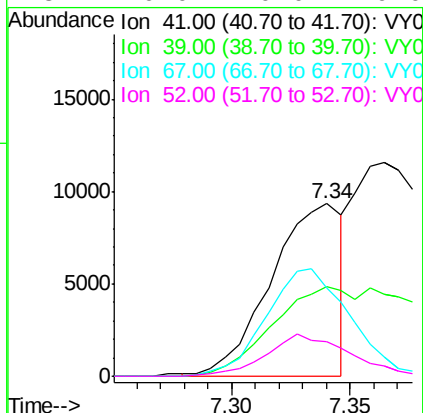
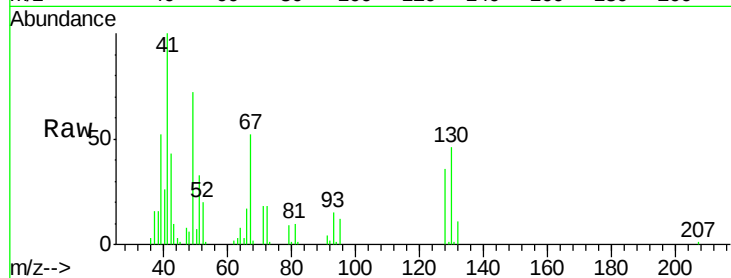
#41
Methacrylonitrile
Concen: 22.429 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	41	Resp	19646
Ion Ratio	Lower	Upper	
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

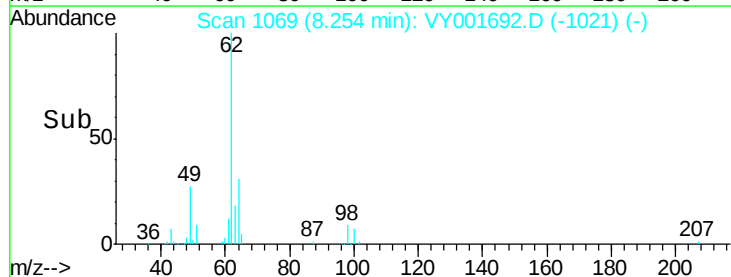
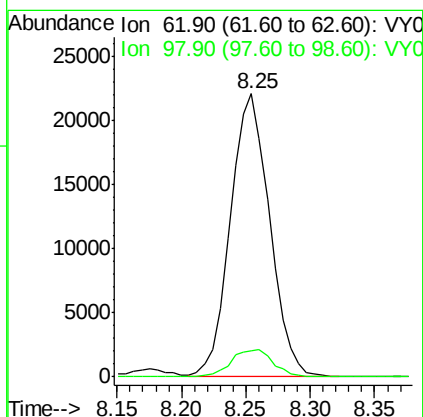
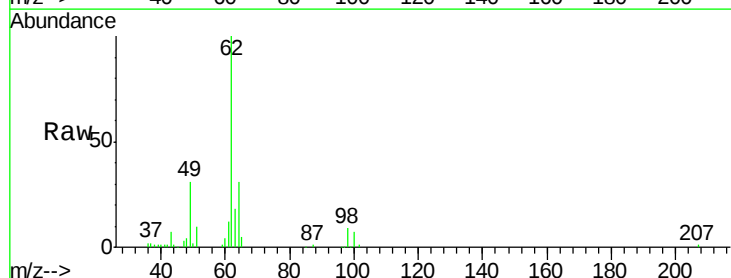
Manual Integrations
APPROVED

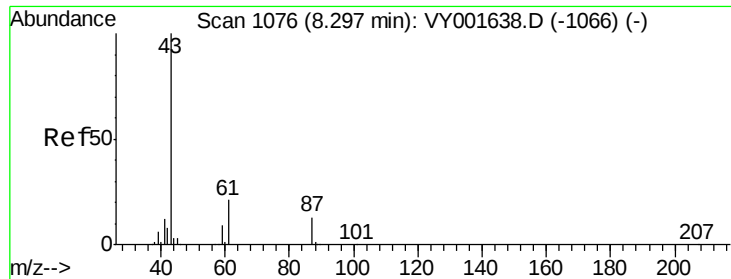
MMDadoda
2/20/2020 5:56:04 PM



#42
1,2-Dichloroethane
Concen: 19.966 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	62	Resp	46759
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.8





#43

Isopropyl Acetate

Concen: 20.339 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

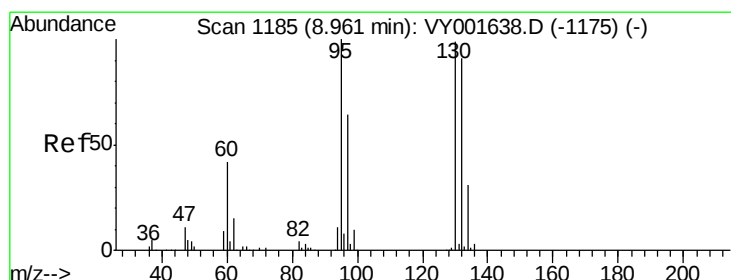
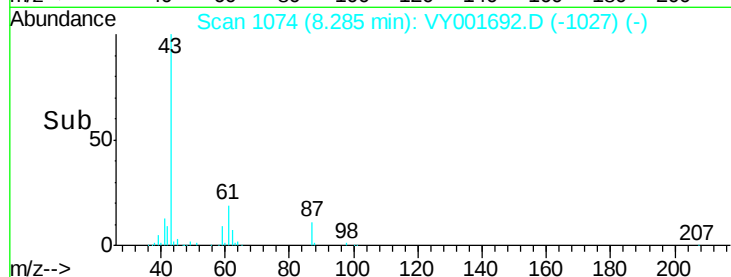
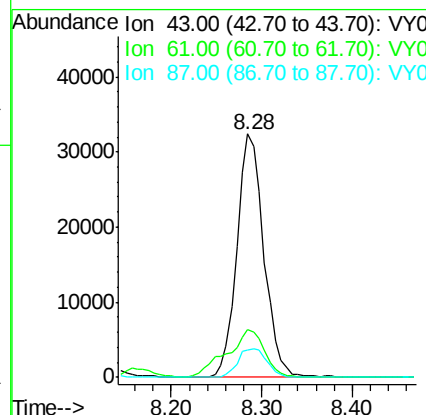
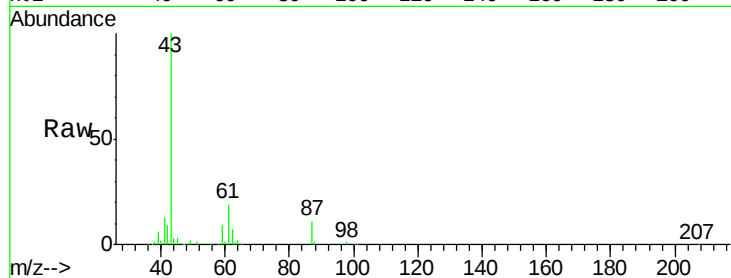
ClientSampleId :

VY0219SBS01

Tot Ion:	43	Resp:	67321
Ion	Ratio	Lower	Upper
43	100		
61	27.3	23.0	34.4
87	12.8	10.7	16.1

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#44

Trichloroethene

Concen: 19.403 ug/l

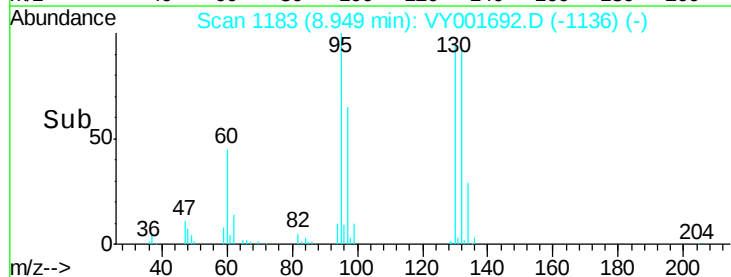
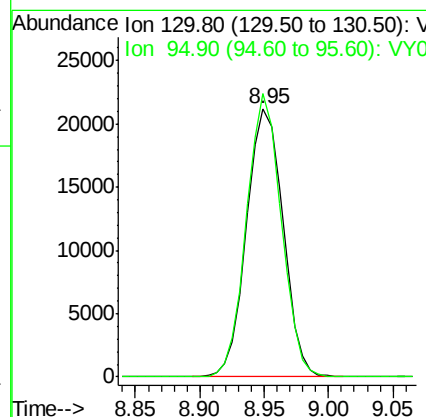
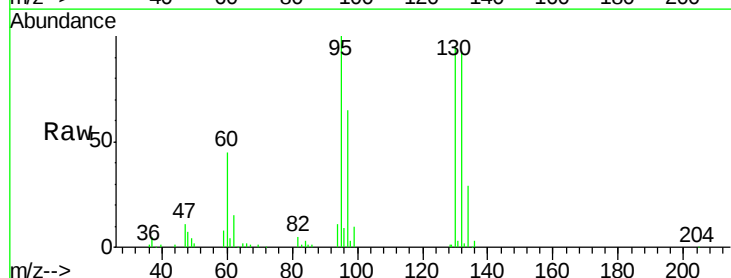
RT: 8.95 min Scan# 1183

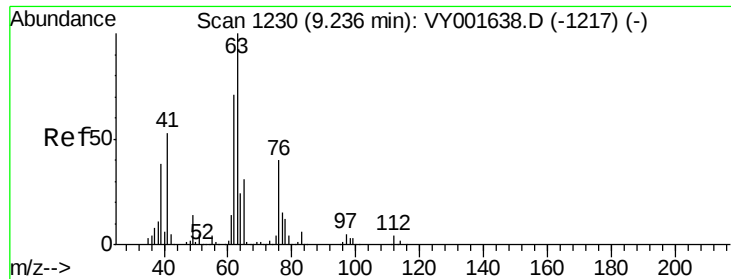
Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion:	130	Resp:	41636
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	200.6





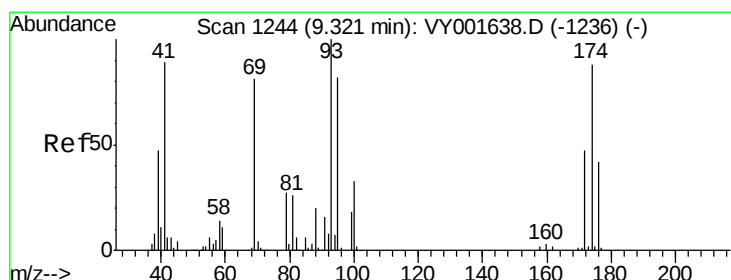
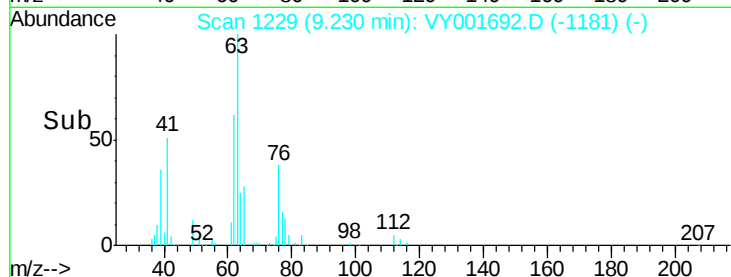
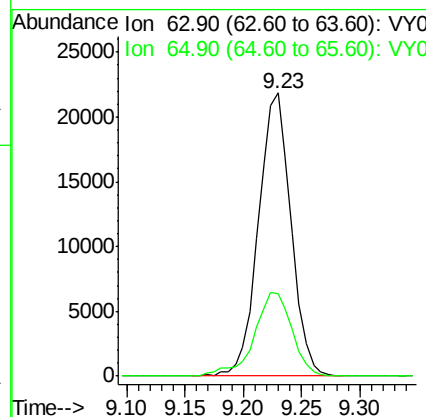
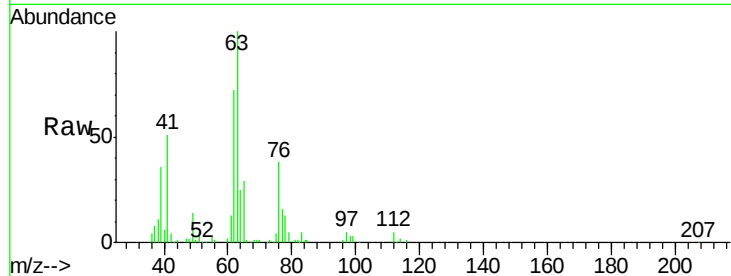
#45
 1,2-Dichloropropane
 Concen: 19.783 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion: 63 Resp: 42590
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.6 37.0

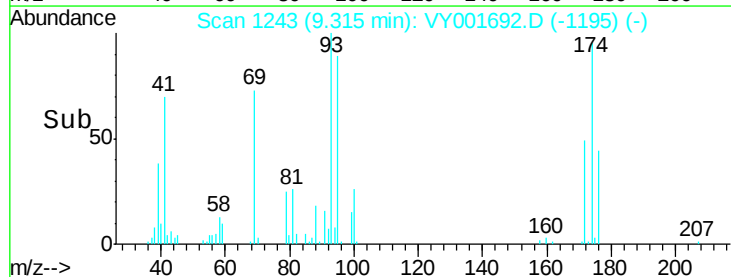
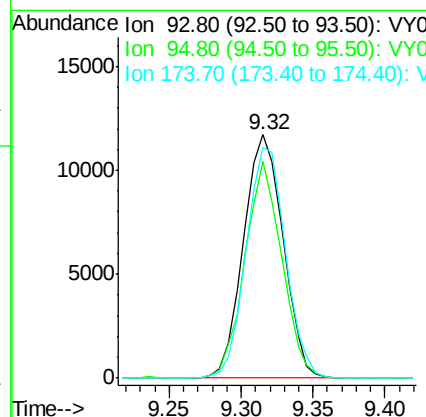
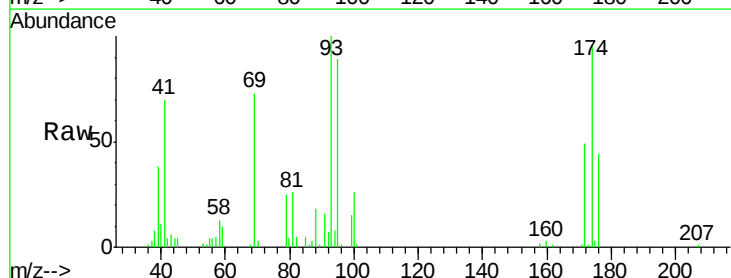
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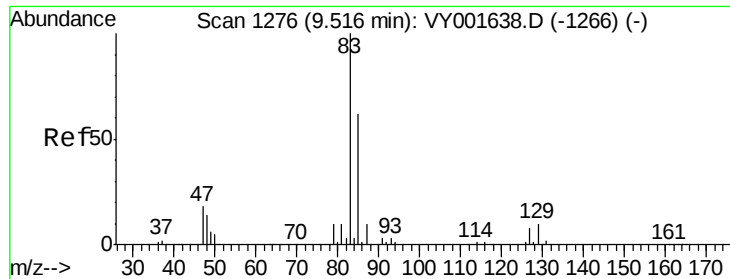
MMDadoda
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#46
 Dibromomethane
 Concen: 19.798 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion: 93 Resp: 22293
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.1 99.1
 174 93.9 72.5 108.7





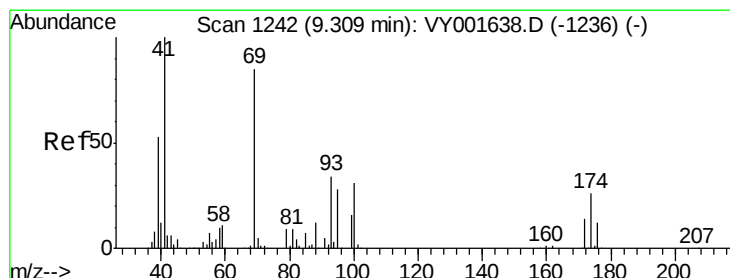
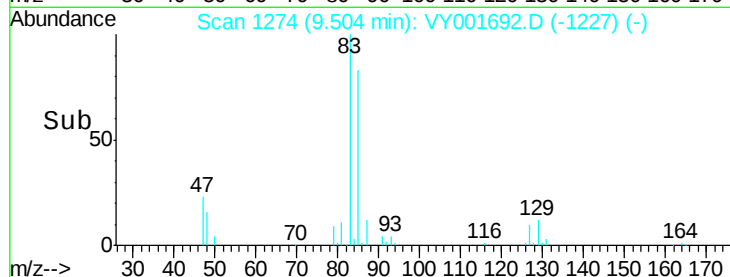
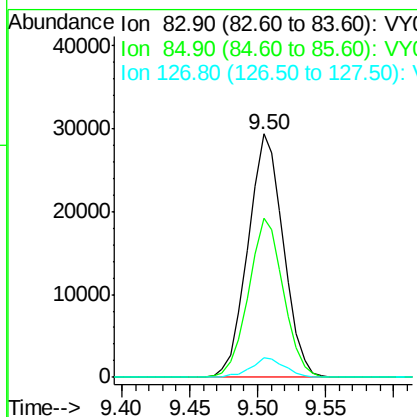
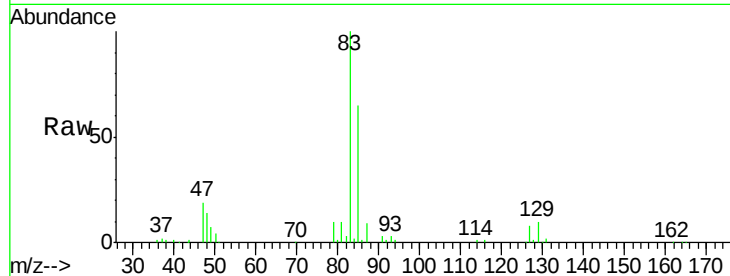
#47
Bromodichloromethane
Concen: 19.662 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	53435		
85	65.2		51.4	77.0
127	8.0		6.4	9.6

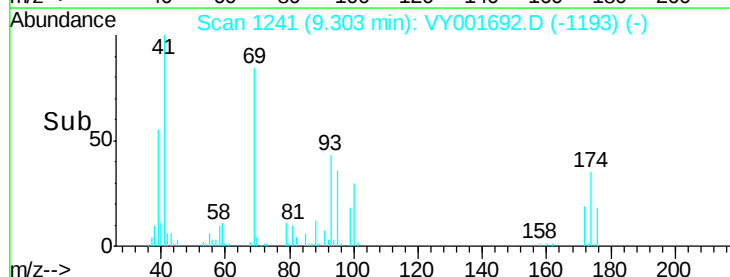
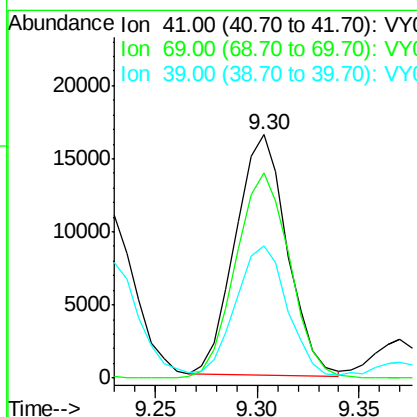
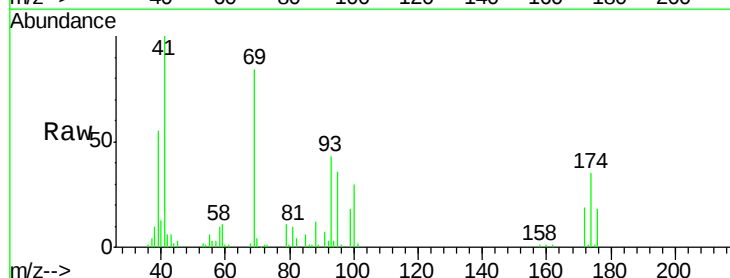
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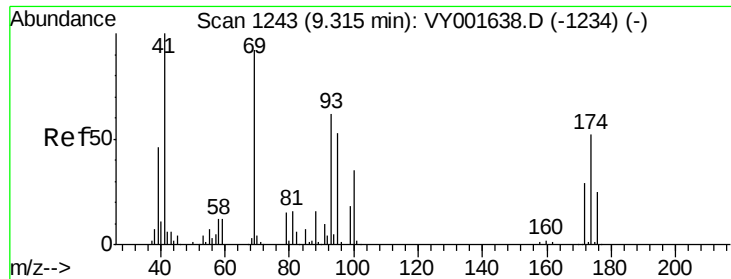
MMDadoda
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#48
Methyl methacrylate
Concen: 19.338 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	28949		
69	88.9		70.7	106.1
39	56.0		42.2	63.2





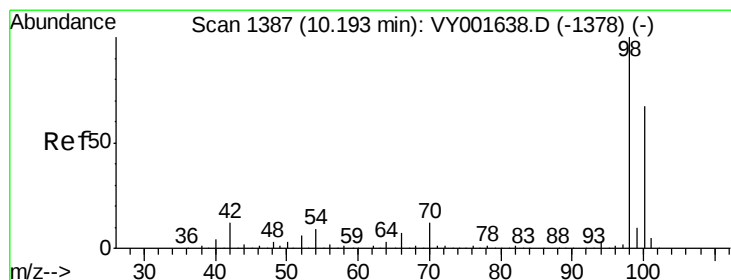
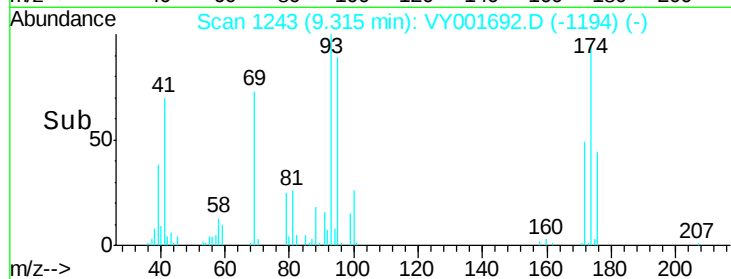
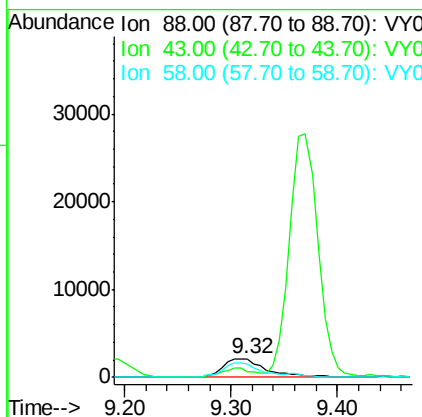
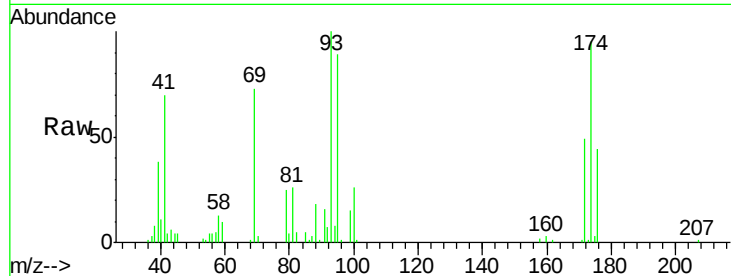
#49
1,4-Dioxane
Concen: 378.083 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	23.1	34.7#
58	74.5	58.1	87.1

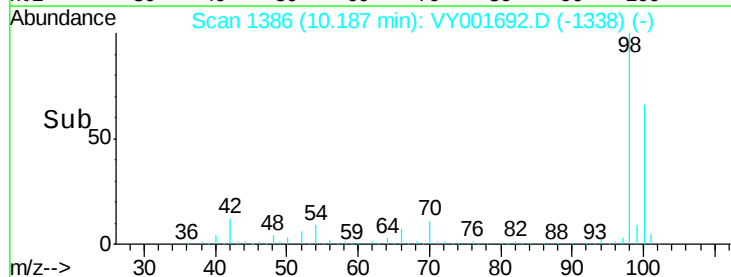
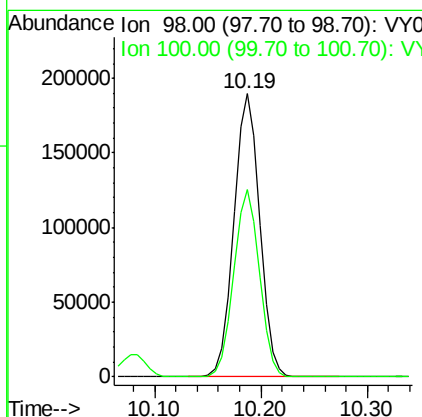
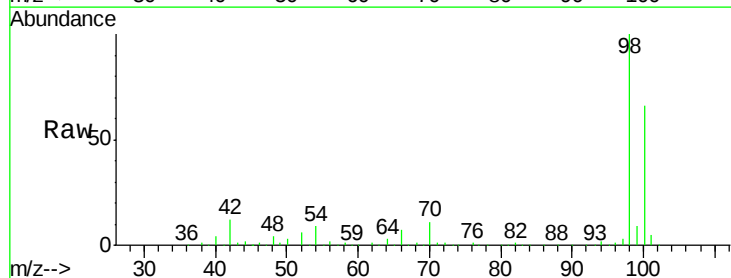
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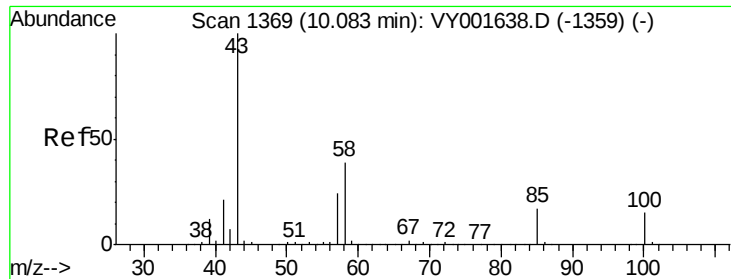
MMDadoda
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#50
Toluene-d8
Concen: 46.976 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 100.345 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 43 Resp: 170650

Ion Ratio Lower Upper

43 100

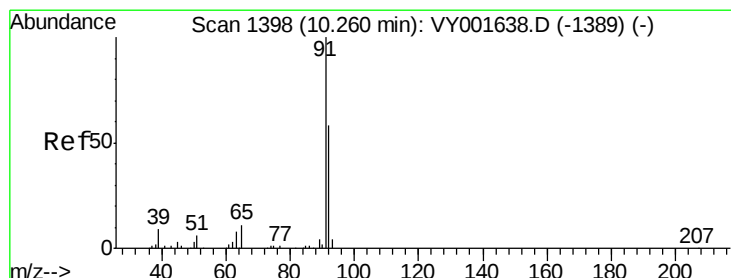
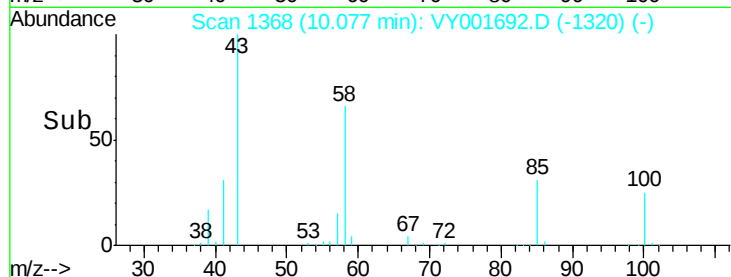
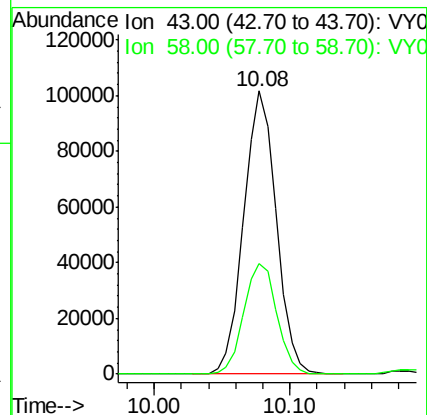
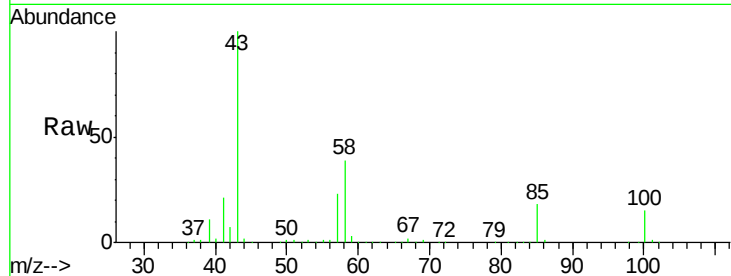
58 39.5 32.2 48.4

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#52

Toluene

Concen: 19.529 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001692.D

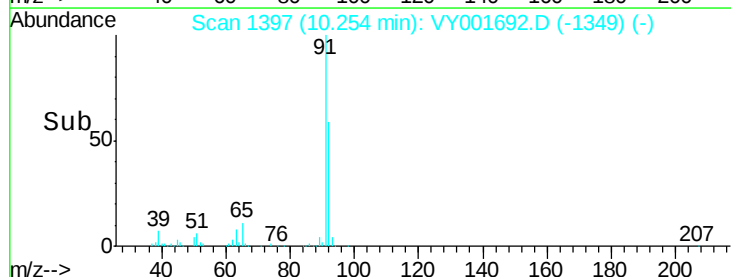
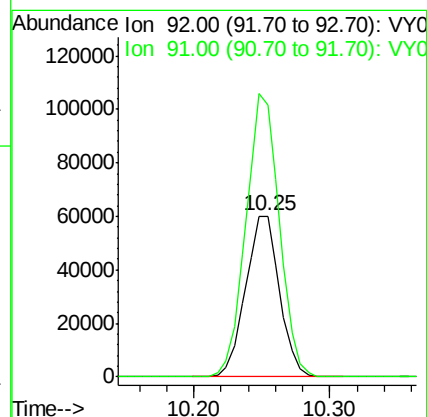
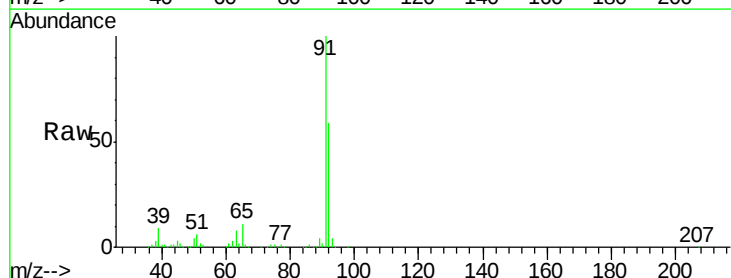
Acq: 19 Feb 2020 11:40

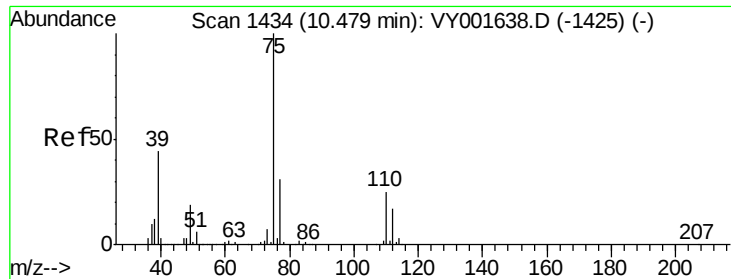
Tgt Ion: 92 Resp: 104718

Ion Ratio Lower Upper

92 100

91 173.7 137.0 205.6





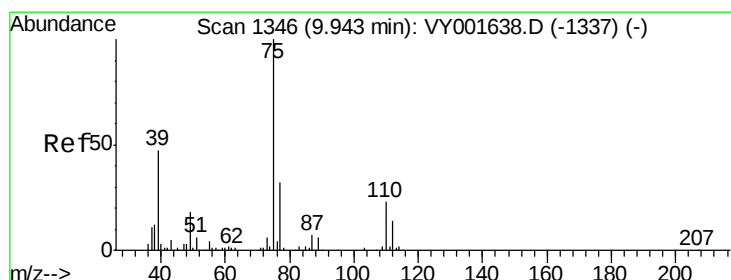
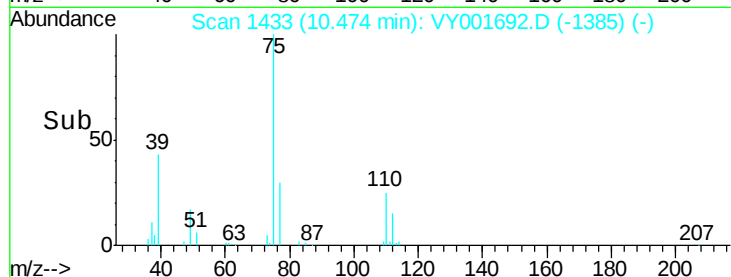
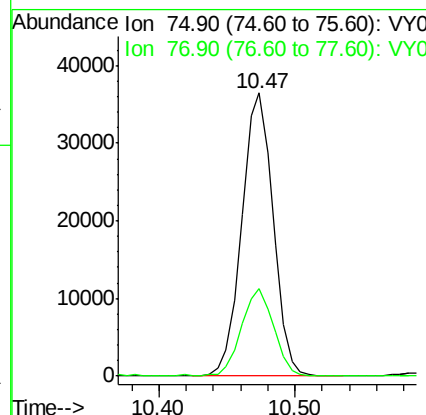
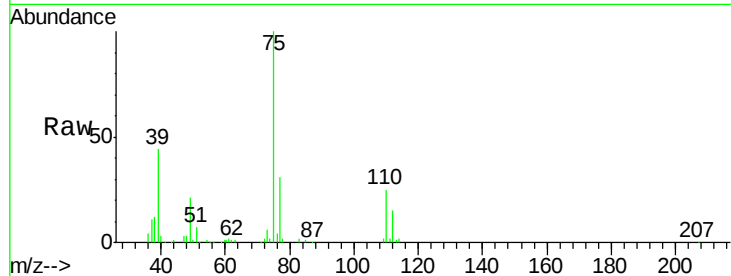
#53
t-1,3-Dichloropropene
Concen: 19.500 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 75 Resp: 58586
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8

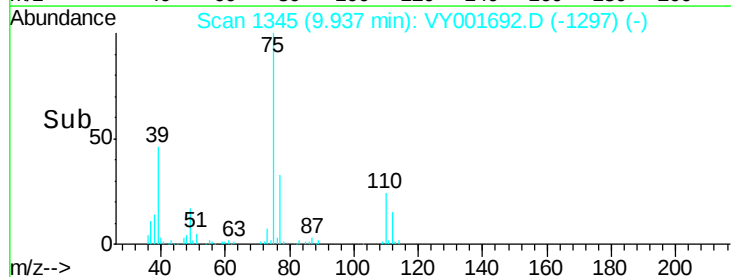
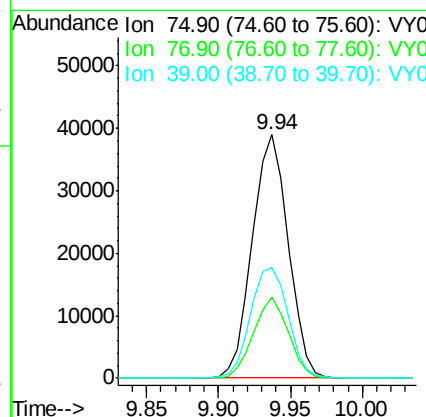
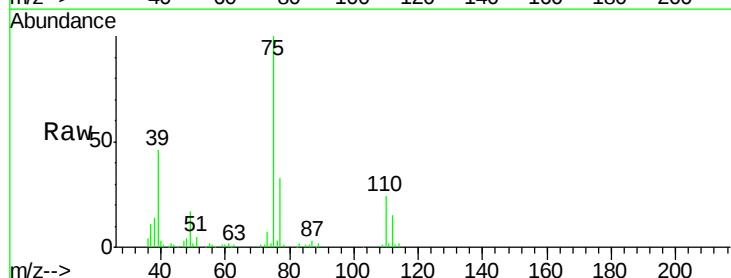
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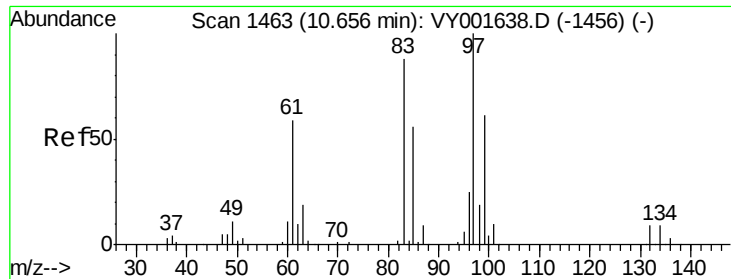
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#54
cis-1,3-Dichloropropene
Concen: 19.435 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion: 75 Resp: 67203
Ion Ratio Lower Upper
75 100
77 33.4 25.7 38.5
39 45.6 35.7 53.5





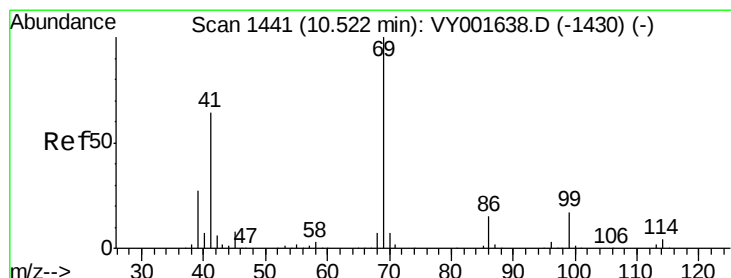
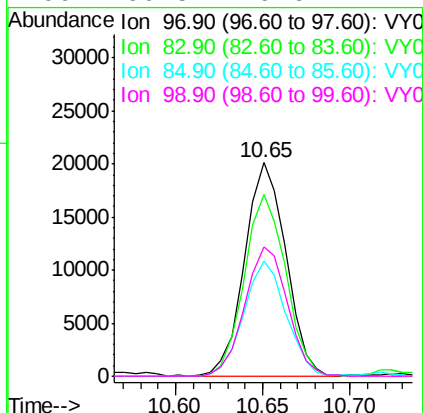
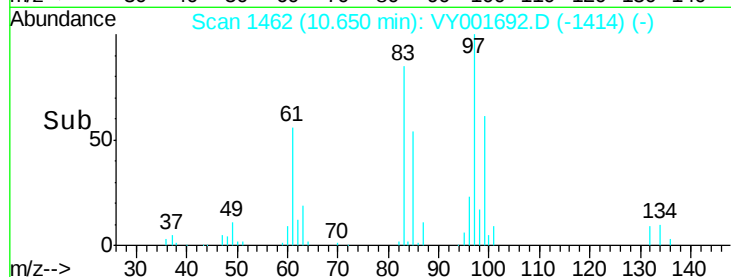
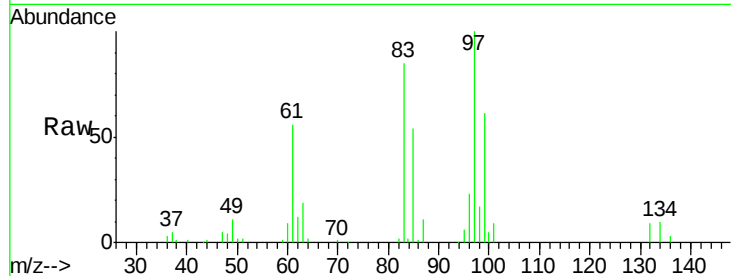
#55
 1,1,2-Trichloroethane
 Concen: 19.952 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion:	97	Resp:	33127
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.7	104.5
85	54.2	44.5	66.7
99	60.5	49.6	74.4

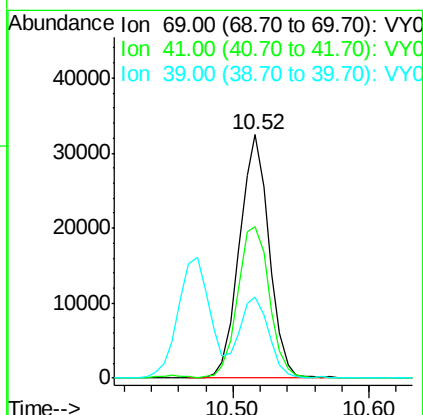
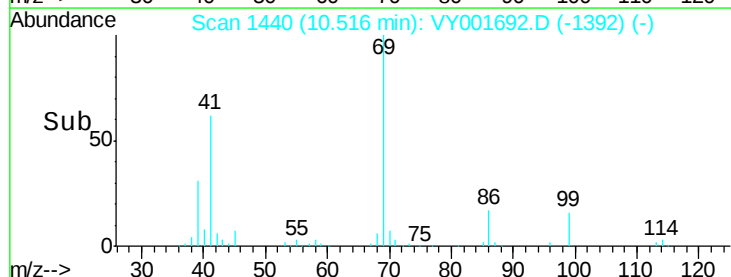
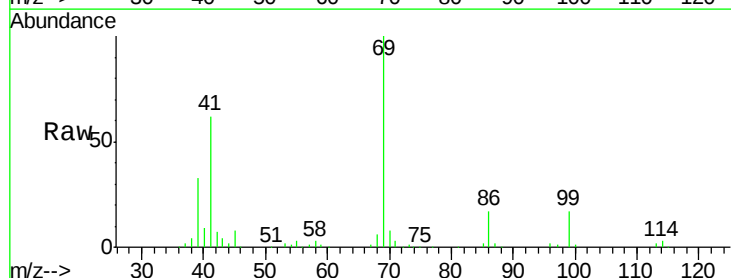
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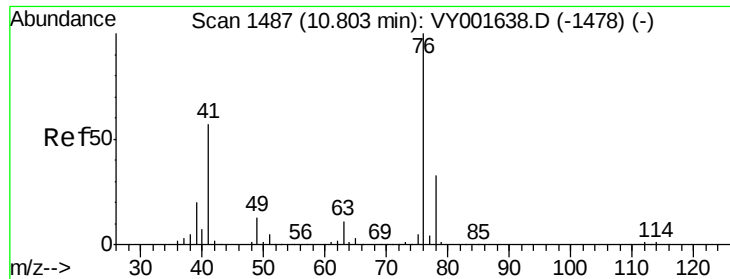
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 2/20/2020 5:56:04 PM



#56
 Ethyl methacrylate
 Concen: 19.809 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion:	69	Resp:	49342
Ion	Ratio	Lower	Upper
69	100		
41	66.6	51.0	76.4
39	34.3	24.7	37.1





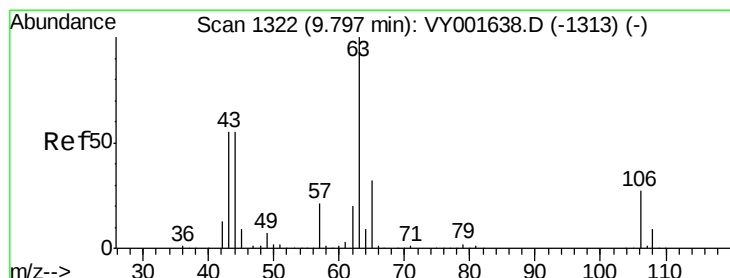
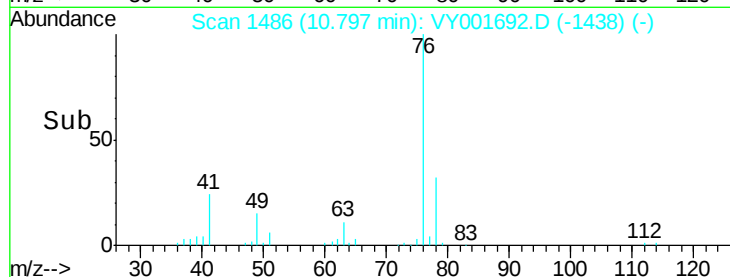
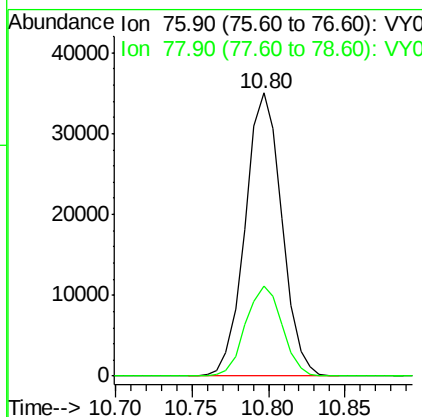
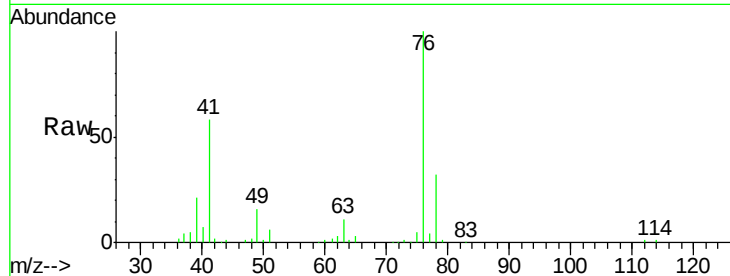
#57
 1,3-Dichloropropane
 Concen: 19.789 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion: 76 Resp: 58381
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

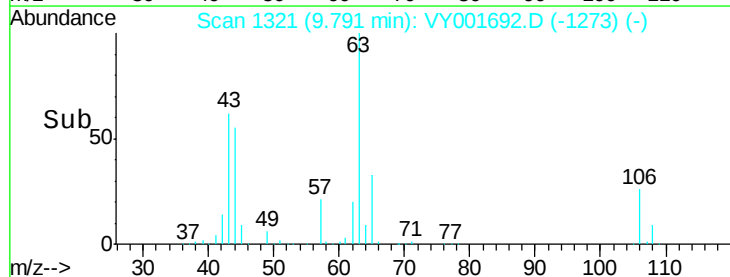
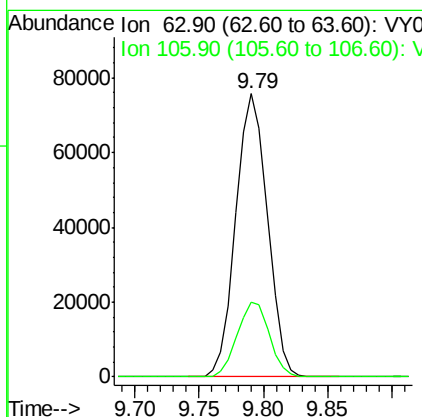
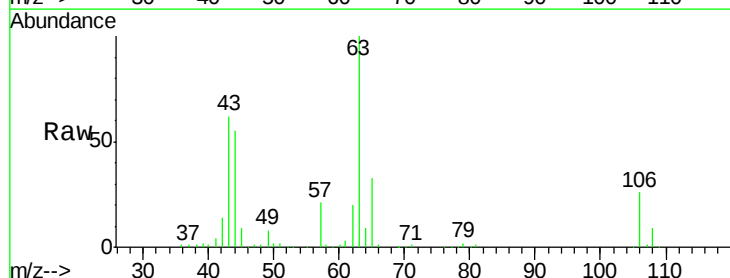
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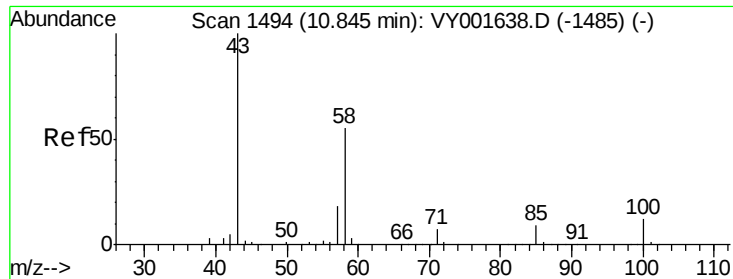
MMDadoda
 2/20/2020 5:56:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.465 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion: 63 Resp: 129046
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.6 32.4





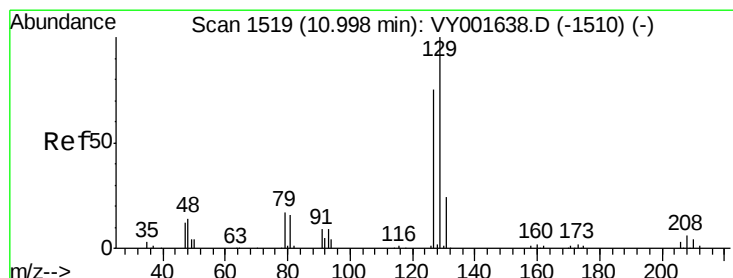
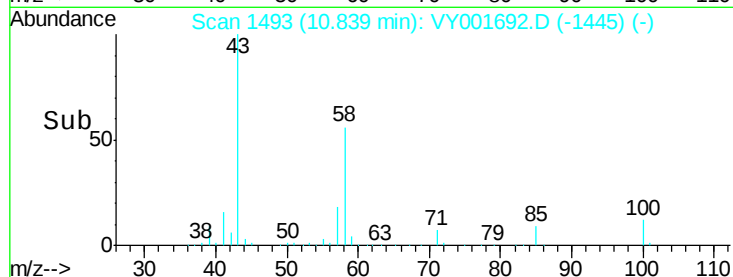
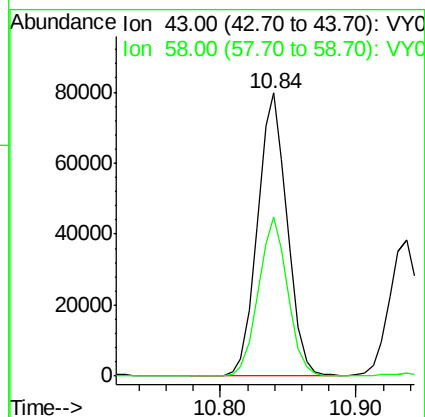
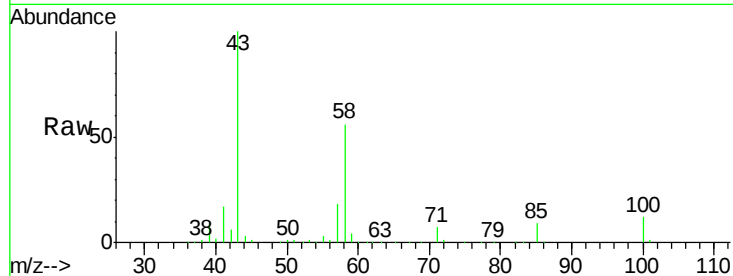
#59
2-Hexanone
Concen: 95.846 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 43 Resp: 122300
Ion Ratio Lower Upper
43 100
58 55.3 28.4 85.2

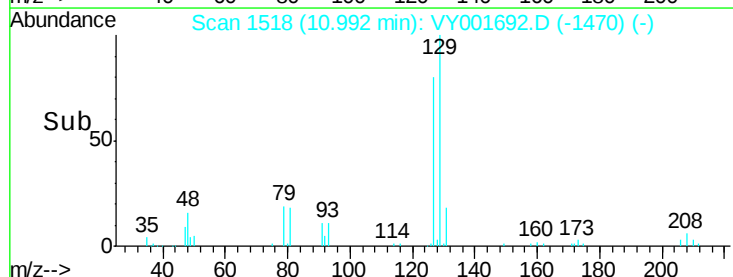
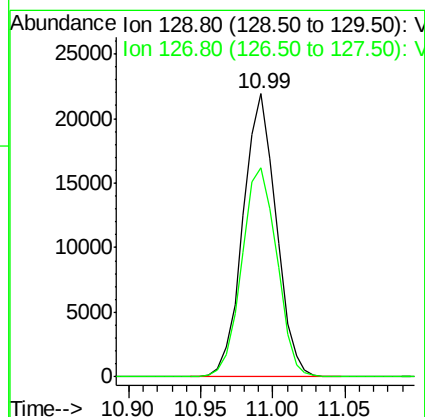
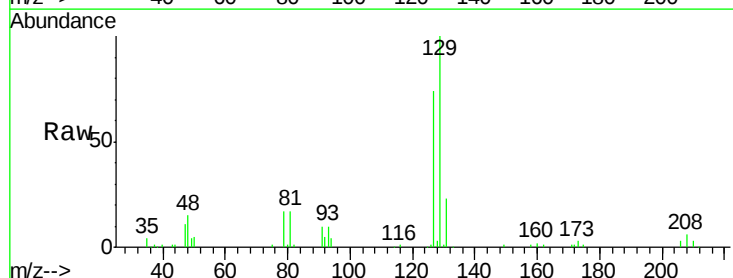
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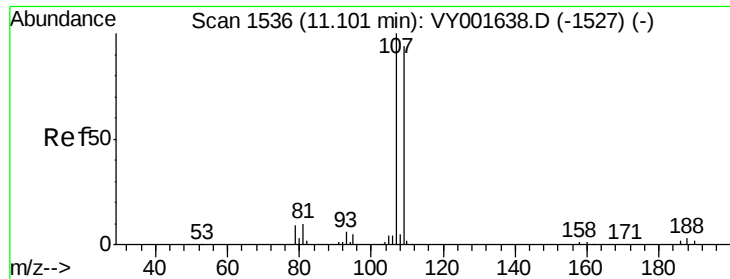
MMDadoda
2/20/2020 5:56:04 PM



#60
Dibromochloromethane
Concen: 19.125 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion: 129 Resp: 35010
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





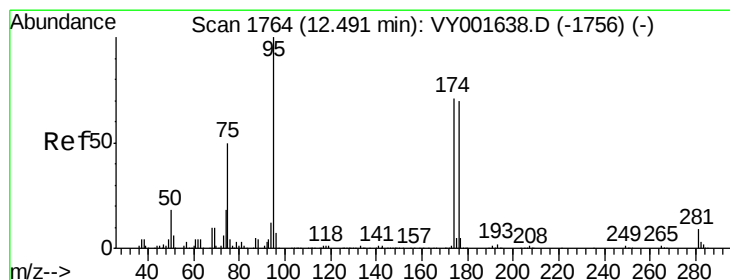
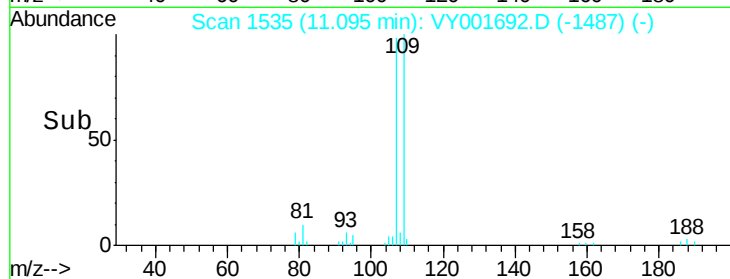
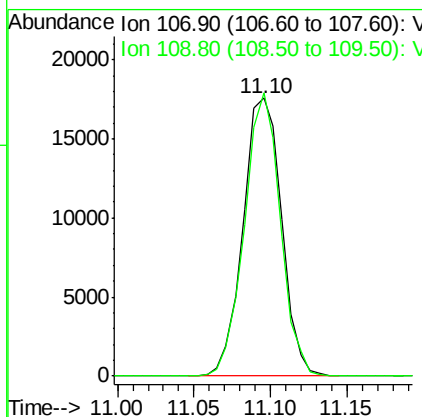
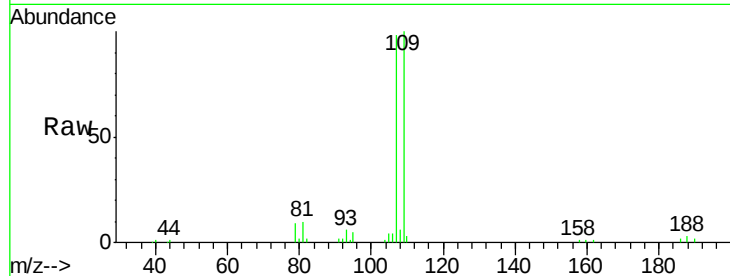
#61
 1,2-Dibromoethane
 Concen: 19.609 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.2	111.4

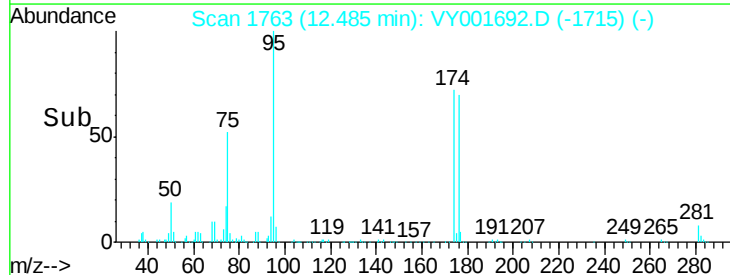
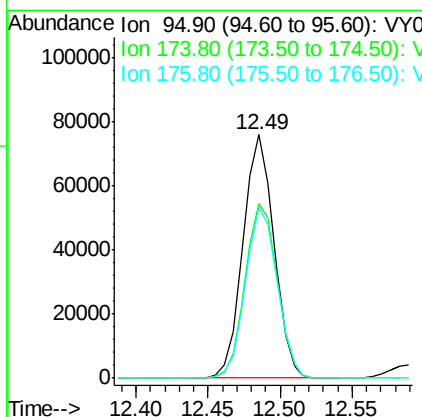
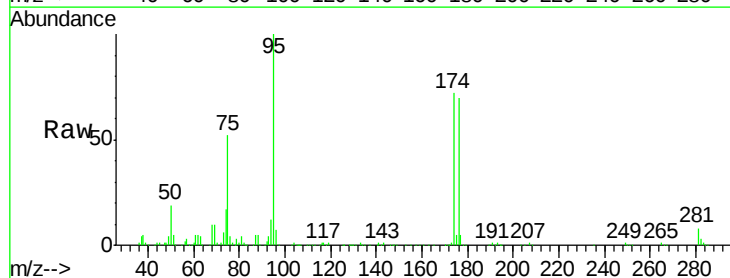
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 42.329 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	138.4
176	71.8	0.0	131.8





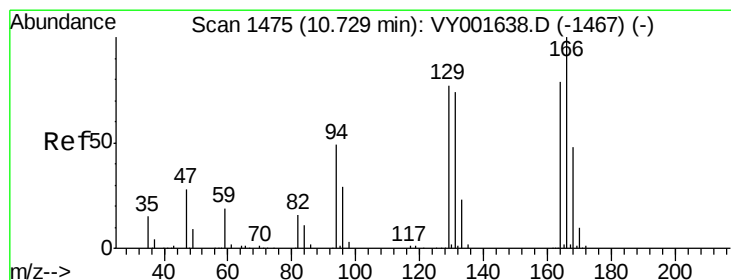
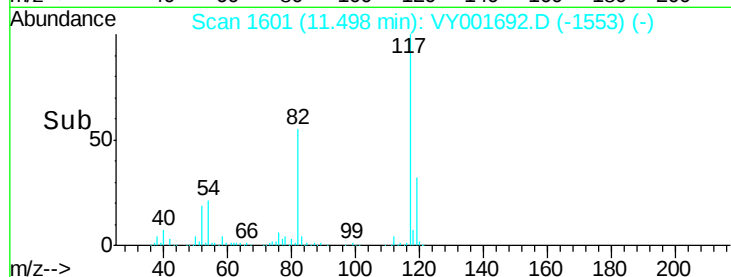
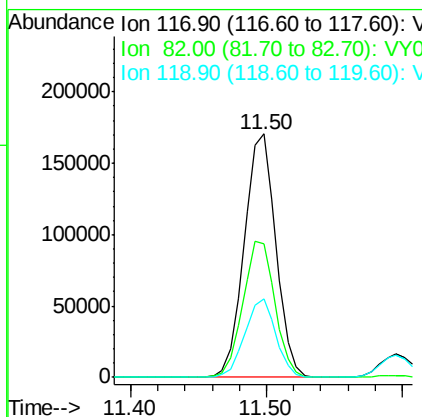
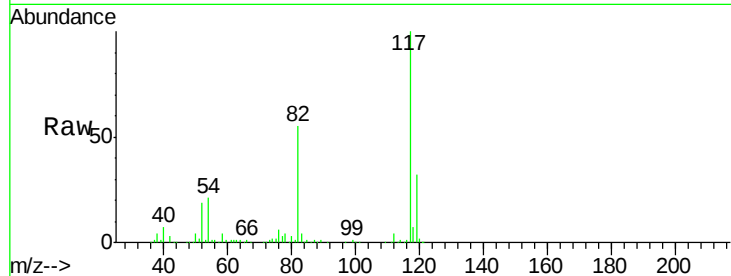
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277097		
82	54.6		45.5	68.3
119	32.0		25.8	38.6

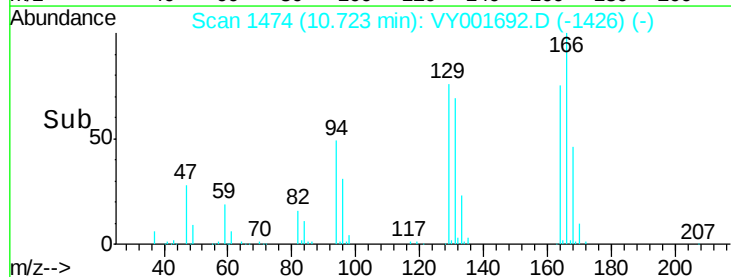
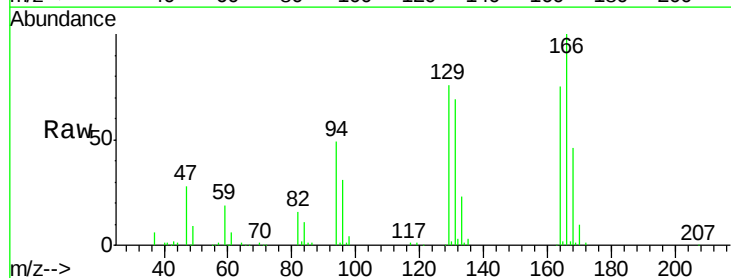
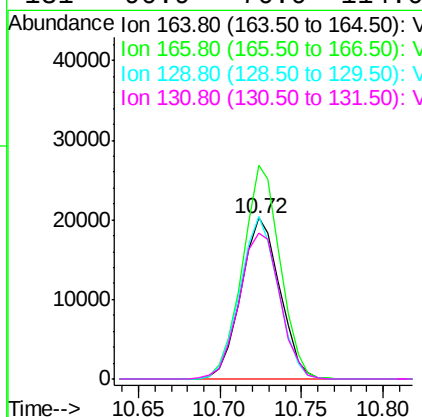
Manual Integrations
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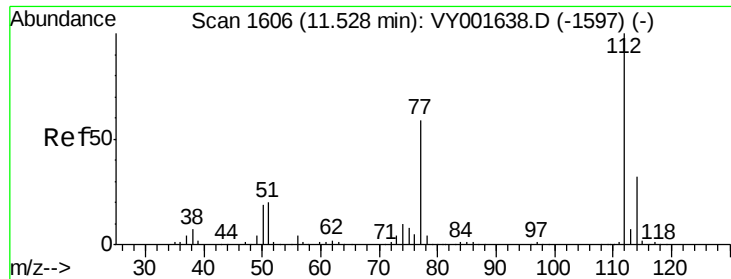
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#64
Tetrachloroethene
Concen: 19.308 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33586		
166	132.6		101.4	152.0
129	101.0		78.7	118.1
131	90.9		76.0	114.0





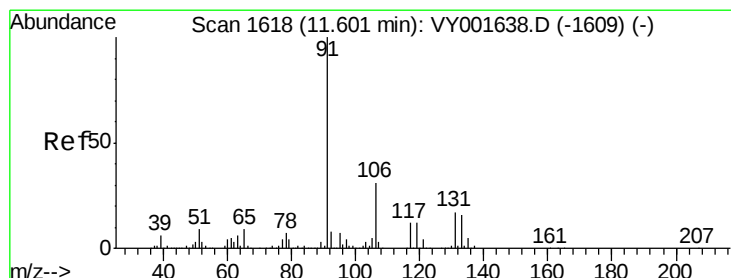
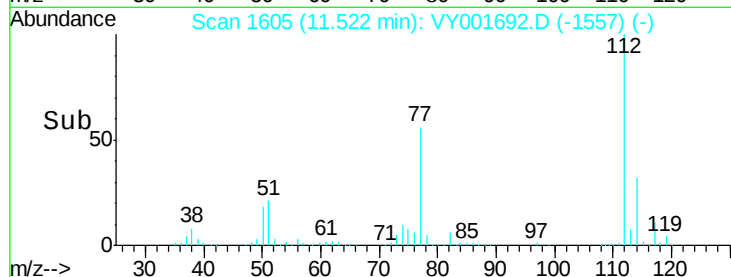
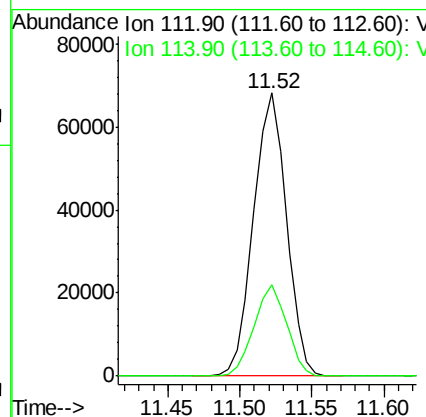
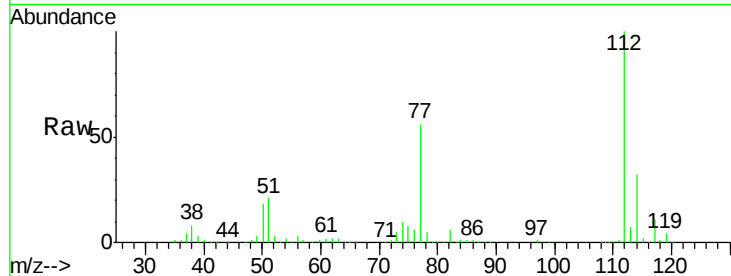
#65
Chlorobenzene
Concen: 19.446 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion:112 Resp: 107579
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

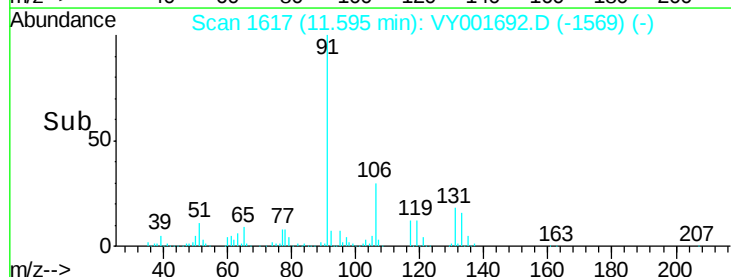
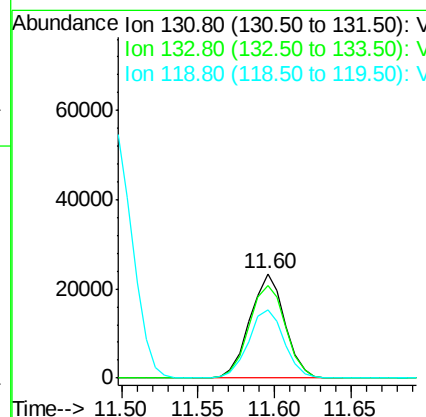
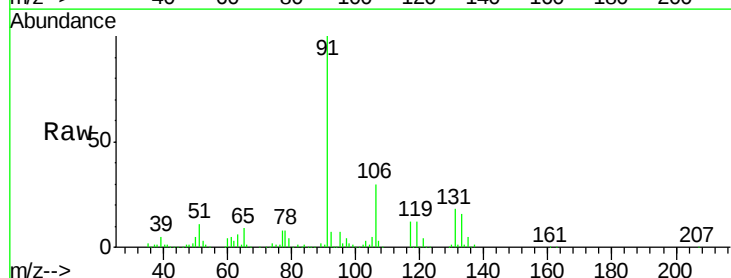
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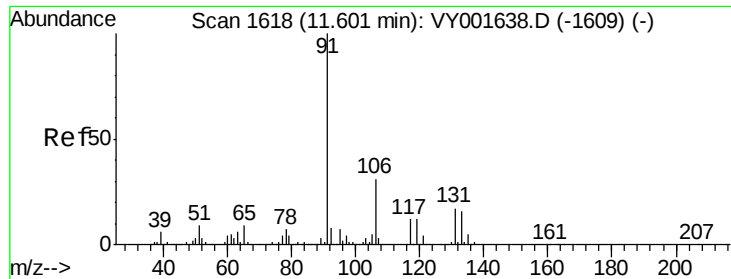
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.936 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion:131 Resp: 37205
Ion Ratio Lower Upper
131 100
133 92.6 47.4 142.2
119 67.0 34.4 103.1





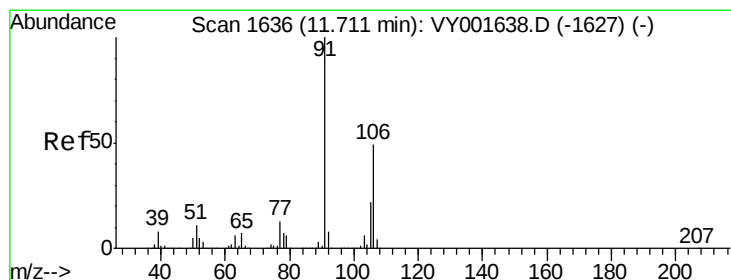
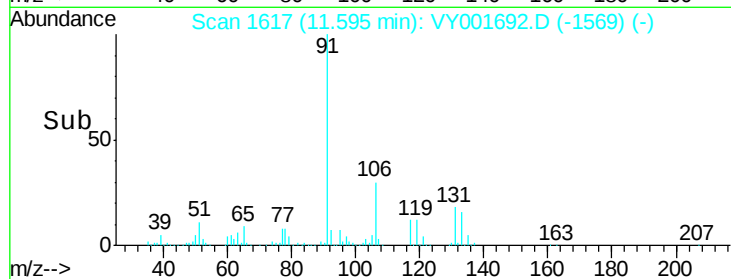
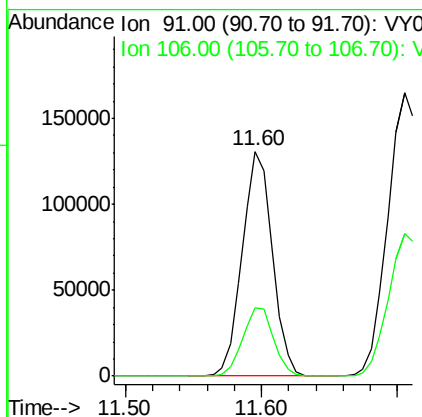
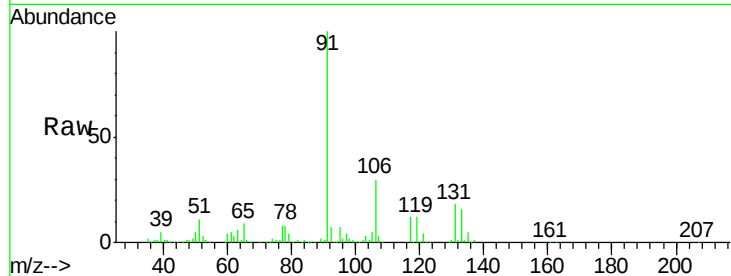
#67
Ethyl Benzene
Concen: 19.742 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 91 Resp: 202679
Ion Ratio Lower Upper
91 100
106 30.2 24.5 36.7

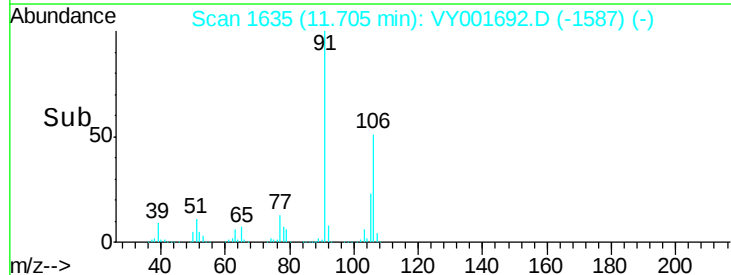
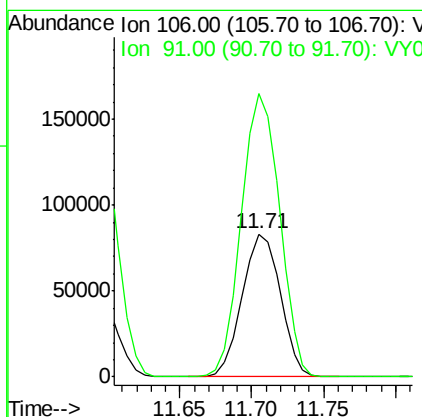
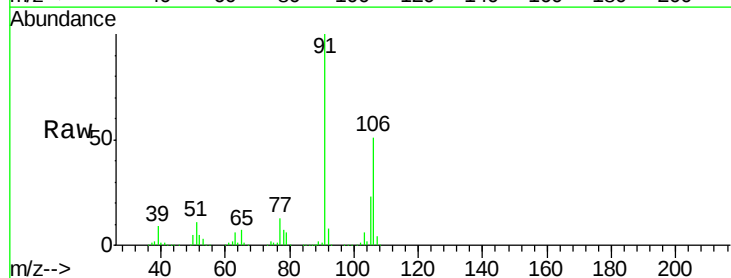
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#68
m/p-Xylenes
Concen: 39.915 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion: 106 Resp: 153072
Ion Ratio Lower Upper
106 100
91 198.8 163.3 244.9





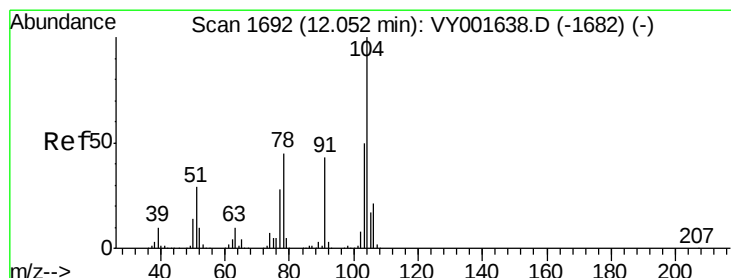
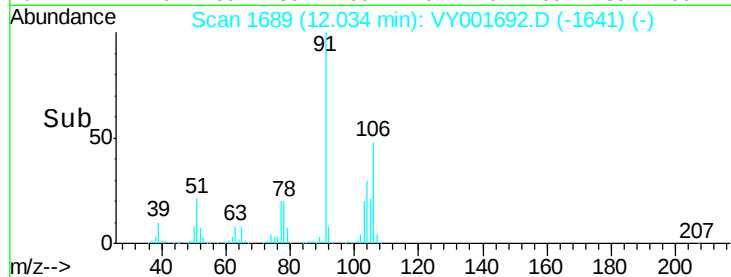
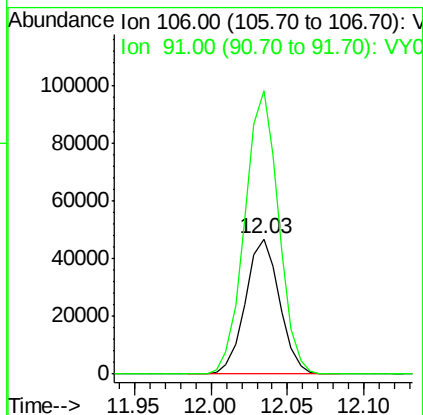
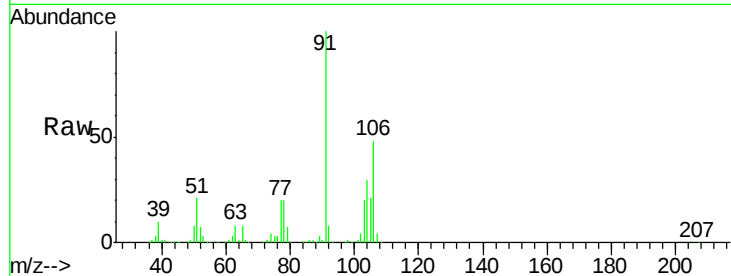
#69
o-Xylene
Concen: 19.797 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion:106 Resp: 72178
Ion Ratio Lower Upper
106 100
91 208.8 108.3 324.9

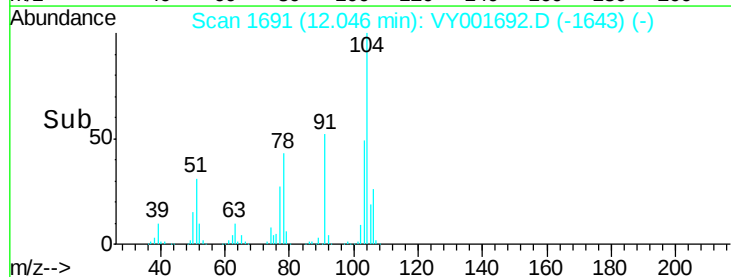
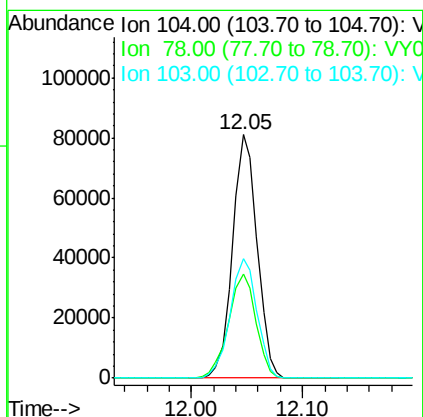
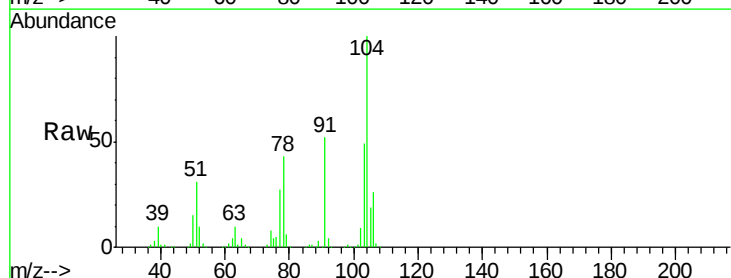
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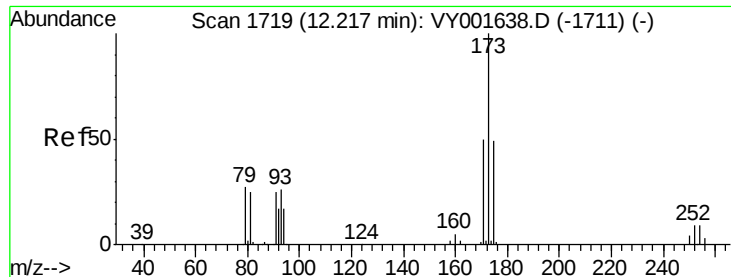
MMDadoda
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#70
Styrene
Concen: 19.570 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion:104 Resp: 124004
Ion Ratio Lower Upper
104 100
78 47.8 39.2 58.8
103 53.7 43.0 64.6





#71

Bromoform

Concen: 19.160 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

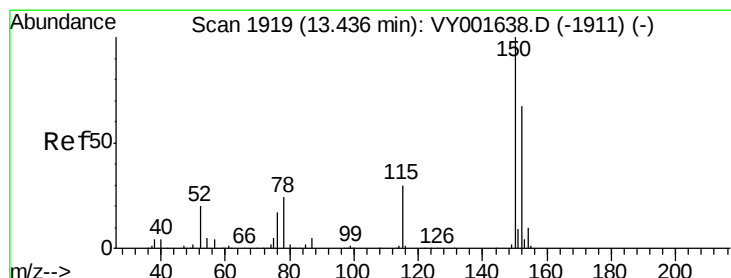
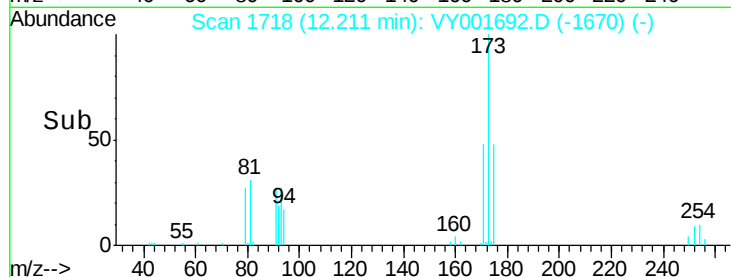
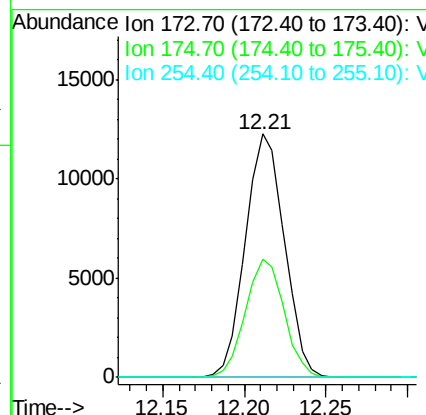
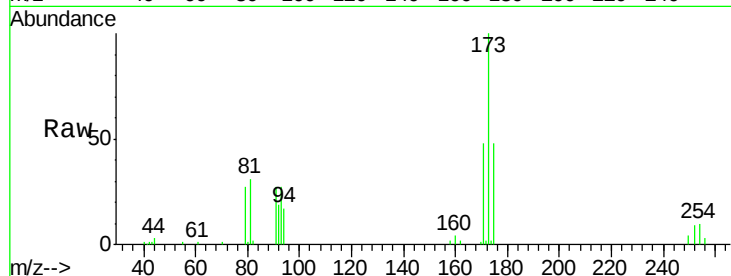
ClientSampleId :

VY0219SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.0	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

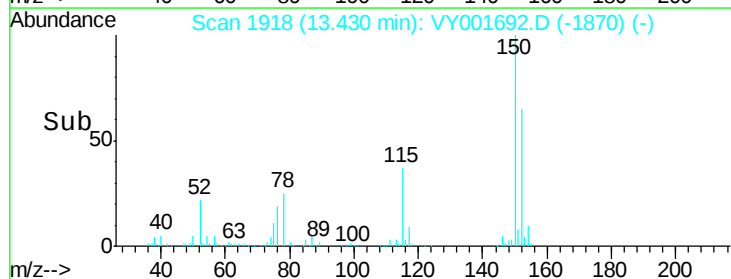
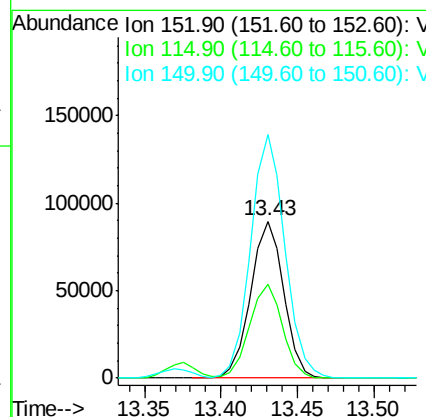
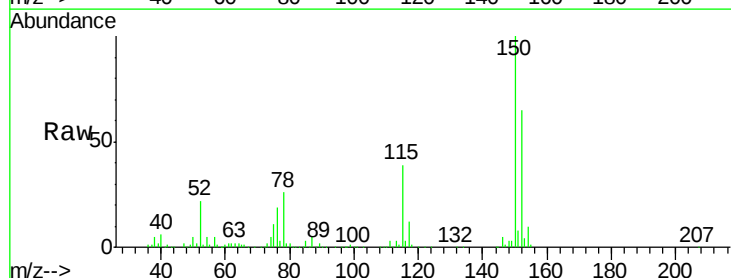
RT: 13.43 min Scan# 1918

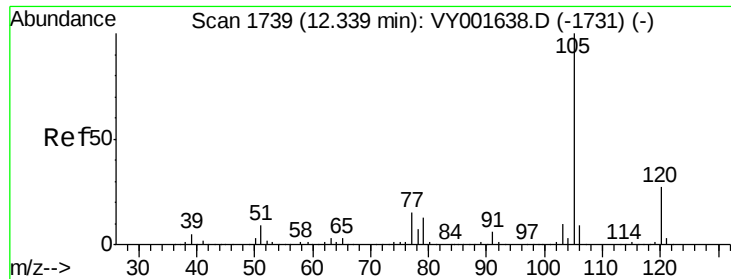
Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	31.4	94.2
150	161.0	0.0	407.2





#73

Isopropylbenzene

Concen: 18.732 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 105 Resp: 191689

Ion Ratio Lower Upper

105 100

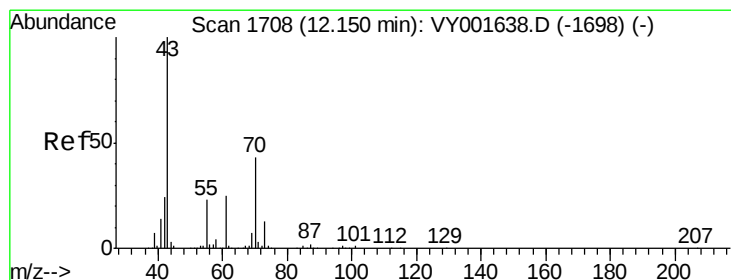
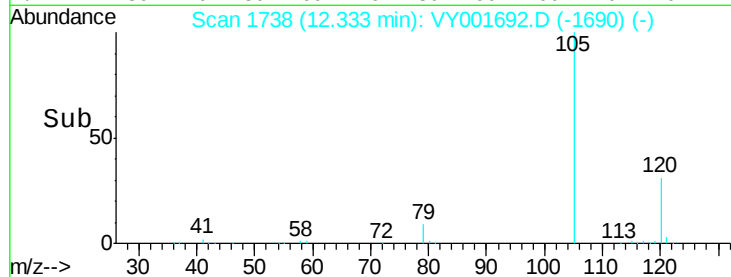
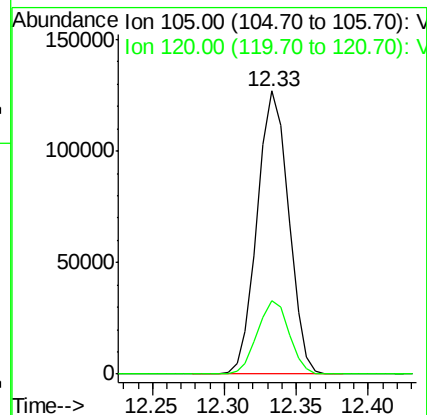
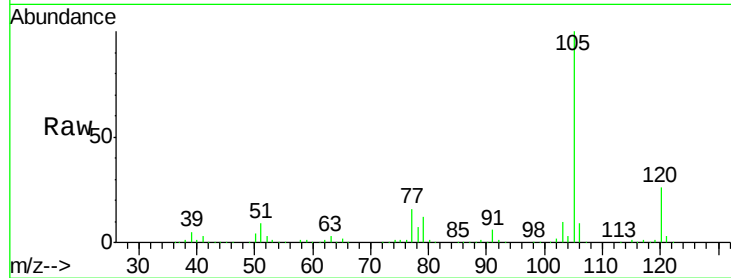
120 26.1 13.4 40.1

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#74

N-ethyl acetate

Concen: 19.015 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion: 43 Resp: 62099

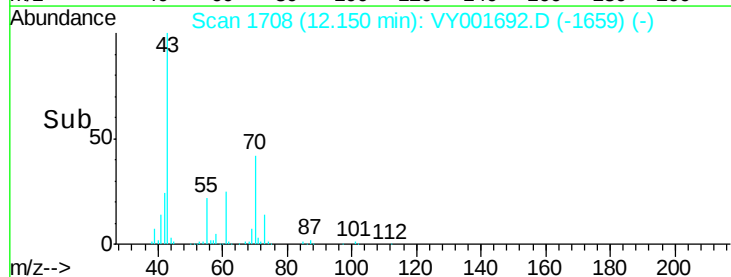
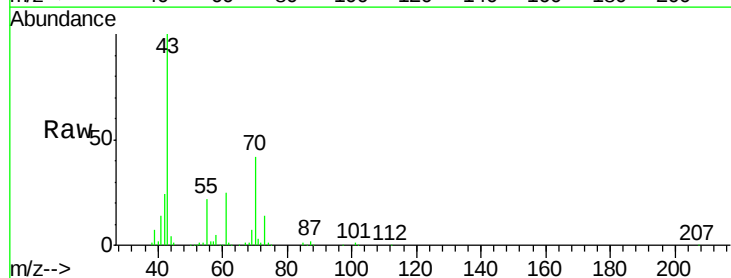
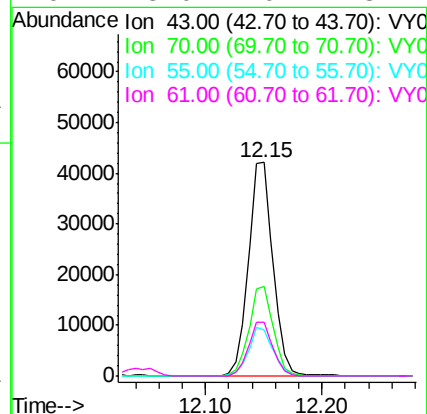
Ion Ratio Lower Upper

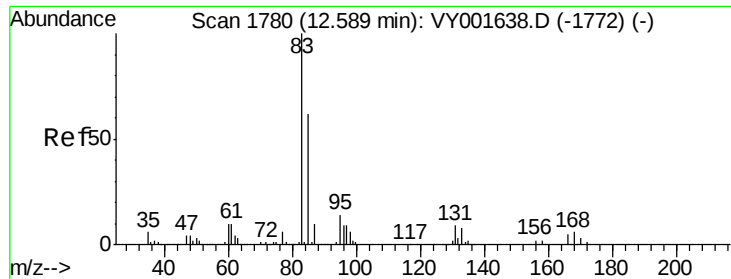
43 100

70 41.7 35.9 53.9

55 22.9 18.3 27.5

61 25.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.193 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

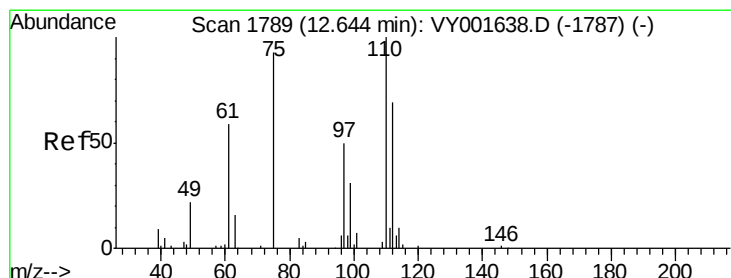
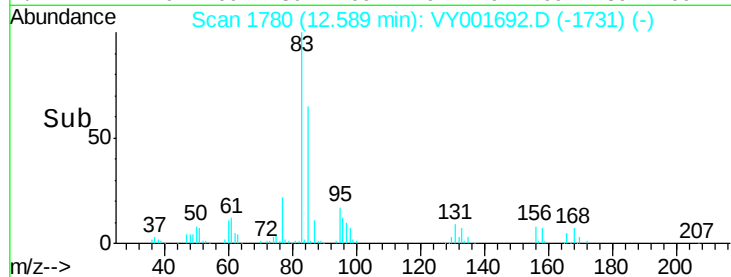
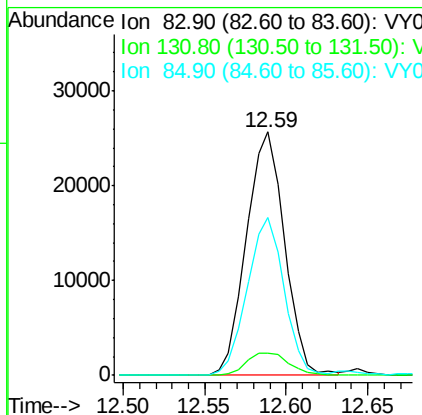
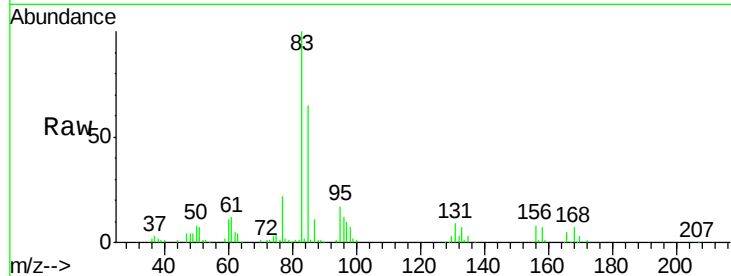
ClientSampleId :

VY0219SBS01

Tot Ion:	83	Resp:	41937
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.7	14.1
85	62.8	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 18.552 ug/l m

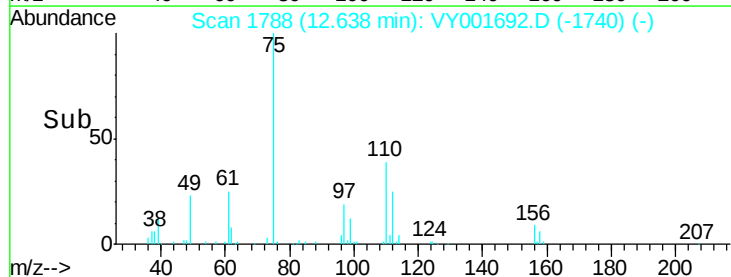
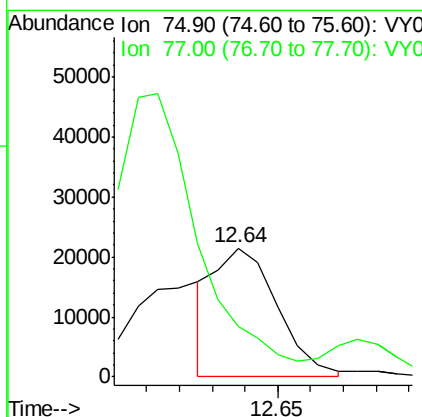
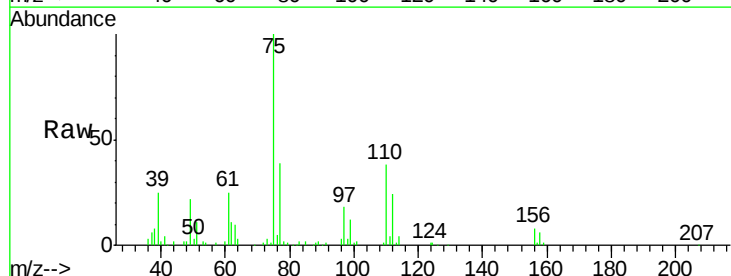
RT: 12.64 min Scan# 1788

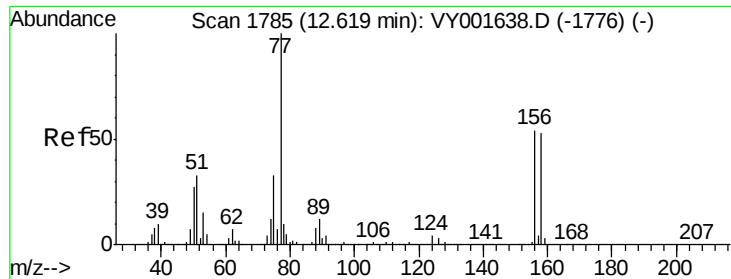
Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion:	75	Resp:	28586
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.883 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion:156 Resp: 41889

Ion Ratio Lower Upper

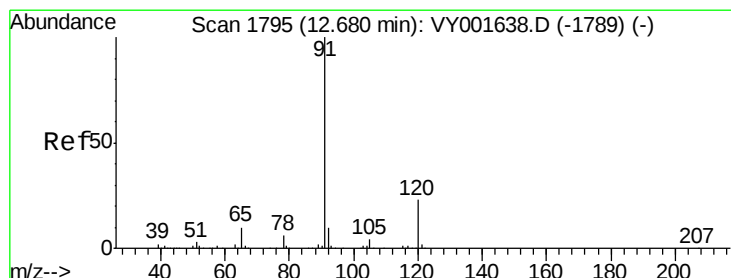
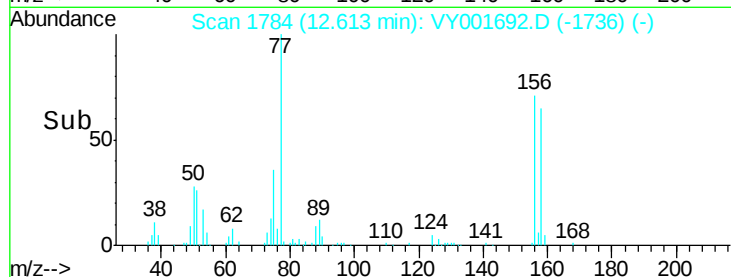
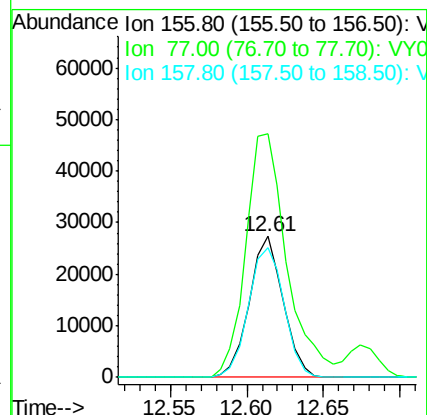
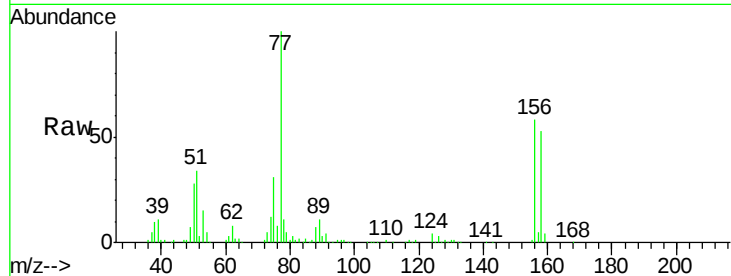
156 100

77 209.6 110.1 330.1

158 96.9 47.9 143.7

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#78

n-propylbenzene

Concen: 19.053 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001692.D

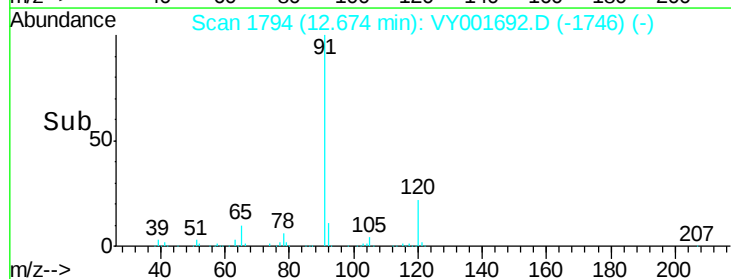
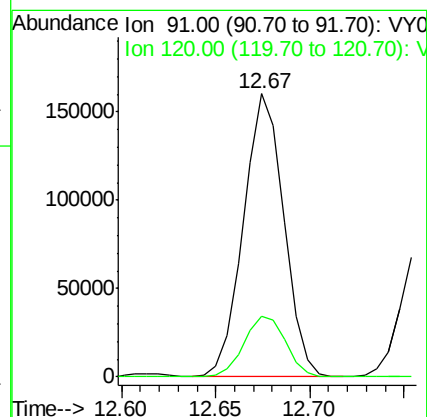
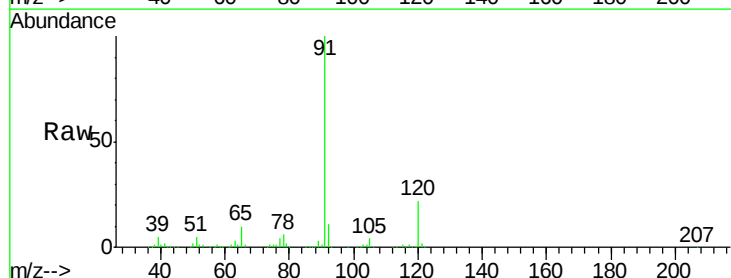
Acq: 19 Feb 2020 11:40

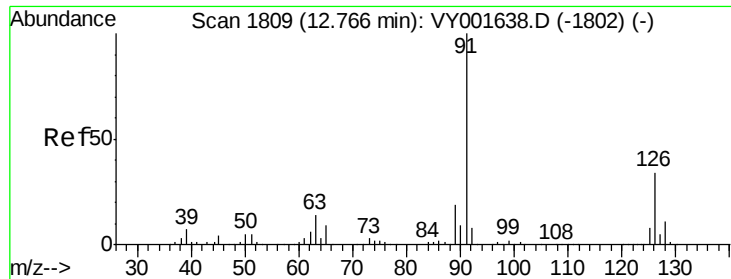
Tgt Ion: 91 Resp: 237464

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.1





#79

2-Chlorotoluene

Concen: 18.746 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 91 Resp: 131034

Ion Ratio Lower Upper

91 100

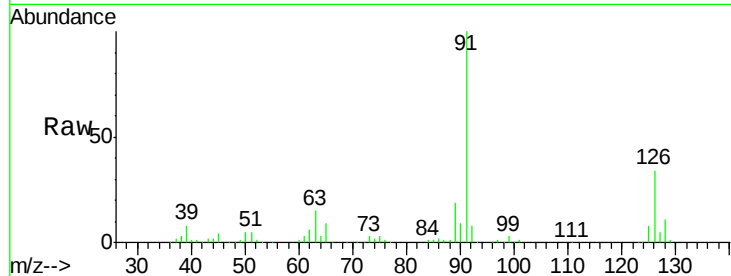
126 33.2 16.2 48.6

Manual Integrations

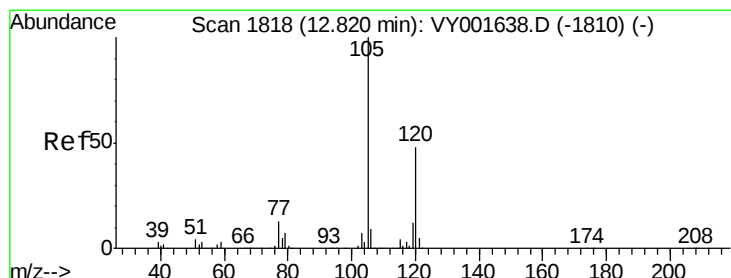
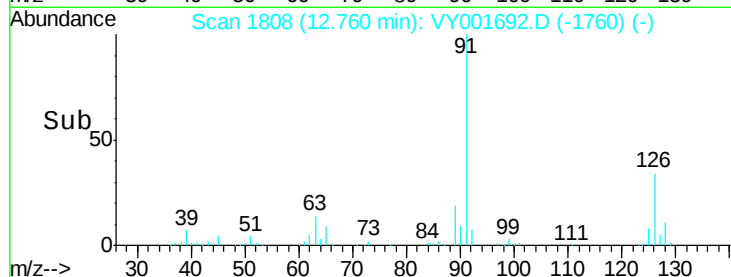
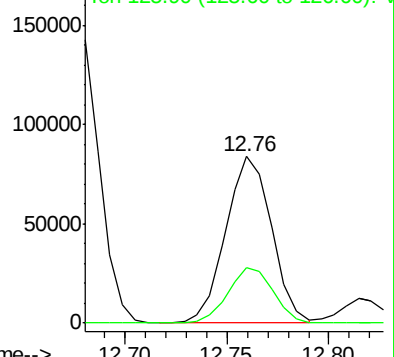
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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.987 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001692.D

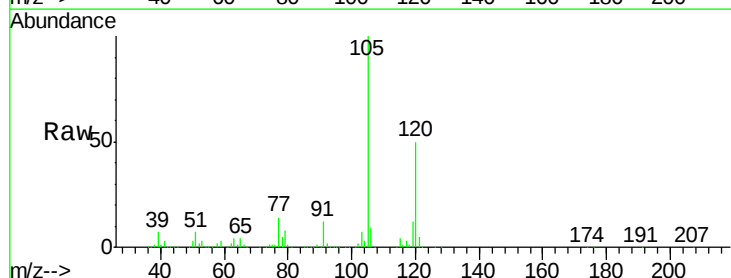
Acq: 19 Feb 2020 11:40

Tgt Ion: 105 Resp: 160837

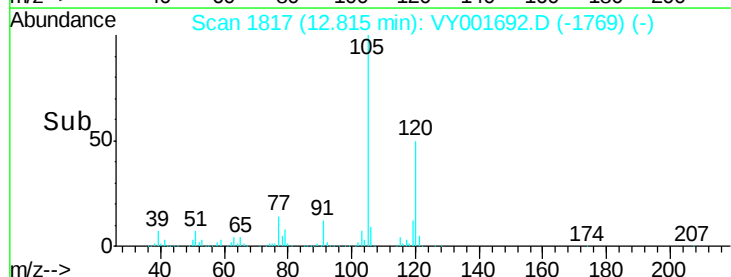
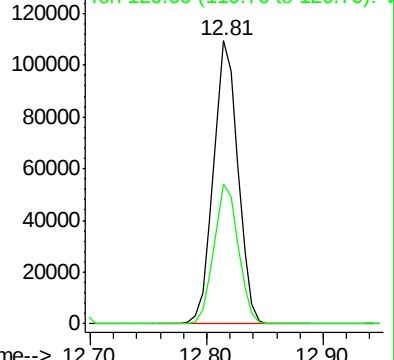
Ion Ratio Lower Upper

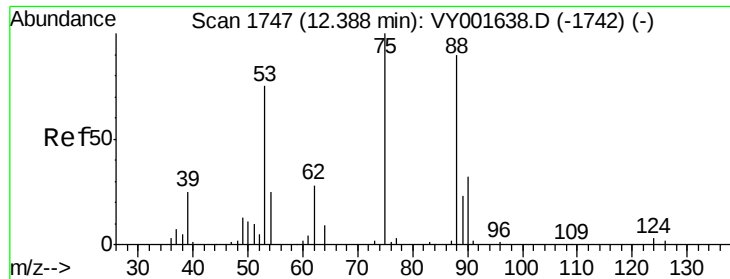
105 100

120 49.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.878 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Instrument :

MSVOA_Y

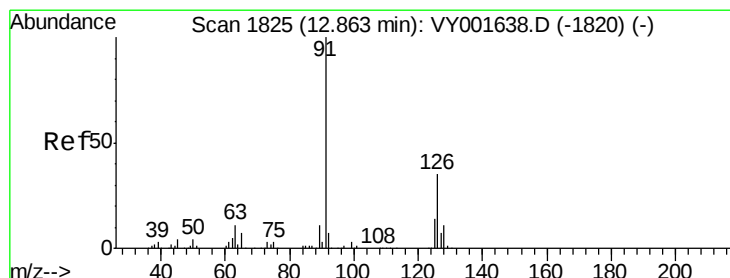
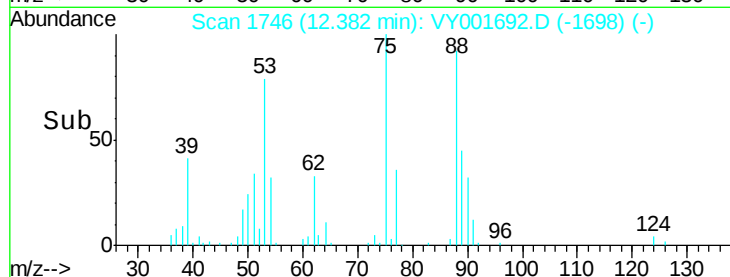
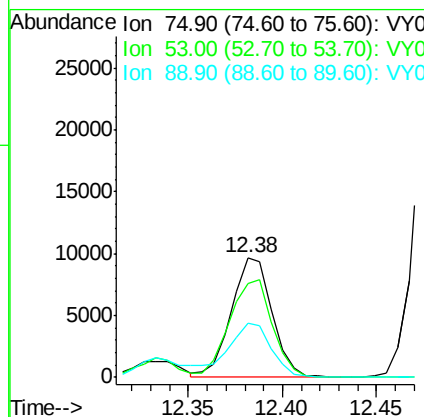
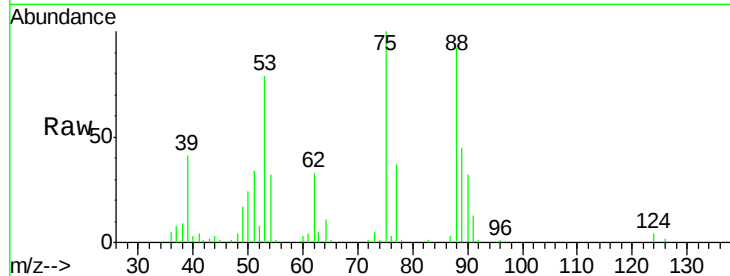
ClientSampleId :

VY0219SBS01

Tot Ion:	75	Resp:	14521
Ion Ratio	Lower	Upper	
75	100		
53	86.8	64.5	96.7
89	49.4	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.627 ug/l

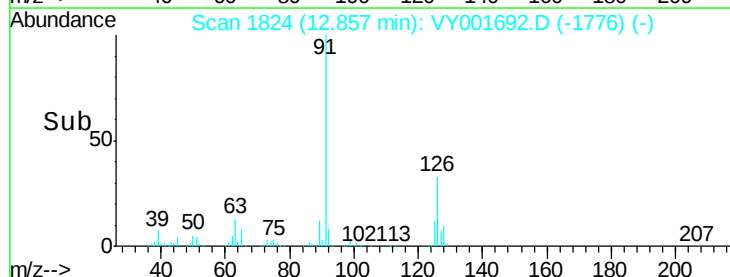
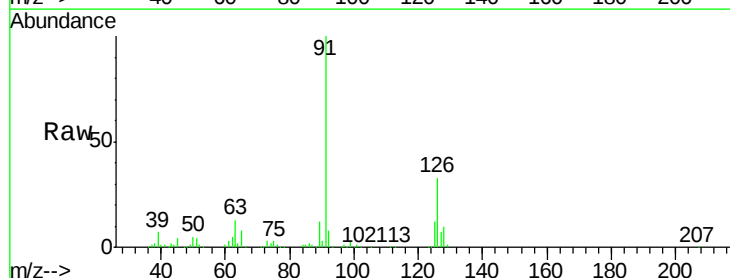
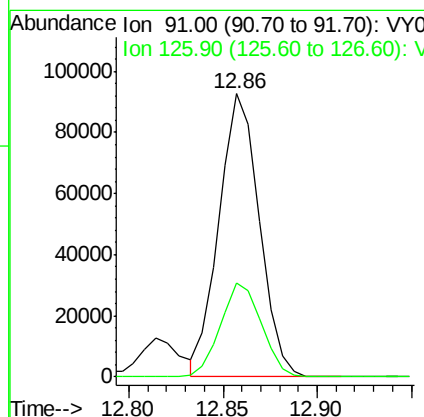
RT: 12.86 min Scan# 1824

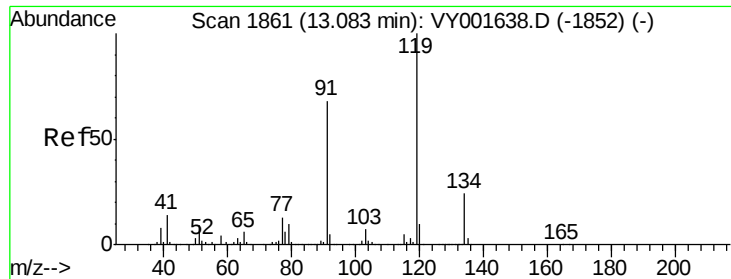
Delta R.T. -0.01 min

Lab File: VY001692.D

Acq: 19 Feb 2020 11:40

Tgt Ion:	91	Resp:	137330
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.2	48.6





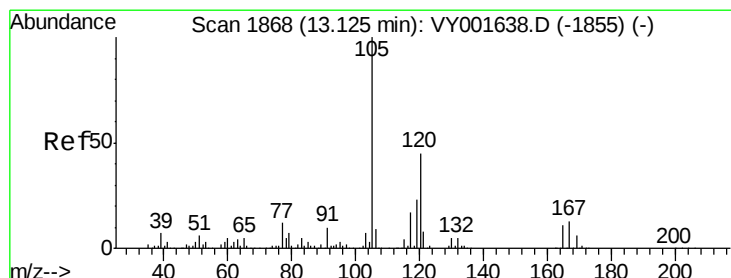
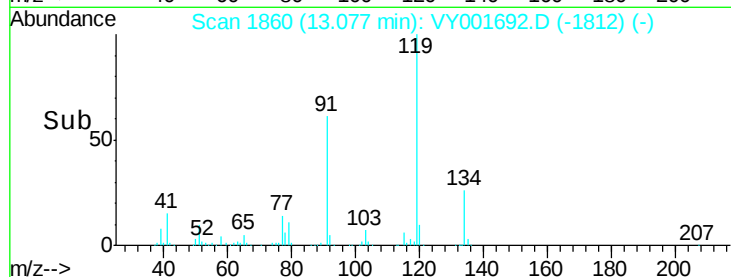
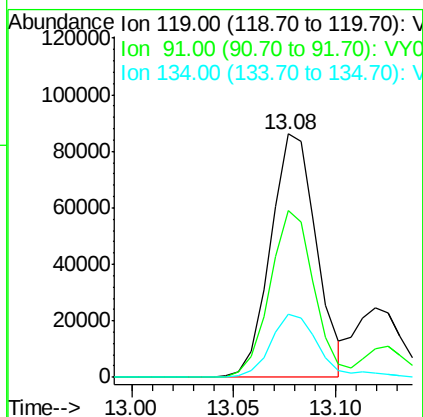
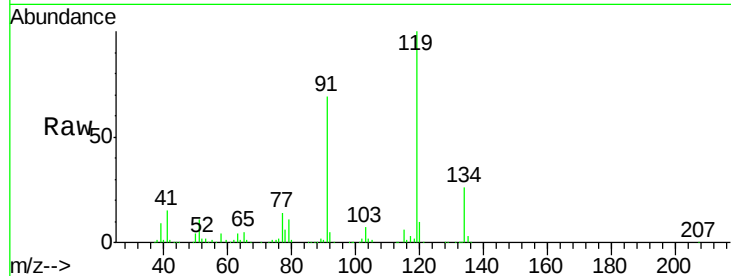
#83
tert-Butylbenzene
Concen: 19.029 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134815		
91	66.3	33.5	100.5	
134	27.5	13.3	39.8	

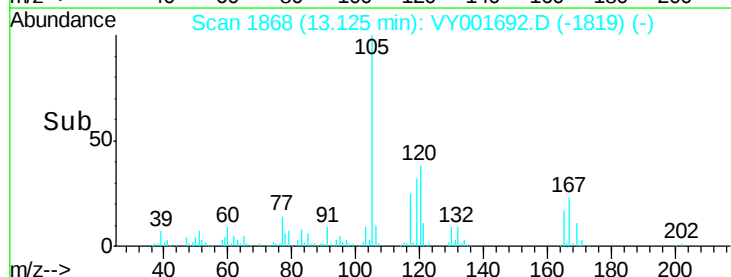
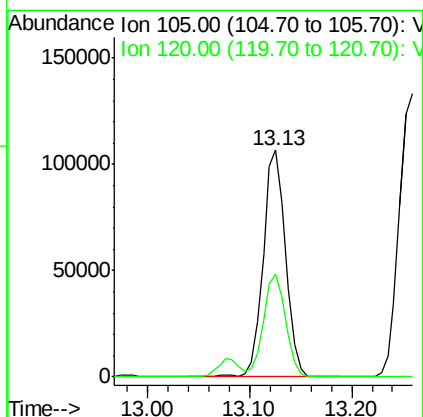
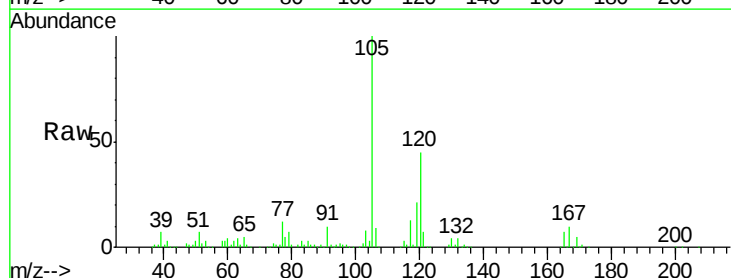
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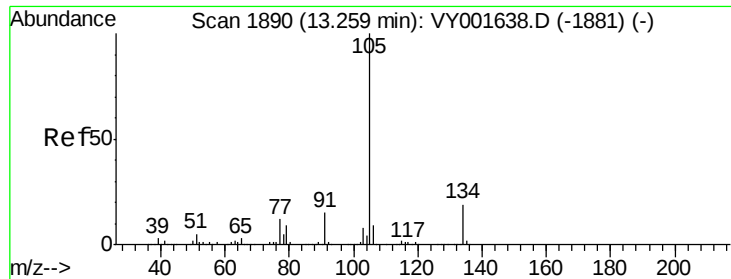
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#84
1,2,4-Trimethylbenzene
Concen: 19.259 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	162646		
120	45.2	22.4	67.3	





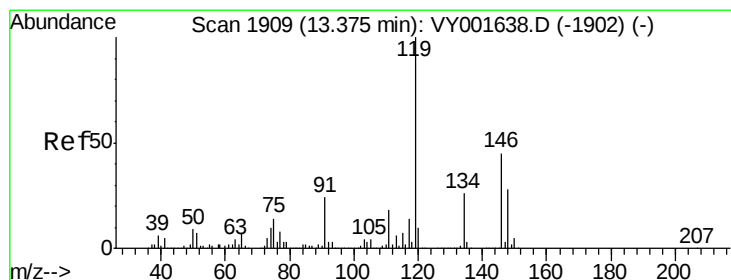
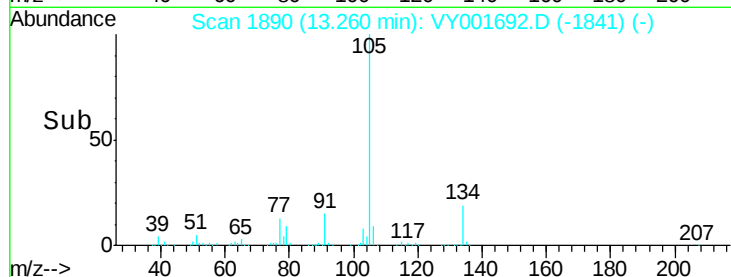
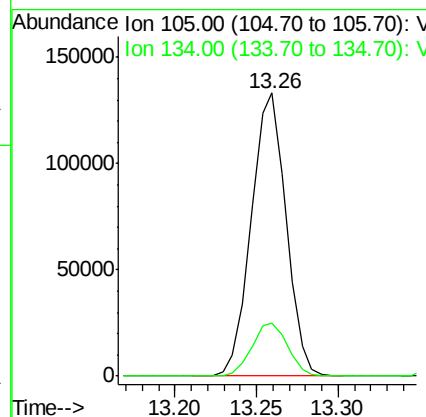
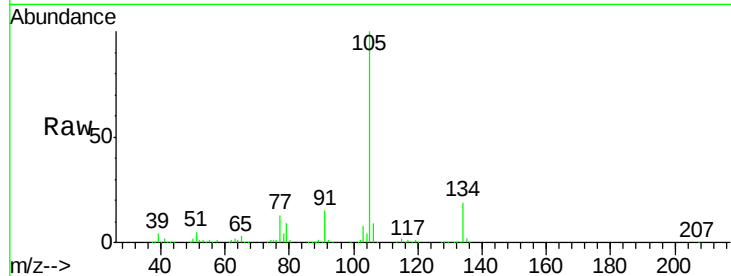
#85
 sec-Butylbenzene
 Concen: 19.017 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	198153		
134	19.3	9.8	29.3	

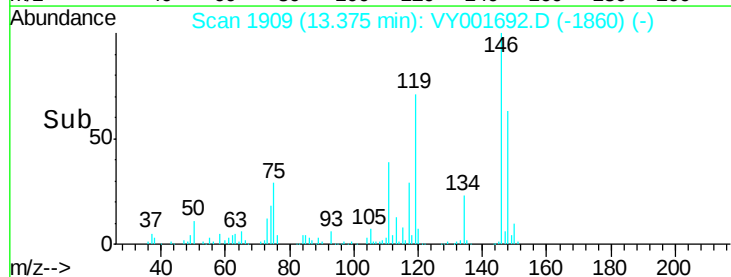
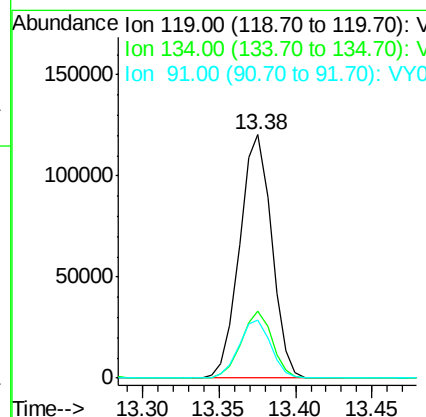
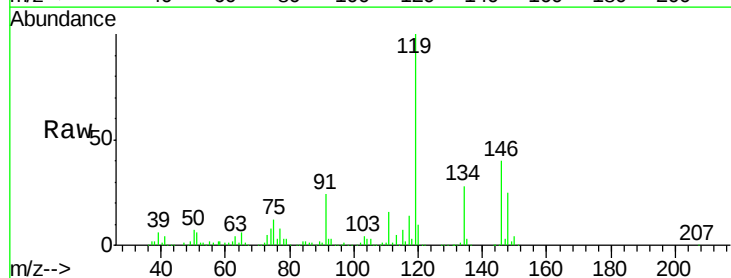
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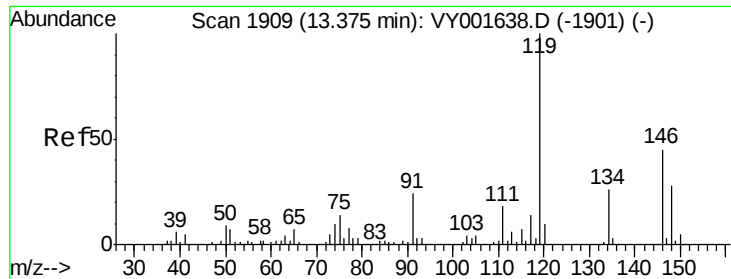
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#86
 p-Isopropyltoluene
 Concen: 19.363 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	175278		
134	26.8	13.0	39.0	
91	23.6	12.2	36.6	





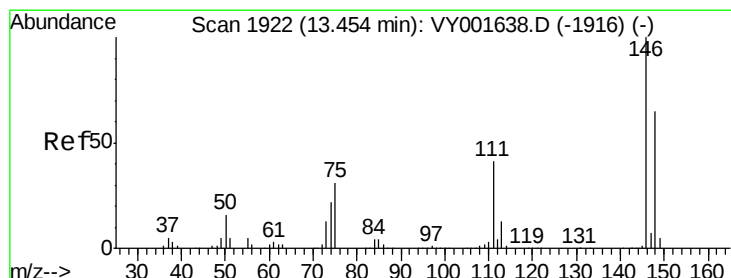
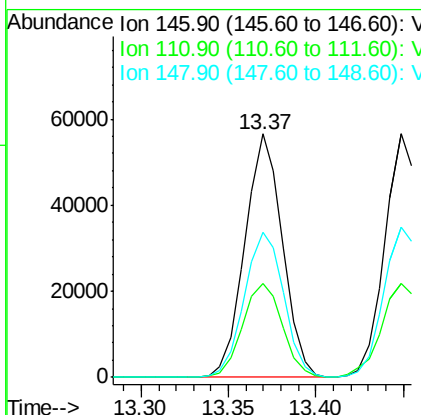
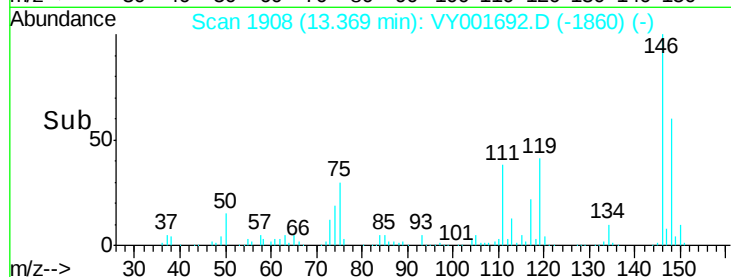
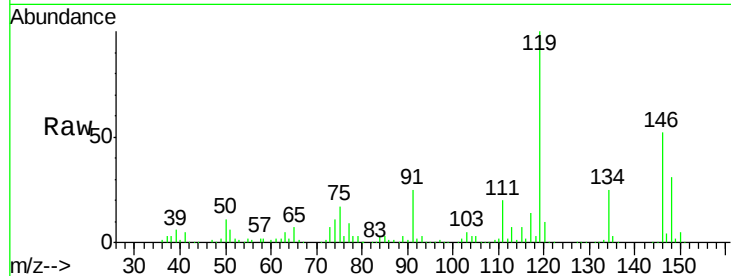
#87
 1,3-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.3
148	62.4	31.6	94.7

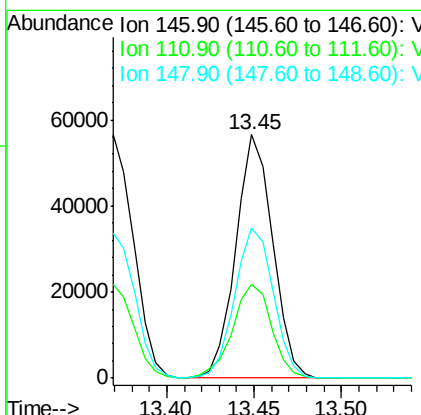
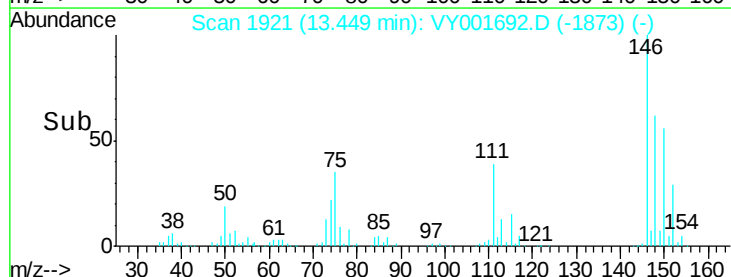
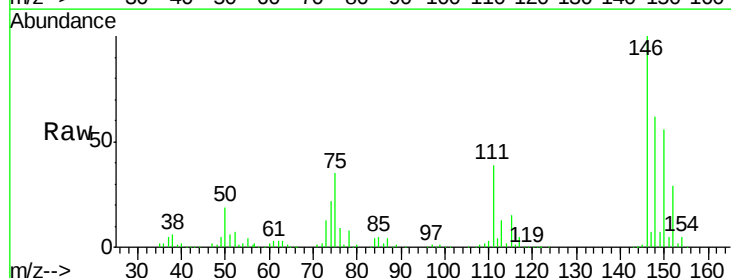
Manual Integrations
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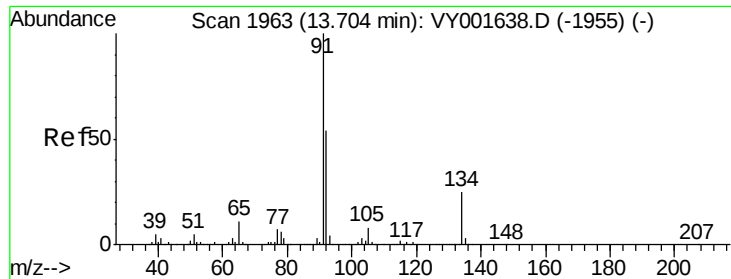
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 2/20/2020 5:56:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.145 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.5	31.6	94.7





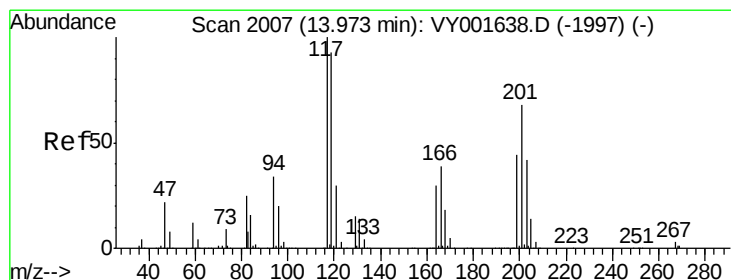
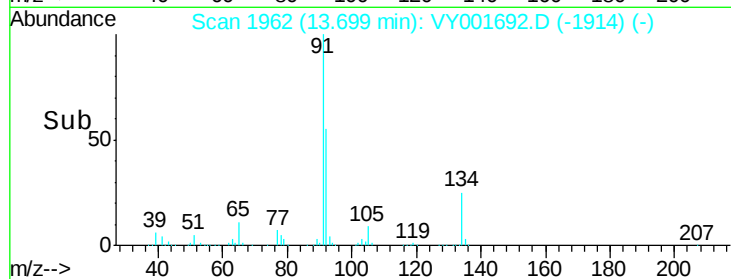
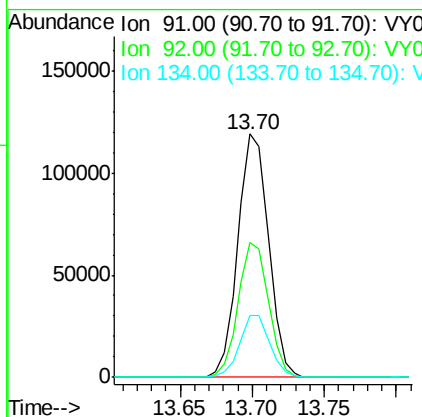
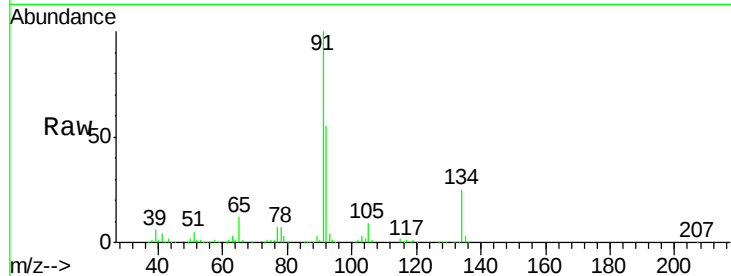
#89
n-Butylbenzene
Concen: 19.099 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	25.1	12.4	37.4

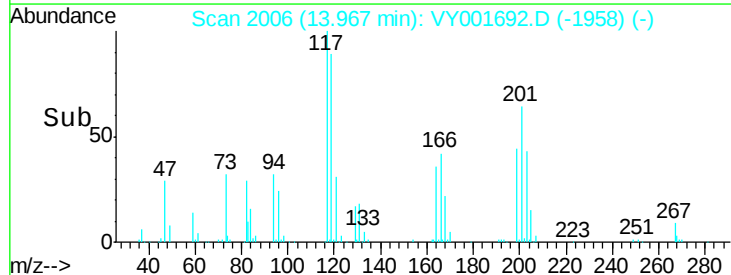
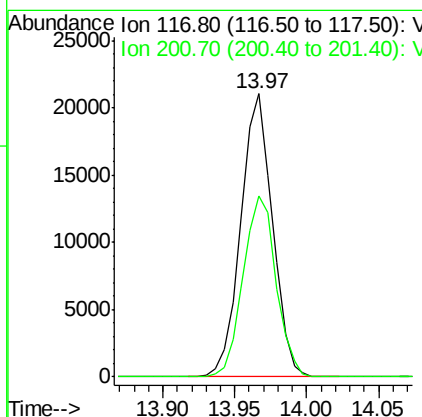
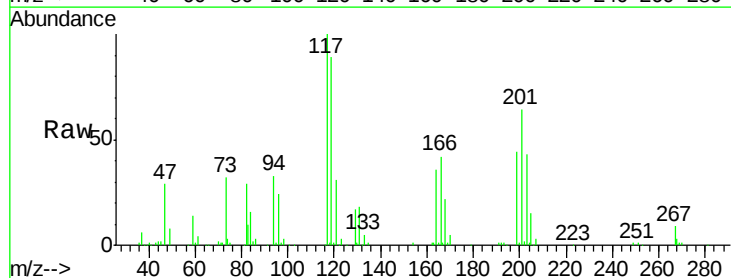
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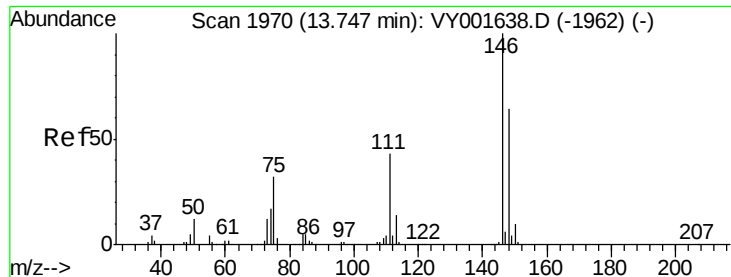
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#90
Hexachloroethane
Concen: 18.731 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.4	32.5	97.4





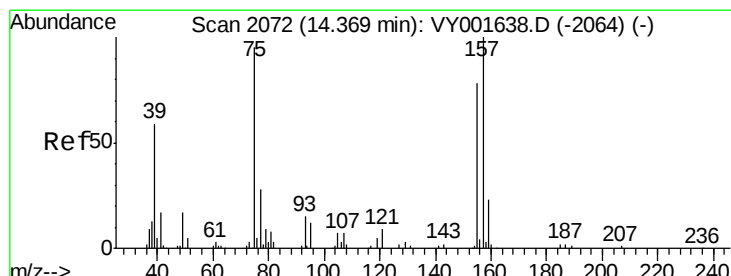
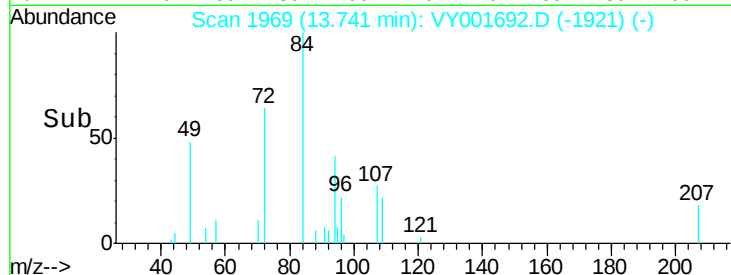
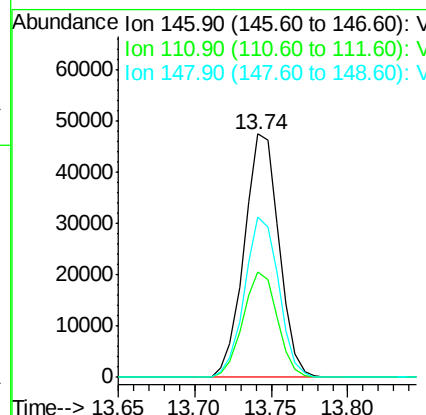
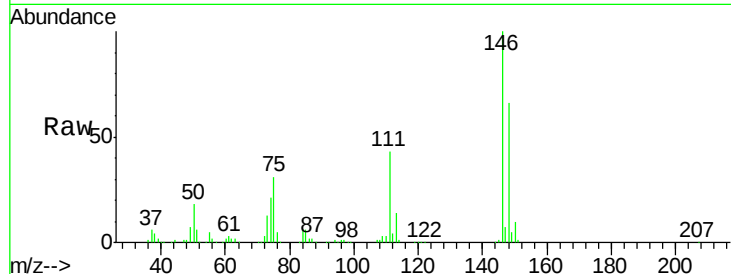
#91
 1,2-Dichlorobenzene
 Concen: 18.793 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.7
148	65.1	31.5	94.5

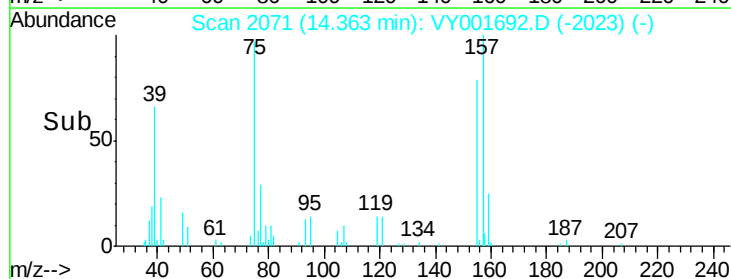
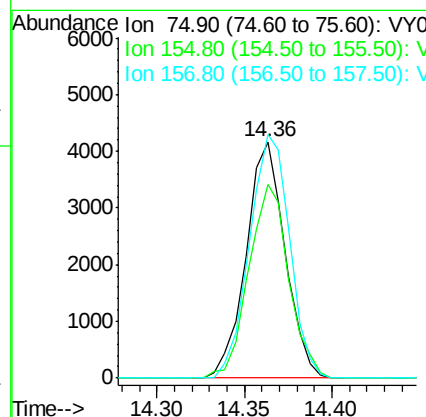
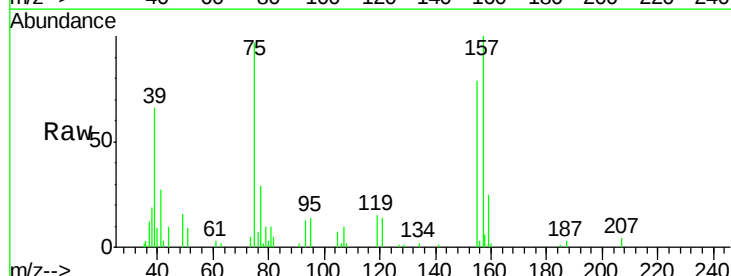
Manual Integrations
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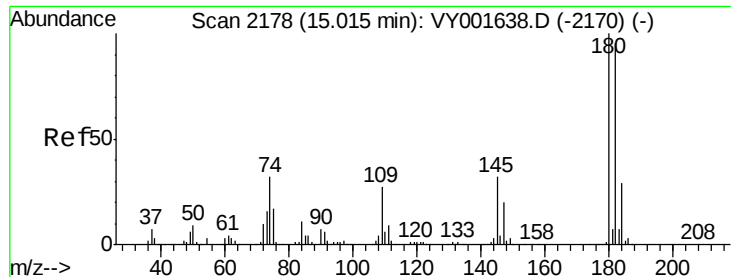
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.862 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001692.D
 Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	40.8	122.4
157	106.3	52.1	156.4





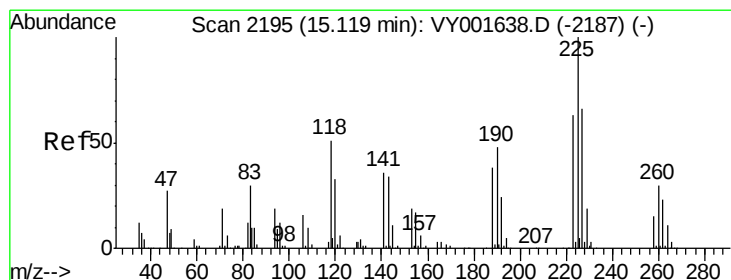
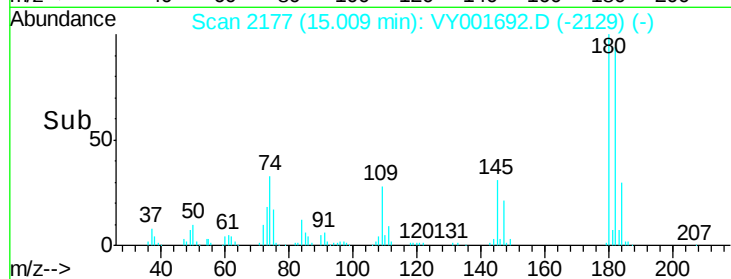
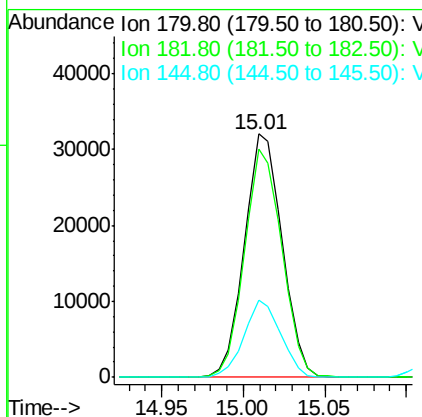
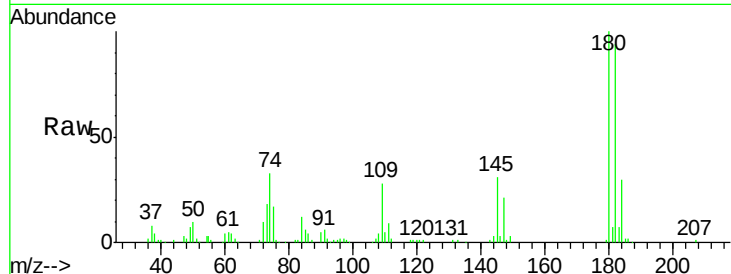
#93
1,2,4-Trichlorobenzene
Concen: 19.607 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.8	140.3
145	31.1	16.2	48.5

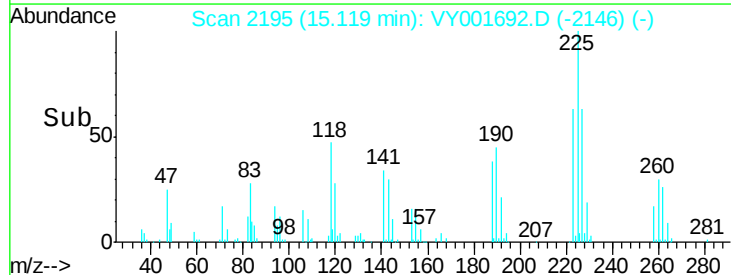
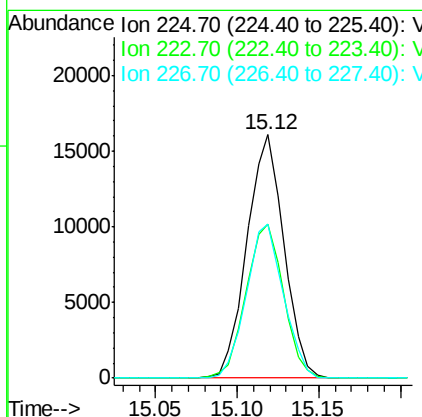
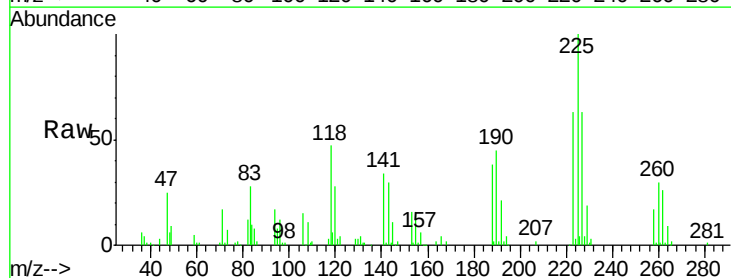
Manual Integrations
APPROVED

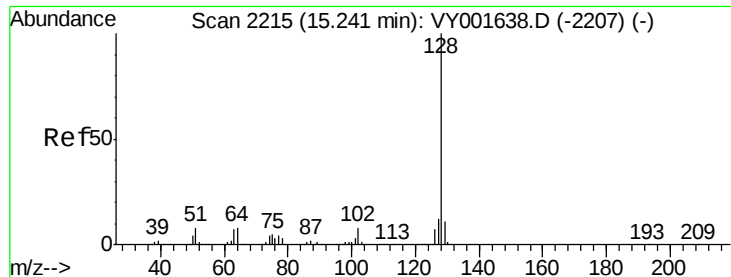
MMDadoda
2/20/2020 5:56:04 PM



#94
Hexachlorobutadiene
Concen: 19.414 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.0
227	63.7	31.6	94.8





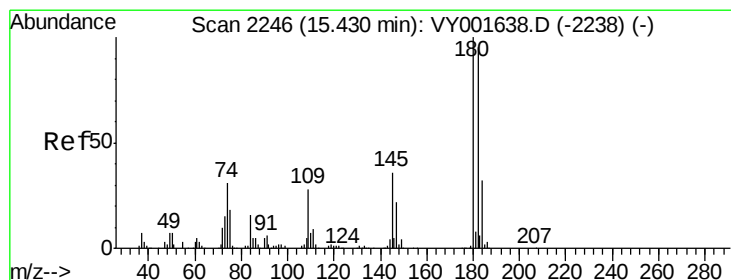
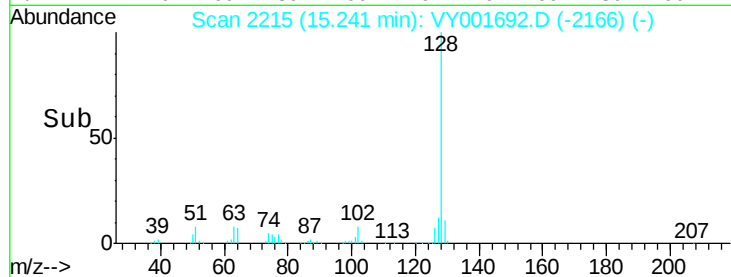
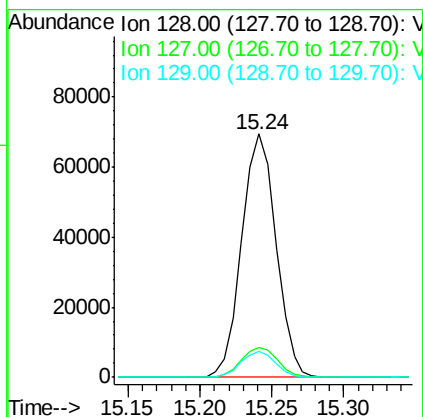
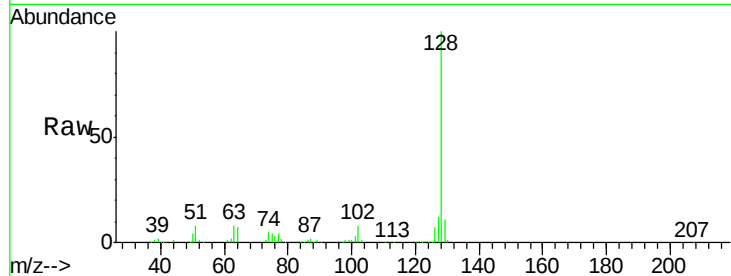
#95
Naphthalene
Concen: 18.953 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	114982		
127	12.8		9.9	14.9
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:56:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.216 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001692.D
Acq: 19 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44481		
182	95.4		47.2	141.6
145	32.2		17.3	52.0

