

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001147.D
 Acq On : 10 Jan 2020 14:40
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 1/13/2020 12:38:51 PM

Quant Time: Jan 10 15:39:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	386059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	45527	22.96	ug/l	0.00
Spiked Amount			Recovery	=	45.92%	
35) Dibromofluoromethane	7.73	113	46939	21.33	ug/l	0.00
Spiked Amount			Recovery	=	42.66%	
50) Toluene-d8	10.18	98	160142	19.53	ug/l	0.00
Spiked Amount			Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.48	95	75261	23.85	ug/l	0.00
Spiked Amount			Recovery	=	47.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	37761	22.989	ug/l	99
3) Chloromethane	2.12	50	53494	39.104	ug/l	100
4) Vinyl Chloride	2.25	62	55282	39.398	ug/l	98
5) Bromomethane	2.65	94	27860	29.489	ug/l	94
6) Chloroethane	2.79	64	30800	33.563	ug/l	96
7) Trichlorofluoromethane	3.13	101	74182	22.884	ug/l	99
8) Diethyl Ether	3.53	74	29111	24.478	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48119	23.537	ug/l	99
10) Methyl Iodide	4.10	142	64964	20.954	ug/l	99
11) Tert butyl alcohol	4.96	59	24872	129.328	ug/l	98
12) 1,1-Dichloroethene	3.88	96	49260	23.455	ug/l	99
13) Acrolein	3.74	56	24083	133.327	ug/l	100
14) Allyl chloride	4.49	41	81913	33.214	ug/l	99
15) Acrylonitrile	5.18	53	73366	140.982	ug/l	98
16) Acetone	3.96	43	54199	138.562	ug/l	99
17) Carbon Disulfide	4.20	76	159569	25.179	ug/l	99
18) Methyl Acetate	4.49	43	37885	31.148	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	133240	25.516	ug/l	99
20) Methylene Chloride	4.72	84	65502	26.557	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	55666	23.704	ug/l	98
22) Diisopropyl ether	6.13	45	162213	32.014	ug/l	99
23) Vinyl Acetate	6.07	43	541220	168.902	ug/l	100
24) 1,1-Dichloroethane	6.03	63	91234	27.534	ug/l	98
25) 2-Butanone	7.00	43	90338	141.353	ug/l	98
26) 2,2-Dichloropropane	6.99	77	81341	23.078	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	61224	22.125	ug/l	97
28) Bromochloromethane	7.35	49	31697	24.287	ug/l	98
29) Tetrahydrofuran	7.36	42	62257	144.040	ug/l	99
30) Chloroform	7.52	83	88190	22.153	ug/l	98
31) Cyclohexane	7.79	56	95536	24.763	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	78425	21.373	ug/l	100
36) 1,1-Dichloropropene	7.93	75	75001	22.243	ug/l	99
37) Ethyl Acetate	7.08	43	43868	29.370	ug/l	100
38) Carbon Tetrachloride	7.91	117	67633	19.704	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	100460	21.569	ug/l	98
40) Benzene	8.17	78	216963	21.069	ug/l	99
41) Methacrylonitrile	7.32	41	16433m	22.196	ug/l	
42) 1,2-Dichloroethane	8.24	62	60498	23.928	ug/l	98
43) Isopropyl Acetate	8.28	43	83644	28.345	ug/l	100
44) Trichloroethene	8.94	130	56453	18.654	ug/l	99
45) 1,2-Dichloropropane	9.22	63	53831	23.071	ug/l	96
46) Dibromomethane	9.31	93	29233	21.425	ug/l	99
47) Bromodichloromethane	9.50	83	70869	22.809	ug/l	100
48) Methyl methacrylate	9.30	41	38423	29.884	ug/l	98
49) 1,4-Dioxane	9.30	88	7071	350.114	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	215102	151.241	ug/l	100
52) Toluene	10.24	92	136516	21.476	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	78797	23.987	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	89648	23.242	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	43368	22.149	ug/l	98
56) Ethyl methacrylate	10.51	69	66696	25.705	ug/l	99
57) 1,3-Dichloropropane	10.79	76	75491	24.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	113604	121.880	ug/l	100
59) 2-Hexanone	10.83	43	151790	159.521	ug/l	99
60) Dibromochloromethane	10.99	129	49959	22.370	ug/l	99
61) 1,2-Dibromoethane	11.09	107	42529	22.424	ug/l	100
64) Tetrachloroethene	10.72	164	45616	14.873	ug/l	98
65) Chlorobenzene	11.52	112	143266	19.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	50369	19.689	ug/l	100
67) Ethyl Benzene	11.59	91	266808	20.907	ug/l	99
68) m/p-Xylenes	11.70	106	203600	40.428	ug/l	99
69) o-Xylene	12.03	106	97281	20.349	ug/l	99
70) Styrene	12.04	104	170452	20.979	ug/l	99
71) Bromoform	12.20	173	30988	20.261	ug/l #	100
73) Isopropylbenzene	12.33	105	254796	20.108	ug/l	99
74) N-amyl acetate	12.14	43	80418	30.175	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	54496	23.498	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	36709m	21.071	ug/l	
77) Bromobenzene	12.61	156	57615	18.965	ug/l	97
78) n-propylbenzene	12.67	91	310794	20.659	ug/l	100
79) 2-Chlorotoluene	12.75	91	176202	20.995	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	216612	20.140	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21544	24.153	ug/l #	99
82) 4-Chlorotoluene	12.85	91	186165	21.386	ug/l	97
83) tert-Butylbenzene	13.07	119	181239	19.912	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	217015	20.150	ug/l	99
85) sec-Butylbenzene	13.25	105	264262	20.642	ug/l	99
86) p-Isopropyltoluene	13.37	119	233973	20.360	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	110145	19.339	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	113475	19.751	ug/l	99
89) n-Butylbenzene	13.69	91	232157	21.226	ug/l	100
90) Hexachloroethane	13.95	117	44924	20.909	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	102643	19.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9856	23.678	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	67990	18.972	ug/l	98
94) Hexachlorobutadiene	15.11	225	34327	18.940	ug/l	96
95) Naphthalene	15.23	128	158916	19.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	60621	18.974	ug/l	100

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

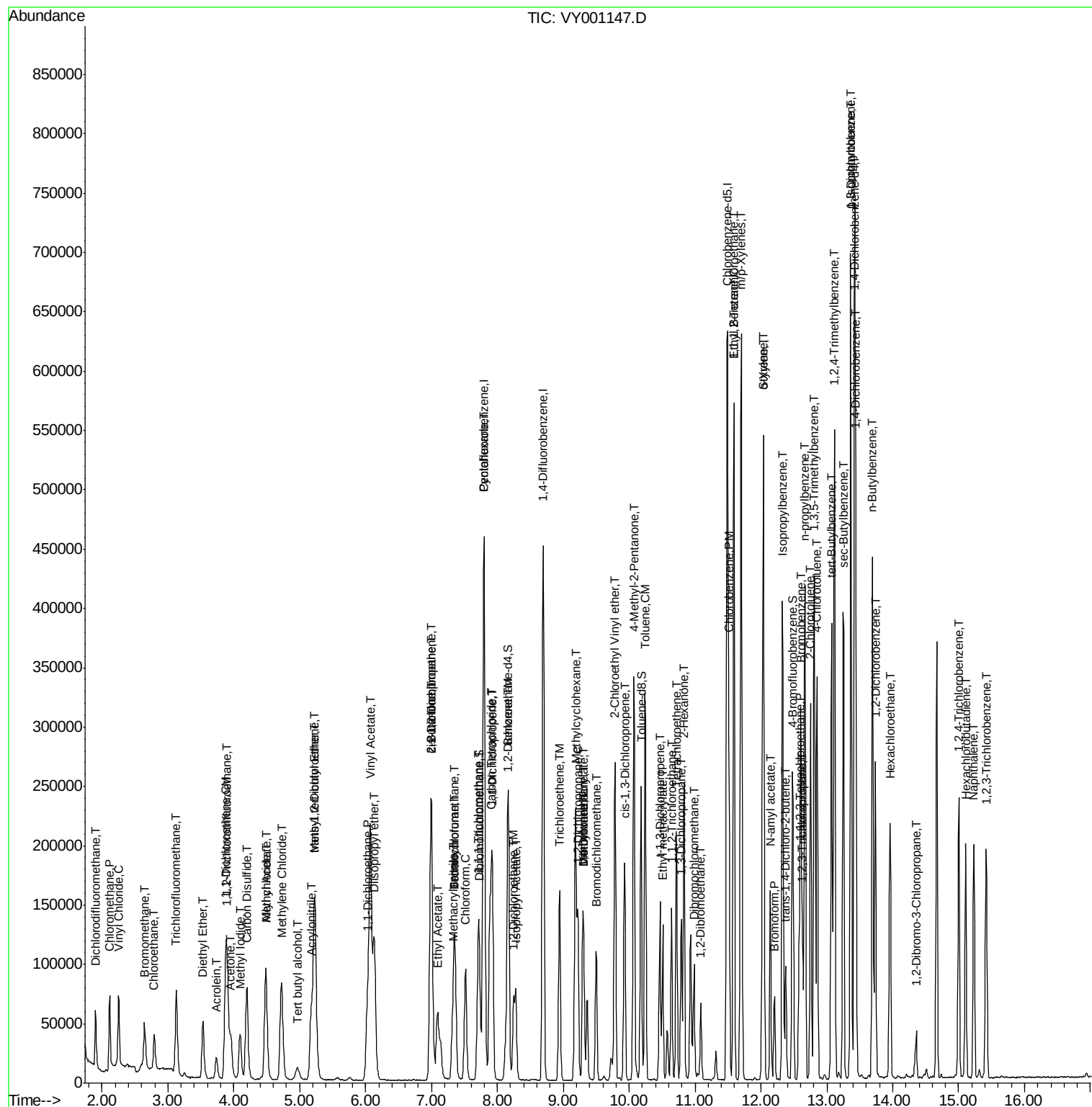
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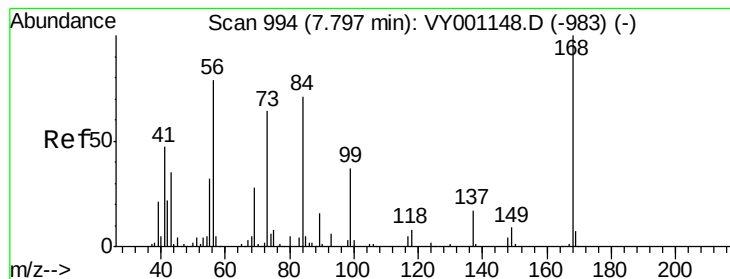
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 226581

Ion Ratio Lower Upper

168 100

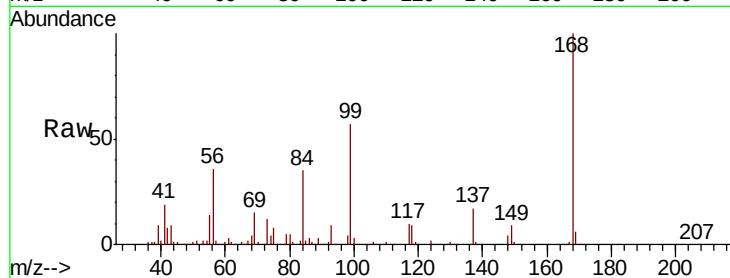
99 56.6 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001147.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001147.D (-945) (-)

120000

100000

80000

60000

40000

20000

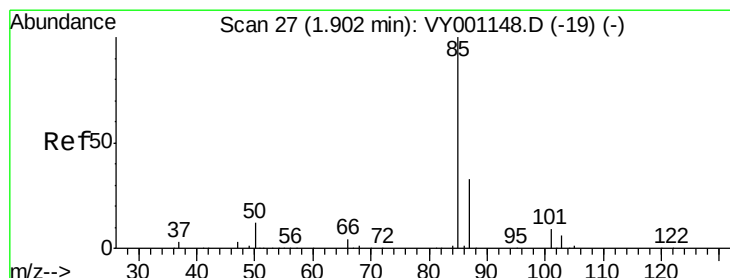
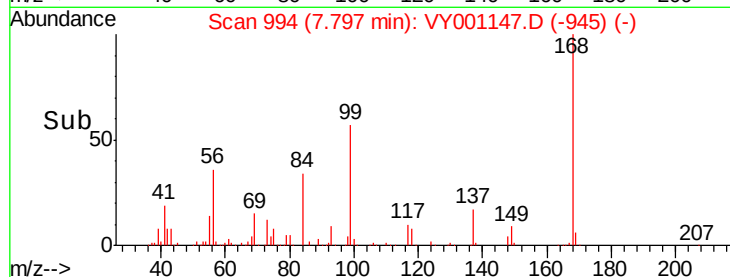
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.989 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001147.D

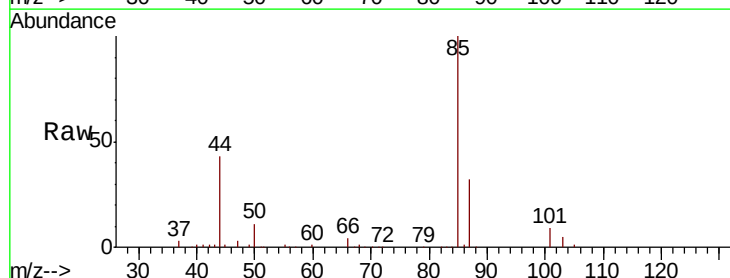
Acq: 10 Jan 2020 14:40

Tgt Ion: 85 Resp: 37761

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001147.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001147.D (-1) (-)

30000

25000

20000

15000

10000

5000

0

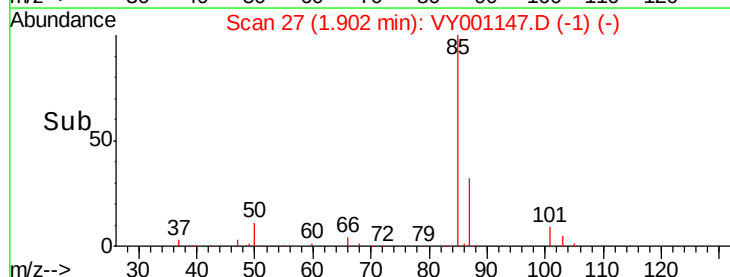
1.85

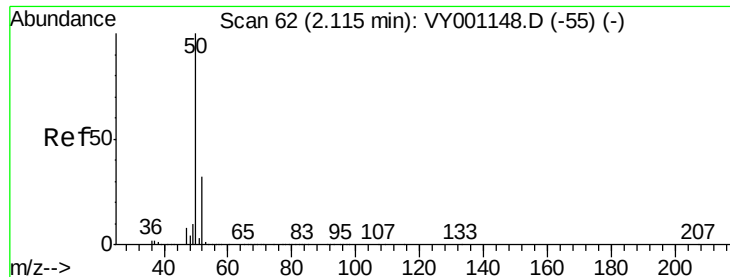
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 39.104 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 53494

Ion Ratio Lower Upper

50 100

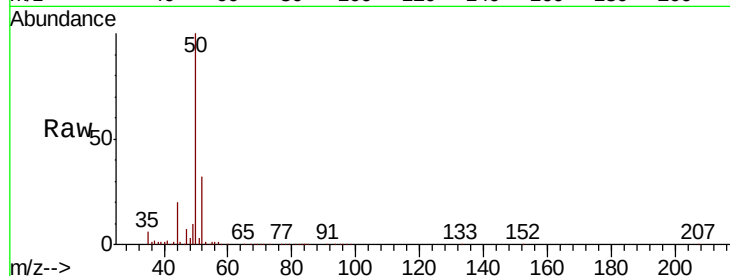
52 32.0 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

30000

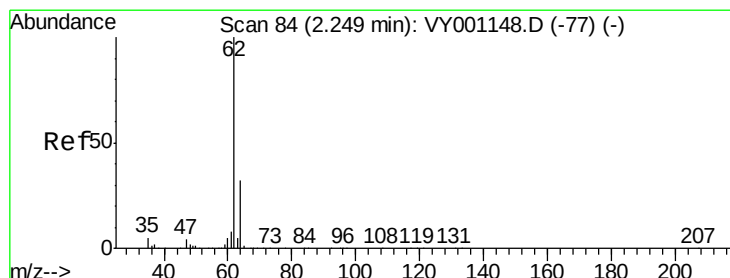
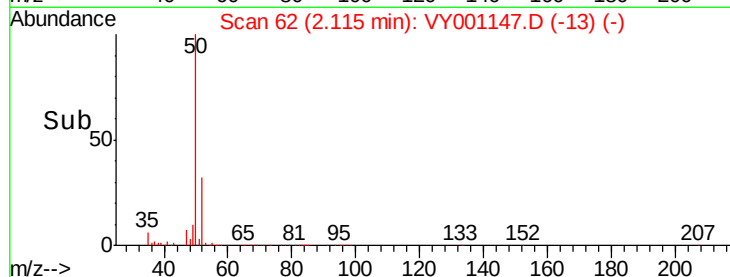
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 39.398 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001147.D

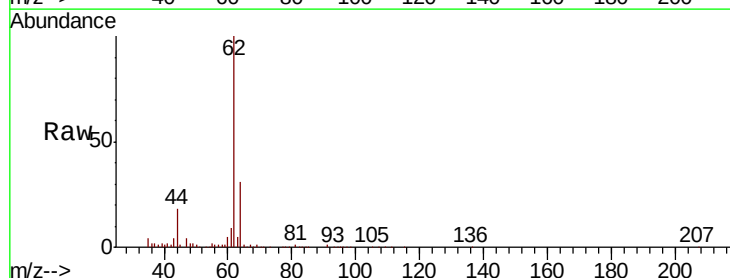
Acq: 10 Jan 2020 14:40

Tgt Ion: 62 Resp: 55282

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

40000

30000

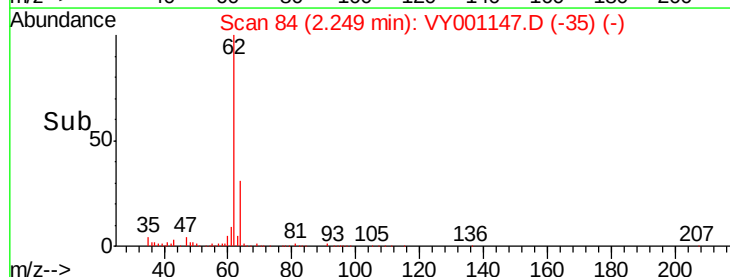
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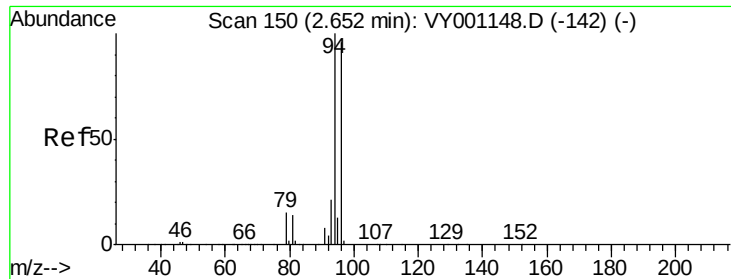
10000

0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 29.489 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 27860

Ion Ratio Lower Upper

94 100

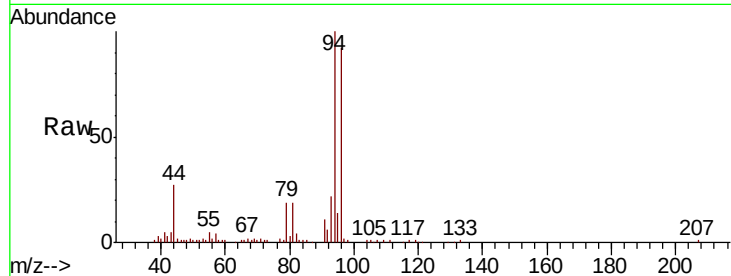
96 91.0 77.3 115.9

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

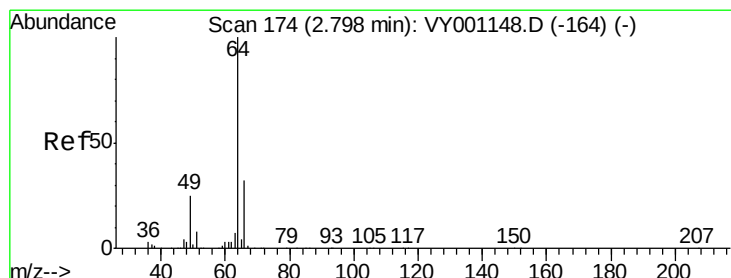
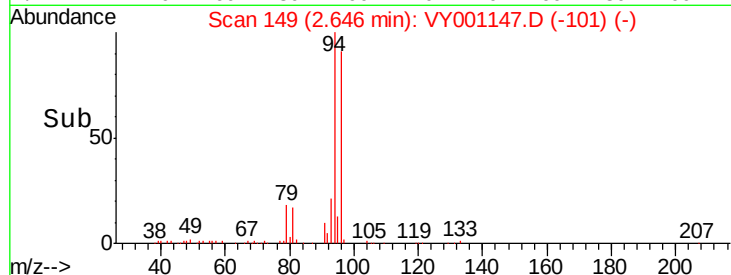
10000

5000

0

2.65

Time-->



#6

Chloroethane

Concen: 33.563 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001147.D

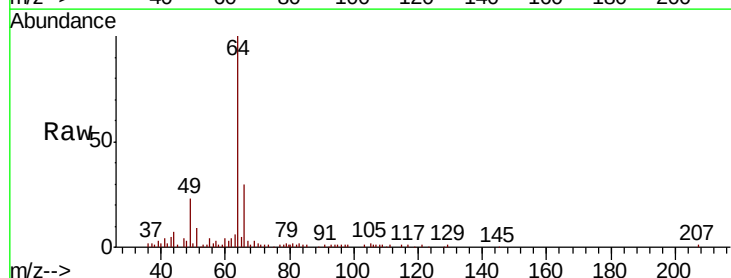
Acq: 10 Jan 2020 14:40

Tgt Ion: 64 Resp: 30800

Ion Ratio Lower Upper

64 100

66 29.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

15000

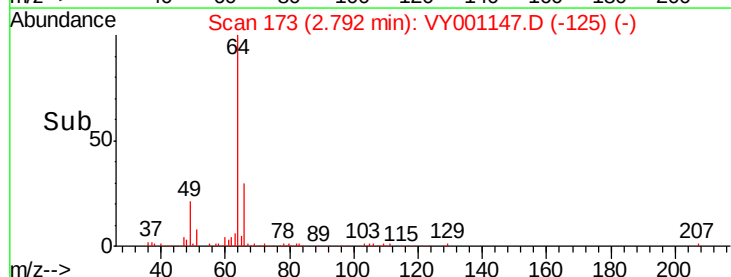
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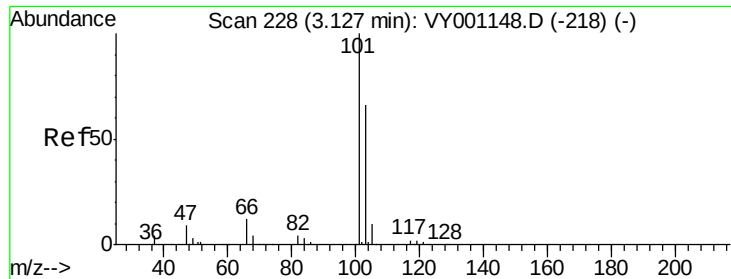
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0

2.79

Time-->





#7

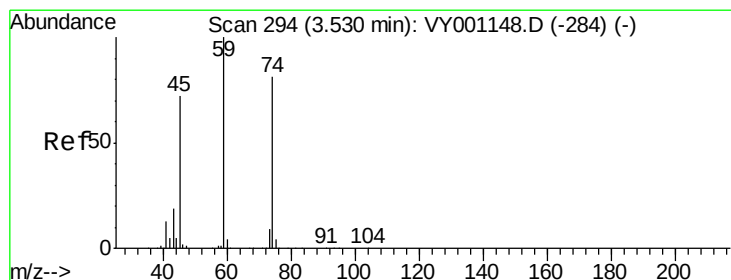
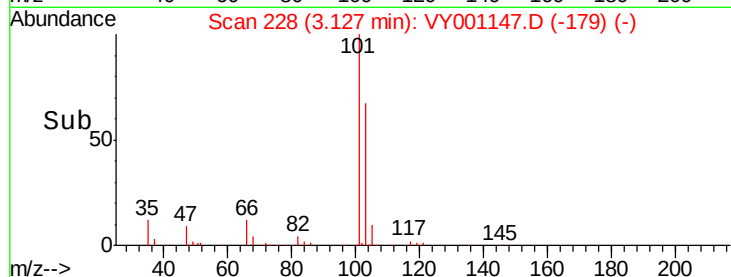
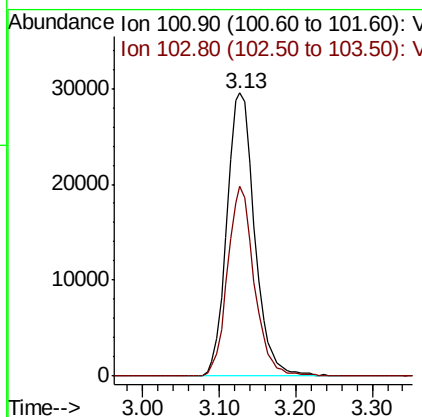
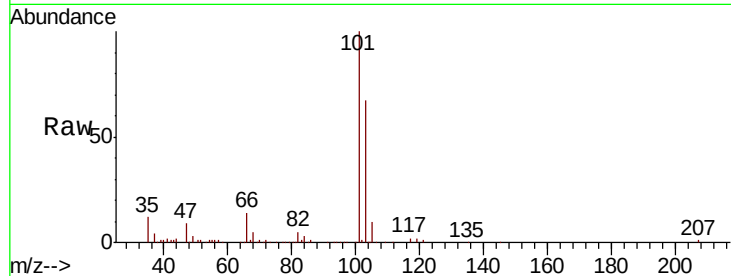
Trichlorofluoromethane
Concen: 22.884 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.6	79.0

Manual Integrations
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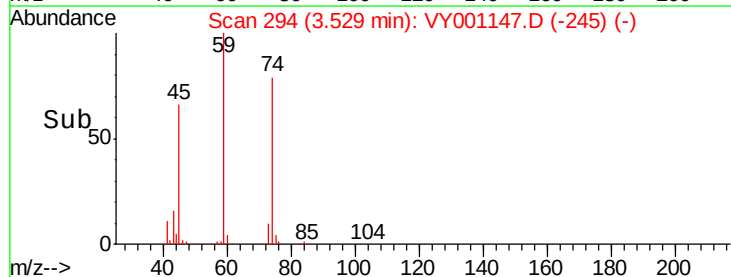
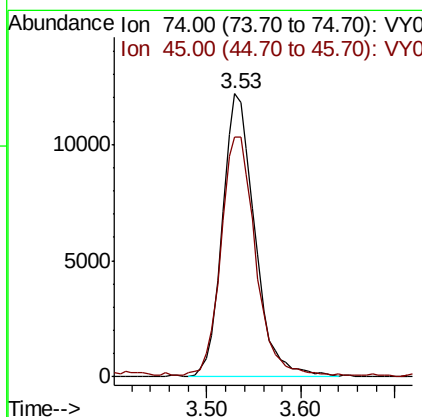
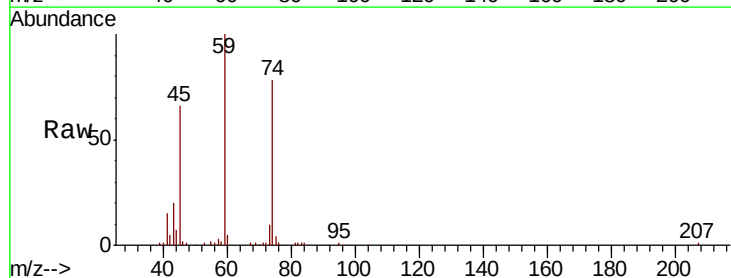
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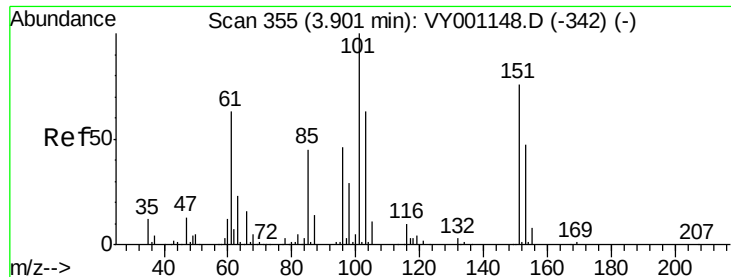


#8

Diethyl Ether
Concen: 24.478 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.00 min
Lab File: VY001147.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	45.5	136.5





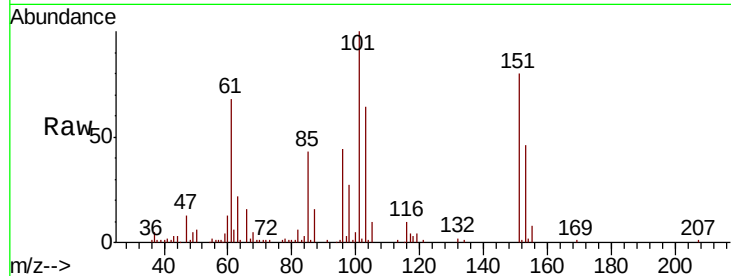
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.537 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.00 min
Lab File: VY001147.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	48119		
85	42.7		35.2	52.8
151	76.7		61.4	92.2

Manual Integrations
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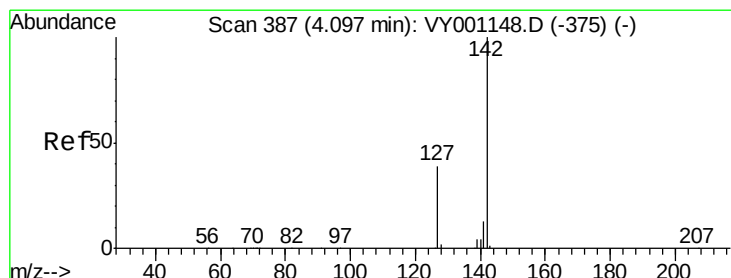
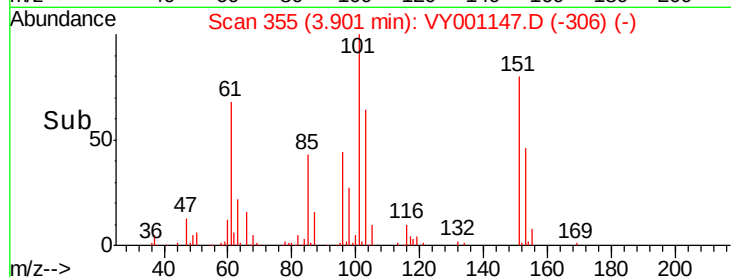
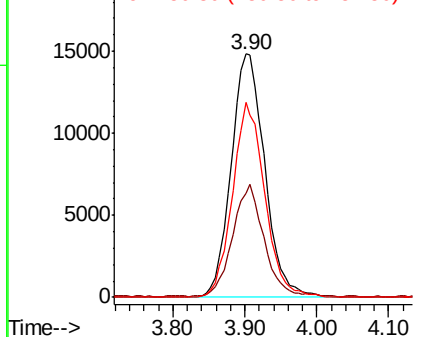


Abundance

Ion 100.90 (100.60 to 101.60): V

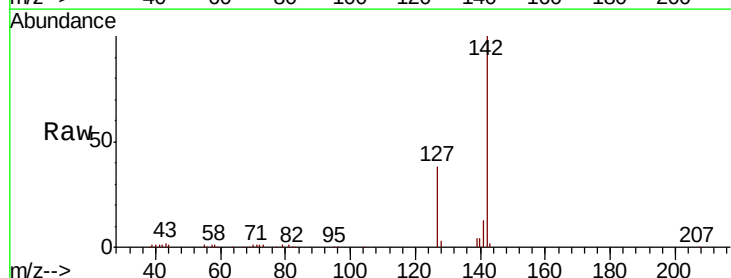
Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 20.954 ug/l
RT: 4.10 min Scan# 387
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	64964		
127	39.0		30.8	46.2
141	13.6		11.0	16.4

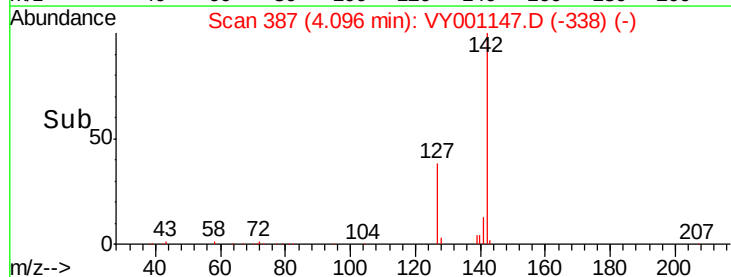
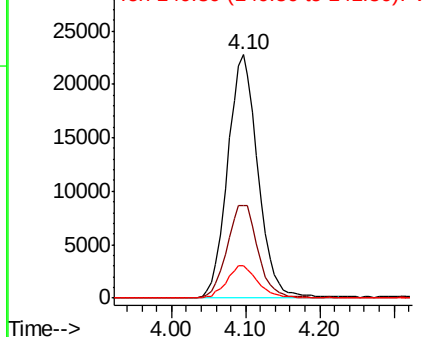


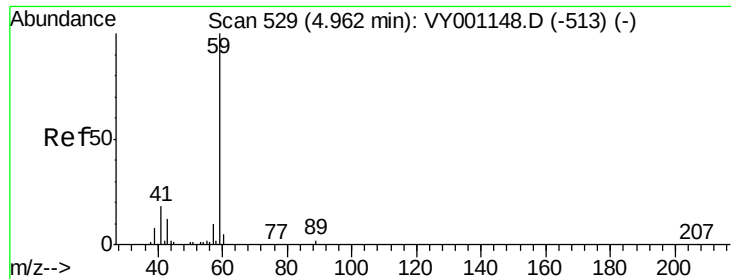
Abundance

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

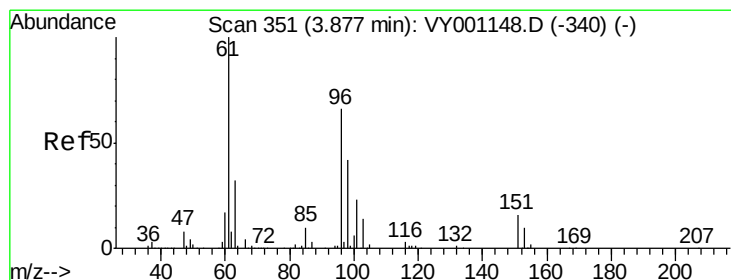
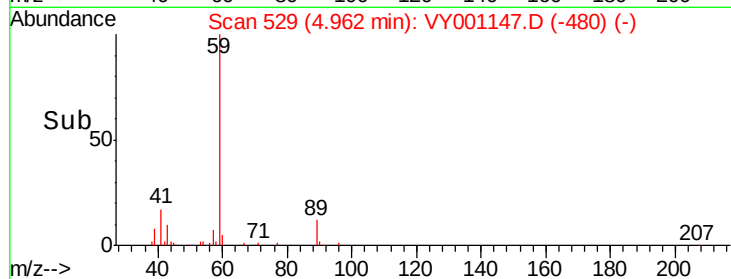
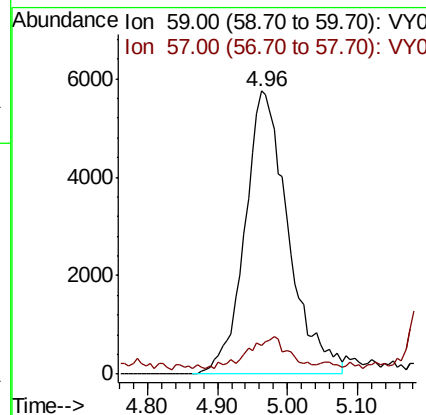
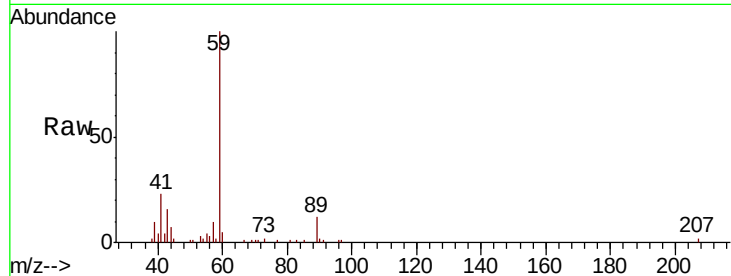
Tert butyl alcohol
Concen: 129.328 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	24872
Ion Ratio	100	Lower	Upper
57	10.6	7.8	11.8

Manual Integrations
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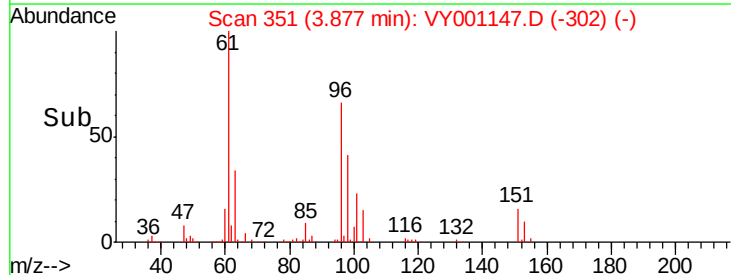
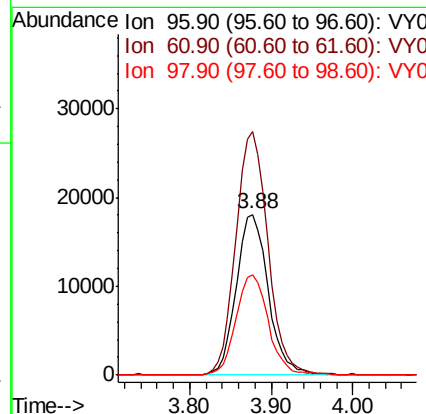
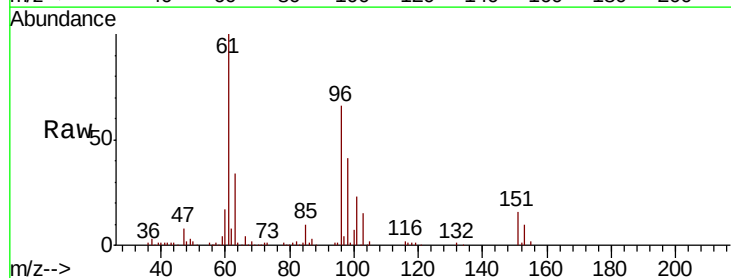
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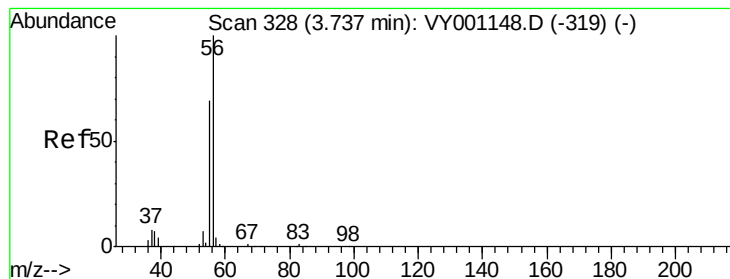


#12

1,1-Dichloroethene
Concen: 23.455 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	96	Resp	49260
Ion Ratio	100	Lower	Upper
61	151.6	122.1	183.1
98	62.2	51.0	76.6





#13

Acrolein

Concen: 133.327 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 24083

Ion Ratio Lower Upper

56 100

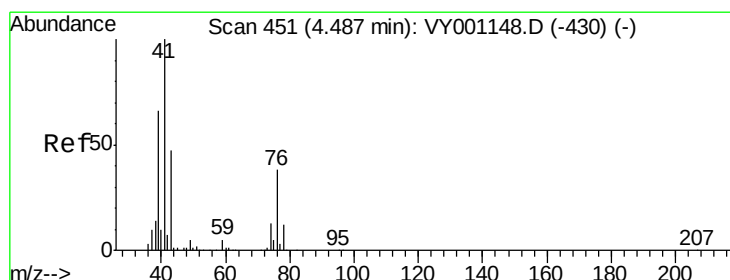
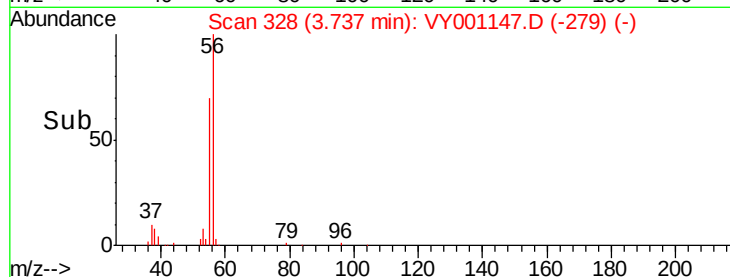
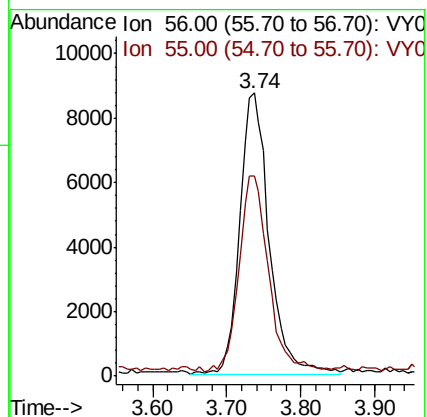
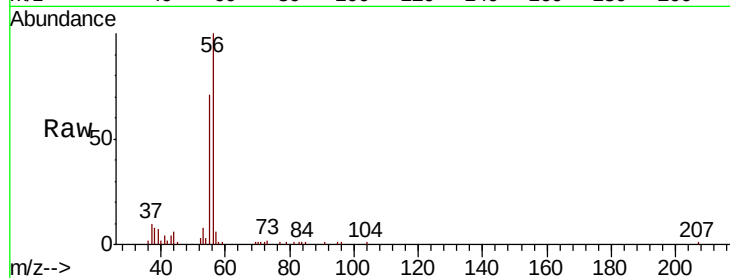
55 70.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 33.214 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

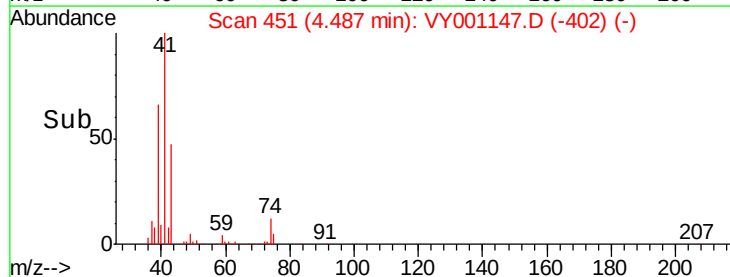
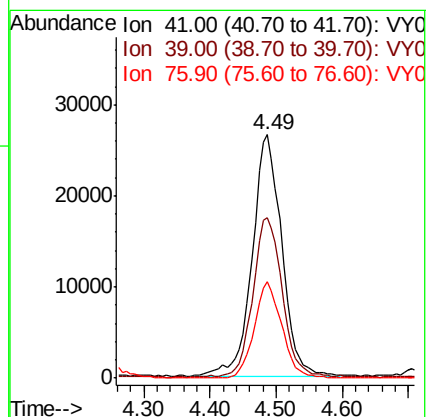
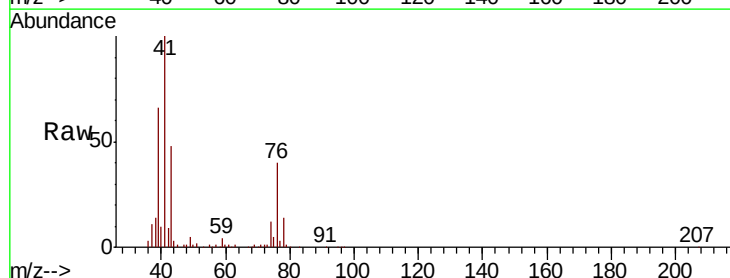
Tgt Ion: 41 Resp: 81913

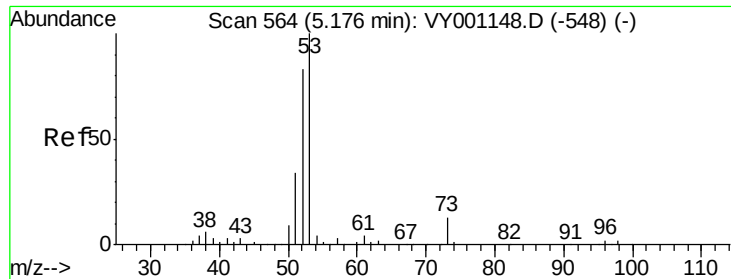
Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 37.2 30.2 45.2





#15

Acrylonitrile

Concen: 140.982 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

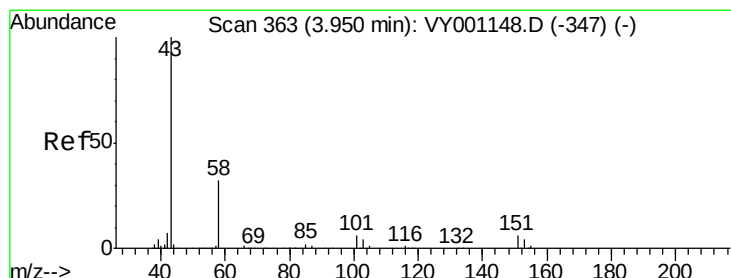
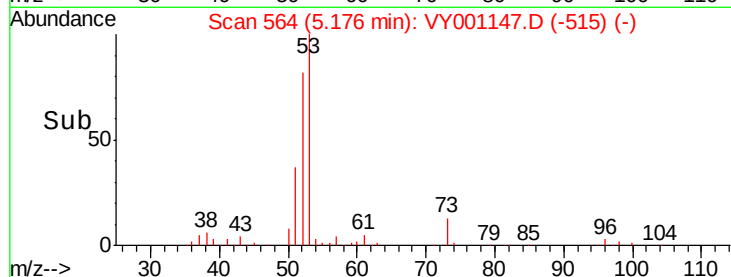
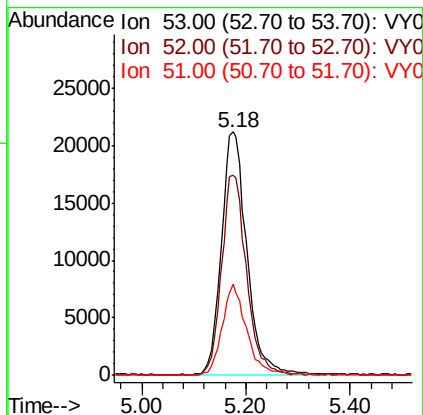
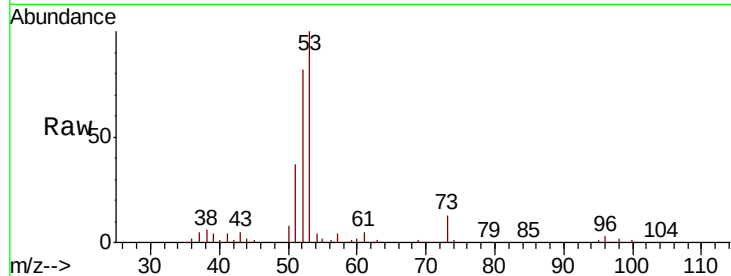
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	73366
Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.7	98.5
51	35.4	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 138.562 ug/l

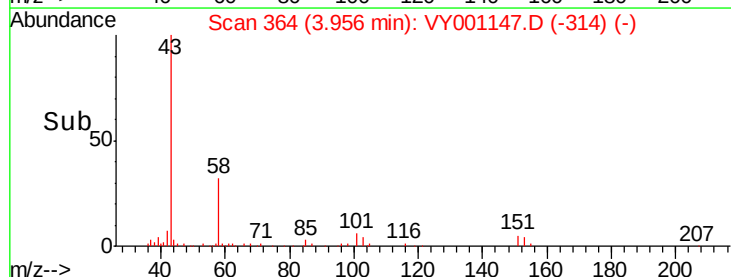
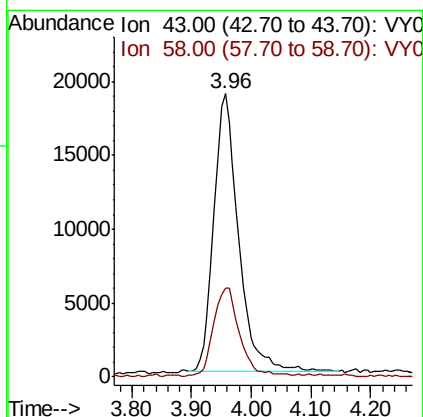
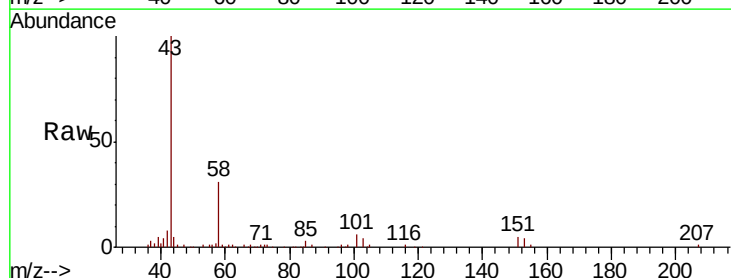
RT: 3.96 min Scan# 364

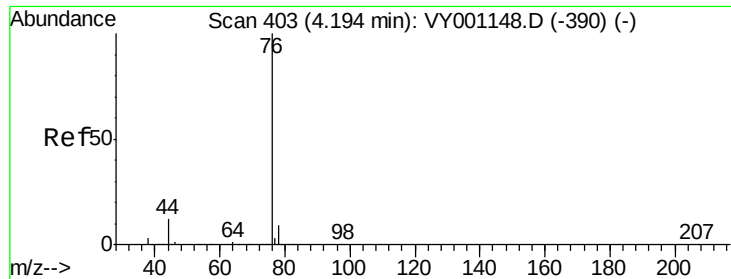
Delta R.T. 0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion:	43	Resp:	54199
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.8	38.6





#17

Carbon Disulfide

Concen: 25.179 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 159569

Ion Ratio Lower Upper

76 100

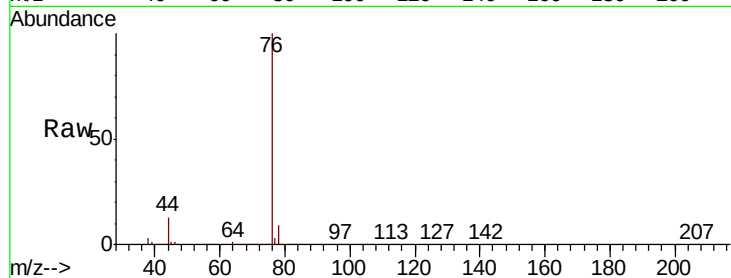
78 9.4 7.2 10.8

Manual Integrations

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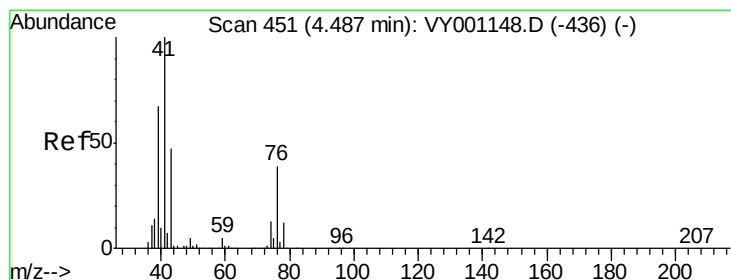
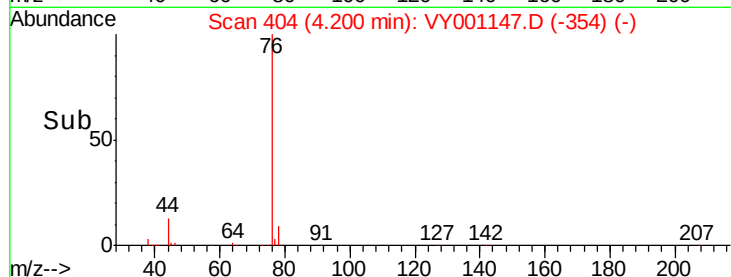
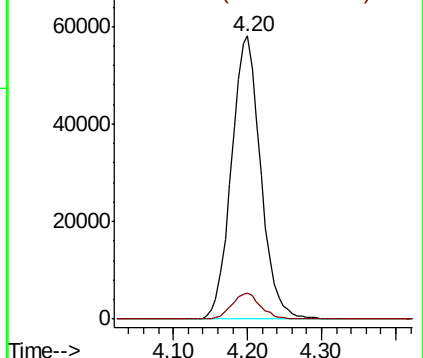
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 31.148 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001147.D

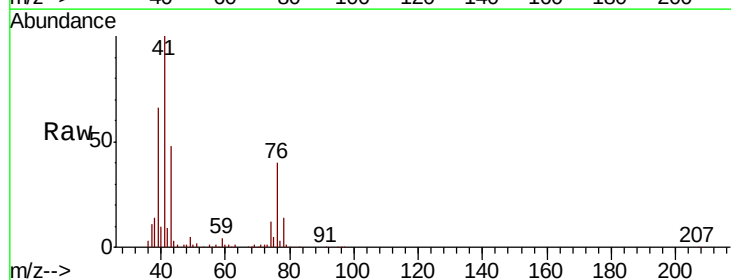
Acq: 10 Jan 2020 14:40

Tgt Ion: 43 Resp: 37885

Ion Ratio Lower Upper

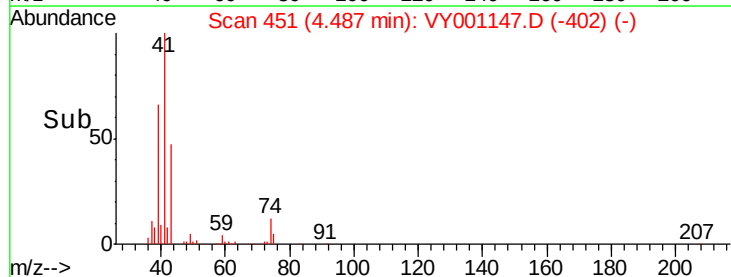
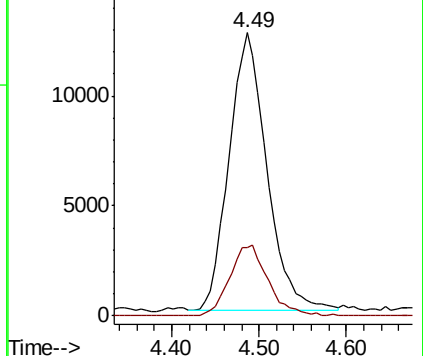
43 100

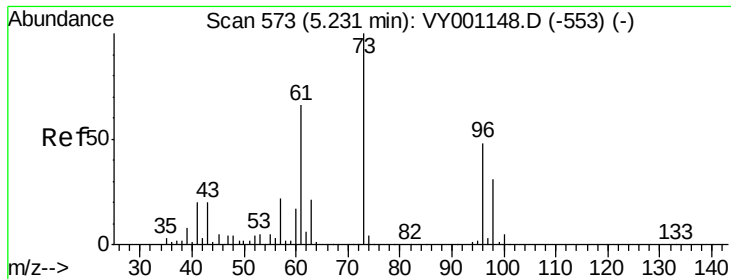
74 25.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





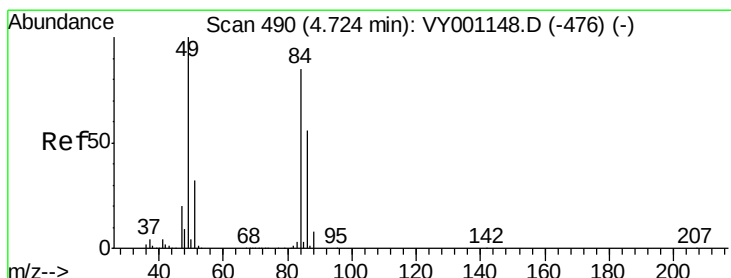
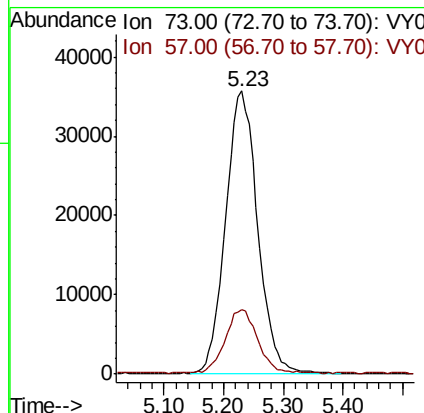
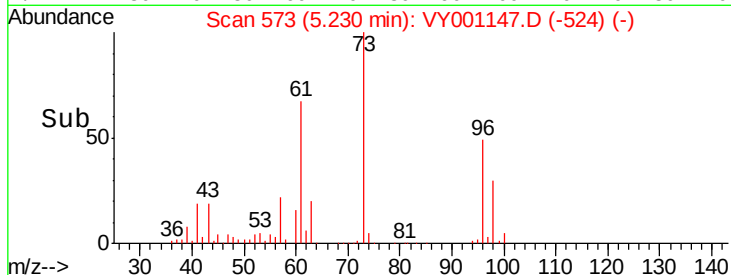
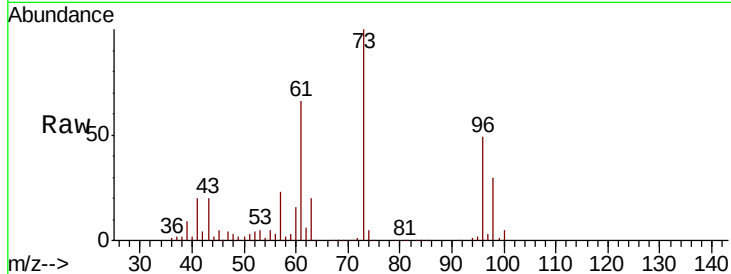
#19
Methyl tert-butyl Ether
Concen: 25.516 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 133240
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6

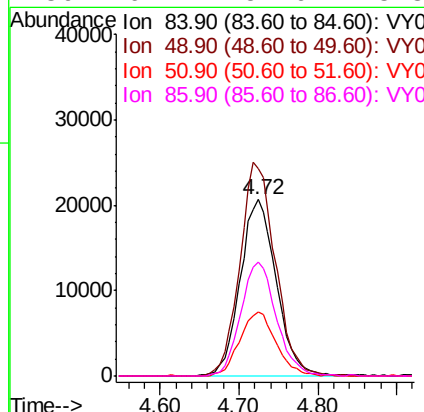
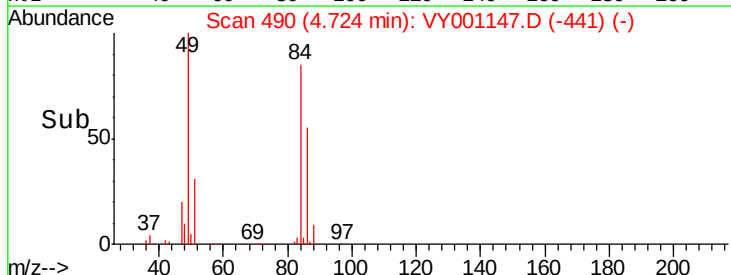
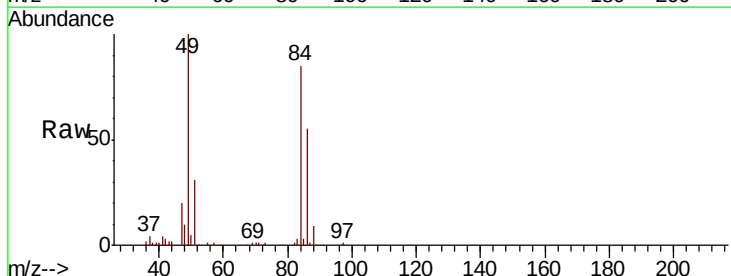
Manual Integrations
APPROVED

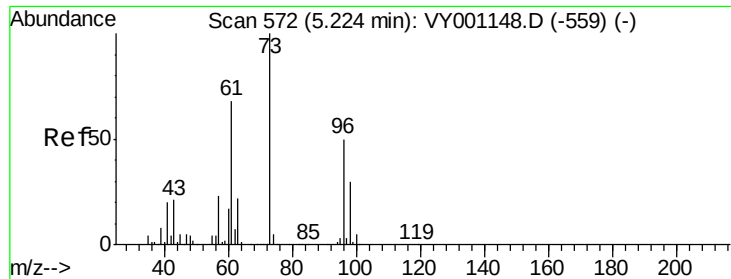
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#20
Methylene Chloride
Concen: 26.557 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 84 Resp: 65502
Ion Ratio Lower Upper
84 100
49 117.8 93.8 140.6
51 36.3 29.9 44.9
86 64.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 23.704 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

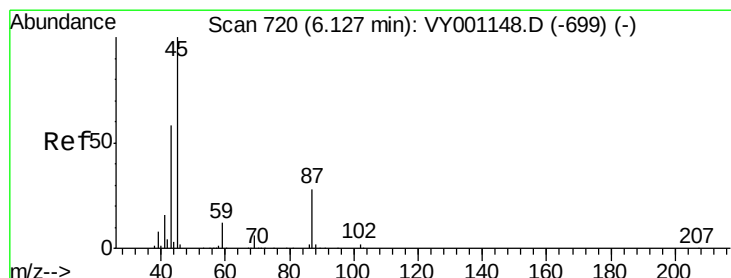
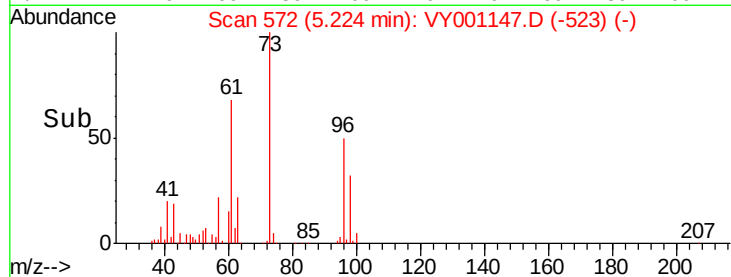
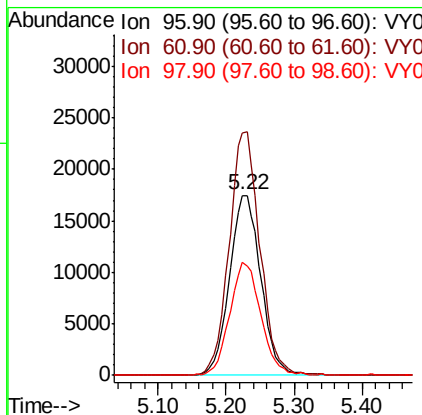
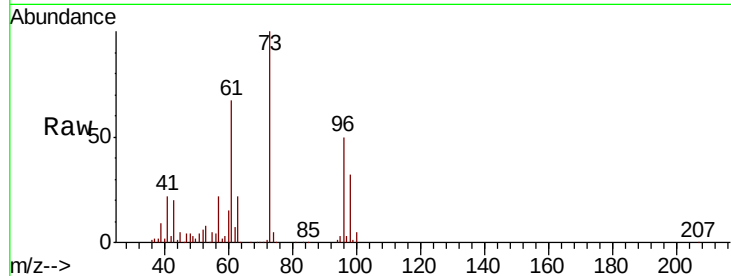
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	55666
Ion	Ratio	Lower	Upper
96	100		
61	134.7	107.6	161.4
98	63.0	47.6	71.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 32.014 ug/l

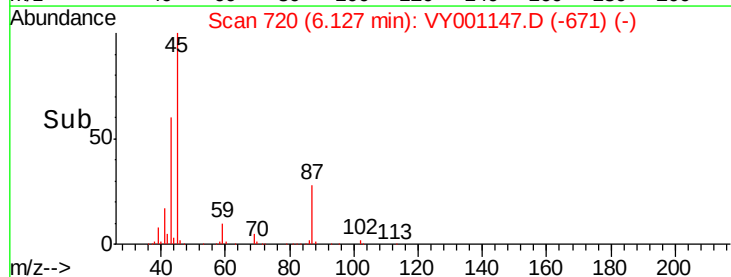
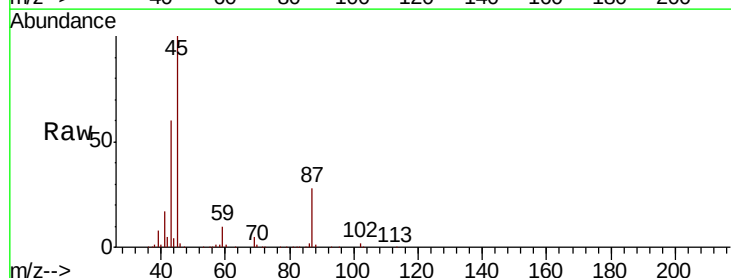
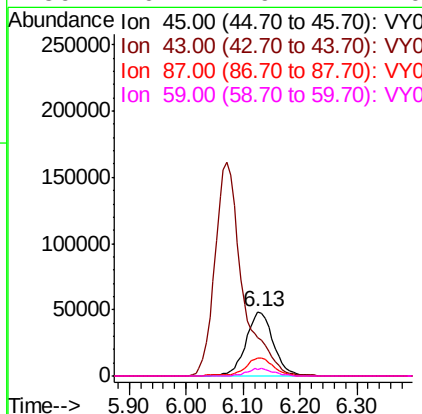
RT: 6.13 min Scan# 720

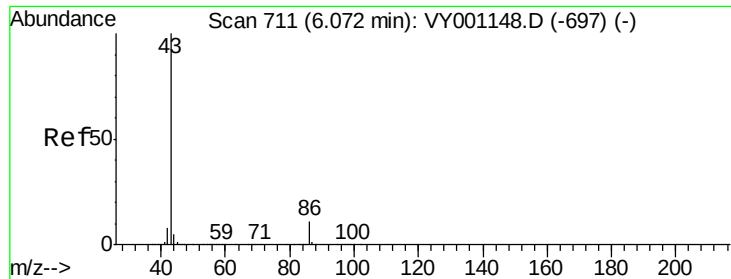
Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion:	45	Resp:	162213
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.5	69.7
87	27.8	22.5	33.7
59	10.4	9.4	14.0





#23

Vinyl Acetate

Concen: 168.902 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 541220

Ion Ratio Lower Upper

43 100

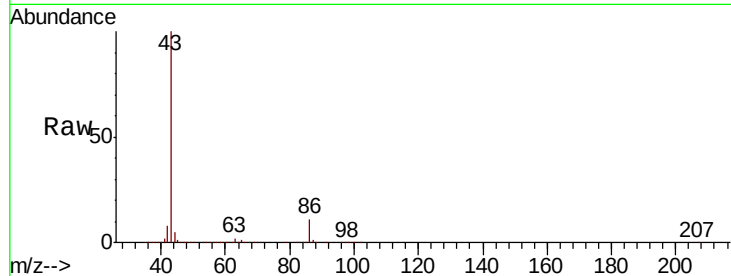
86 11.0 9.0 13.4

Manual Integrations

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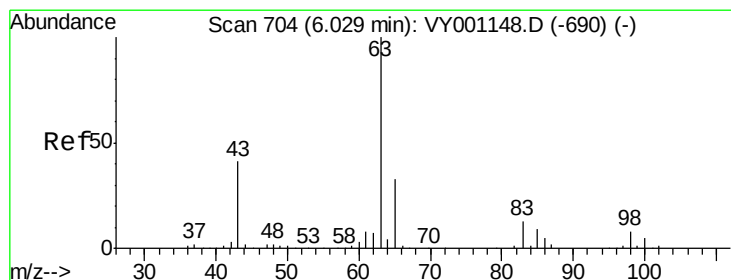
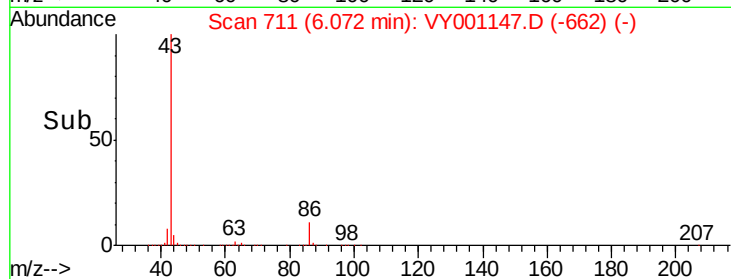
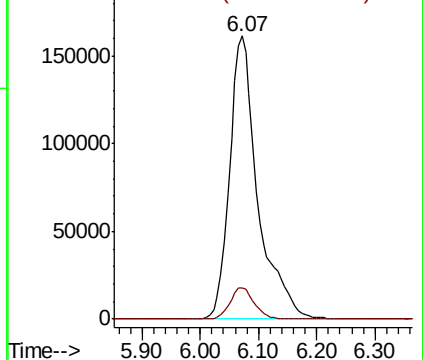
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 27.534 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

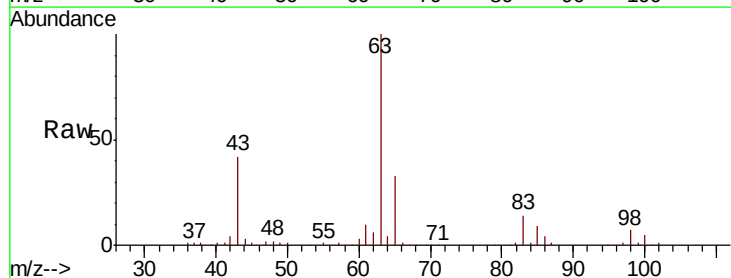
Tgt Ion: 63 Resp: 91234

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

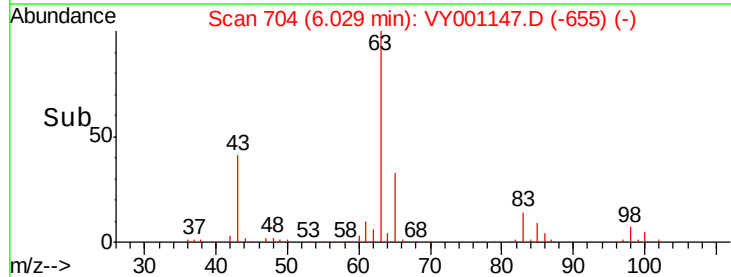
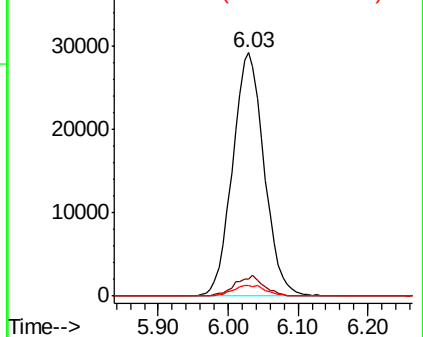
100 4.6 2.4 7.2

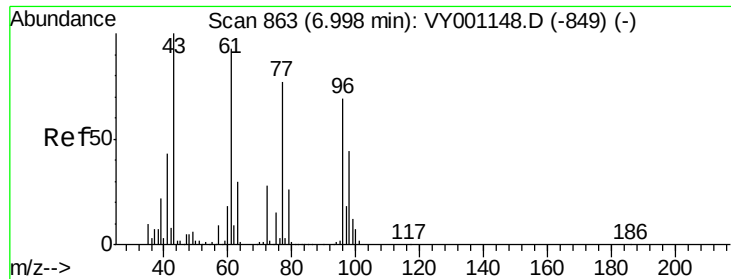


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 141.353 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 90338

Ion Ratio Lower Upper

43 100

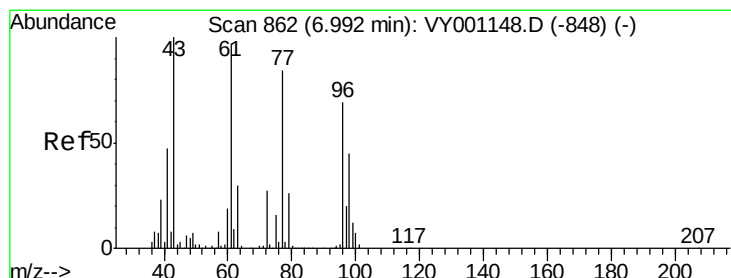
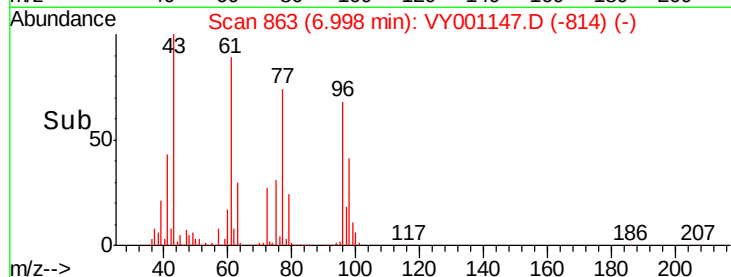
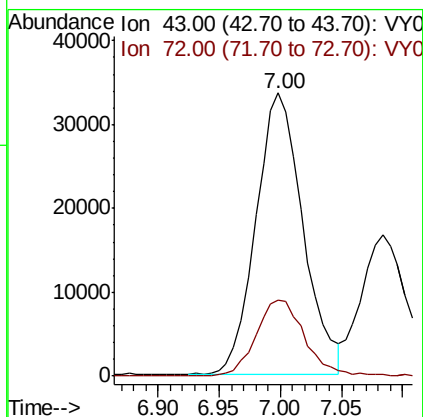
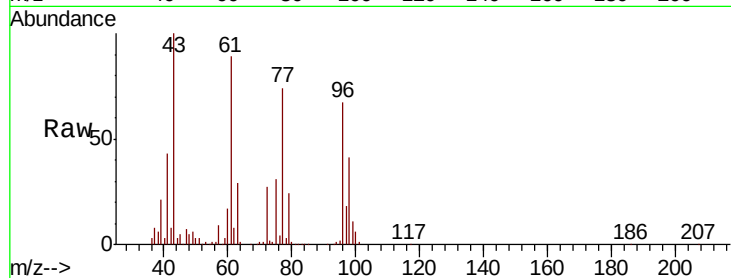
72 26.8 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.078 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001147.D

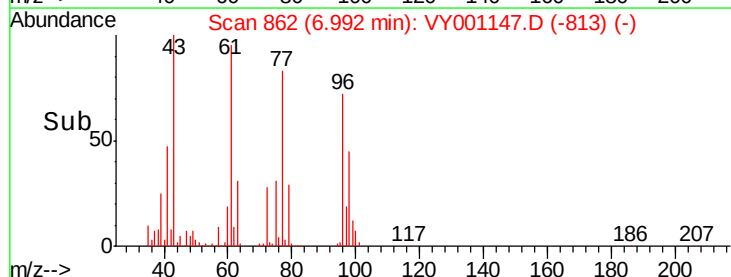
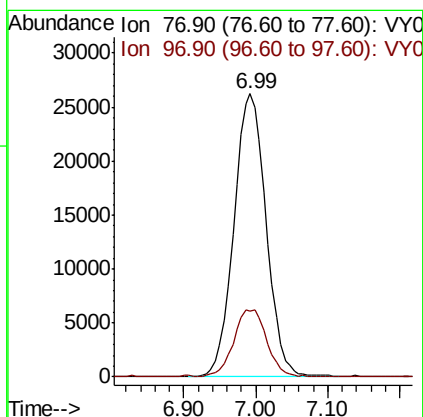
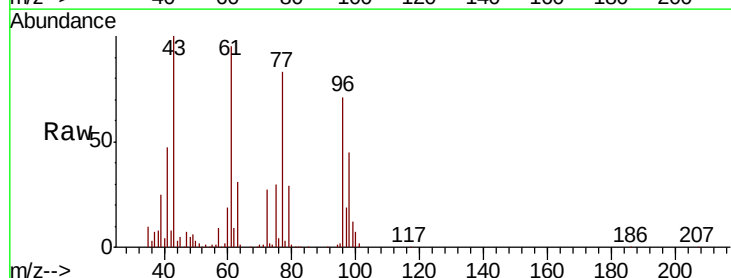
Acq: 10 Jan 2020 14:40

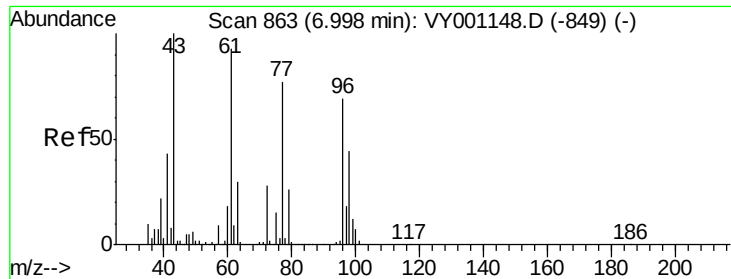
Tgt Ion: 77 Resp: 81341

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.7





#27

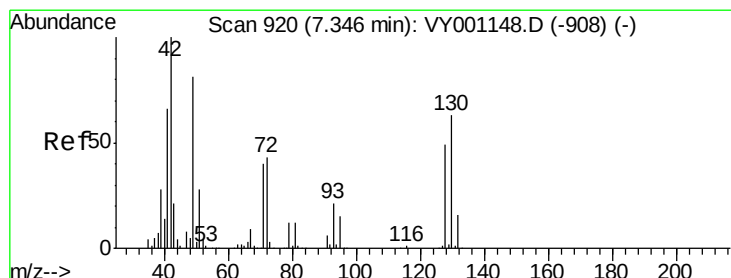
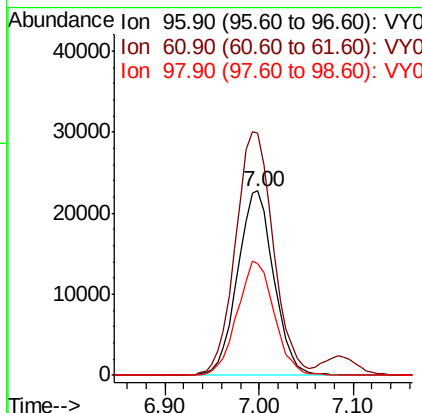
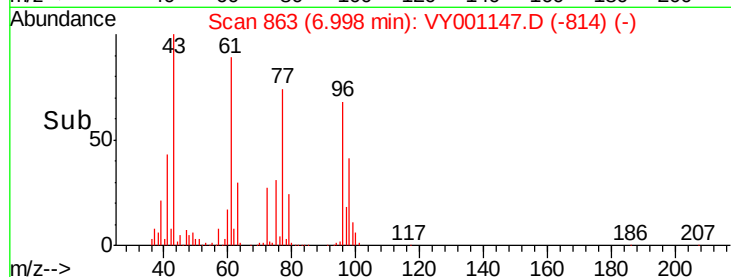
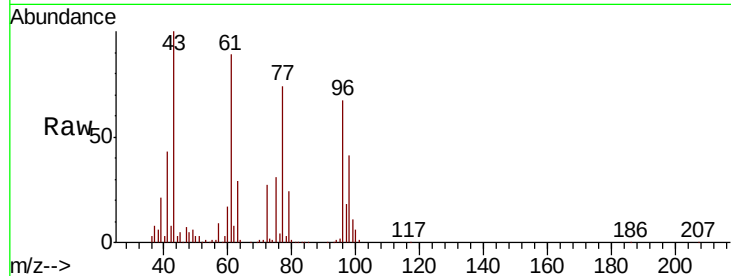
cis-1,2-Dichloroethene
Concen: 22.125 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	284.0
98	63.0	0.0	130.2

Manual Integrations
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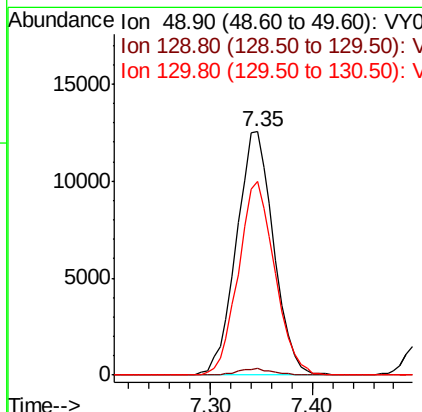
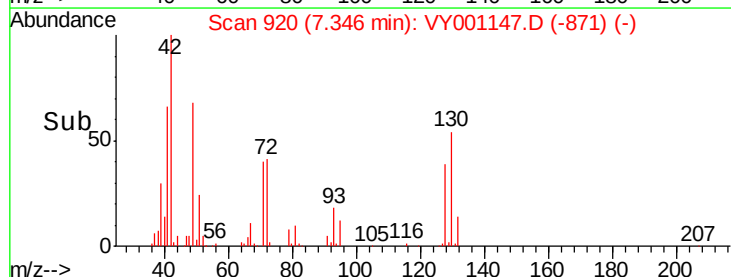
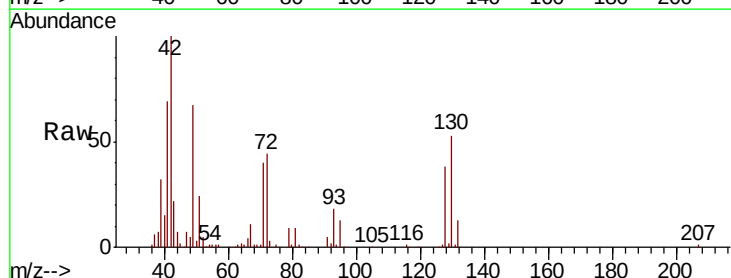
MMDadoda
1/13/2020 12:38:51 PM

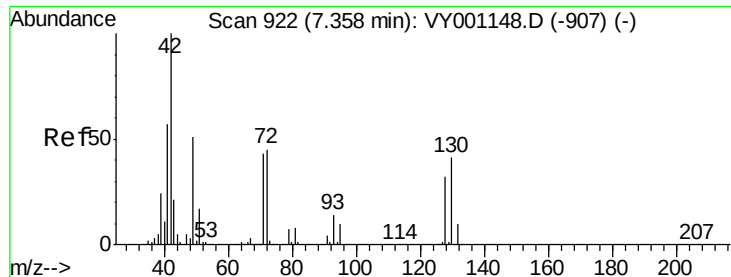


#28

Bromochloromethane
Concen: 24.287 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	78.1	61.2	91.8





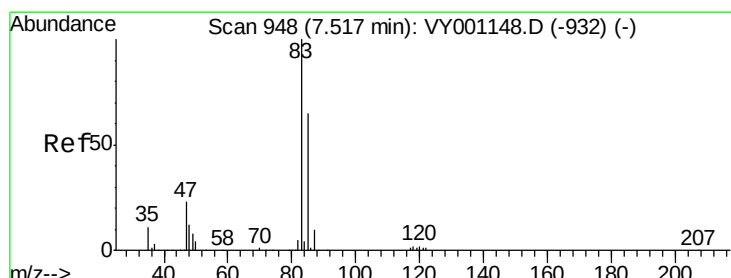
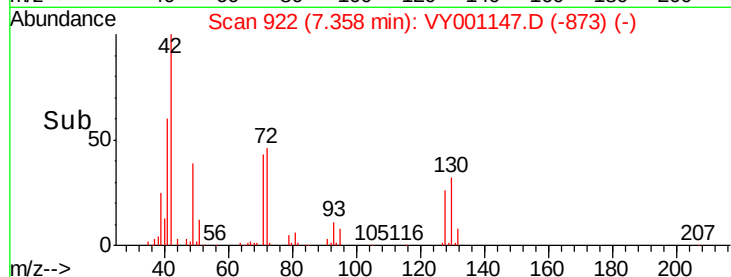
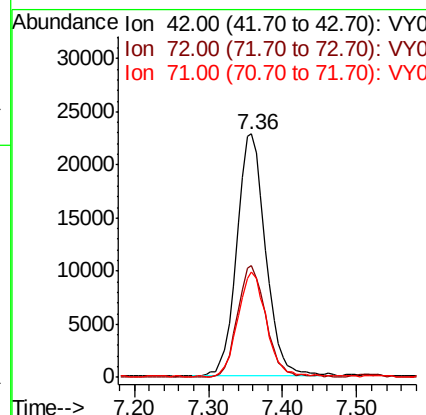
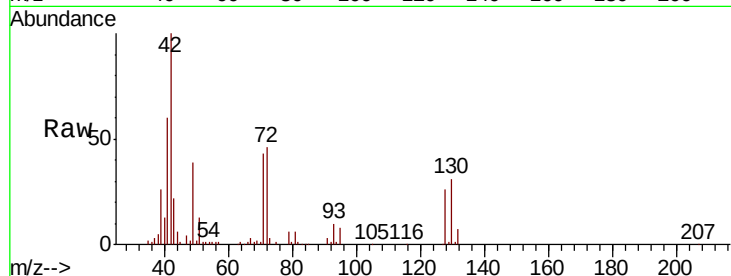
#29
Tetrahydrofuran
Concen: 144.040 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.9	55.3
71	42.9	34.0	51.0

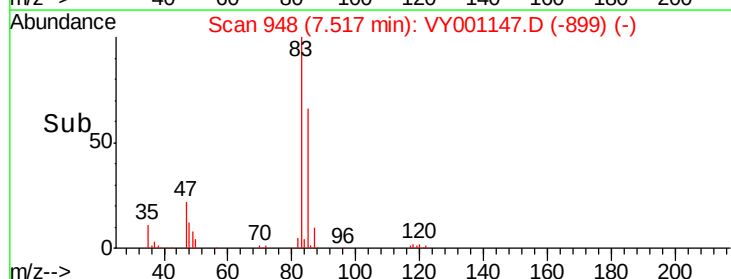
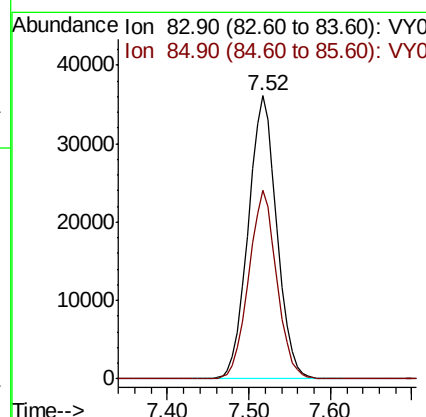
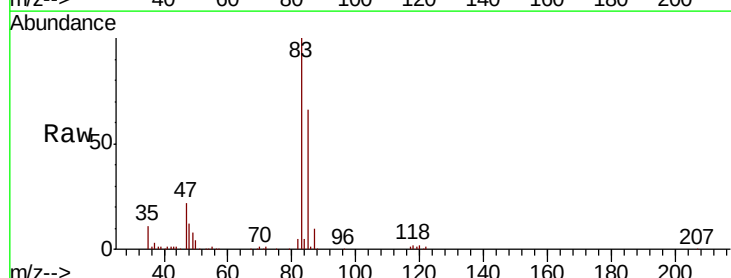
Manual Integrations
APPROVED

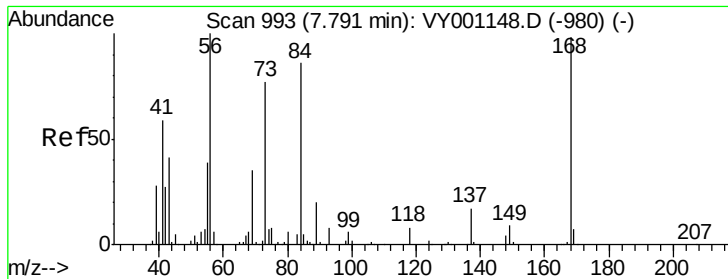
MMDadoda
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#30
Chloroform
Concen: 22.153 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.9	77.9





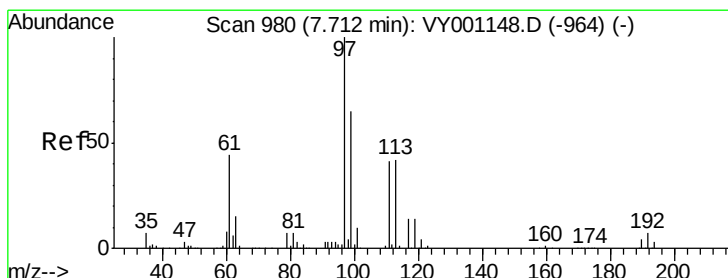
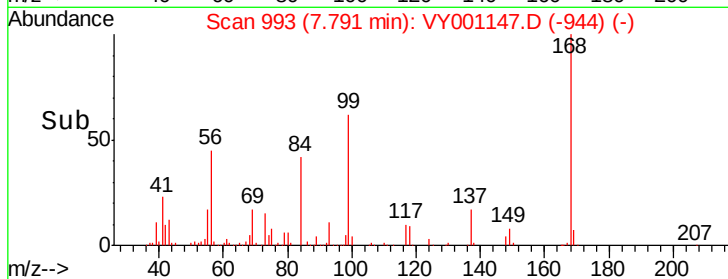
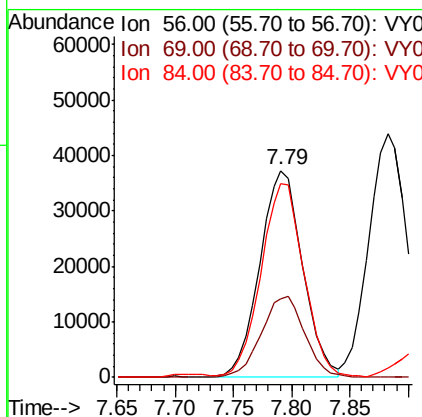
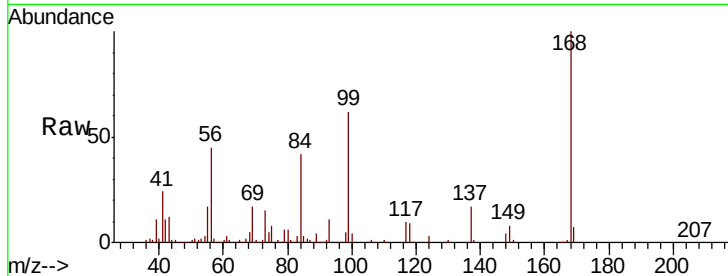
#31
Cyclohexane
Concen: 24.763 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	27.8	41.8
84	92.1	68.9	103.3

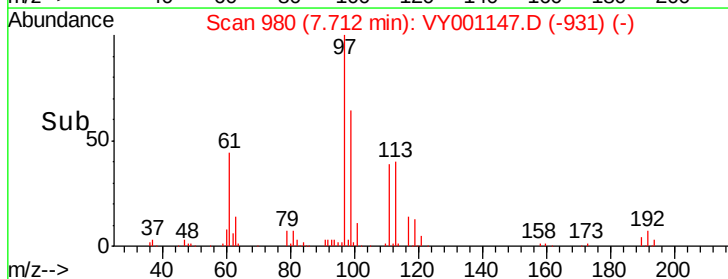
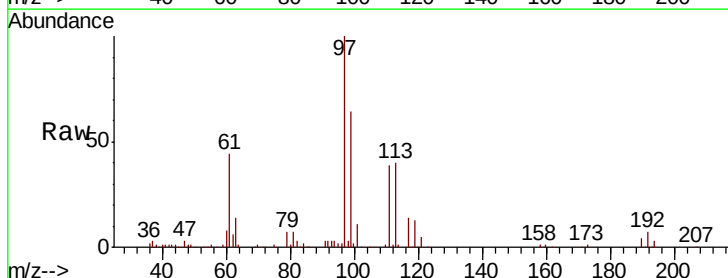
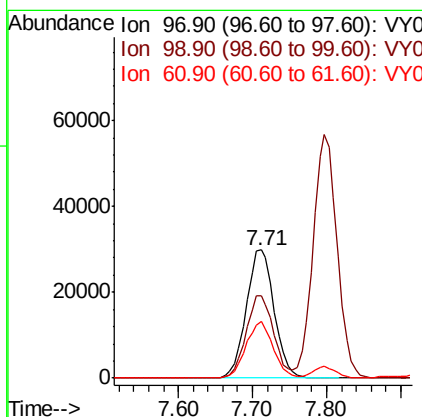
Manual Integrations
APPROVED

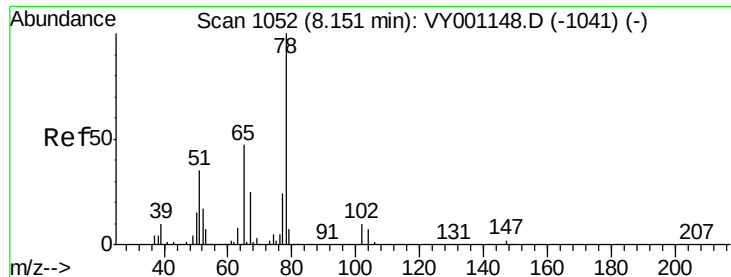
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.373 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	42.8	34.6	52.0





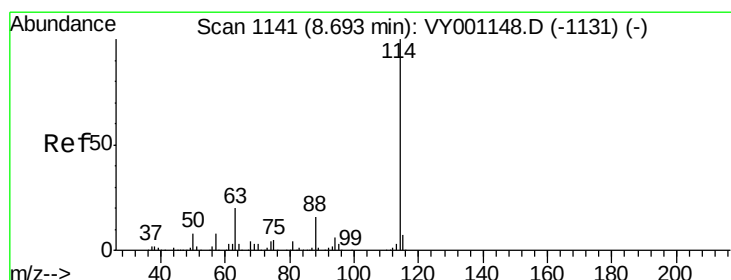
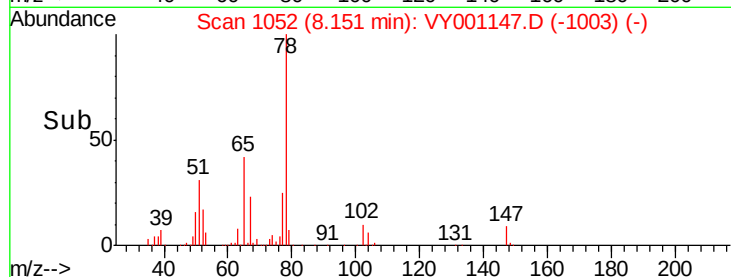
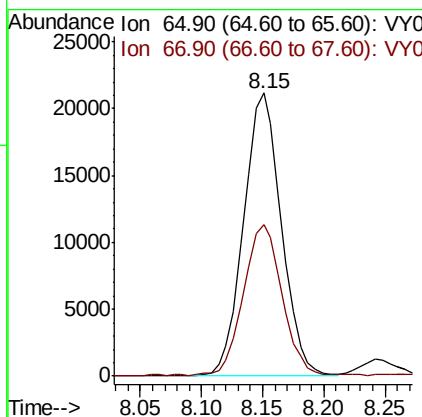
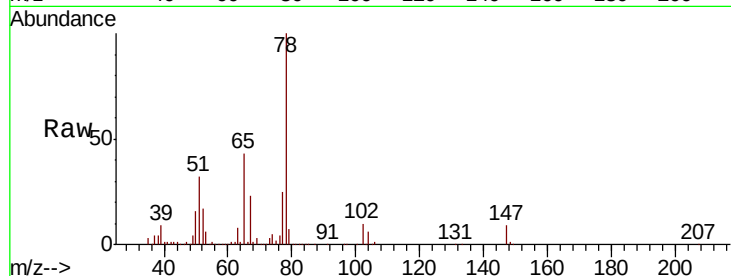
#33
 1,2-Dichloroethane-d4
 Concen: 22.962 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	45527		
67	53.3	0.0	105.2	

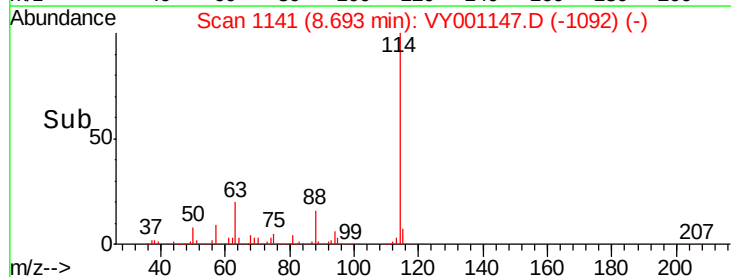
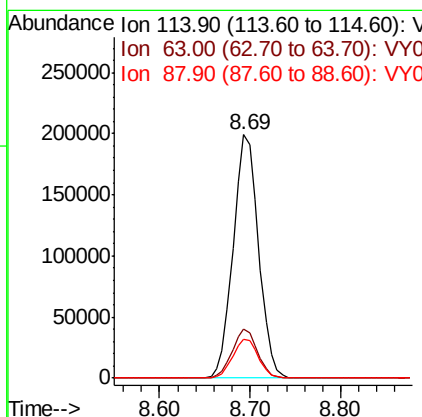
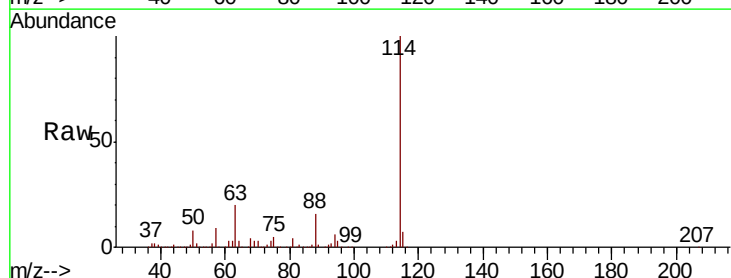
Manual Integrations
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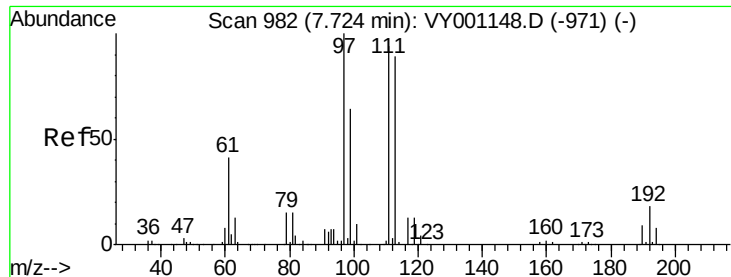
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 1/13/2020 12:38:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	386059		
63	20.2	0.0	40.8	
88	16.2	0.0	32.4	





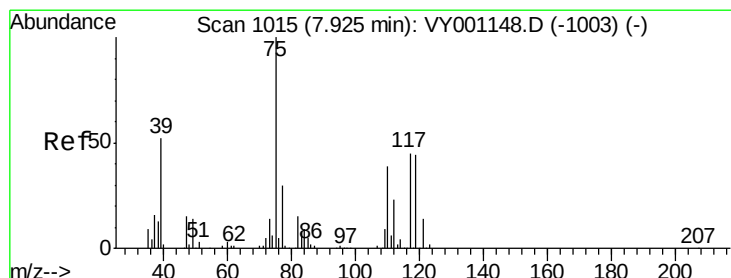
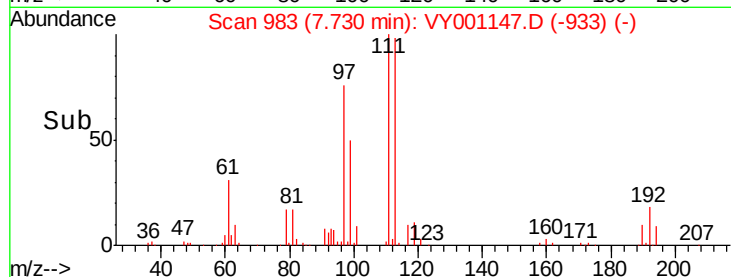
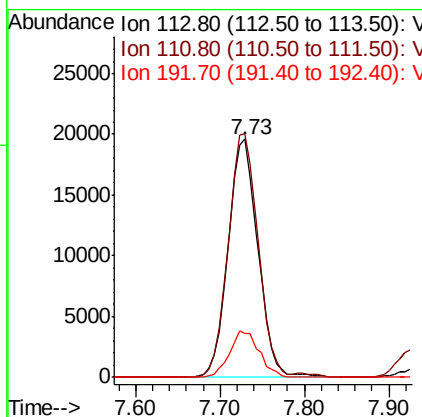
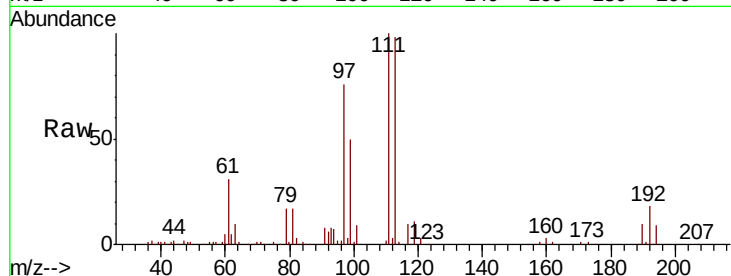
#35
 Dibromofluoromethane
 Concen: 21.335 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	46939		
111	102.6		82.9	124.3
192	19.4		15.4	23.2

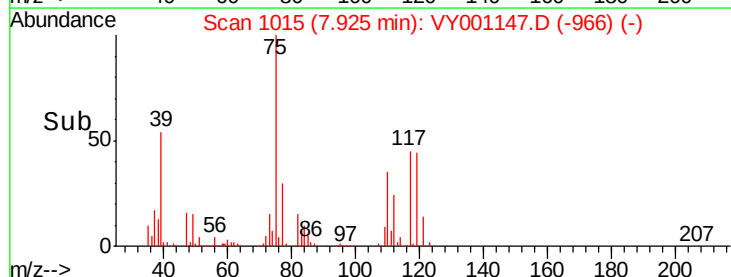
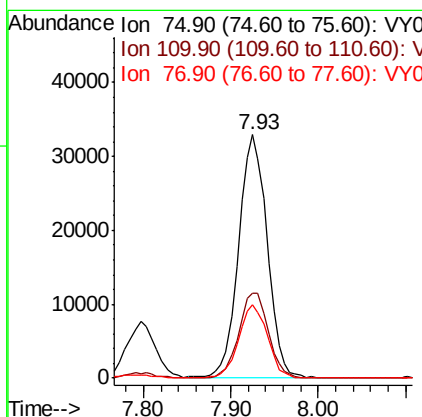
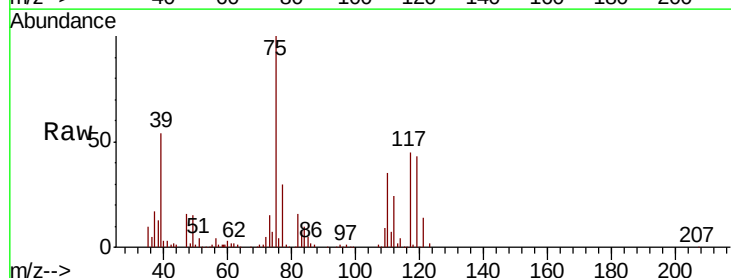
Manual Integrations
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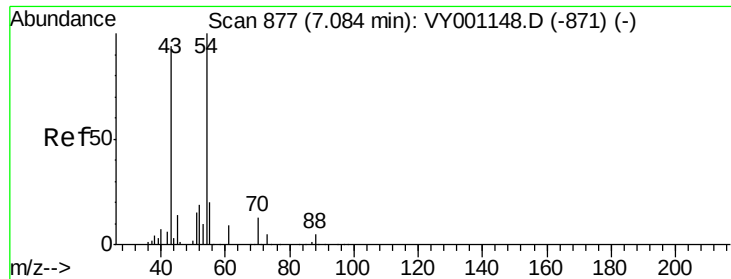
MMDadoda
 1/13/2020 12:38:51 PM



#36
 1,1-Dichloropropene
 Concen: 22.243 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75001		
110	36.1		18.3	54.8
77	30.3		25.1	37.7





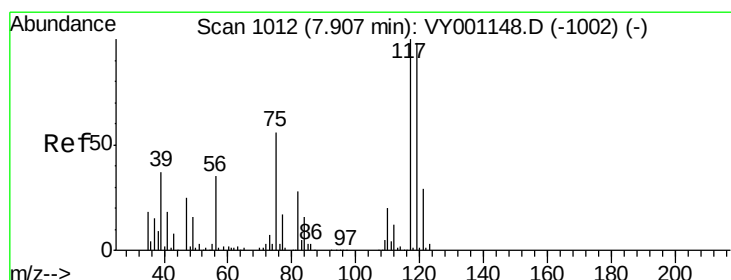
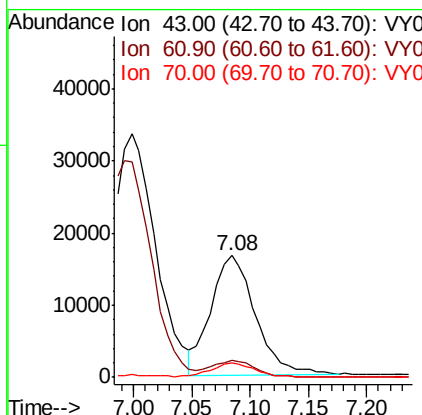
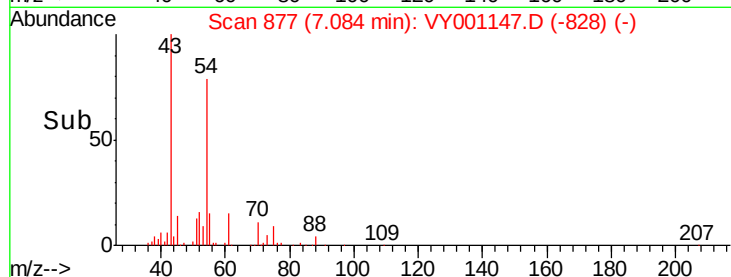
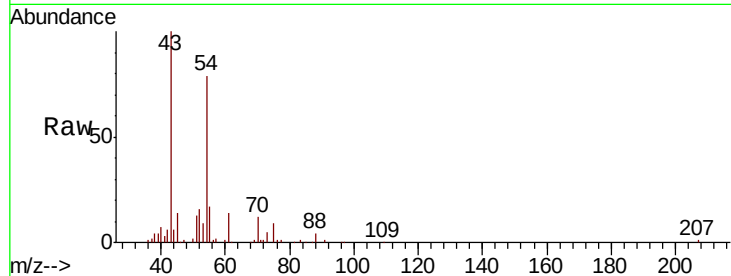
#37
Ethyl Acetate
Concen: 29.370 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	12.1	9.7	14.5

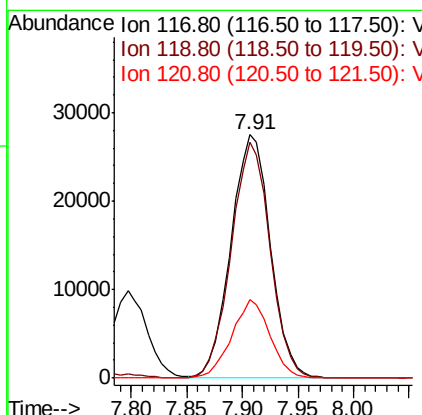
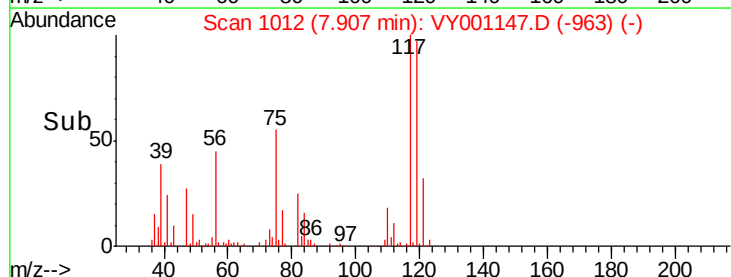
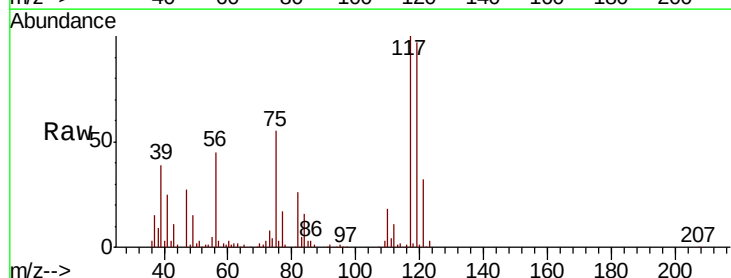
Manual Integrations
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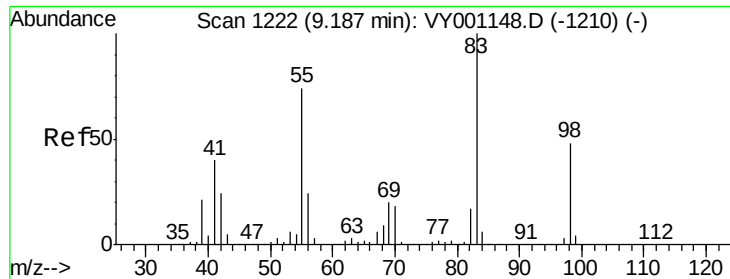
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#38
Carbon Tetrachloride
Concen: 19.704 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.3	117.5
121	32.3	23.5	35.3





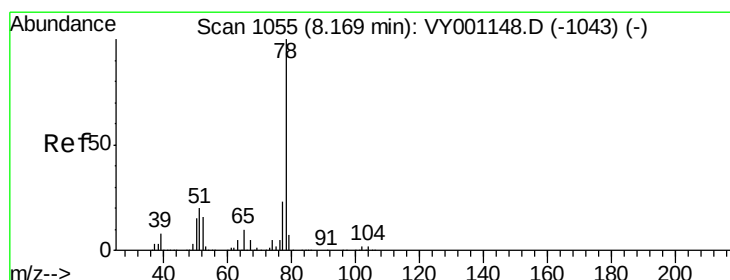
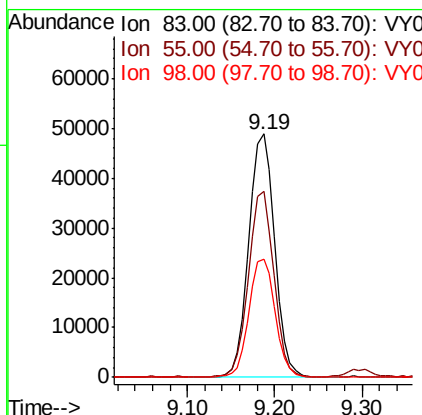
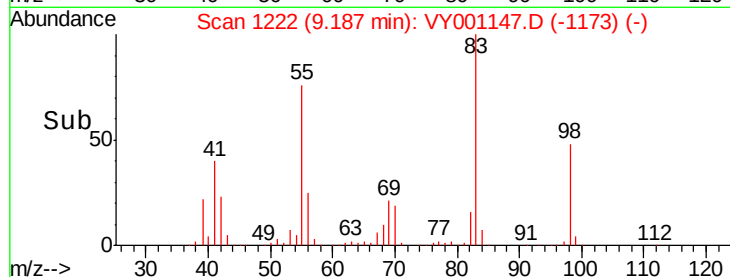
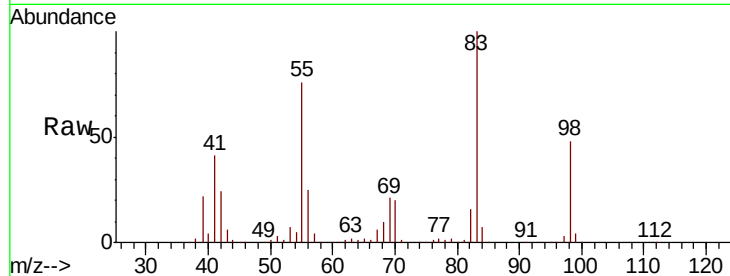
#39
Methylvlcyclohexane
Concen: 21.569 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	100460
Ion Ratio	Lower	Upper	
83	100		
55	76.1	58.9	88.3
98	48.4	38.4	57.6

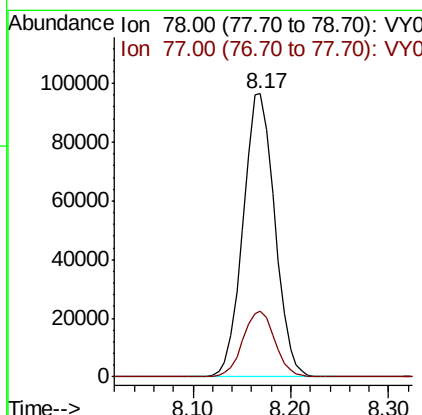
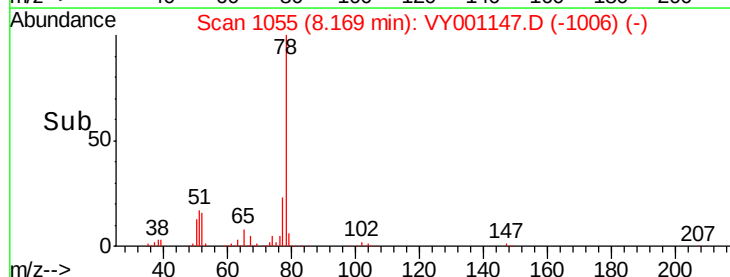
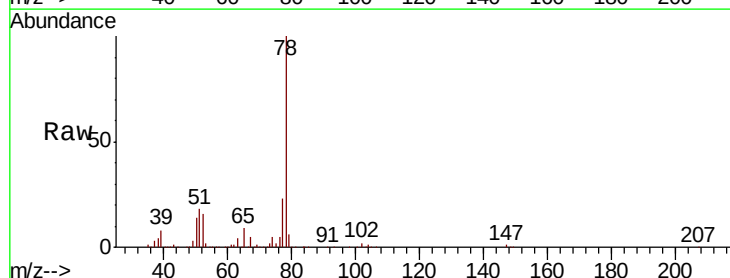
Manual Integrations
APPROVED

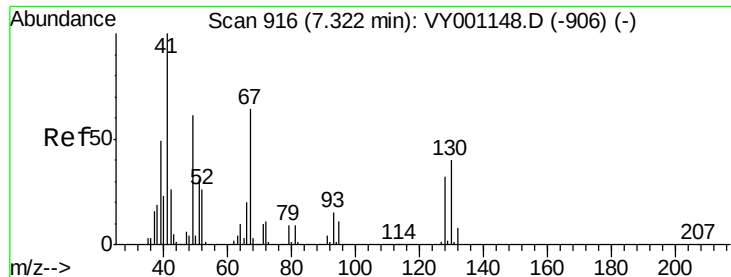
MMDadoda
1/13/2020 12:38:51 PM



#40
Benzene
Concen: 21.069 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	78	Resp	216963
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 22.196 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 16433

Ion Ratio Lower Upper

41 100

39 167.6 103.5 155.3#

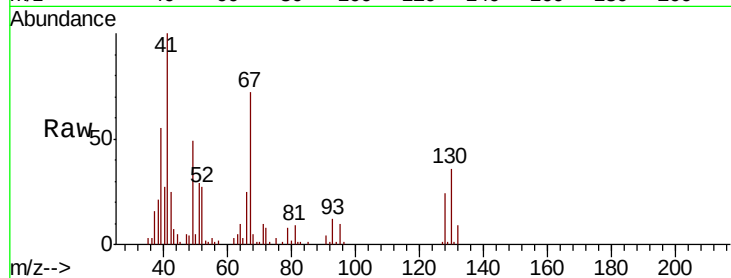
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

1/13/2020 12:38:51 PM

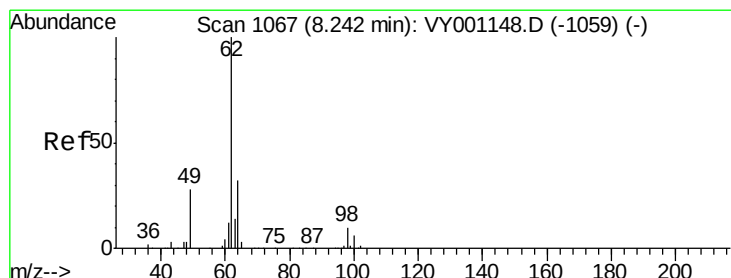
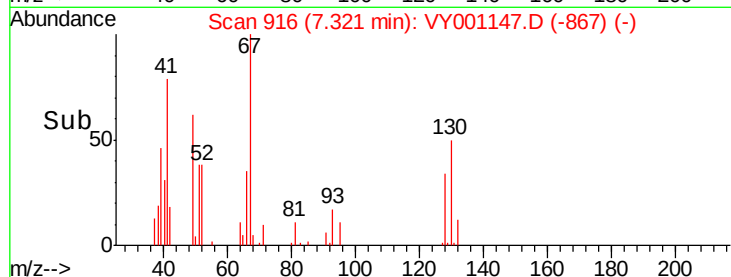
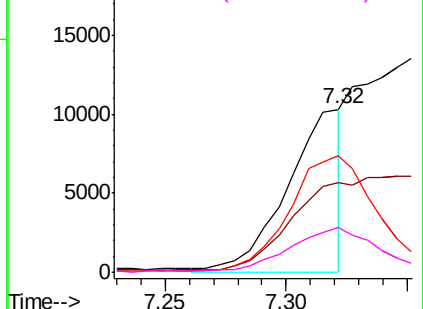


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 23.928 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY001147.D

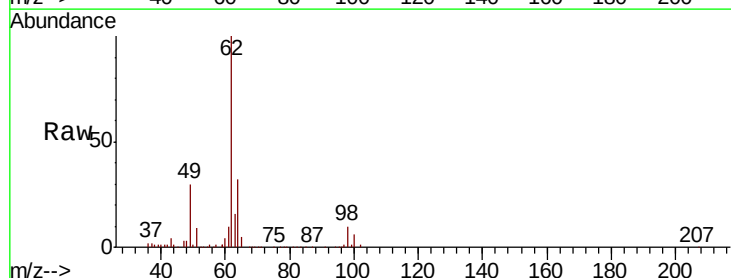
Acq: 10 Jan 2020 14:40

Tgt Ion: 62 Resp: 60498

Ion Ratio Lower Upper

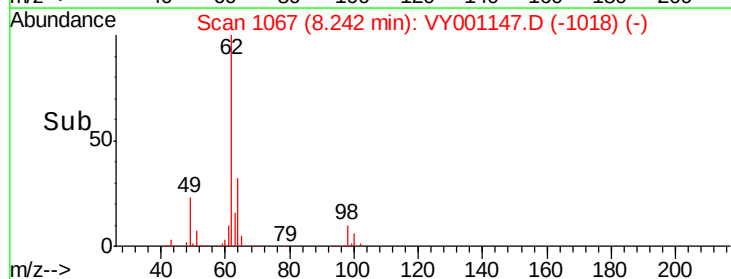
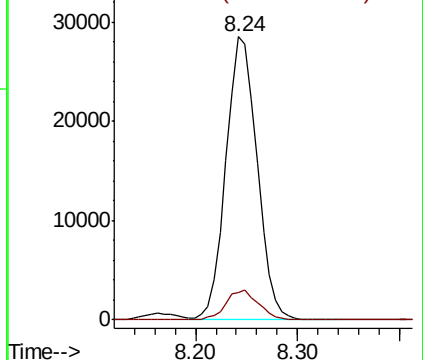
62 100

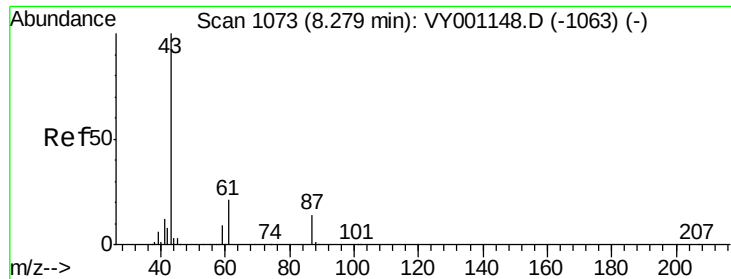
98 11.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





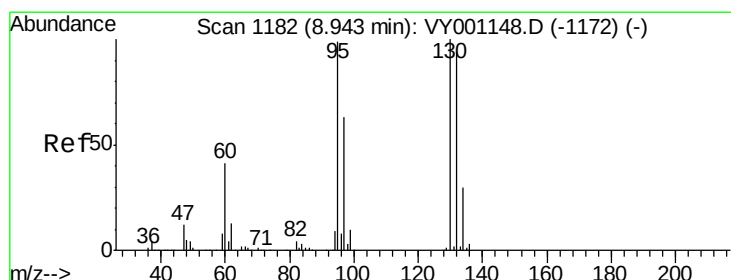
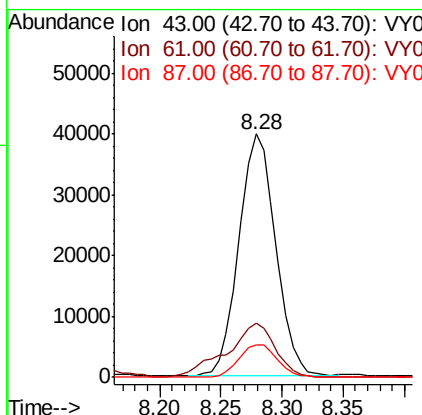
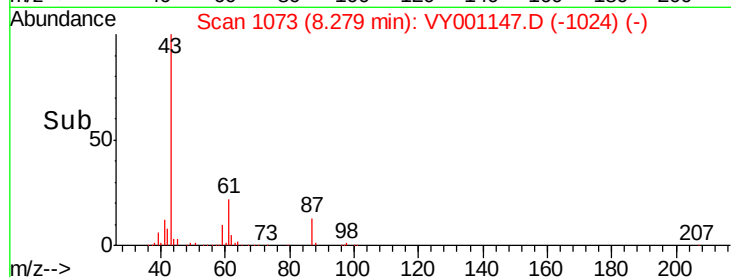
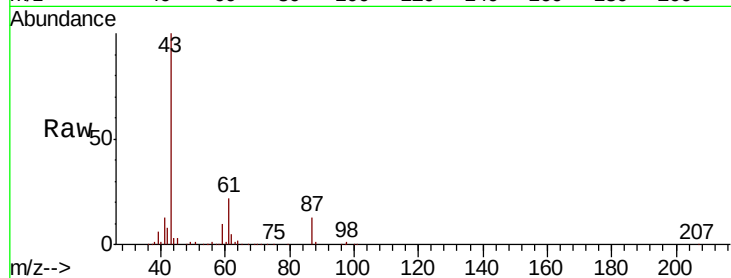
#43
Isopropyl Acetate
Concen: 28.345 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.9	35.9
87	14.1	11.4	17.2

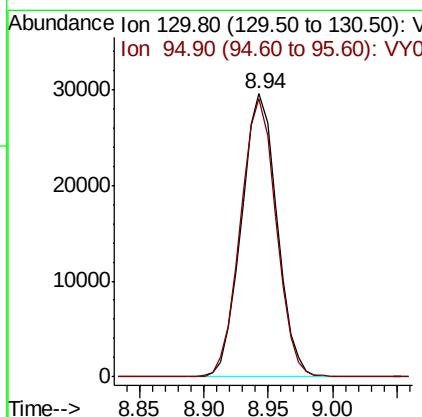
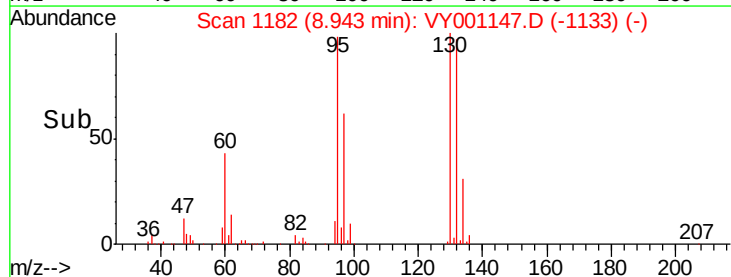
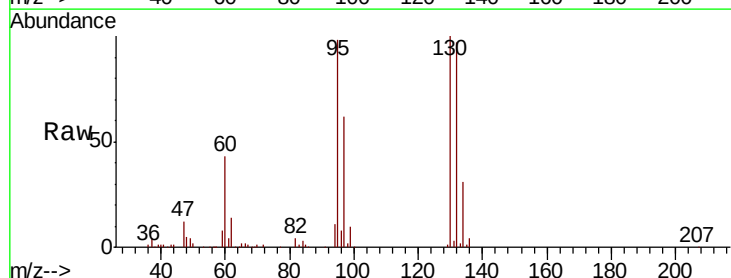
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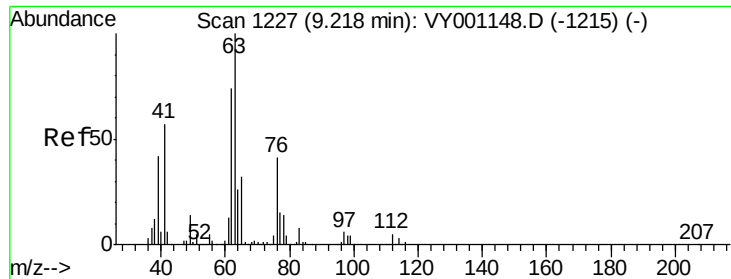
MMDadoda
1/13/2020 12:38:51 PM



#44
Trichloroethene
Concen: 18.654 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	197.6





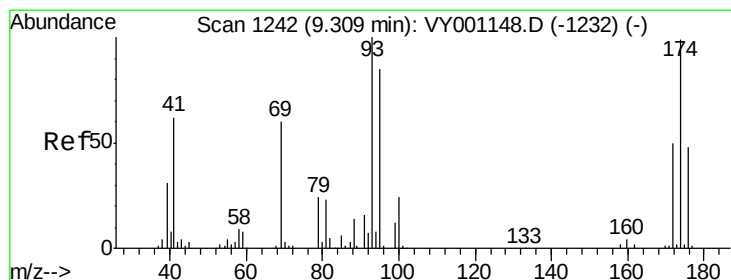
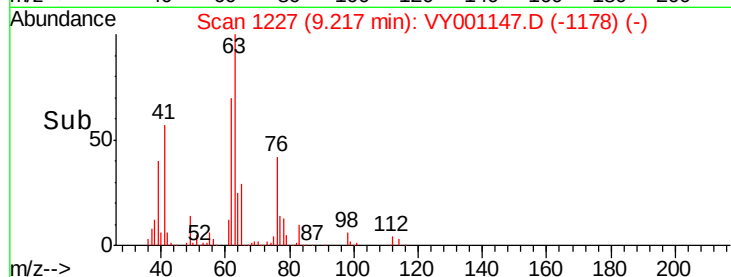
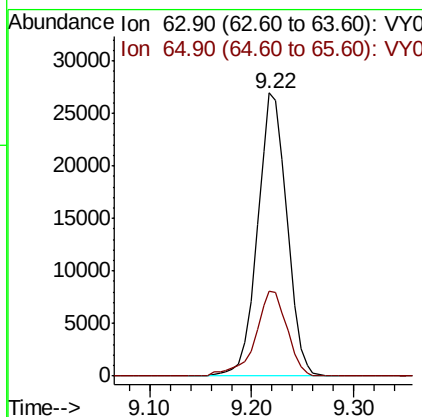
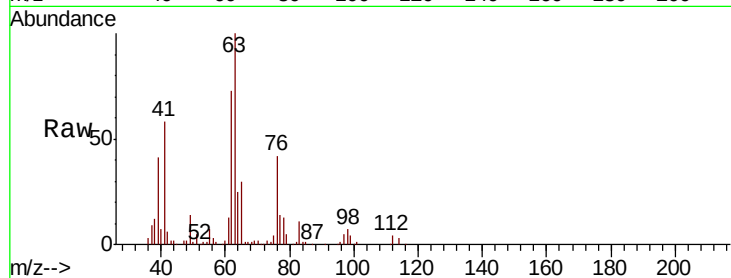
#45
 1,2-Dichloropropane
 Concen: 23.071 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.8	38.8

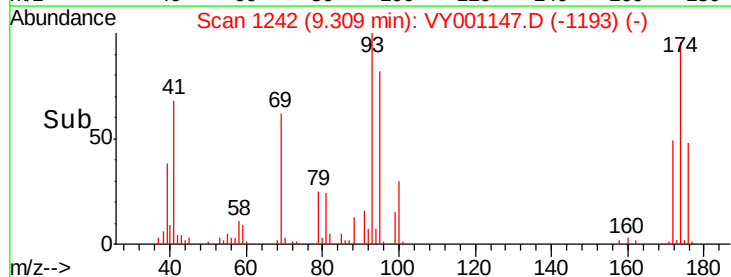
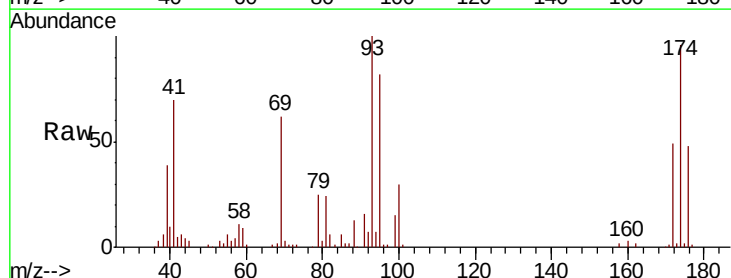
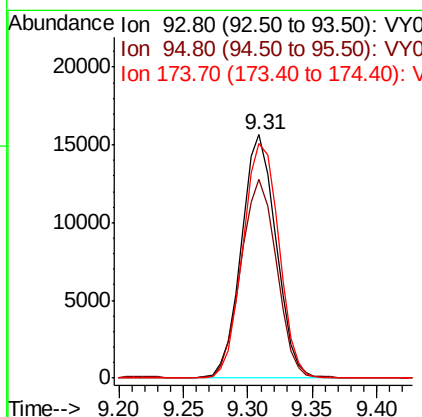
Manual Integrations
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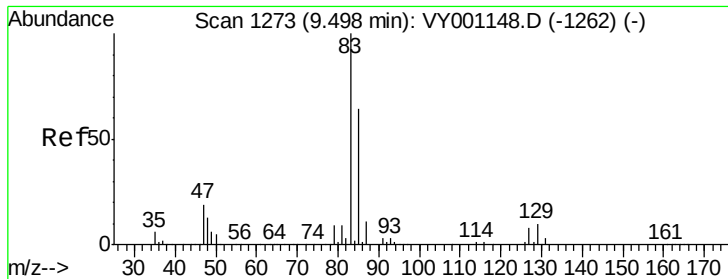
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#46
 Dibromomethane
 Concen: 21.425 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.8	100.2
174	99.9	78.4	117.6





#47

Bromodichloromethane

Concen: 22.809 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

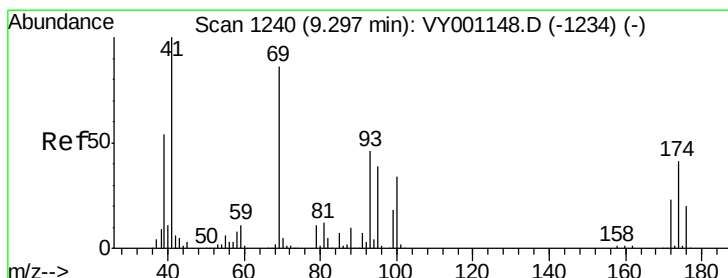
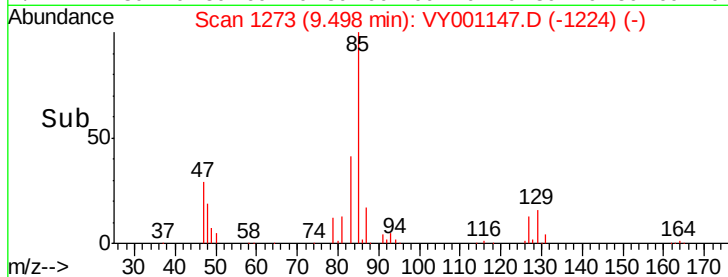
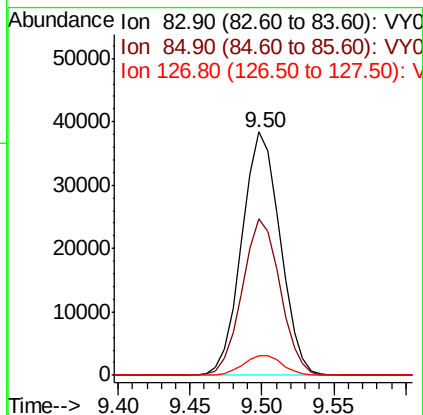
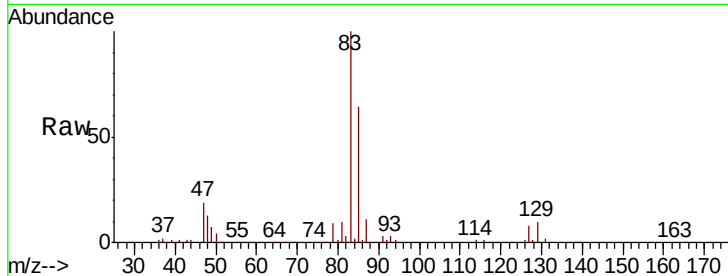
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	70869
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.1	6.3	9.5

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#48

Methyl methacrylate

Concen: 29.884 ug/l

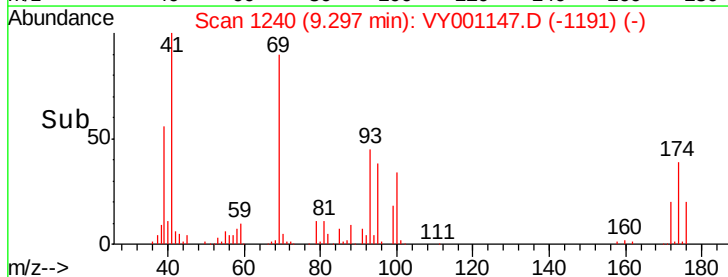
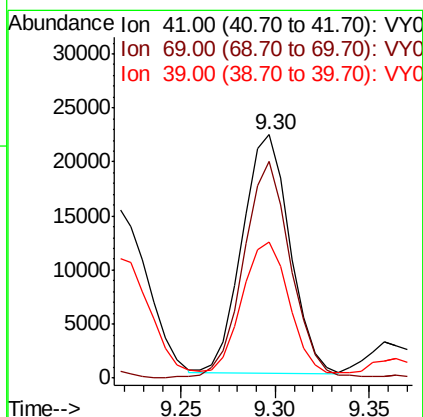
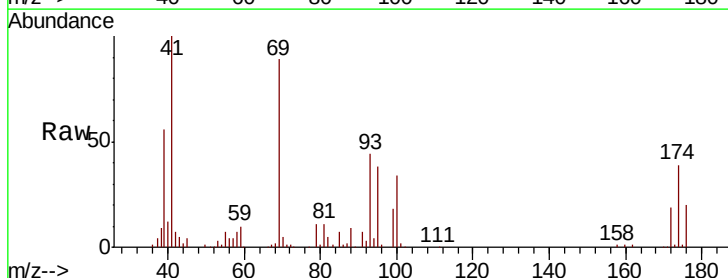
RT: 9.30 min Scan# 1240

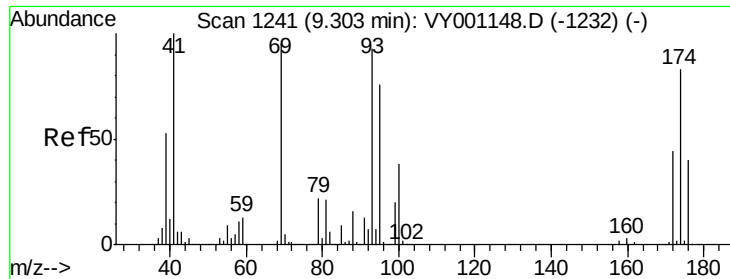
Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion:	41	Resp:	38423
Ion	Ratio	Lower	Upper
41	100		
69	89.3	69.8	104.8
39	58.6	45.2	67.8





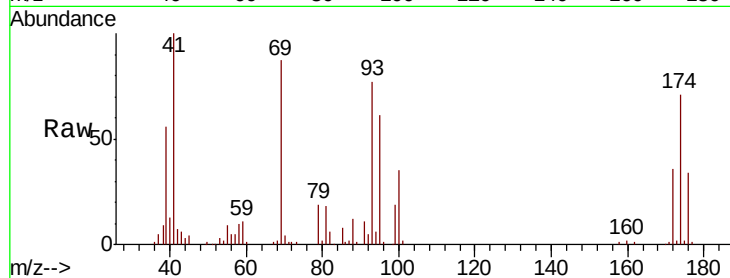
#49
 1,4-Dioxane
 Concen: 350.114 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.4	33.6
58	68.0	58.0	87.0

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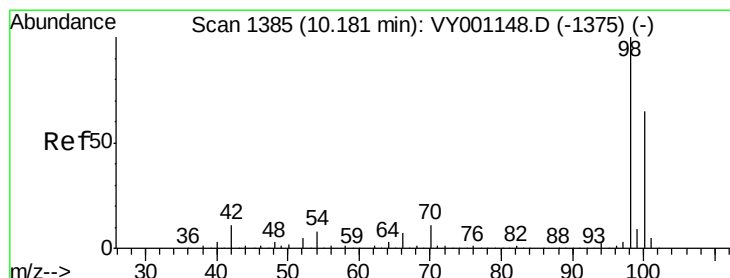
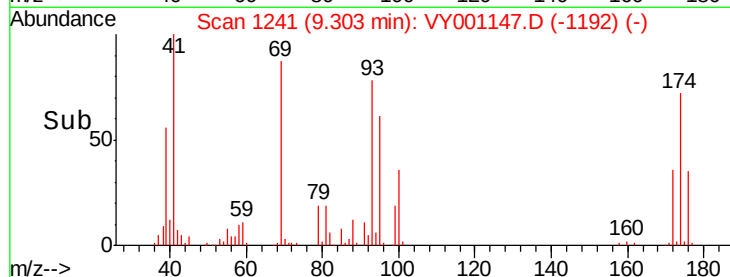
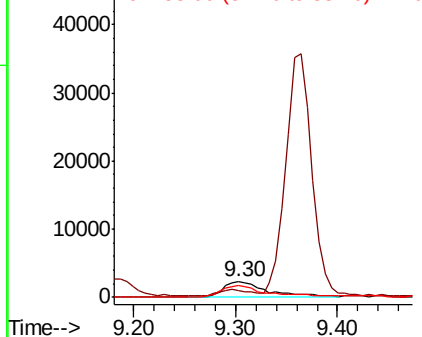


Abundance

Ion 88.00 (87.70 to 88.70): VY001148.D (-1232) (-)

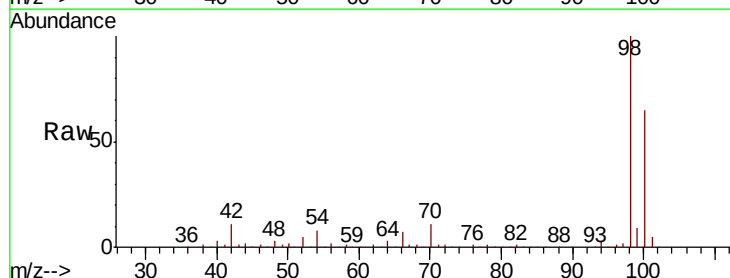
Ion 43.00 (42.70 to 43.70): VY001148.D (-1232) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-1232) (-)



#50
 Toluene-d8
 Concen: 19.526 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

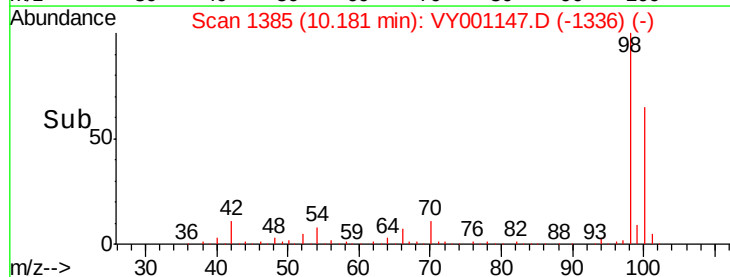
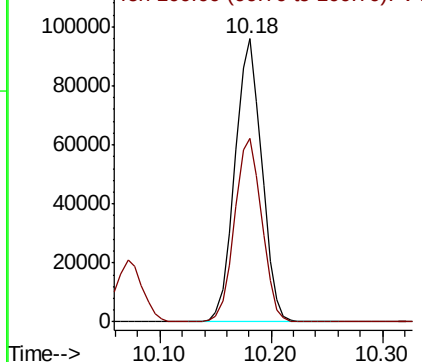
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7

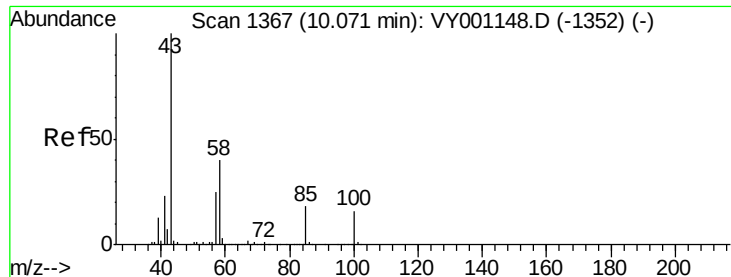


Abundance

Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY001148.D (-1375) (-)





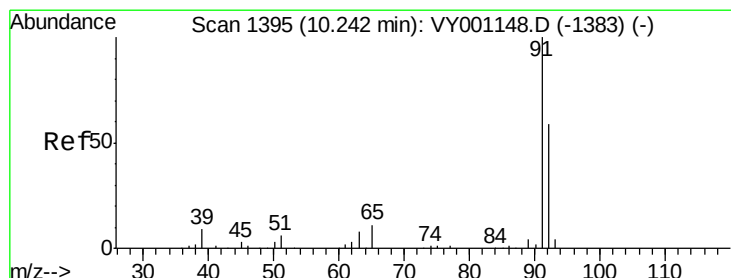
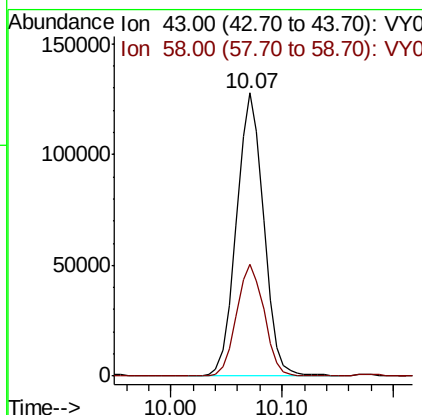
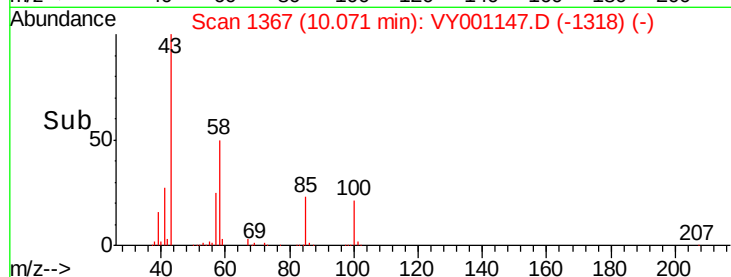
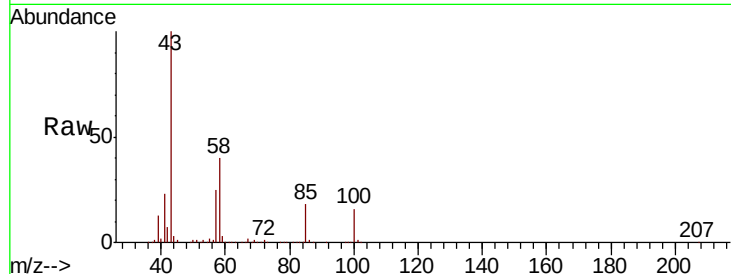
#51
4-Methyl-2-Pentanone
Concen: 151.241 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.3	48.5

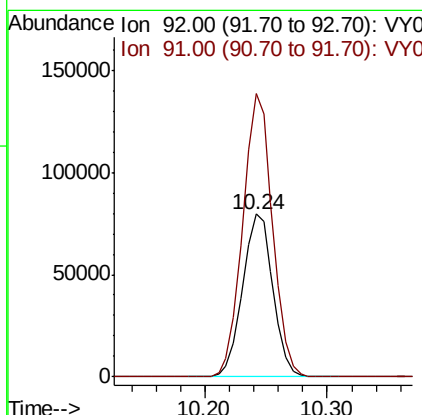
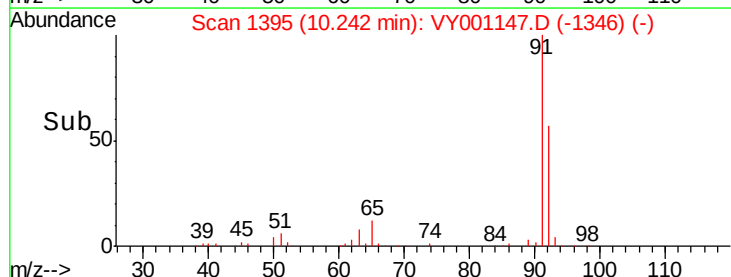
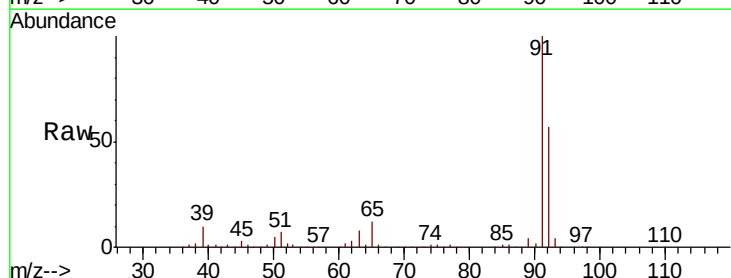
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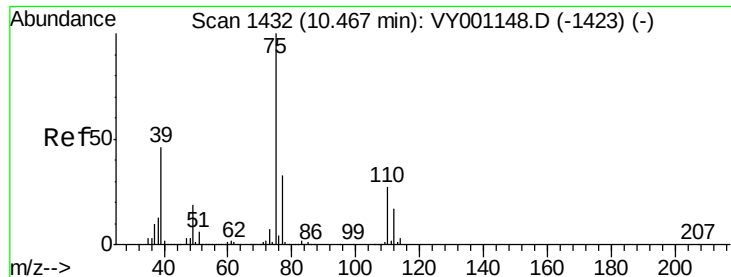
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#52
Toluene
Concen: 21.476 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 23.987 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 78797

Ion Ratio Lower Upper

75 100

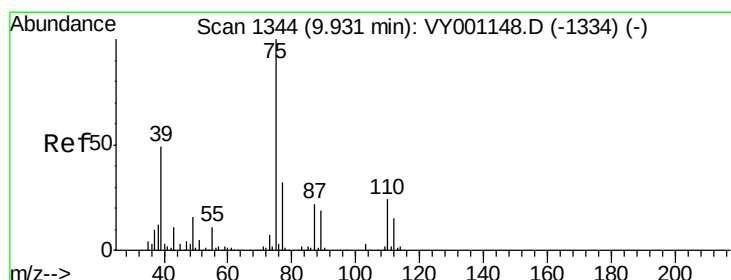
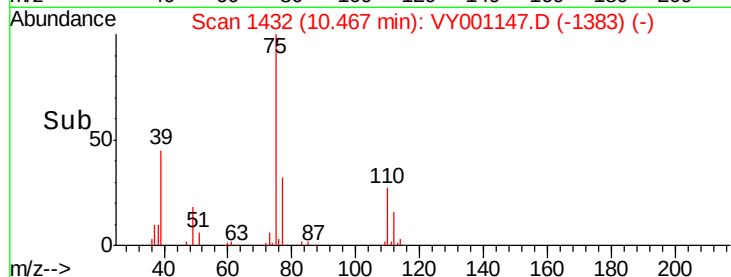
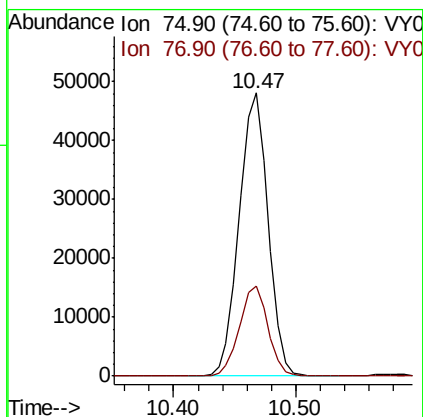
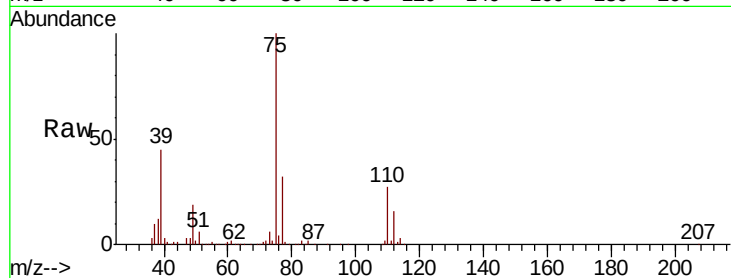
77 31.6 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 23.242 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

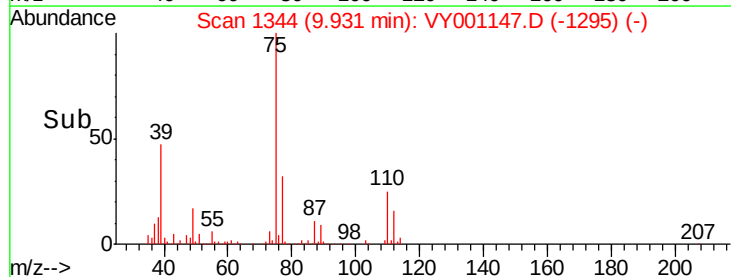
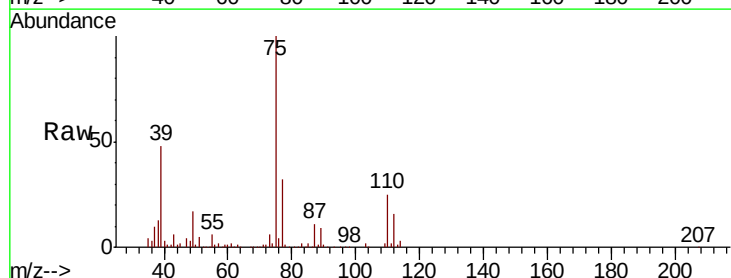
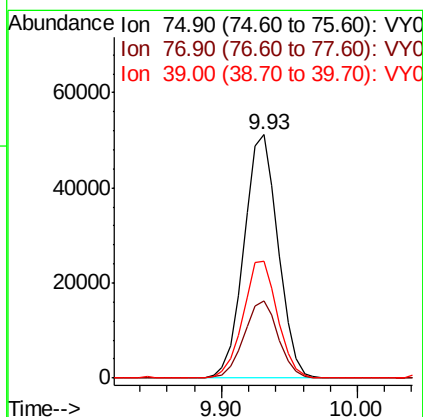
Tgt Ion: 75 Resp: 89648

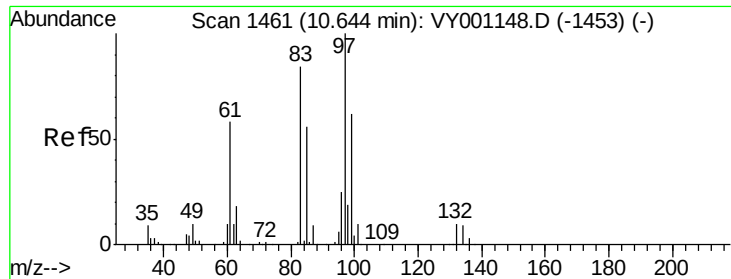
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 47.6 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 22.149 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 43368

Ion Ratio Lower Upper

97 100

83 82.5 67.2 100.8

85 52.6 44.9 67.3

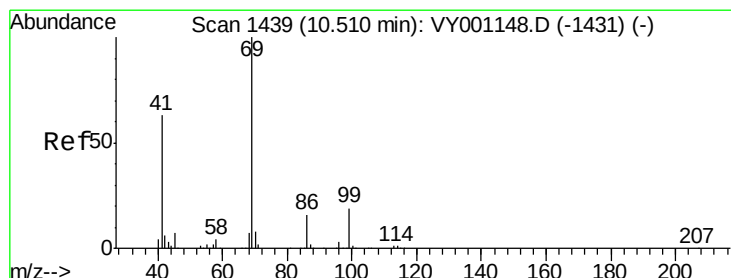
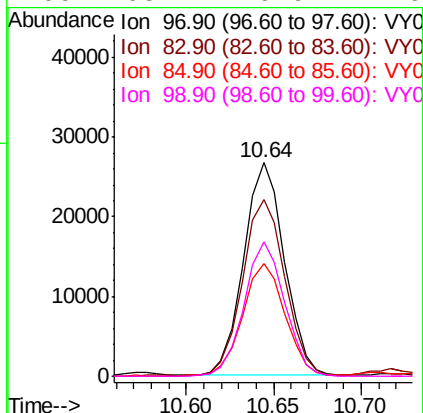
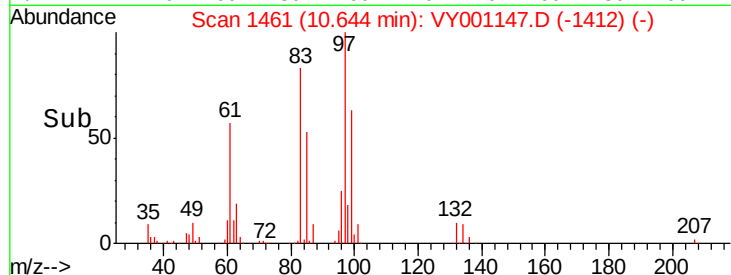
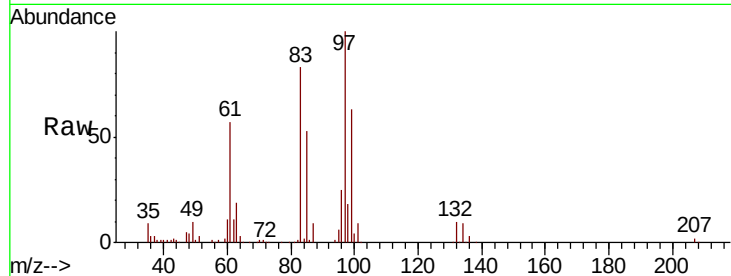
99 63.2 49.9 74.9

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#56

Ethyl methacrylate

Concen: 25.705 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

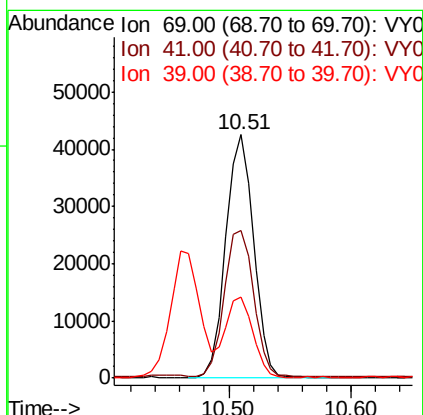
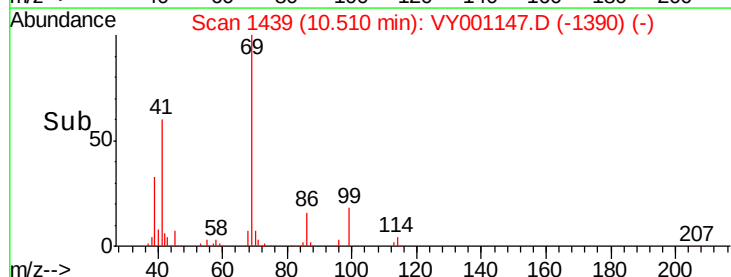
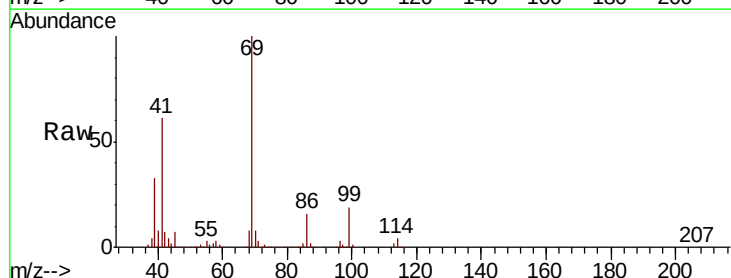
Tgt Ion: 69 Resp: 66696

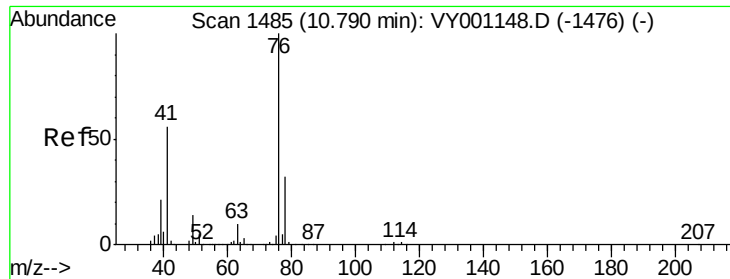
Ion Ratio Lower Upper

69 100

41 63.8 51.4 77.2

39 33.1 26.3 39.5





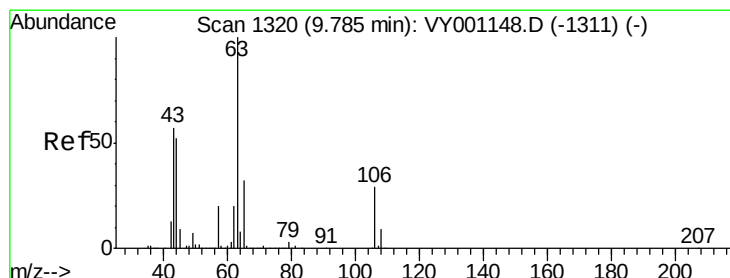
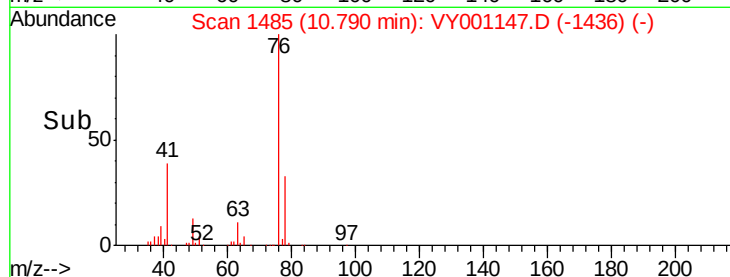
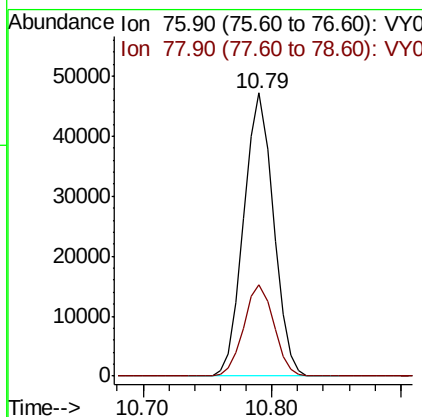
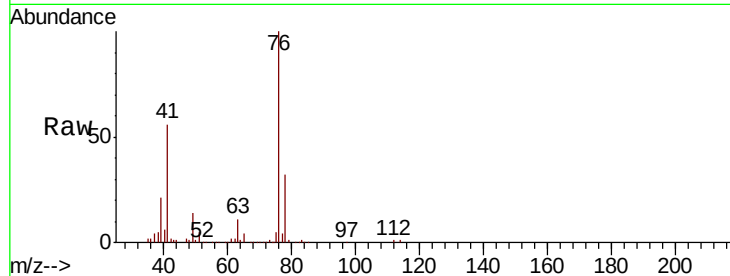
#57
 1,3-Dichloropropane
 Concen: 24.391 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

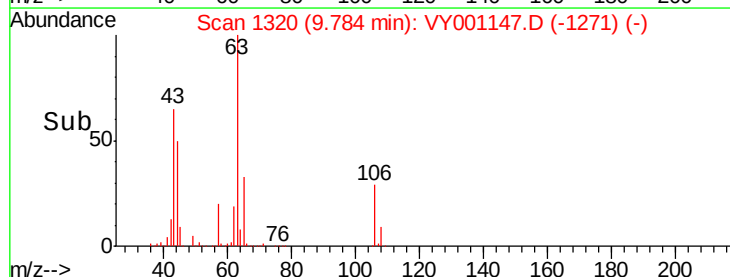
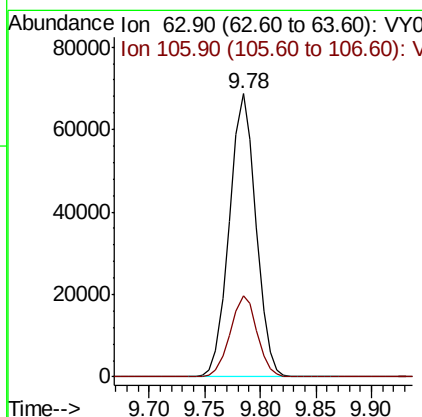
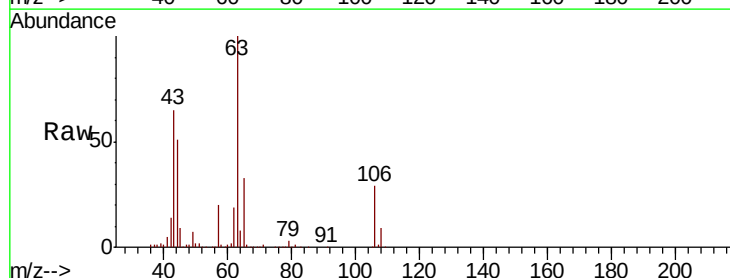
Manual Integrations
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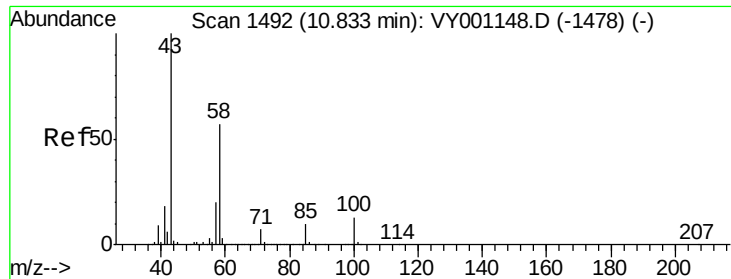
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#58
 2-Chloroethyl Vinyl ether
 Concen: 121.880 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6





#59

2-Hexanone

Concen: 159.521 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 151790

Ion Ratio Lower Upper

43 100

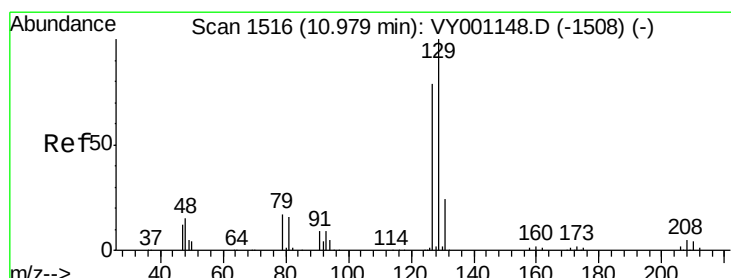
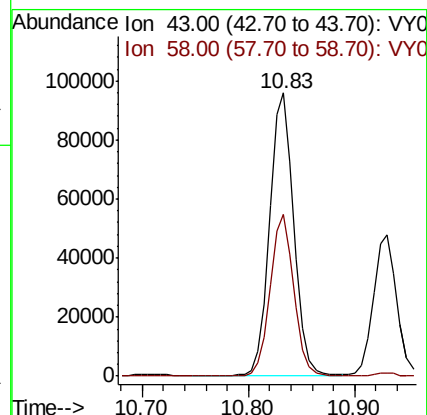
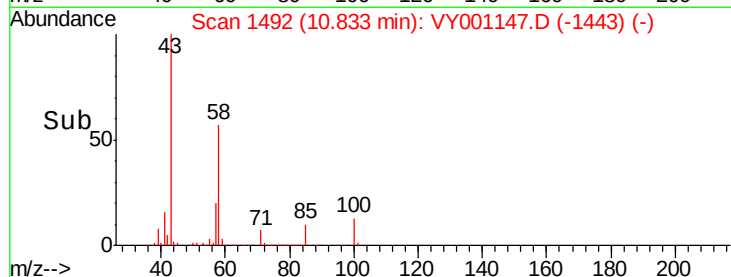
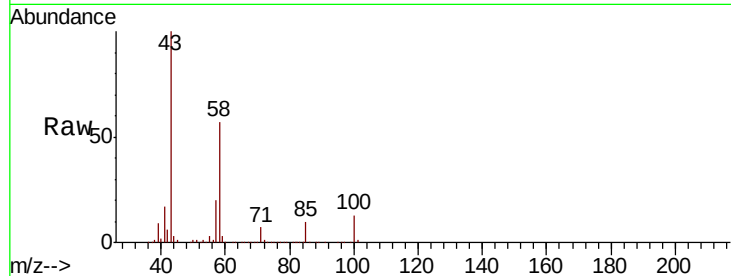
58 56.2 28.4 85.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 22.370 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VY001147.D

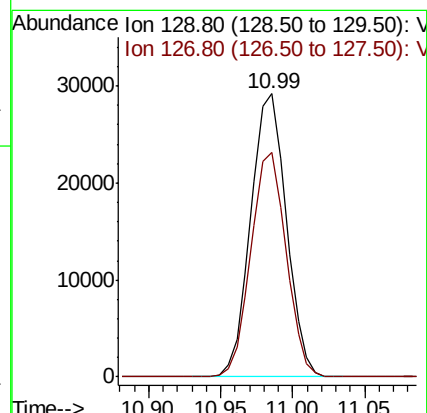
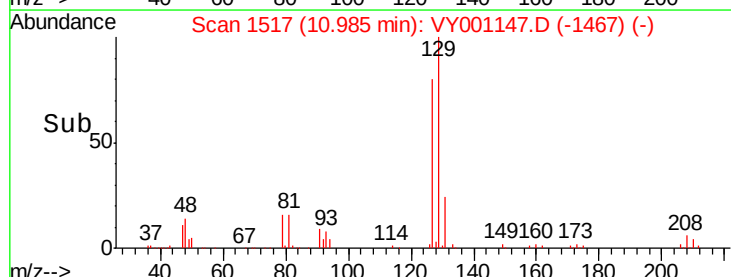
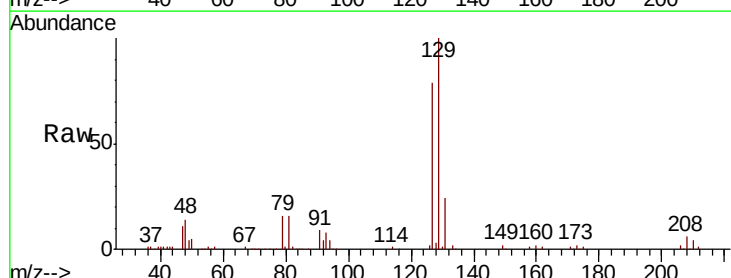
Acq: 10 Jan 2020 14:40

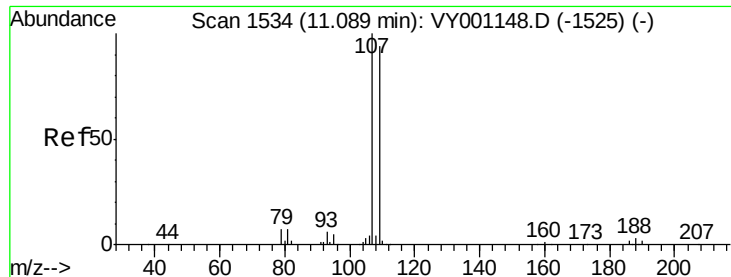
Tgt Ion: 129 Resp: 49959

Ion Ratio Lower Upper

129 100

127 78.5 38.9 116.7





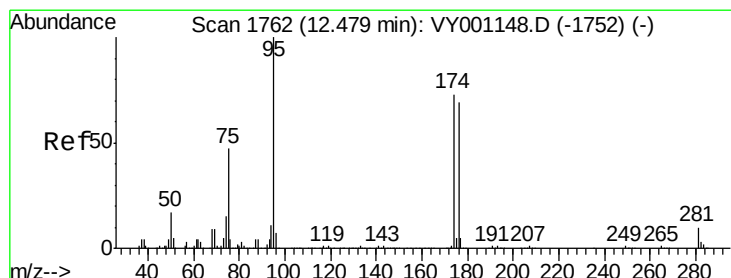
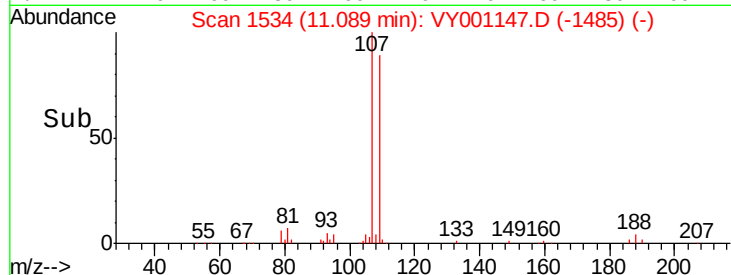
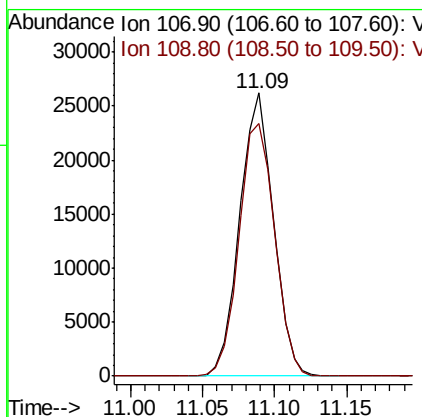
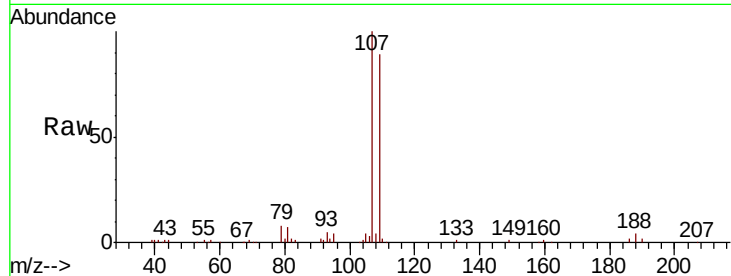
#61
 1,2-Dibromoethane
 Concen: 22.424 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 42529
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0

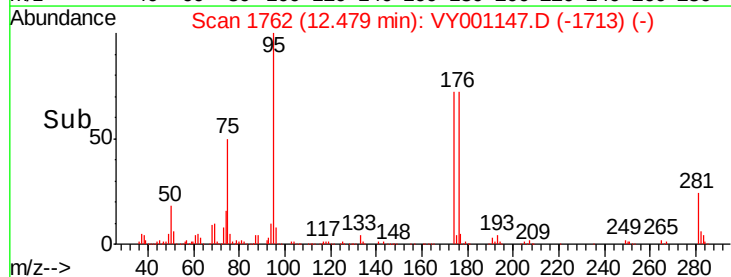
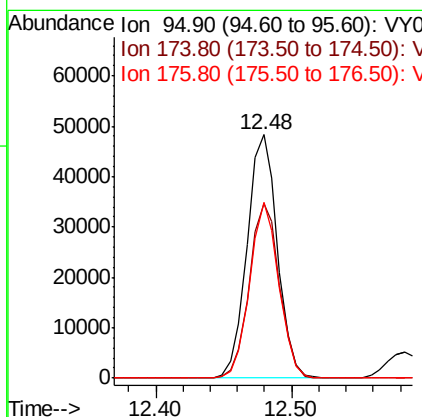
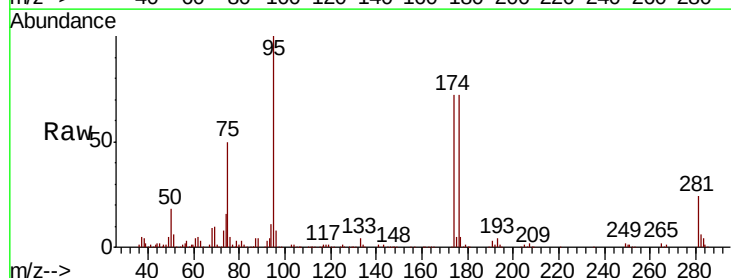
Manual Integrations
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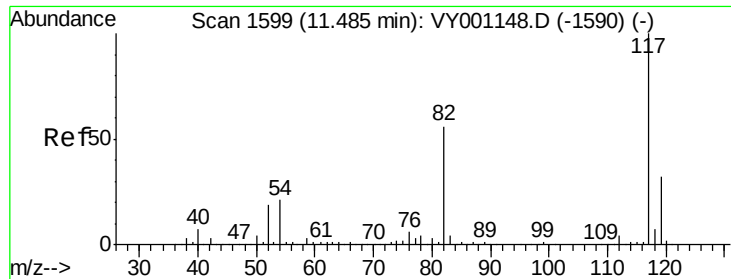
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#62
 4-Bromofluorobenzene
 Concen: 23.855 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion: 95 Resp: 75261
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 143.2
 176 69.4 0.0 136.0





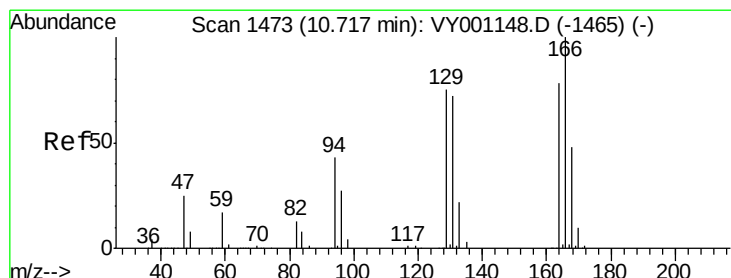
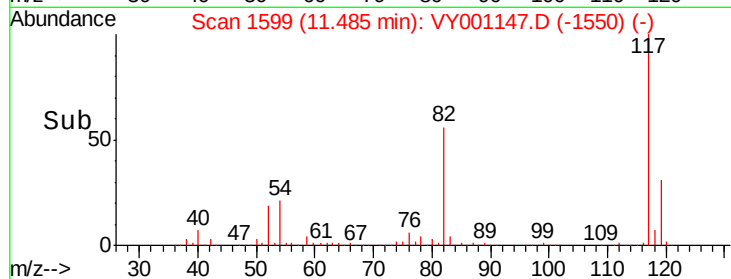
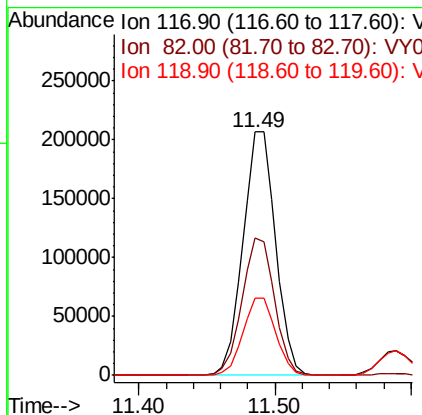
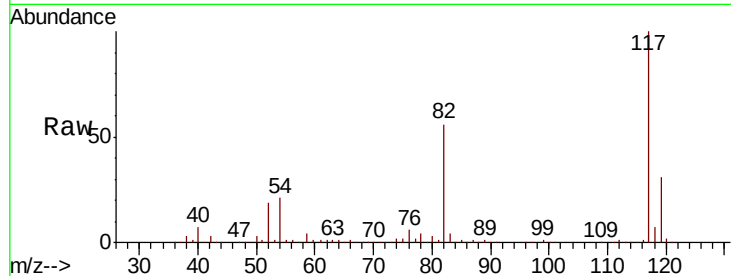
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.9	67.3
119	31.5	25.7	38.5

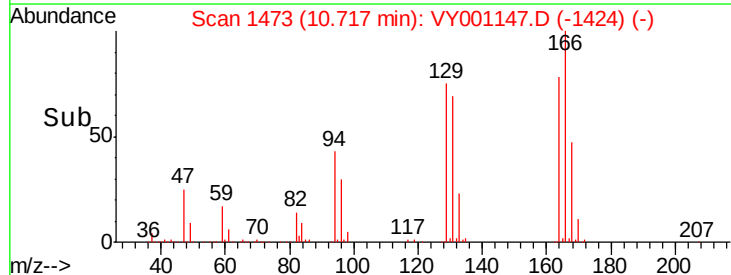
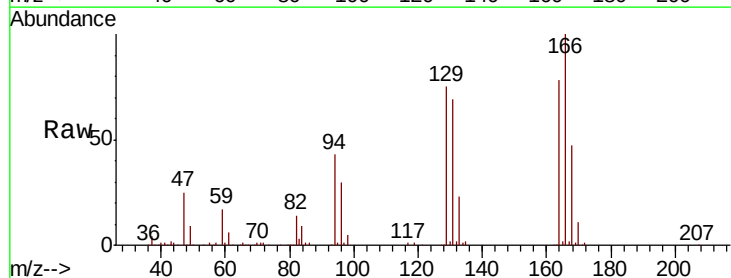
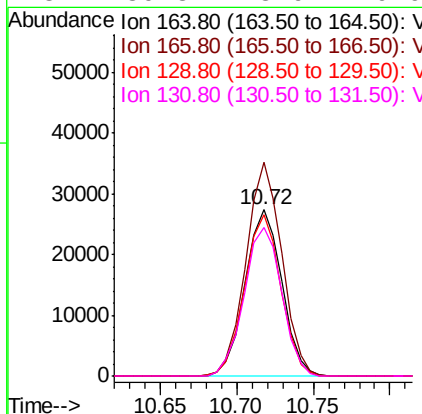
Manual Integrations
APPROVED

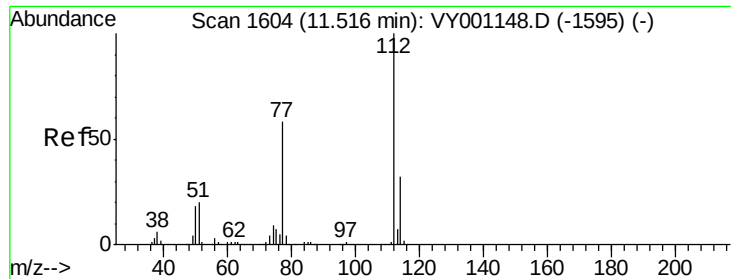
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#64
Tetrachloroethene
Concen: 14.873 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.3	153.5
129	96.8	76.2	114.4
131	89.3	73.9	110.9





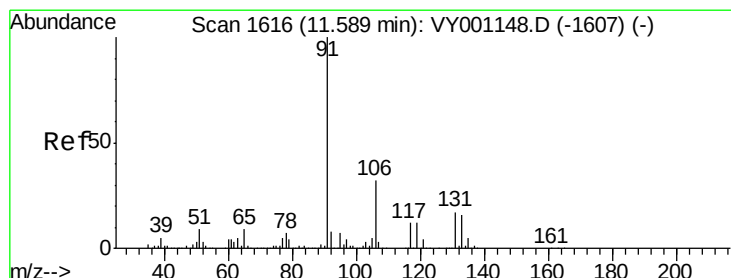
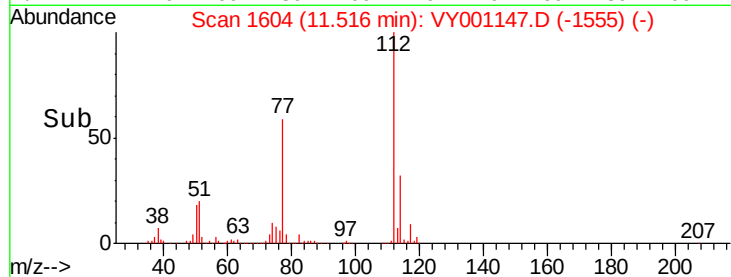
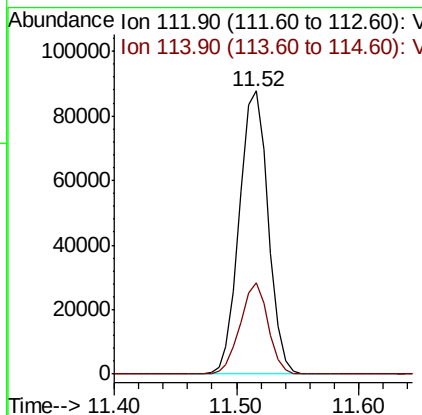
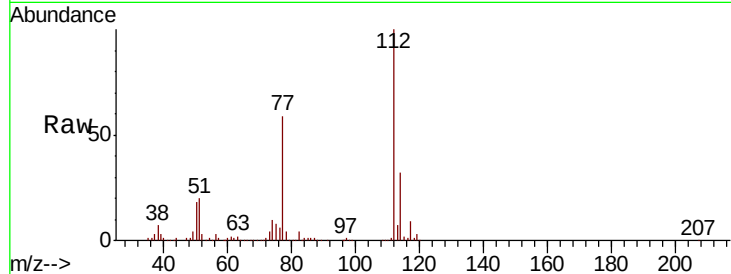
#65
Chlorobenzene
Concen: 19.680 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9

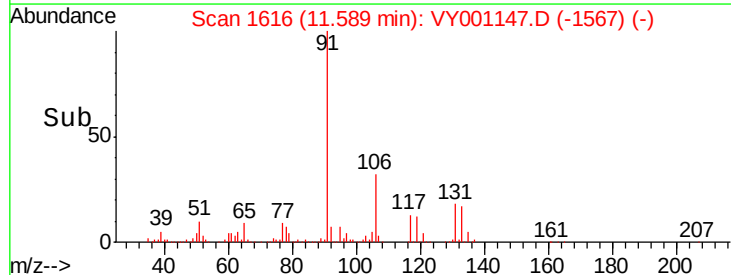
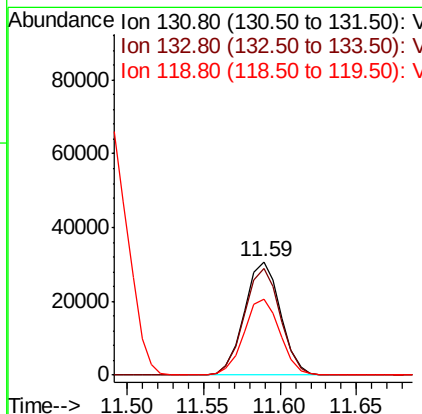
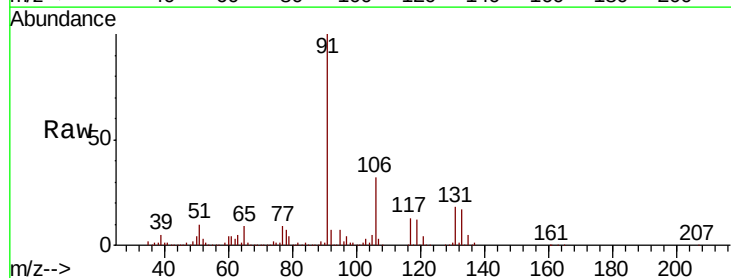
Manual Integrations
APPROVED

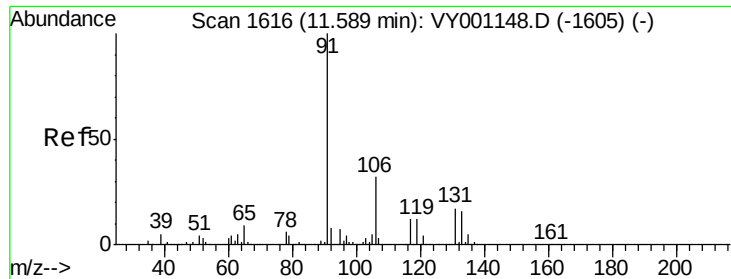
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.689 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	142.0
119	67.3	33.6	100.8





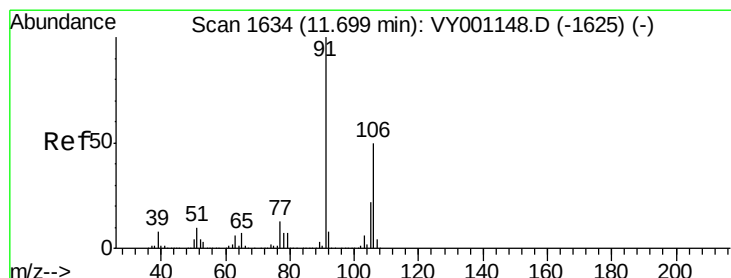
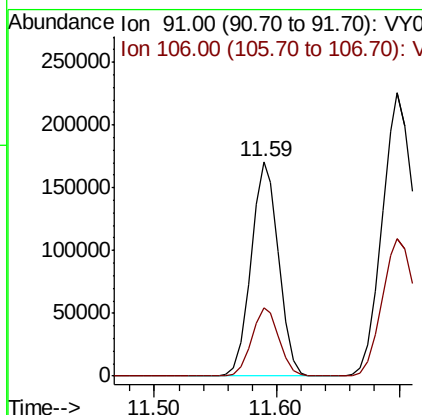
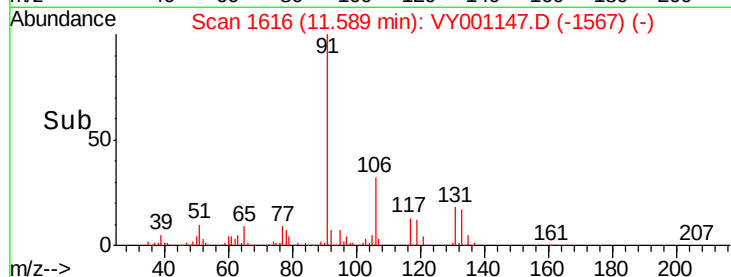
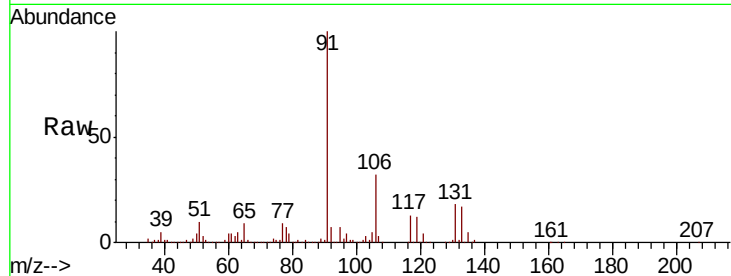
#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 266808
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

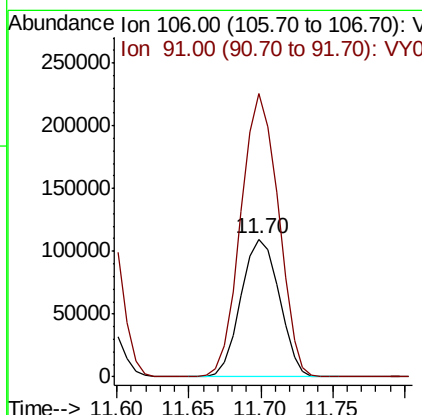
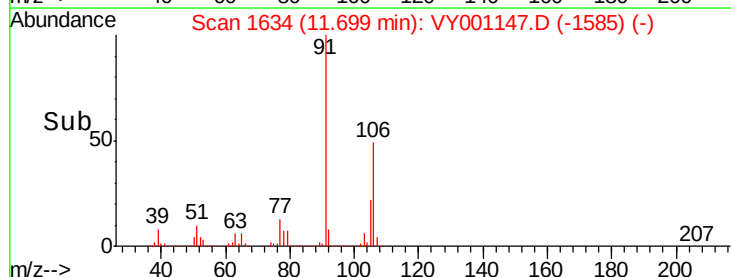
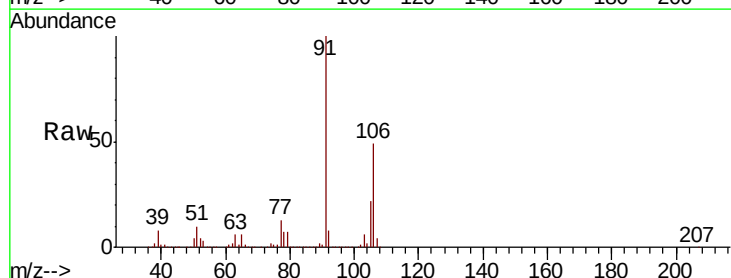
Manual Integrations
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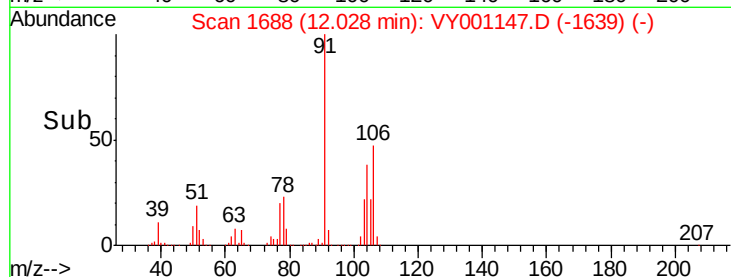
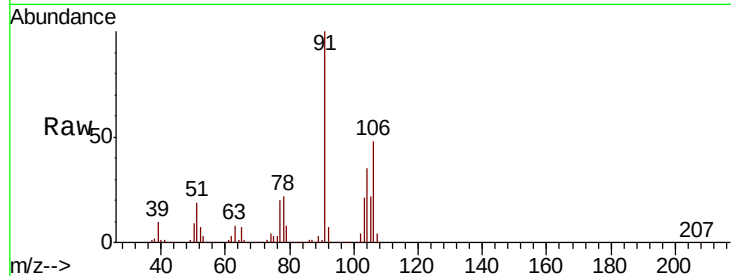
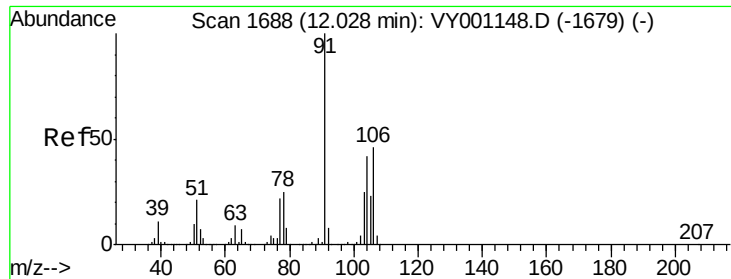
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#68
m/p-Xylenes
Concen: 40.428 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion: 106 Resp: 203600
Ion Ratio Lower Upper
106 100
91 200.6 161.4 242.2





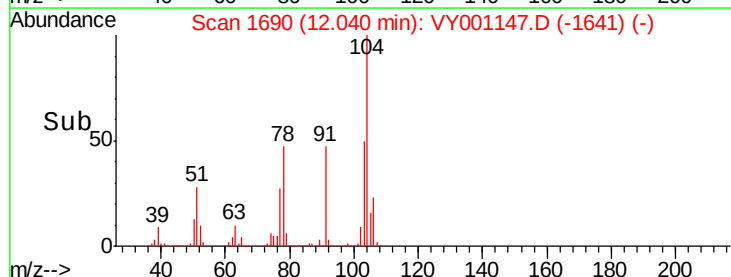
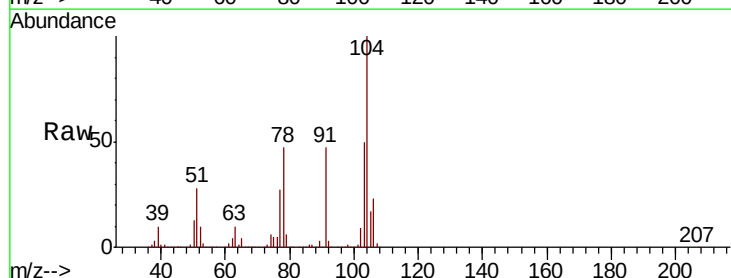
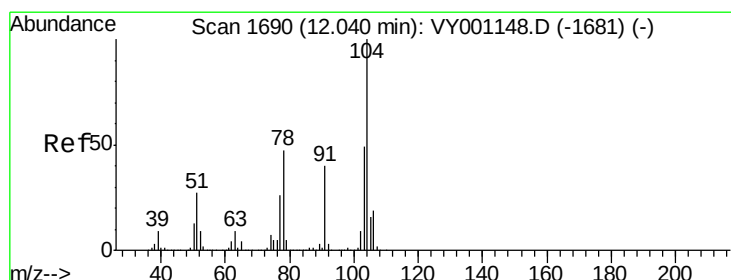
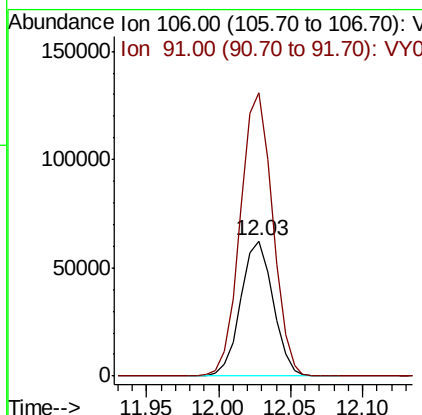
#69
o-Xylene
Concen: 20.349 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tot Ion:106 Resp: 97281
Ion Ratio Lower Upper
106 100
91 210.3 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

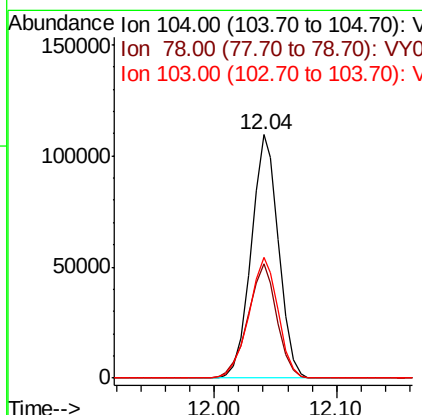
Manual Integrations
APPROVED

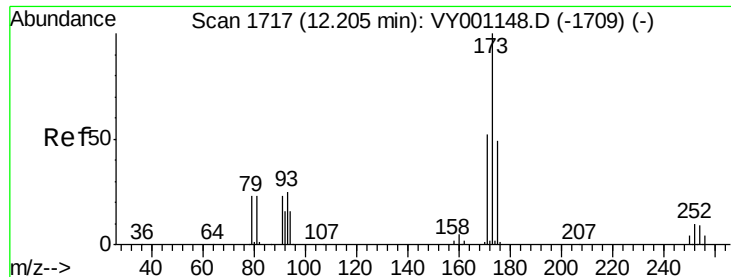
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#70
Styrene
Concen: 20.979 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion:104 Resp: 170452
Ion Ratio Lower Upper
104 100
78 49.6 40.5 60.7
103 53.0 42.4 63.6





#71

Bromoform

Concen: 20.261 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 30988

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.2

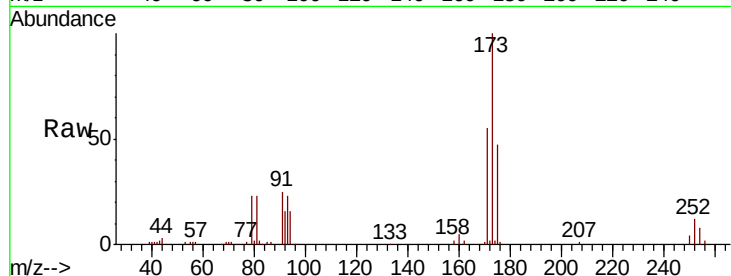
254 0.0 0.1 0.1#

Manual Integrations

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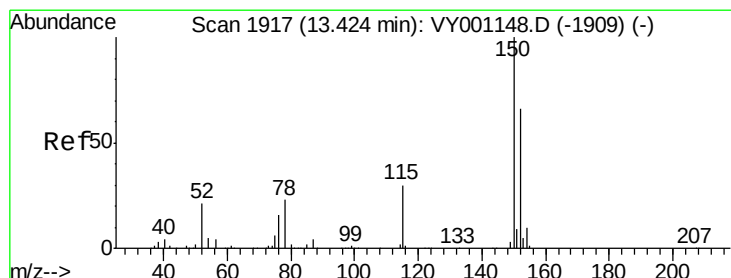
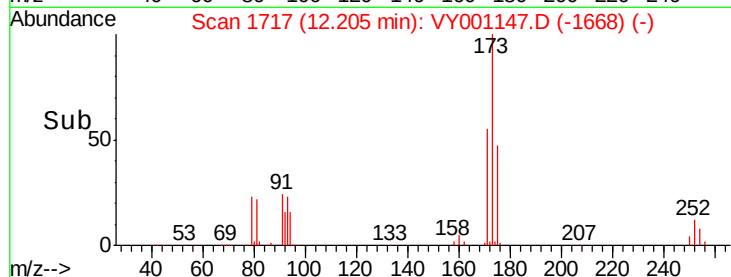
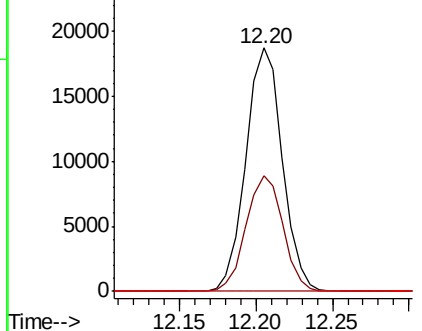
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

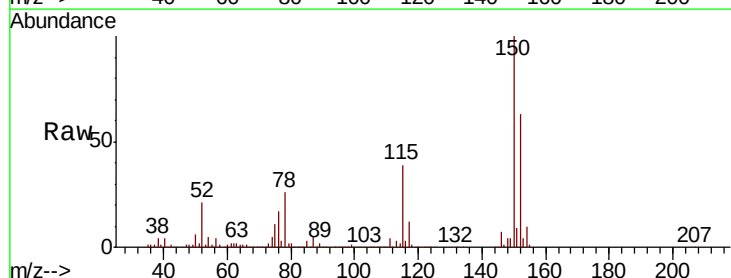
Tgt Ion:152 Resp: 168811

Ion Ratio Lower Upper

152 100

115 62.4 30.9 92.5

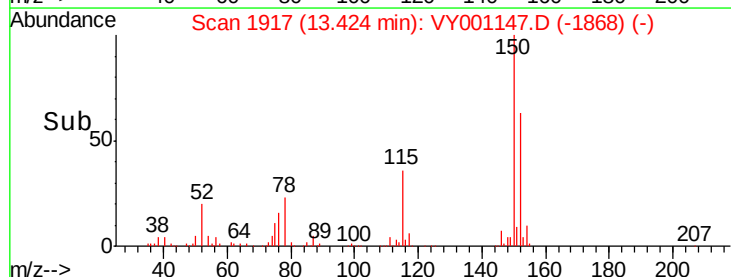
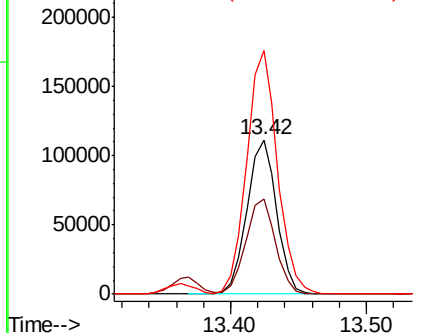
150 164.6 0.0 346.8

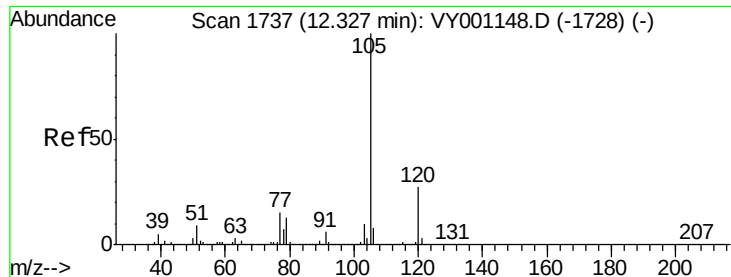


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





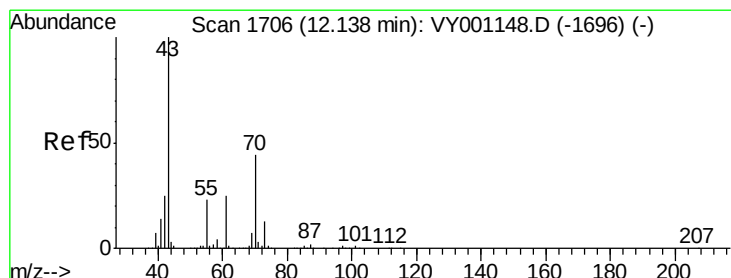
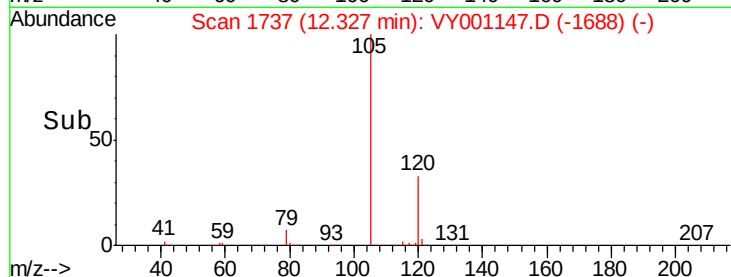
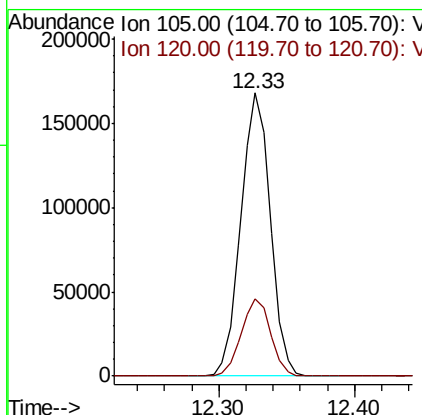
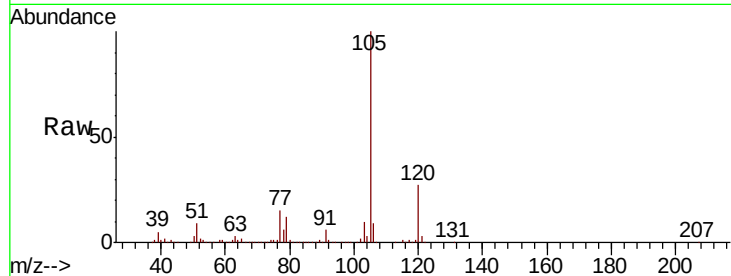
#73
Isopropylbenzene
Concen: 20.108 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.4	40.2

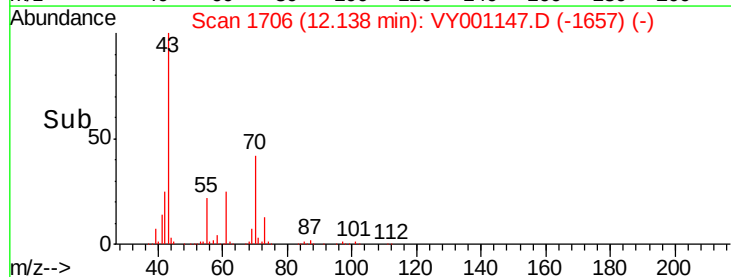
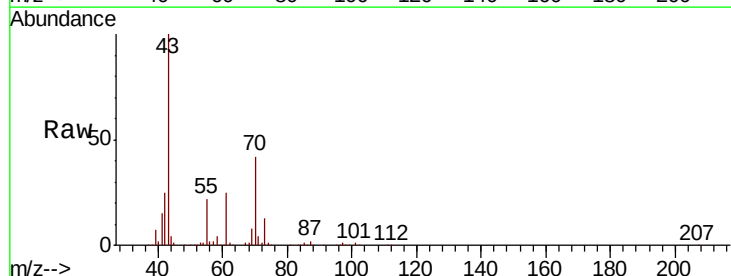
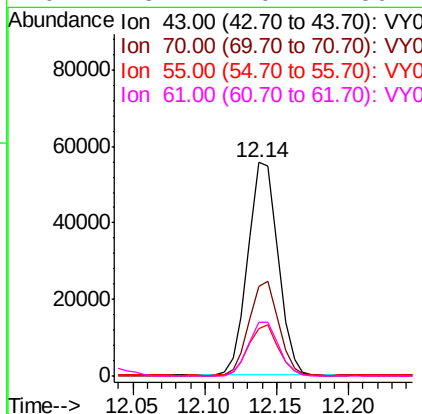
Manual Integrations
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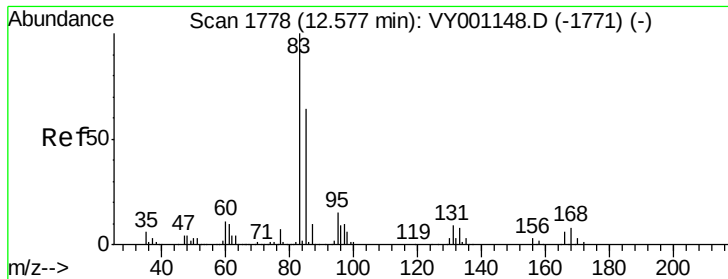
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#74
N-ethyl acetate
Concen: 30.175 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.0	52.6
55	23.2	18.4	27.6
61	25.7	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.498 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 54496

Ion Ratio Lower Upper

83 100

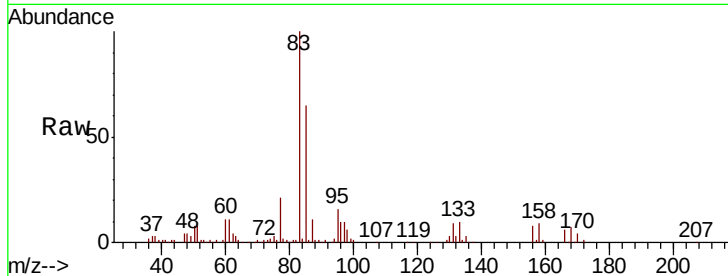
131 10.0 5.1 15.3

85 64.7 32.2 96.6

Manual Integrations
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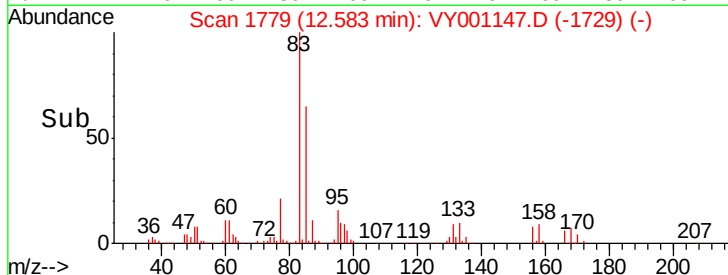


Abundance Ion 82.90 (82.60 to 83.60): VY001147.D (-1779) (-)

Ion 130.80 (130.50 to 131.50): VY001147.D (-1779) (-)

Ion 84.90 (84.60 to 85.60): VY001147.D (-1779) (-)

Time-->



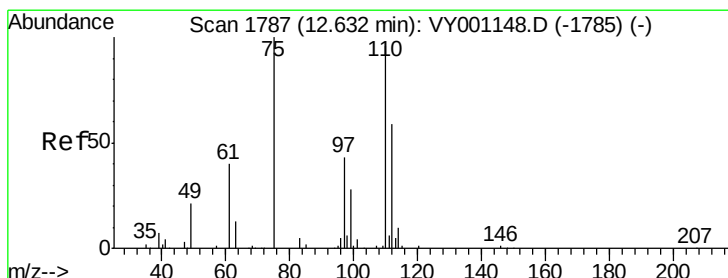
Abundance

Ion 82.90 (82.60 to 83.60): VY001147.D (-1779) (-)

Ion 130.80 (130.50 to 131.50): VY001147.D (-1779) (-)

Ion 84.90 (84.60 to 85.60): VY001147.D (-1779) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.071 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001147.D

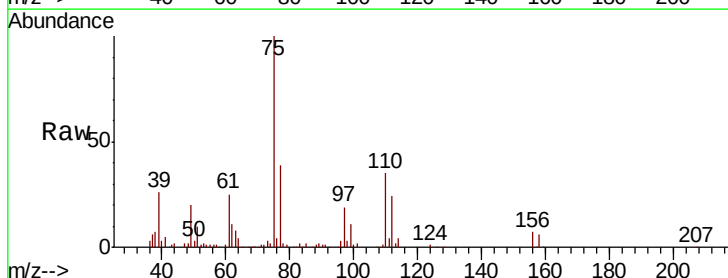
Acq: 10 Jan 2020 14:40

Tgt Ion: 75 Resp: 36709

Ion Ratio Lower Upper

75 100

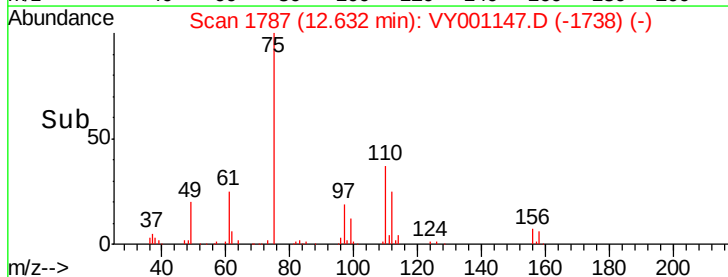
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001147.D (-1787) (-)

Ion 77.00 (76.70 to 77.70): VY001147.D (-1787) (-)

Time-->

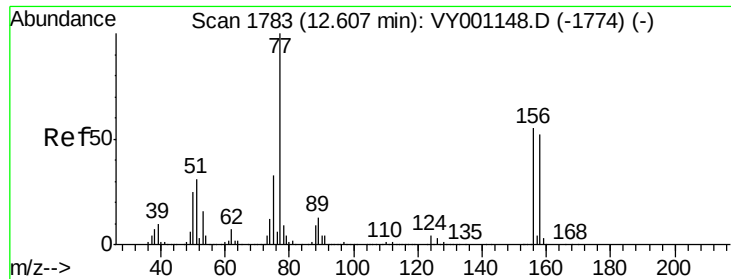


Abundance

Ion 74.90 (74.60 to 75.60): VY001147.D (-1787) (-)

Ion 77.00 (76.70 to 77.70): VY001147.D (-1787) (-)

Time-->



#77

Bromobenzene

Concen: 18.965 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 57615

Ion Ratio Lower Upper

156 100

77 206.7 106.7 320.1

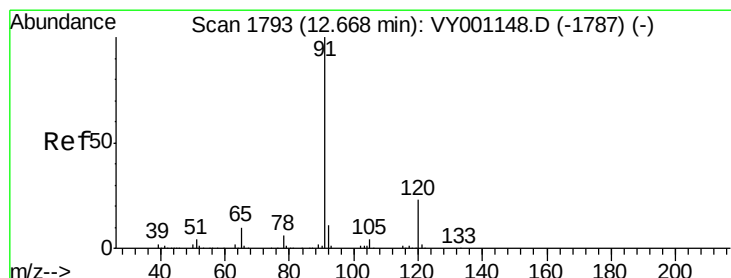
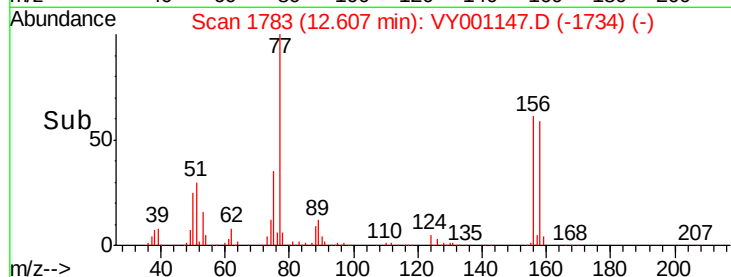
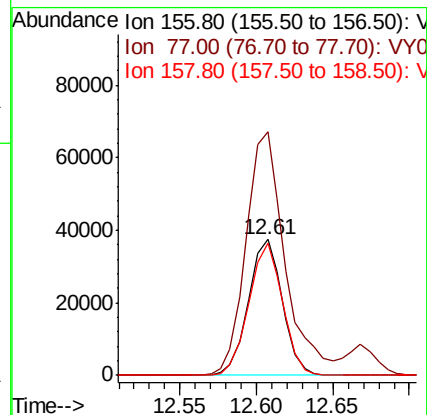
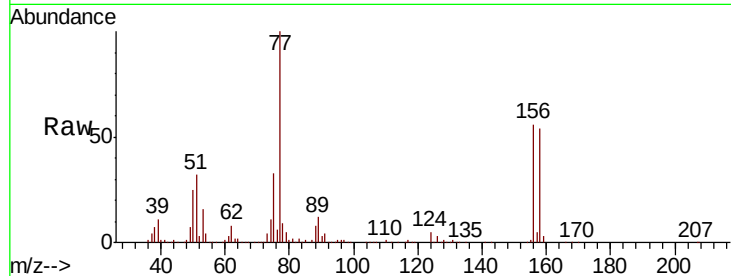
158 96.7 48.3 144.8

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#78

n-propylbenzene

Concen: 20.659 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001147.D

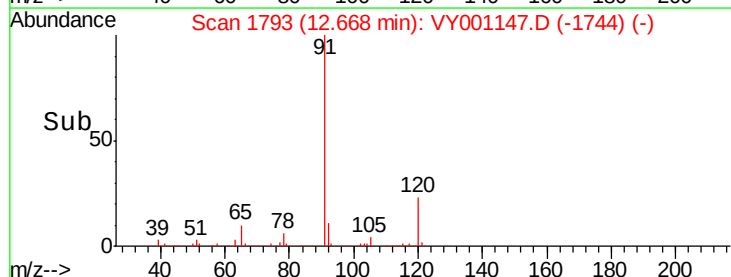
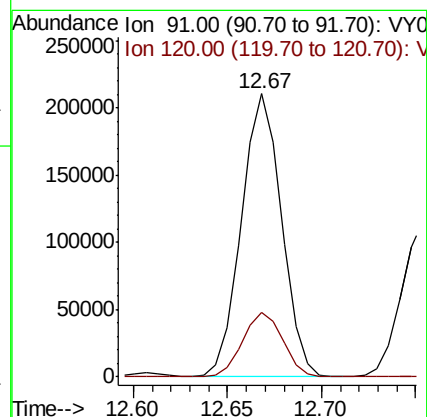
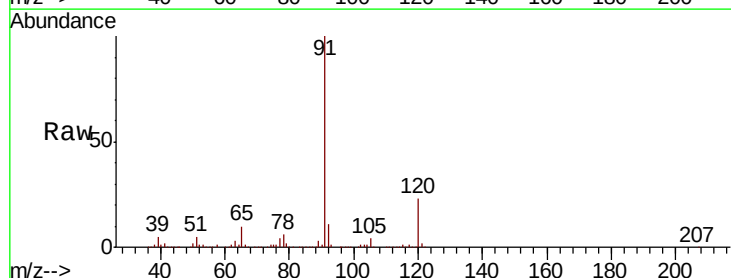
Acq: 10 Jan 2020 14:40

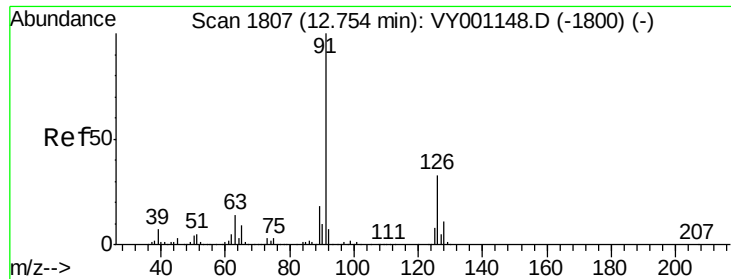
Tgt Ion: 91 Resp: 310794

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4





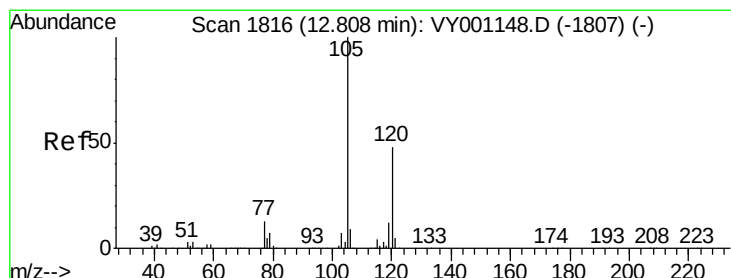
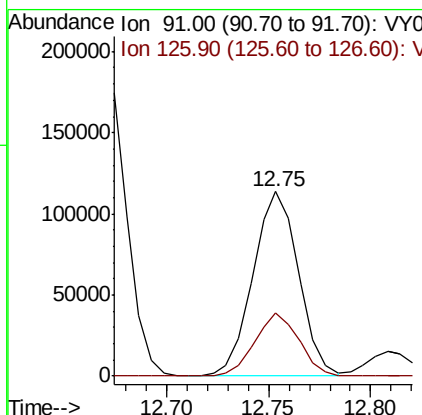
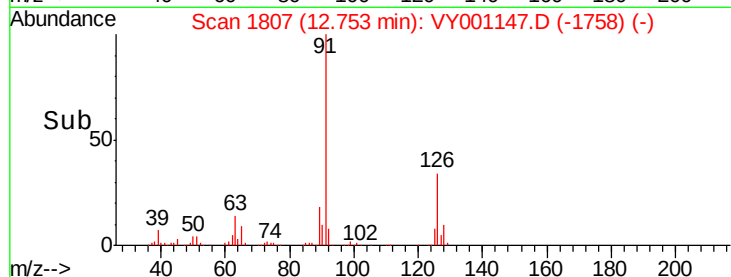
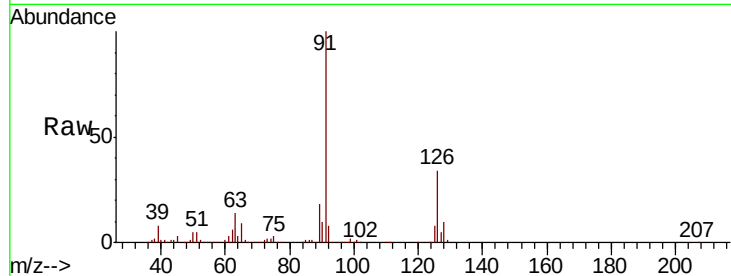
#79
 2-Chlorotoluene
 Concen: 20.995 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4

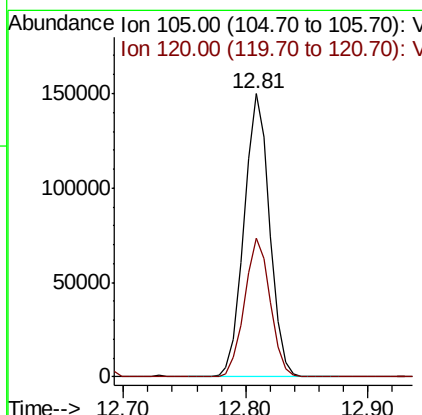
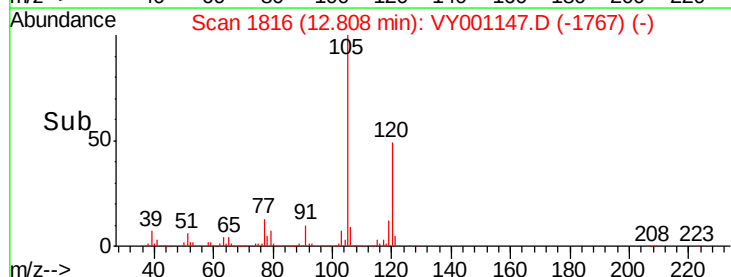
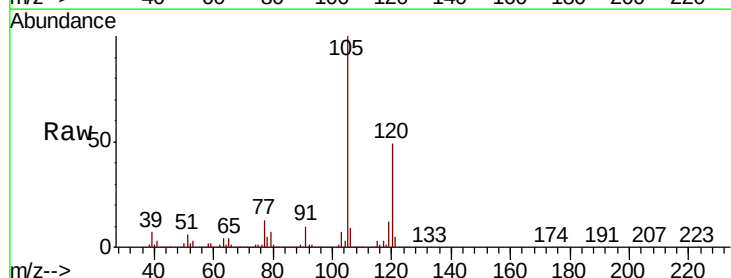
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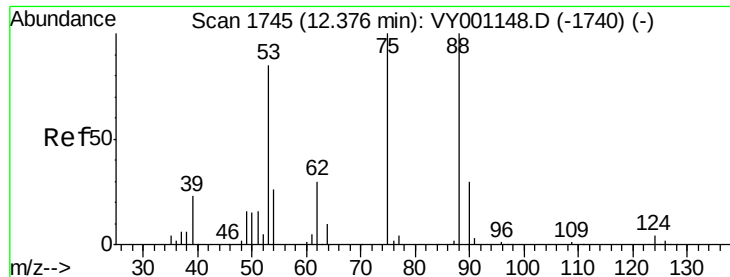
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.140 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.2	72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 24.153 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

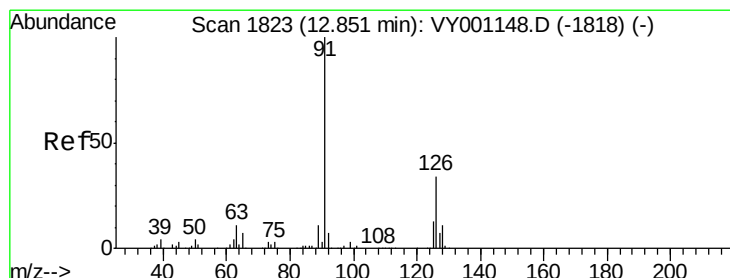
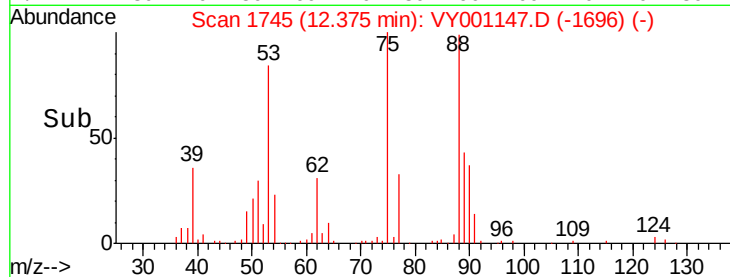
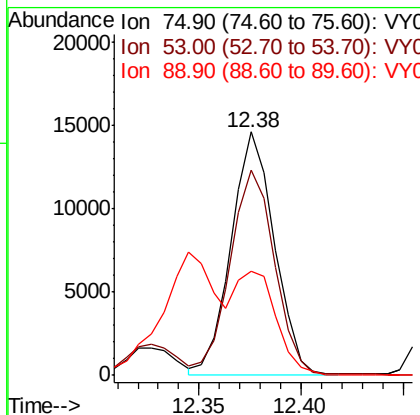
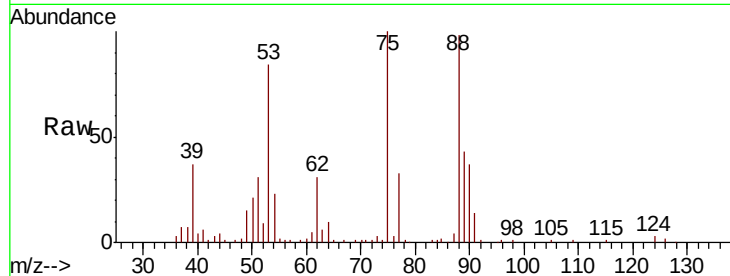
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	21544
Ion	Ratio	Lower	Upper
75	100		
53	87.5	69.4	104.2
89	40.0	0.0	0.0#

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#82

4-Chlorotoluene

Concen: 21.386 ug/l

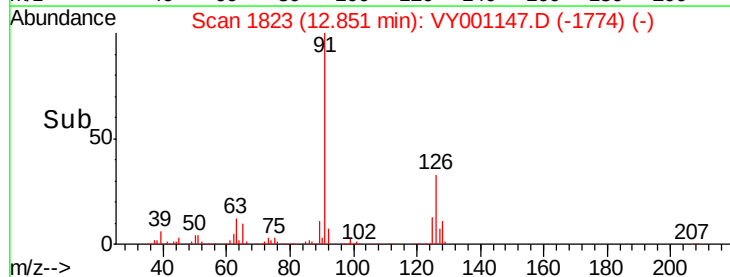
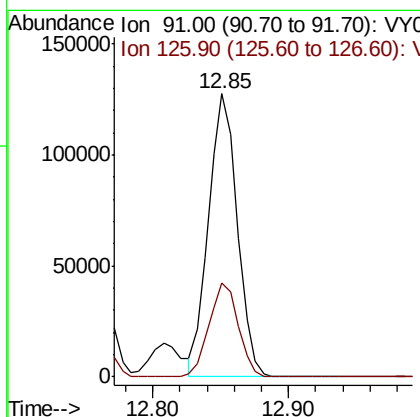
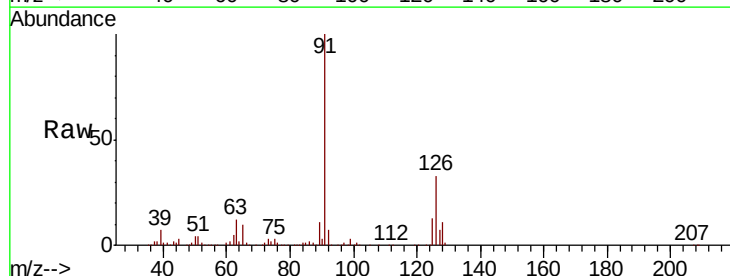
RT: 12.85 min Scan# 1823

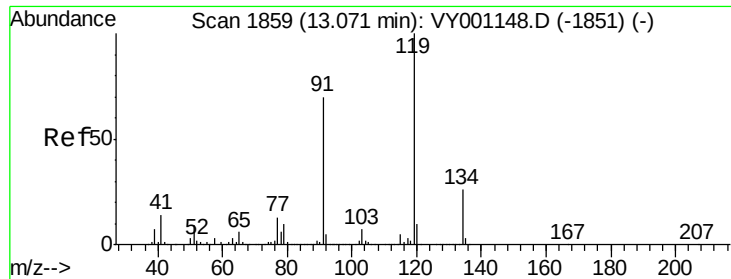
Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion:	91	Resp:	186165
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.3	48.8





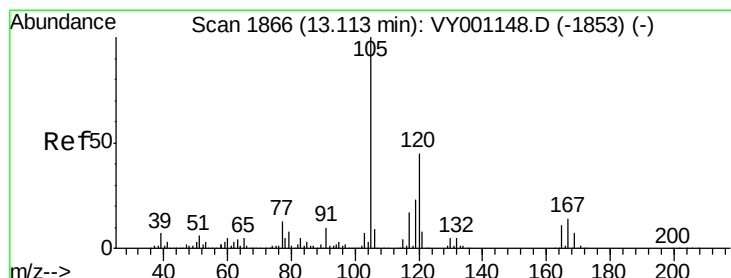
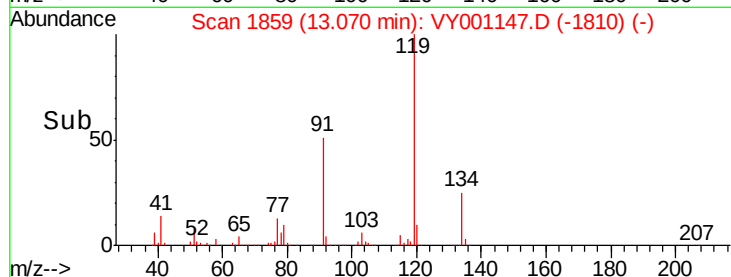
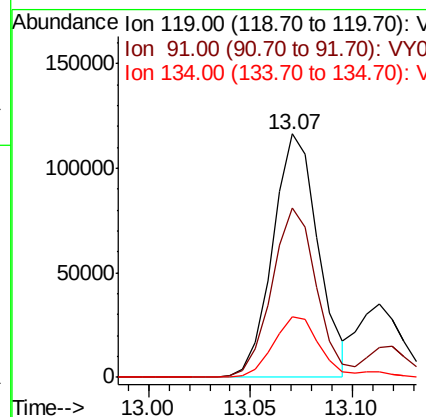
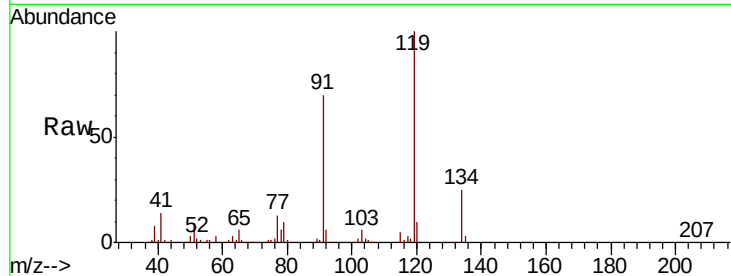
#83
tert-Butylbenzene
Concen: 19.912 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.9	101.7
134	26.8	13.5	40.4

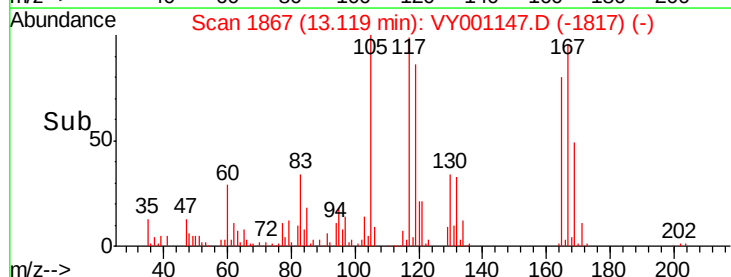
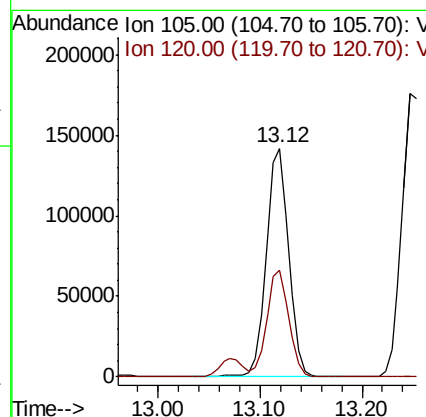
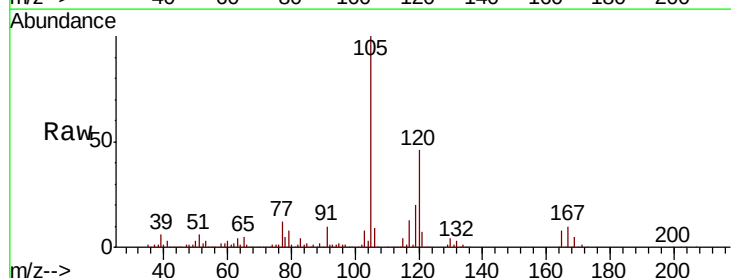
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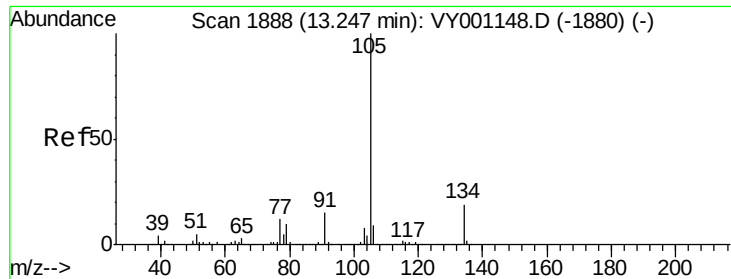
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#84
1,2,4-Trimethylbenzene
Concen: 20.150 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 20.642 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 264262

Ion Ratio Lower Upper

105 100

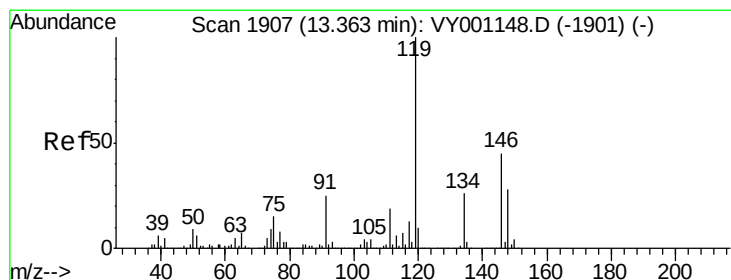
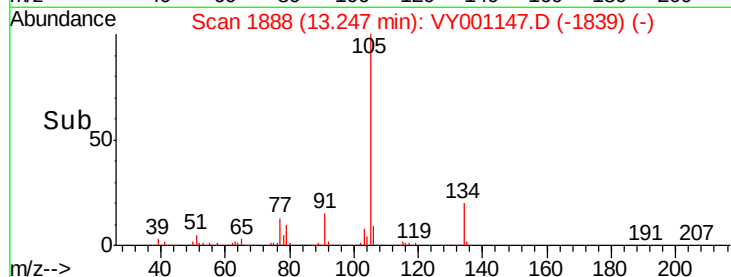
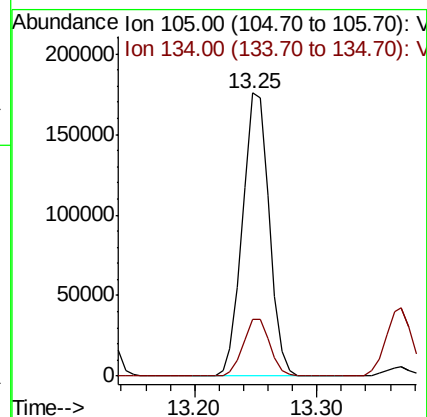
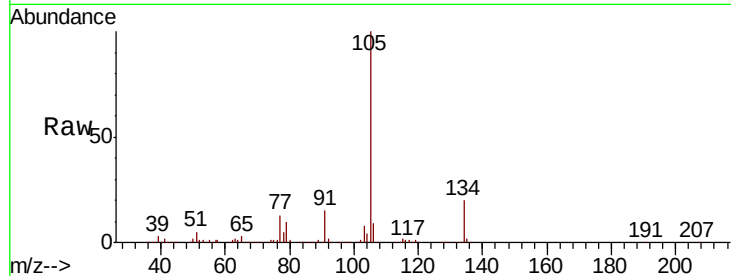
134 20.1 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 20.360 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

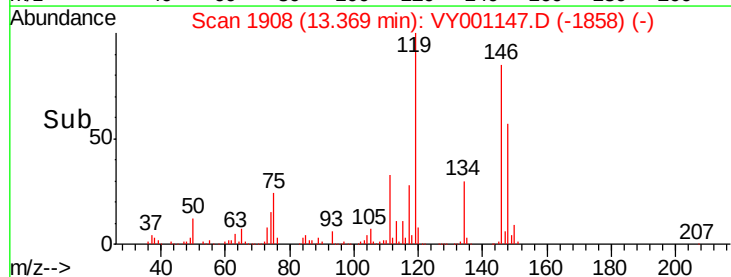
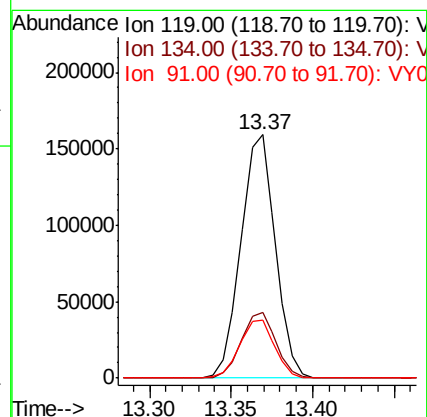
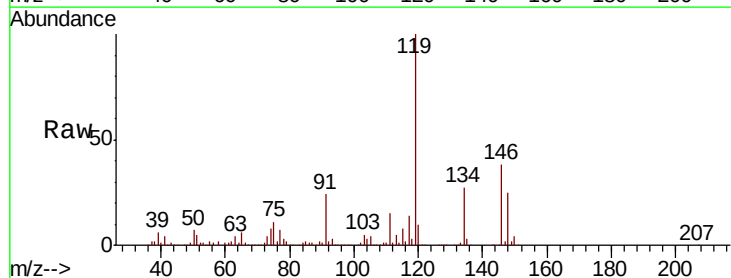
Tgt Ion:119 Resp: 233973

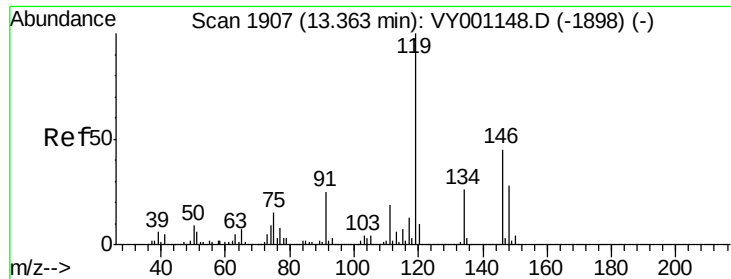
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 24.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 19.339 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA_Y

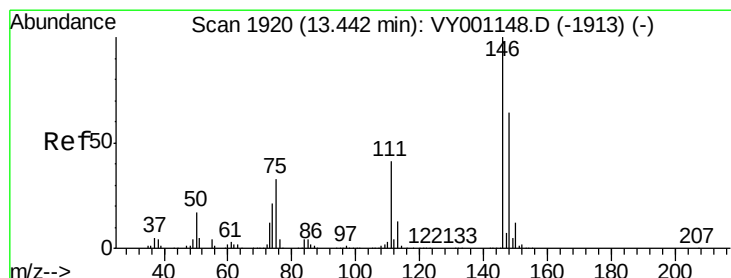
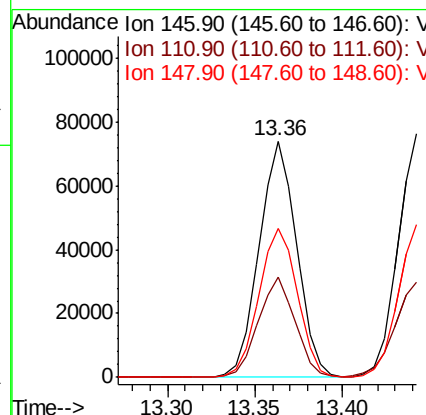
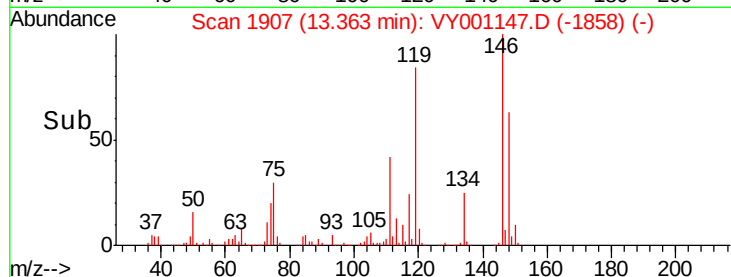
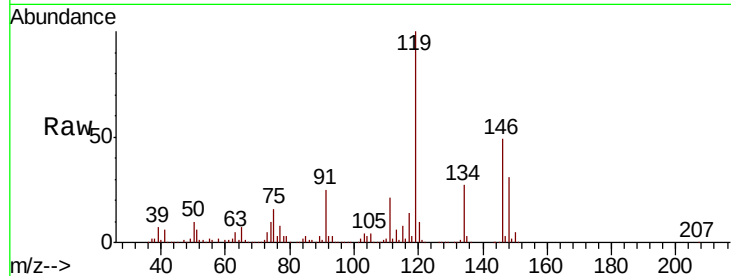
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	110145
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.3	64.0
148	64.7	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 19.751 ug/l

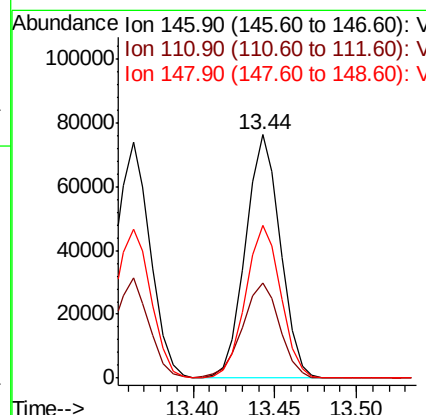
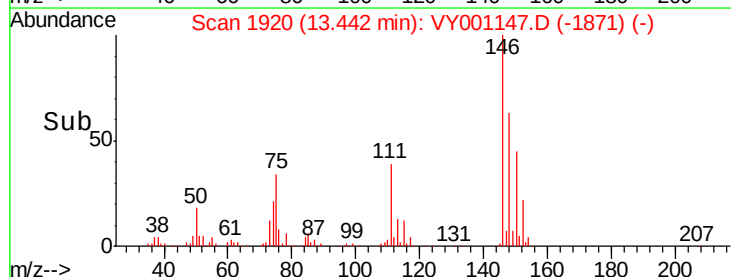
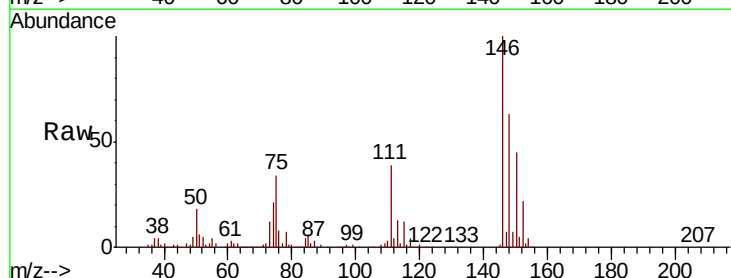
RT: 13.44 min Scan# 1920

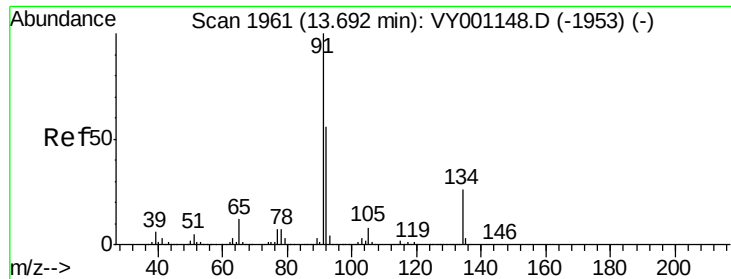
Delta R.T. -0.00 min

Lab File: VY001147.D

Acq: 10 Jan 2020 14:40

Tgt Ion:	146	Resp:	113475
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.5
148	63.5	32.0	96.2





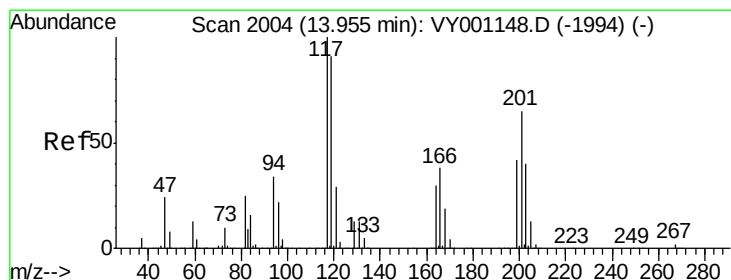
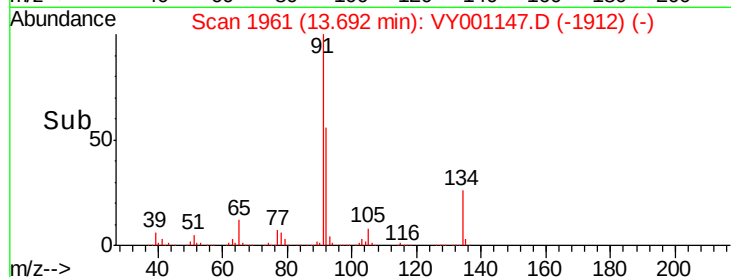
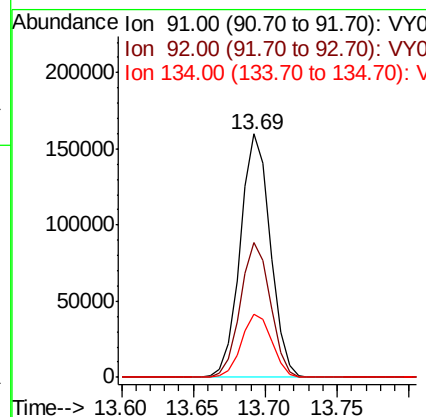
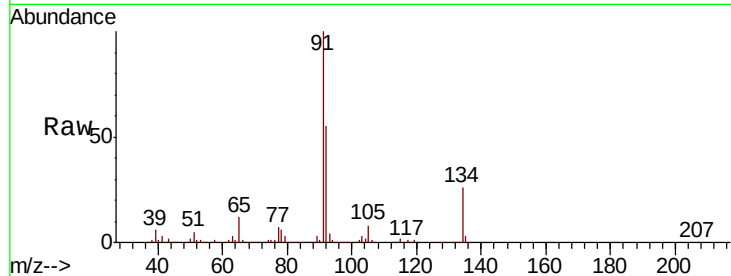
#89
n-Butylbenzene
Concen: 21.226 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.1
134	26.2	12.9	38.6

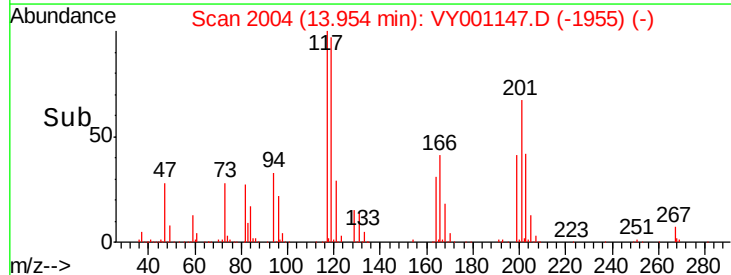
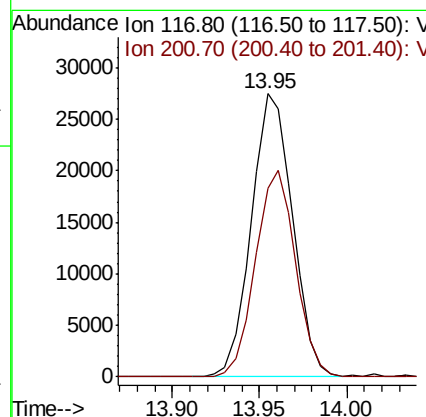
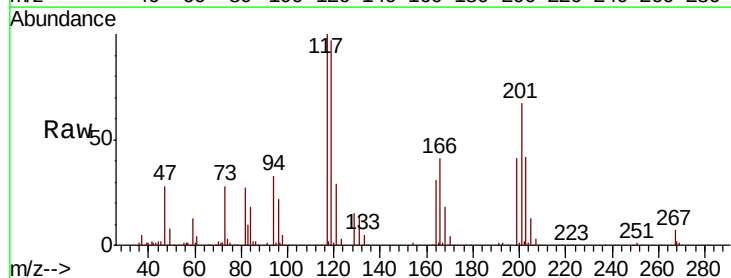
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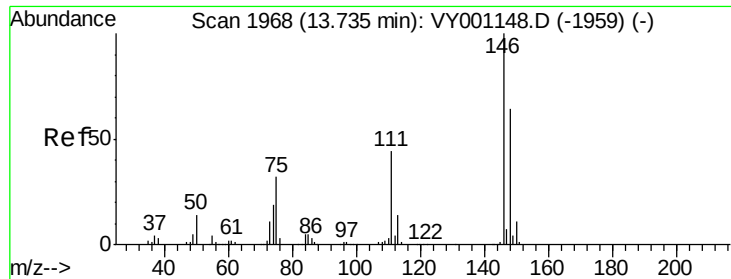
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#90
Hexachloroethane
Concen: 20.909 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.4	106.2





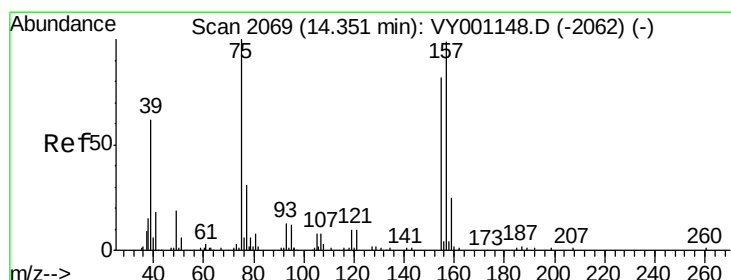
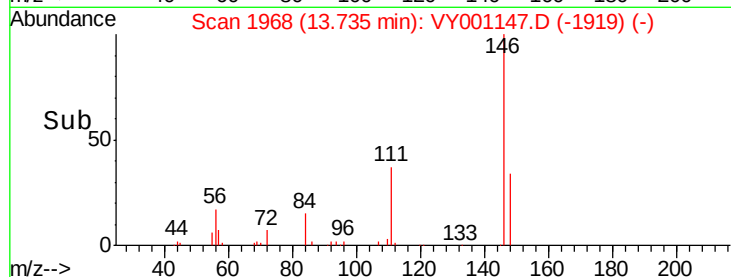
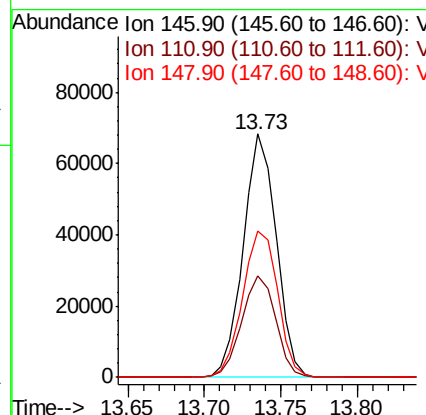
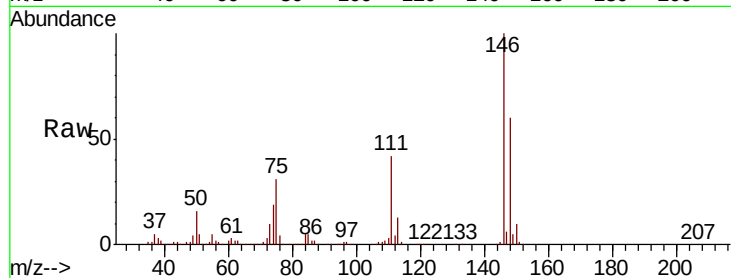
#91
 1,2-Dichlorobenzene
 Concen: 19.619 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	64.1	32.1	96.3

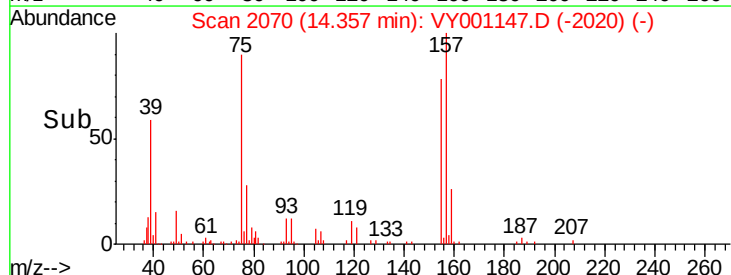
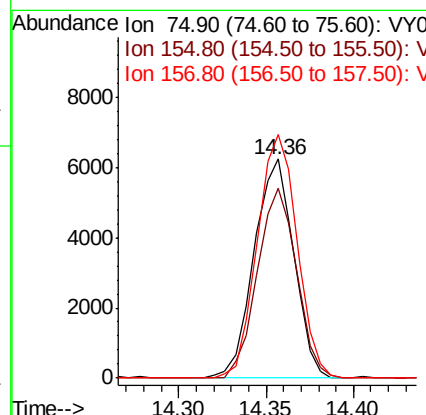
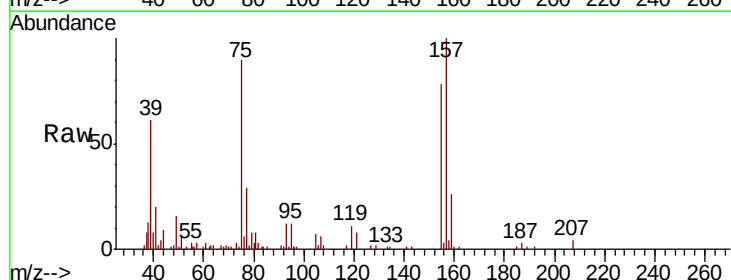
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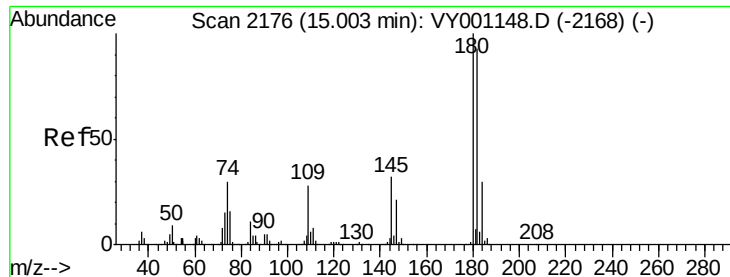
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.678 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	41.2	123.6
157	111.2	52.8	158.4





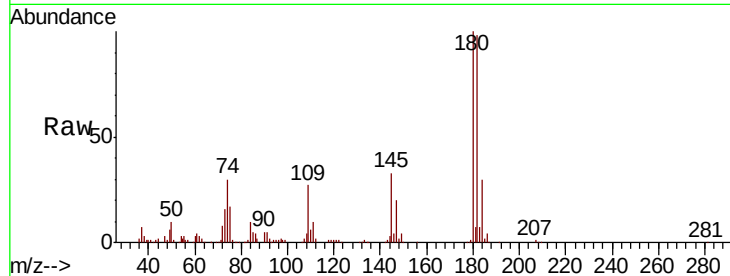
#93
 1,2,4-Trichlorobenzene
 Concen: 18.972 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67990		
182	95.7	46.9	140.8	
145	32.7	16.0	48.0	

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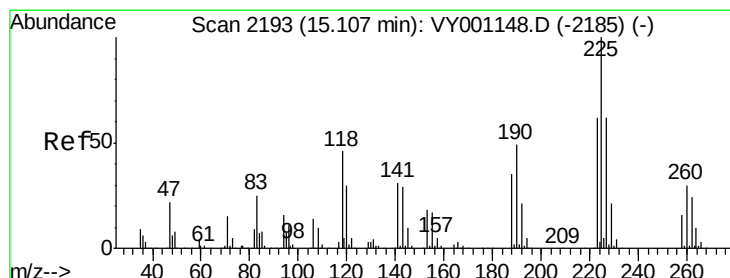
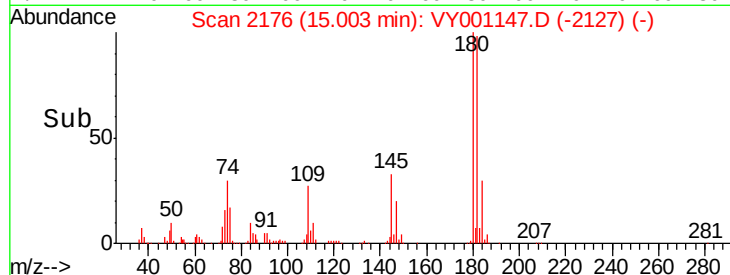
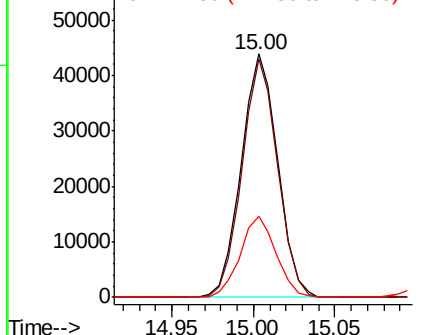


Abundance

Ion 179.80 (179.50 to 180.50): V

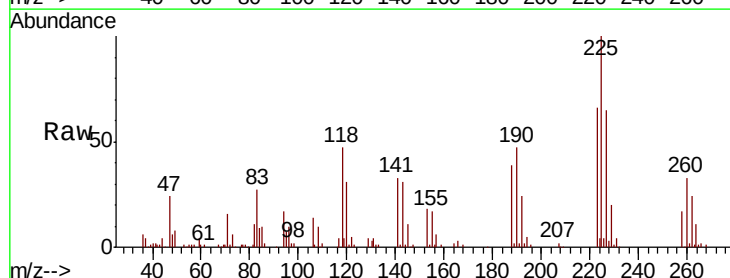
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.940 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001147.D
 Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34327		
223	66.0	31.1	93.3	
227	65.1	31.3	93.9	

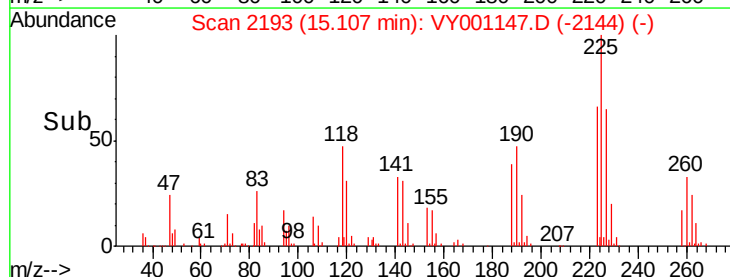
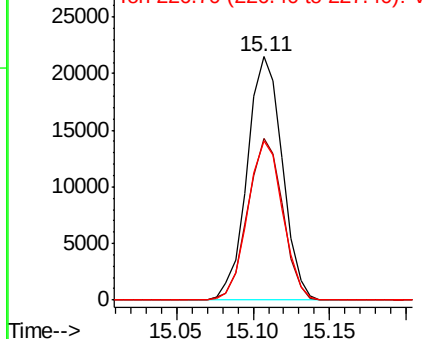


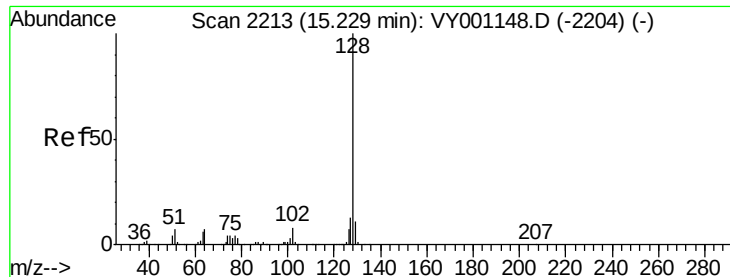
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





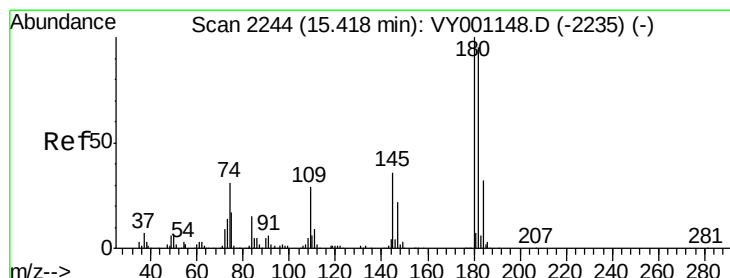
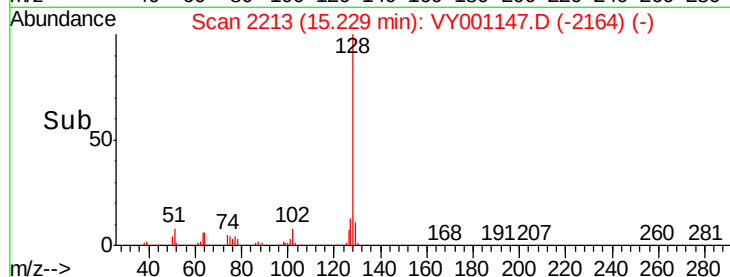
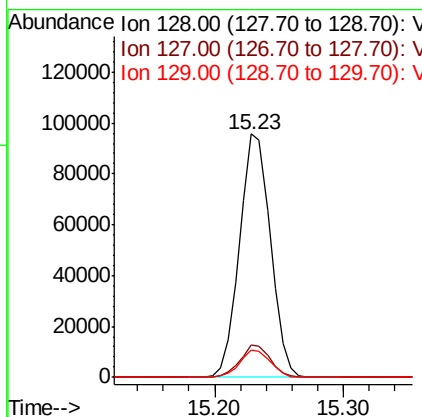
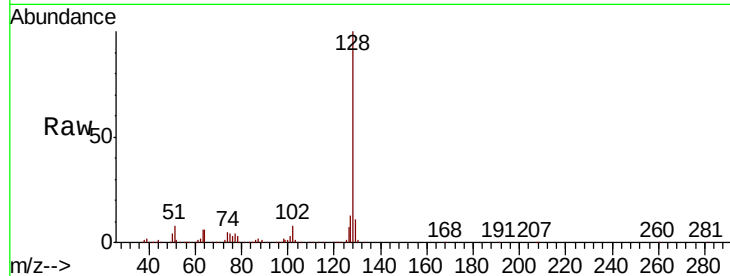
#95
Naphthalene
Concen: 19.284 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.974 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001147.D
Acq: 10 Jan 2020 14:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	34.3	17.1	51.3

