

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001130.D
 Acq On : 02 Jan 2020 11:25
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 1/3/2020 11:12:10 AM

Quant Time: Jan 02 13:06:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:11:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	373128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	603288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	527808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	255322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	61513	17.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.14%	
35) Dibromofluoromethane	7.73	113	72818	20.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.86%	
50) Toluene-d8	10.18	98	244909	17.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.90%	
62) 4-Bromofluorobenzene	12.48	95	104480	20.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	57063	17.552	ug/l	96
3) Chloromethane	2.11	50	34821	8.605	ug/l	97
4) Vinyl Chloride	2.26	62	35363	8.944	ug/l	99
5) Bromomethane	2.64	94	25538	10.374	ug/l	93
6) Chloroethane	2.79	64	23705	9.652	ug/l	88
7) Trichlorofluoromethane	3.13	101	97382	15.840	ug/l	91
8) Diethyl Ether	3.54	74	31274	12.850	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	56205	13.972	ug/l	98
10) Methyl Iodide	4.10	142	86411	15.100	ug/l	100
11) Tert butyl alcohol	4.97	59	24610	62.392	ug/l	97
12) 1,1-Dichloroethene	3.88	96	57342	14.032	ug/l	94
13) Acrolein	3.74	56	23276	51.330	ug/l	97
14) Allyl chloride	4.49	41	55671	8.914	ug/l	91
15) Acrylonitrile	5.18	53	64235	51.855	ug/l	97
16) Acetone	3.96	43	44126	55.199	ug/l	97
17) Carbon Disulfide	4.20	76	162140	12.082	ug/l	99
18) Methyl Acetate	4.49	43	28563	9.191	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	136753	12.812	ug/l	99
20) Methylene Chloride	4.73	84	63996	12.848	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	63806	13.735	ug/l	89
22) Diisopropyl ether	6.14	45	134042	10.663	ug/l	97
23) Vinyl Acetate	6.08	43	409468	51.731	ug/l	98
24) 1,1-Dichloroethane	6.04	63	90038	11.881	ug/l	97
25) 2-Butanone	7.00	43	100749	71.174	ug/l	99
26) 2,2-Dichloropropane	6.99	77	120019	18.853	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	95923	18.836	ug/l	99
28) Bromochloromethane	7.35	49	38016	13.177	ug/l	99
29) Tetrahydrofuran	7.37	42	67282	67.177	ug/l	97
30) Chloroform	7.52	83	135115	18.563	ug/l	96
31) Cyclohexane	7.80	56	122595	15.399	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	121060	19.141	ug/l	99
36) 1,1-Dichloropropene	7.93	75	107479	18.675	ug/l	100
37) Ethyl Acetate	7.09	43	49105	16.027	ug/l	97
38) Carbon Tetrachloride	7.91	117	111756	21.549	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	151918	19.784	ug/l	94
40) Benzene	8.17	78	329744	18.962	ug/l	100
41) Methacrylonitrile	7.33	41	24645m	19.209	ug/l	
42) 1,2-Dichloroethane	8.25	62	77105	18.666	ug/l	99
43) Isopropyl Acetate	8.28	43	88213	15.573	ug/l	100
44) Trichloroethene	8.95	130	100572	21.512	ug/l	93
45) 1,2-Dichloropropane	9.22	63	75415	17.664	ug/l	92
46) Dibromomethane	9.31	93	44001	19.752	ug/l	99
47) Bromodichloromethane	9.50	83	97847	19.030	ug/l	99
48) Methyl methacrylate	9.30	41	36881	15.366	ug/l	98
49) 1,4-Dioxane	9.30	88	12509	384.536	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	221950	76.399	ug/l	99
52) Toluene	10.25	92	208212	19.599	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	104799	18.845	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	127761	19.256	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	66370	19.787	ug/l	96
56) Ethyl methacrylate	10.51	69	84763	18.128	ug/l	99
57) 1,3-Dichloropropane	10.79	76	105631	18.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	153929	85.966	ug/l	100
59) 2-Hexanone	10.83	43	155420	76.315	ug/l	99
60) Dibromochloromethane	10.99	129	75400	20.750	ug/l	98
61) 1,2-Dibromoethane	11.09	107	65083	20.210	ug/l	98
64) Tetrachloroethene	10.72	164	103937	22.046	ug/l	96
65) Chlorobenzene	11.52	112	223918	20.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	80344	21.696	ug/l	98
67) Ethyl Benzene	11.59	91	398742	20.013	ug/l	100
68) m/p-Xylenes	11.70	106	316238	41.615	ug/l	100
69) o-Xylene	12.03	106	146466	20.490	ug/l	97
70) Styrene	12.04	104	254591	20.942	ug/l	99
71) Bromoform	12.20	173	46845	22.743	ug/l #	97
73) Isopropylbenzene	12.33	105	387738	19.447	ug/l	100
74) N-amyl acetate	12.14	43	74304	14.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	67450	17.582	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	62296m	19.866	ug/l	
77) Bromobenzene	12.61	156	92968	20.579	ug/l	99
78) n-propylbenzene	12.67	91	459132	18.966	ug/l	100
79) 2-Chlorotoluene	12.75	91	253799	19.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	326604	19.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	25412	17.449	ug/l	96
82) 4-Chlorotoluene	12.85	91	263502	19.090	ug/l	99
83) tert-Butylbenzene	13.08	119	272395	19.665	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	319888	19.503	ug/l	98
85) sec-Butylbenzene	13.25	105	382560	18.896	ug/l	98
86) p-Isopropyltoluene	13.37	119	355494	20.244	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	174958	20.276	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	175187	20.111	ug/l	99
89) n-Butylbenzene	13.69	91	328495	18.822	ug/l	100
90) Hexachloroethane	13.96	117	65411	19.901	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	159500	20.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11923	18.661	ug/l	96

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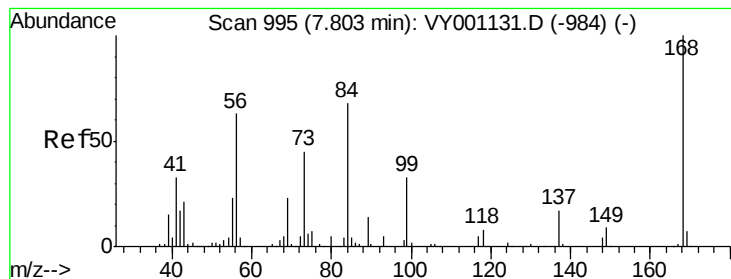
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	110842	20.615	ug/l	99
94) Hexachlorobutadiene	15.11	225	56659	21.872	ug/l	96
95) Naphthalene	15.23	128	245475	19.616	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	98512	20.546	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 373128

Ion Ratio Lower Upper

168 100

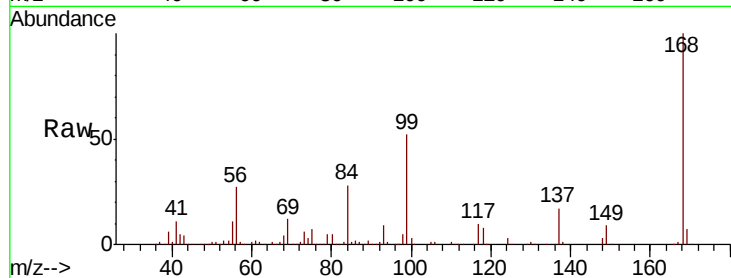
99 52.3 42.5 63.7

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Abundance Ion 167.90 (167.60 to 168.60): VY001130.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY001130.D (-984) (-)

7.80

150000

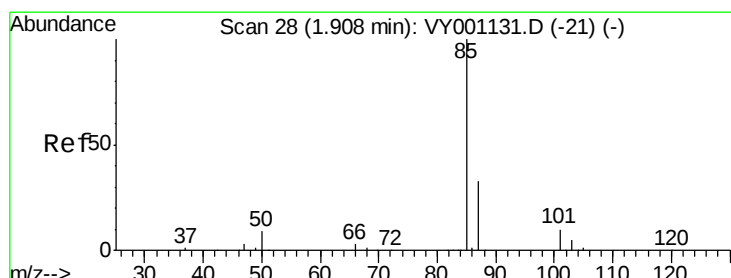
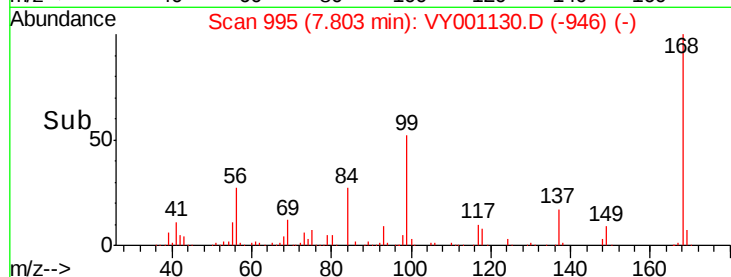
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.552 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY001130.D

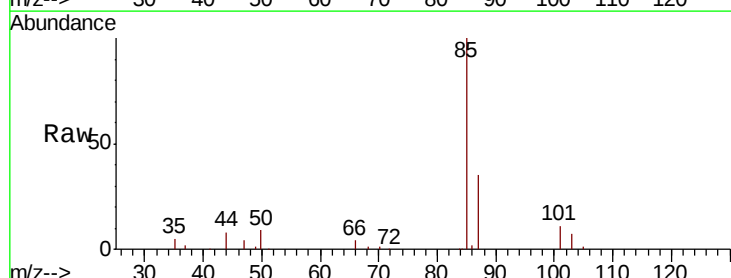
Acq: 02 Jan 2020 11:25

Tgt Ion: 85 Resp: 57063

Ion Ratio Lower Upper

85 100

87 35.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY001130.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY001130.D (-21) (-)

1.91

40000

30000

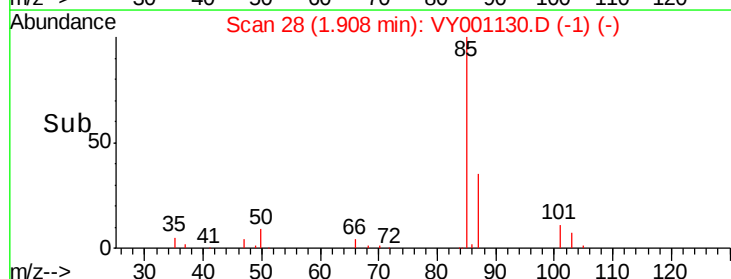
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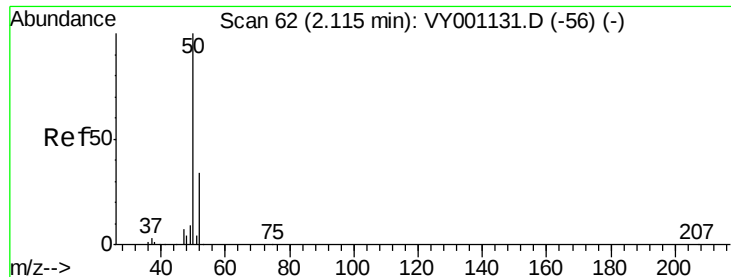
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0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 8.605 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 34821

Ion Ratio Lower Upper

50 100

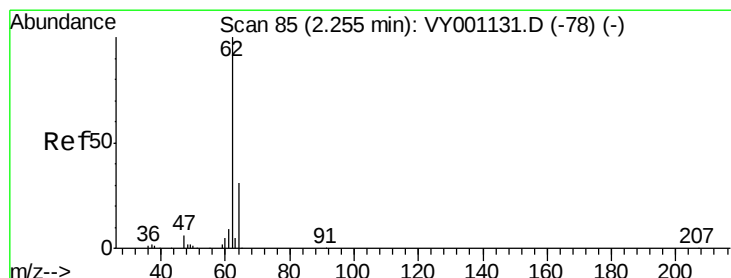
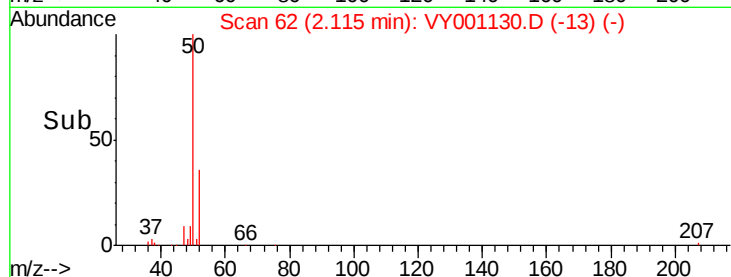
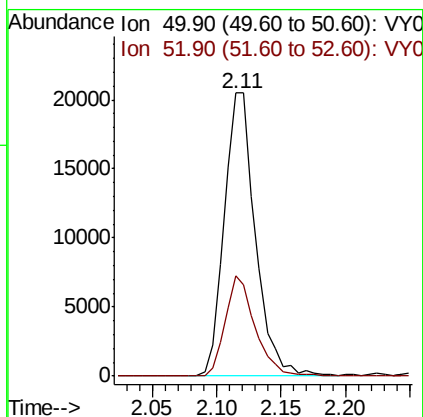
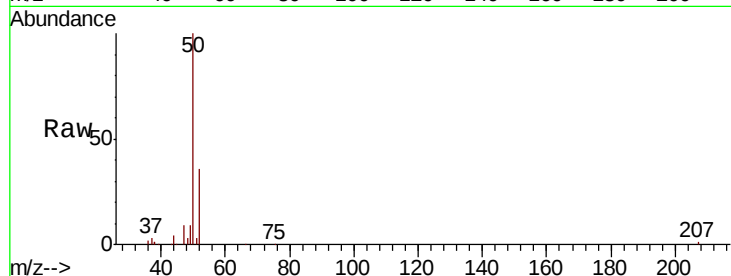
52 35.5 27.3 40.9

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#4

Vinyl Chloride

Concen: 8.944 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY001130.D

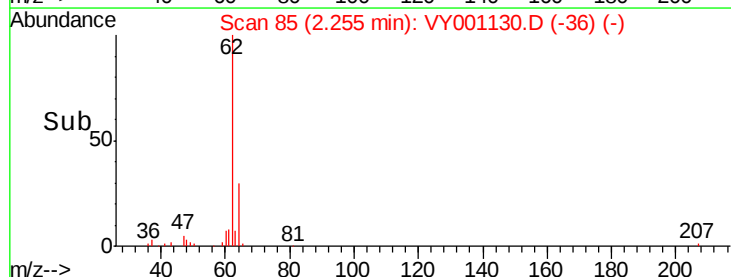
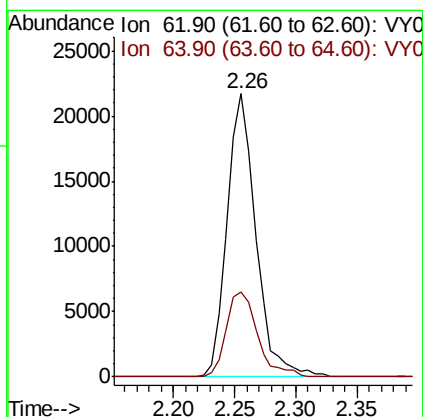
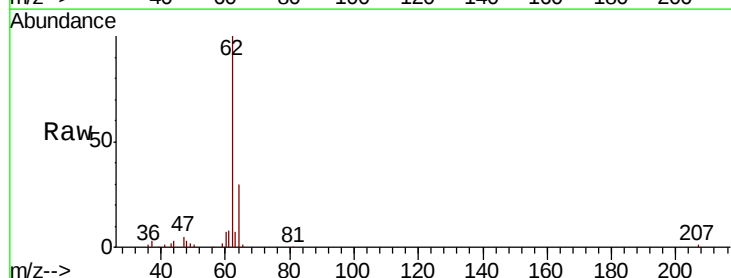
Acq: 02 Jan 2020 11:25

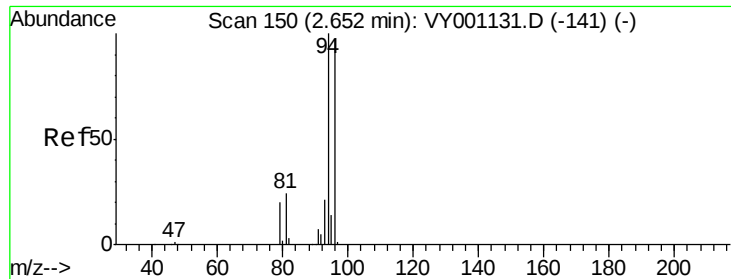
Tgt Ion: 62 Resp: 35363

Ion Ratio Lower Upper

62 100

64 30.2 24.4 36.6





#5

Bromomethane

Concen: 10.374 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 25538

Ion Ratio Lower Upper

94 100

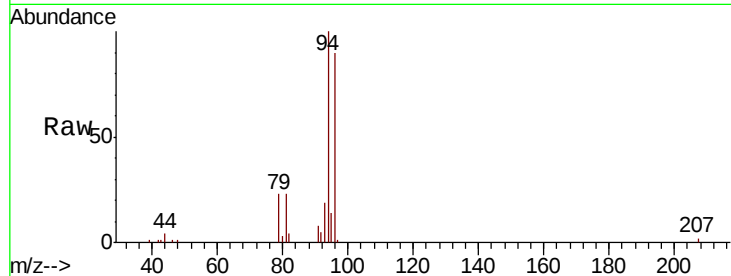
96 89.6 77.3 115.9

Manual Integrations

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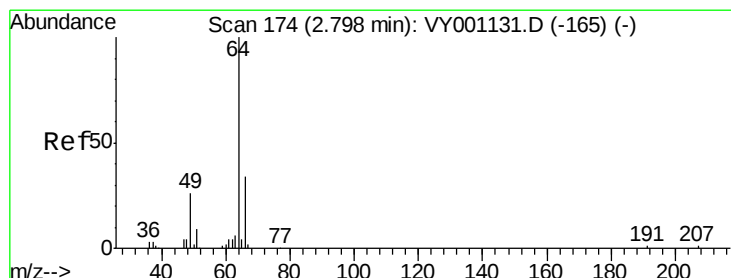
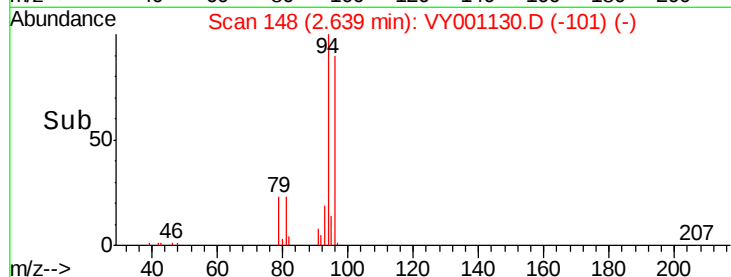
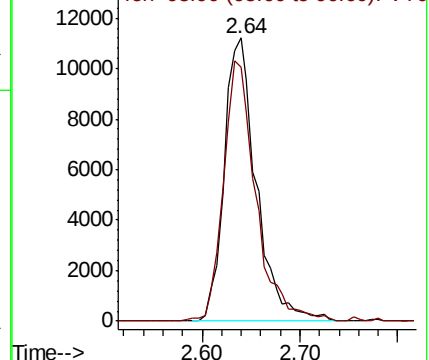
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 9.652 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY001130.D

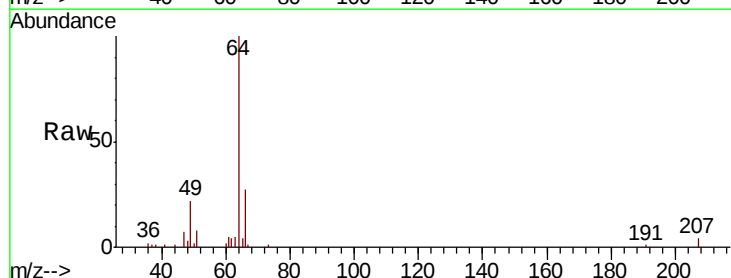
Acq: 02 Jan 2020 11:25

Tgt Ion: 64 Resp: 23705

Ion Ratio Lower Upper

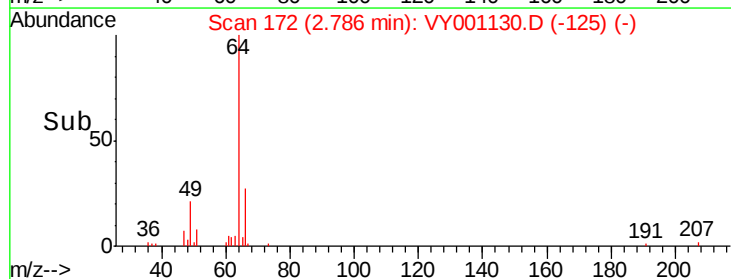
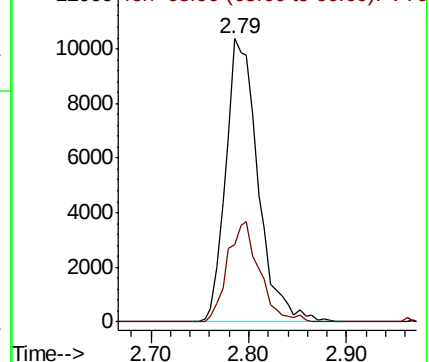
64 100

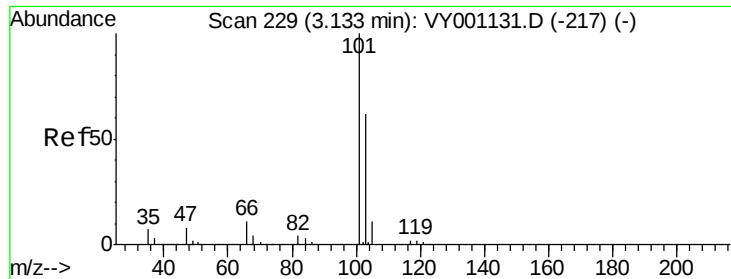
66 27.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

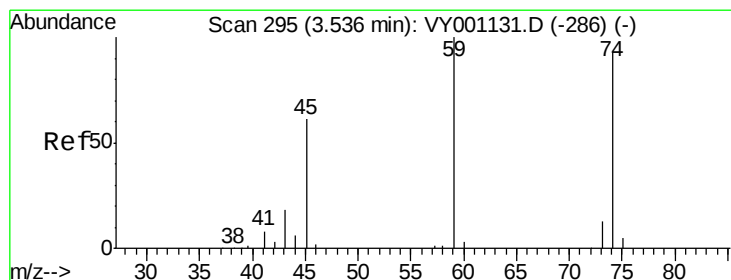
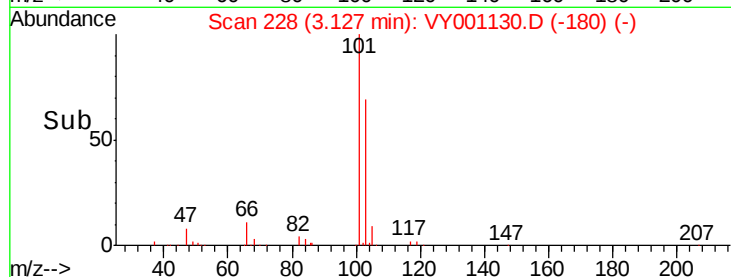
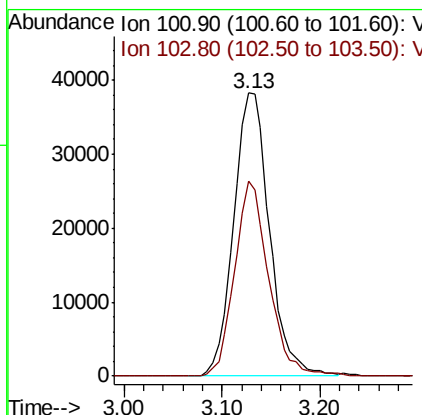
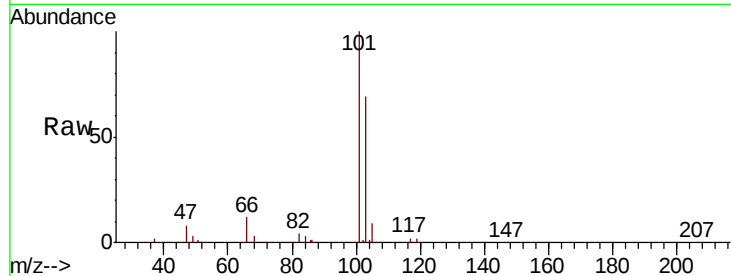
Trichlorofluoromethane
Concen: 15.840 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY001130.D
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Tot Ion	101	Resp	97382
Ion Ratio	100	Lower	Upper
101	100		
103	68.8	49.7	74.5

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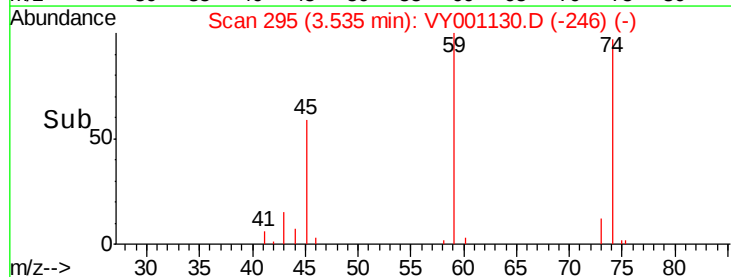
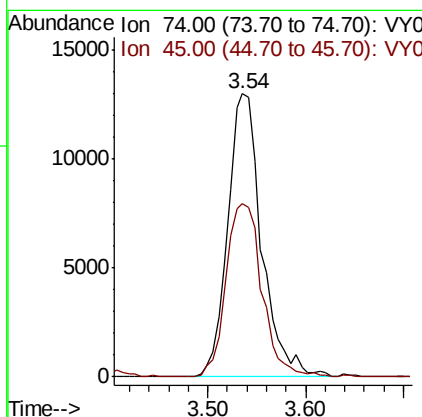
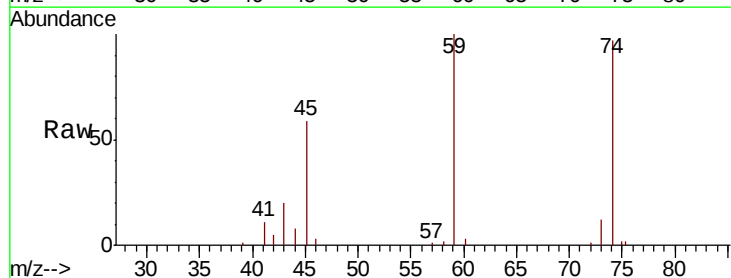
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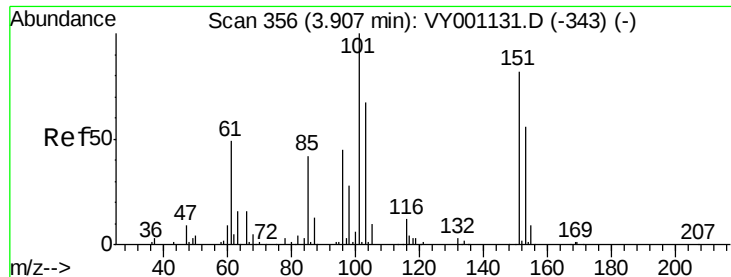


#8

Diethyl Ether
Concen: 12.850 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY001130.D
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Tgt Ion	74	Resp	31274
Ion Ratio	100	Lower	Upper
74	100		
45	64.7	33.2	99.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.972 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

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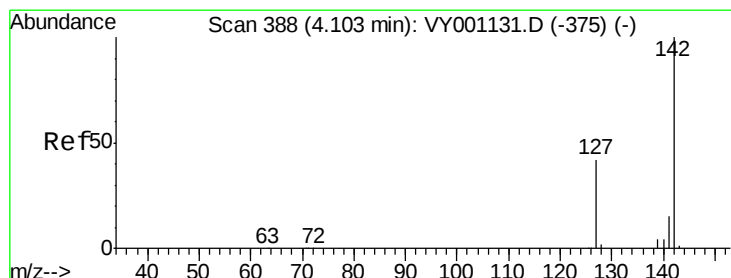
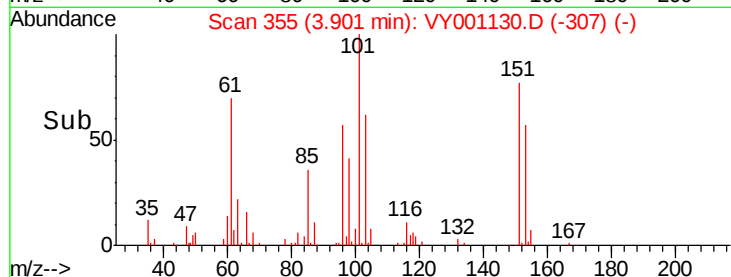
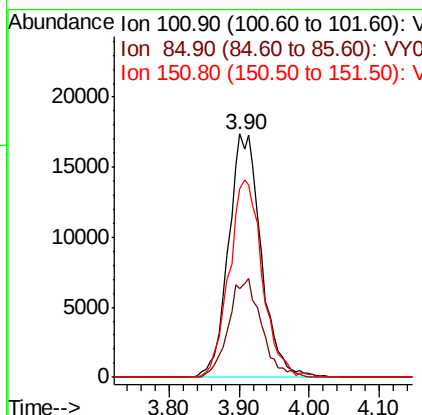
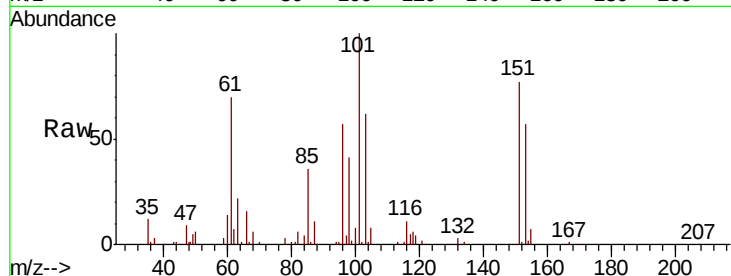
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	56205
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.8	49.2
151	82.3	67.4	101.0

Manual Integrations
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#10

Methyl Iodide

Concen: 15.100 ug/l

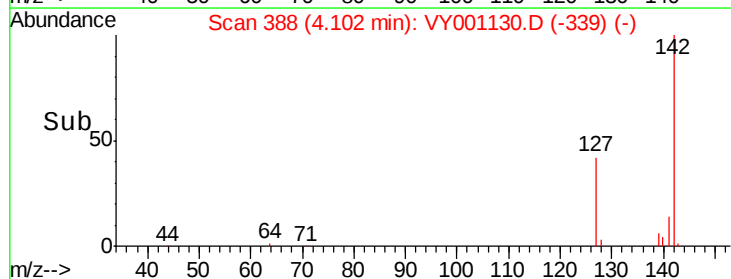
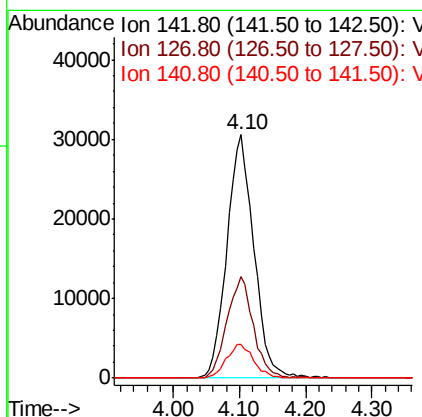
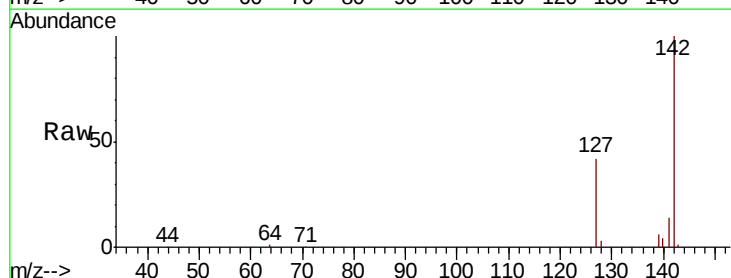
RT: 4.10 min Scan# 388

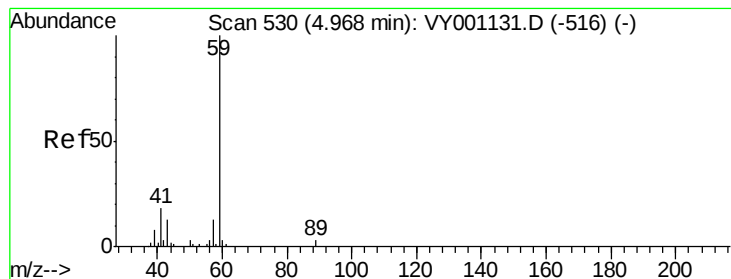
Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	142	Resp:	86411
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.2	48.4
141	13.8	11.1	16.7





#11

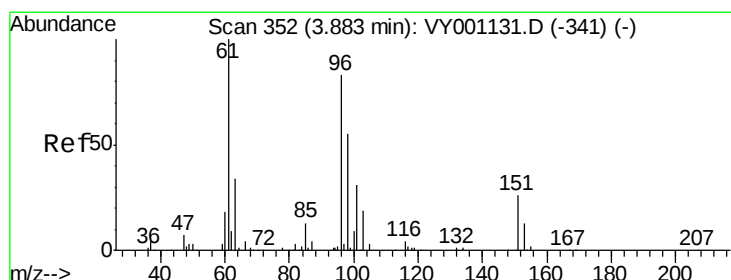
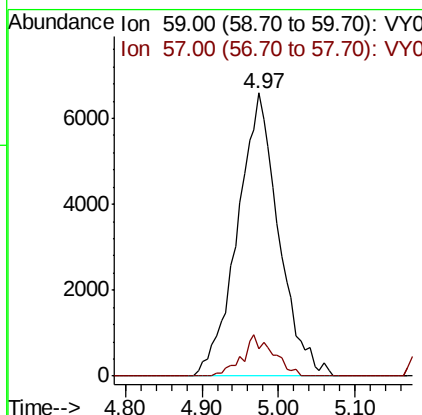
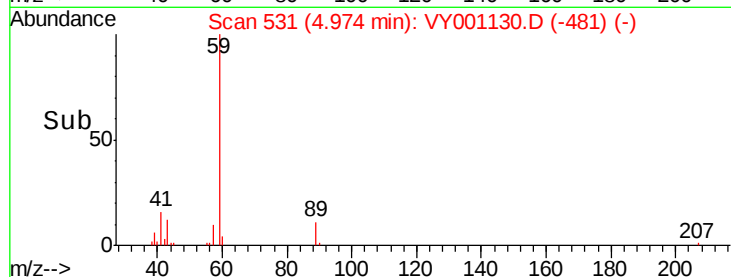
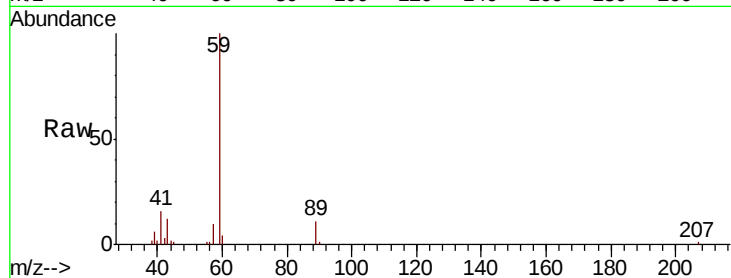
Tert butyl alcohol
Concen: 62.392 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.6

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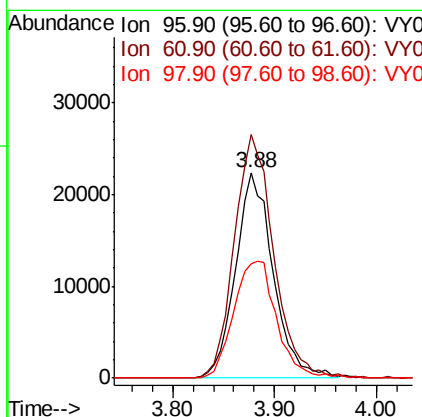
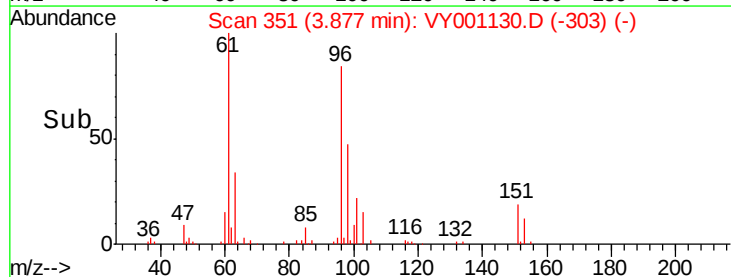
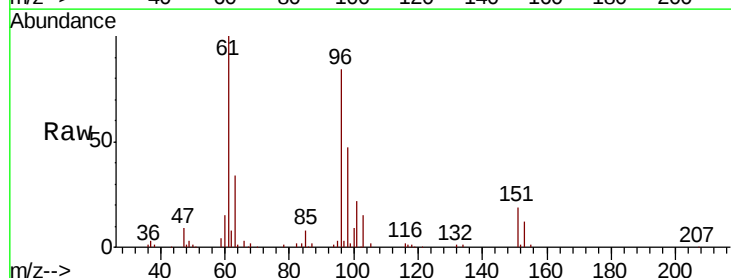
apatel
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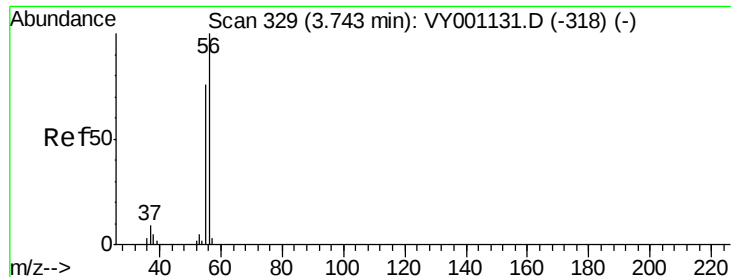


#12

1,1-Dichloroethene
Concen: 14.032 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.6	96.2	144.4
98	55.9	52.8	79.2





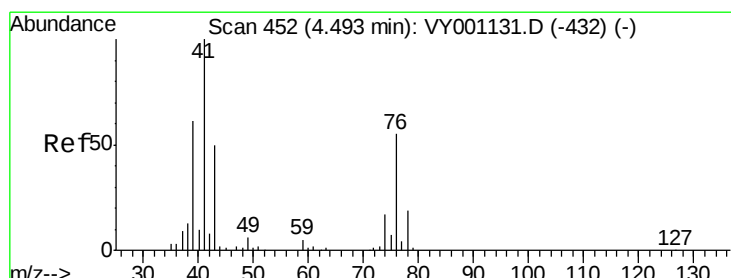
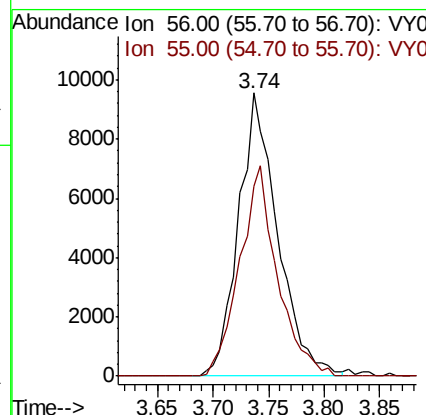
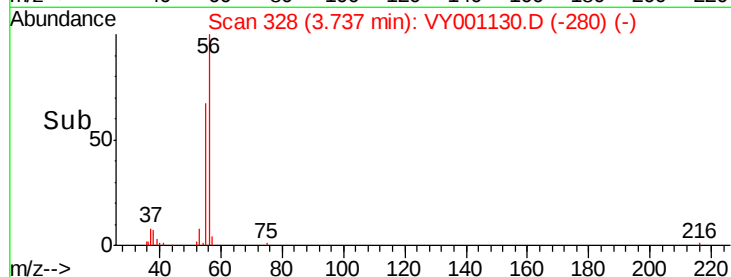
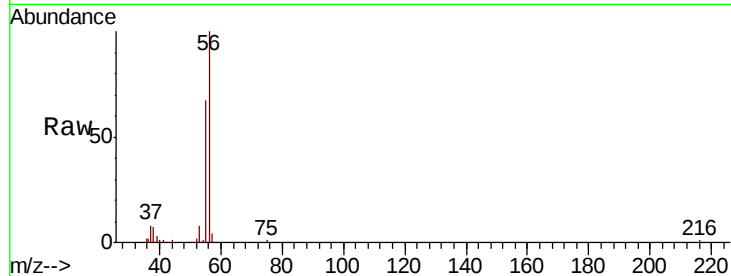
#13
Acrolein
Concen: 51.330 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	55.7	83.5

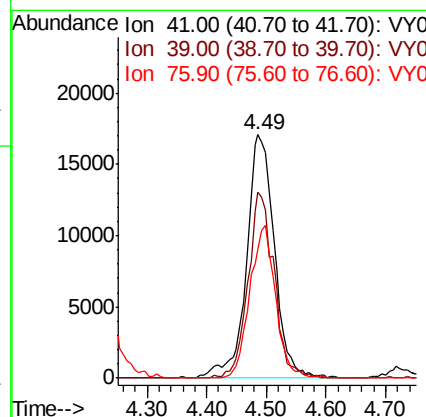
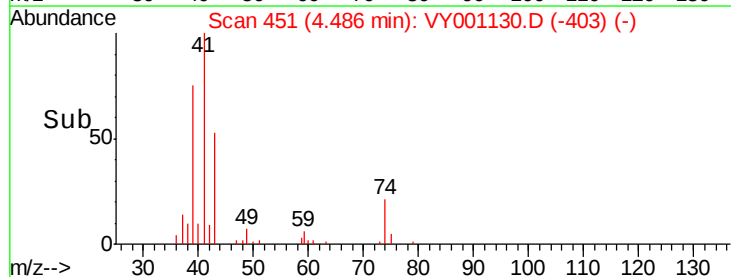
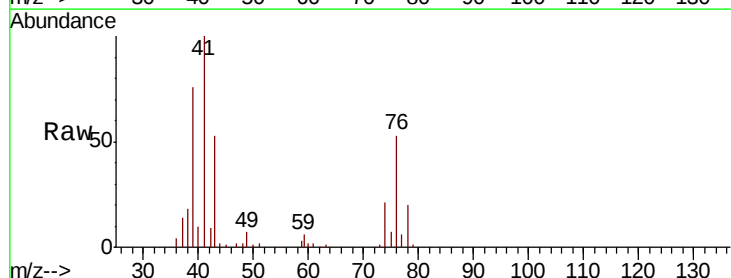
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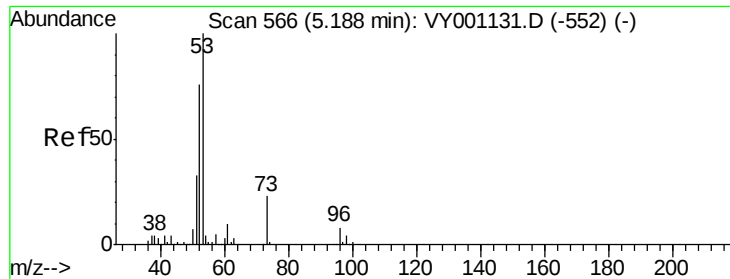
apatel
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#14
Allyl chloride
Concen: 8.914 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.1	50.1	75.1
76	57.7	42.1	63.1





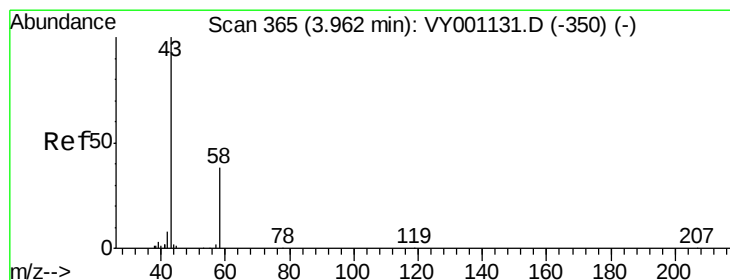
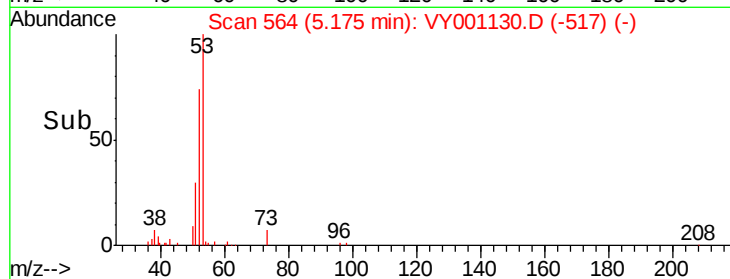
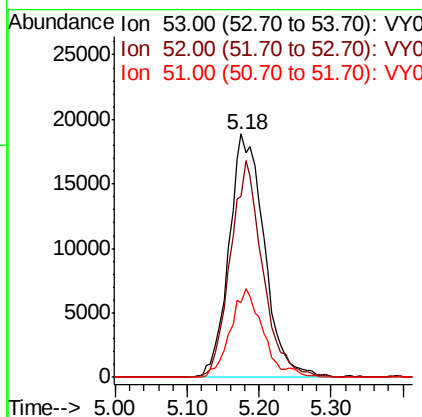
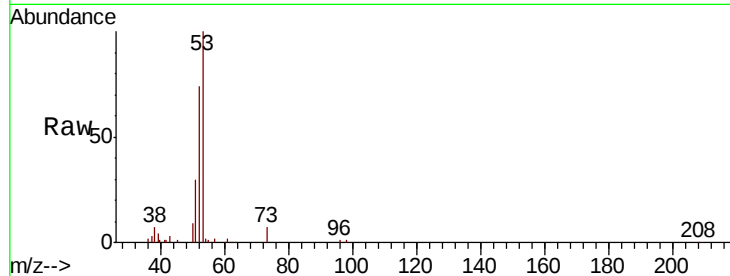
#15
 Acrylonitrile
 Concen: 51.855 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	63.0	94.4
51	33.8	26.1	39.1

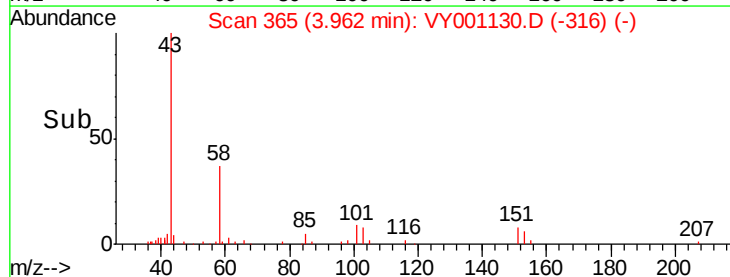
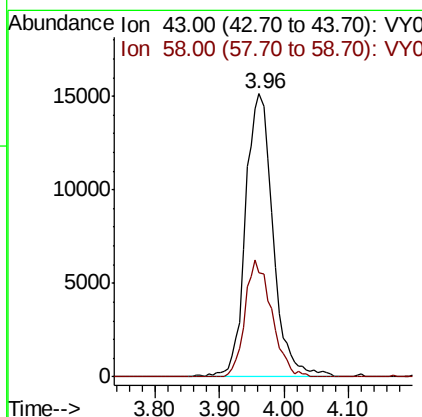
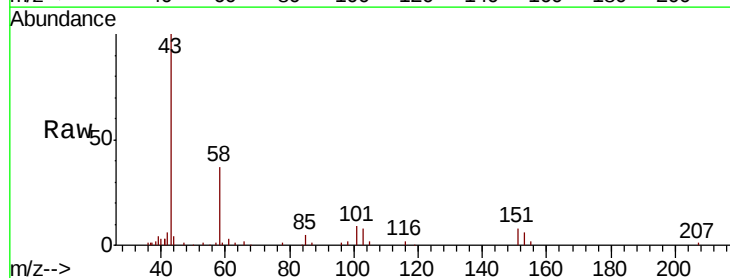
Manual Integrations
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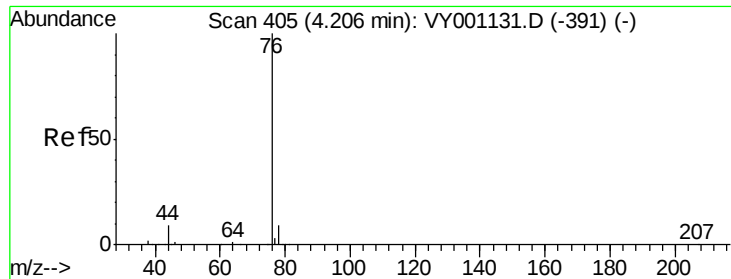
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#16
 Acetone
 Concen: 55.199 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.6	46.0





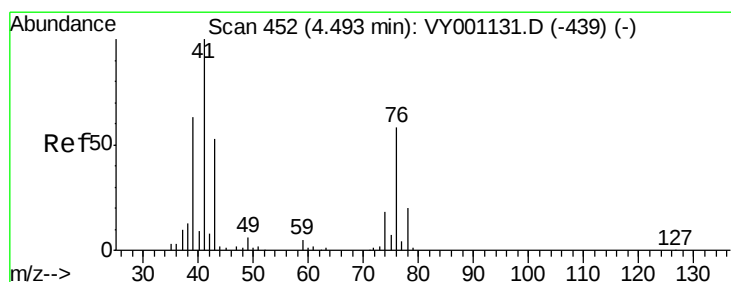
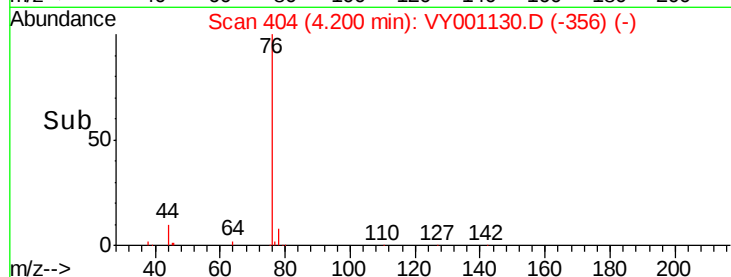
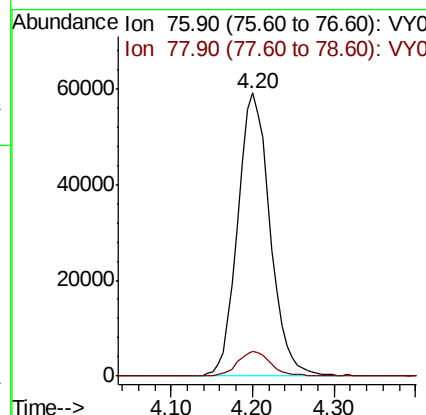
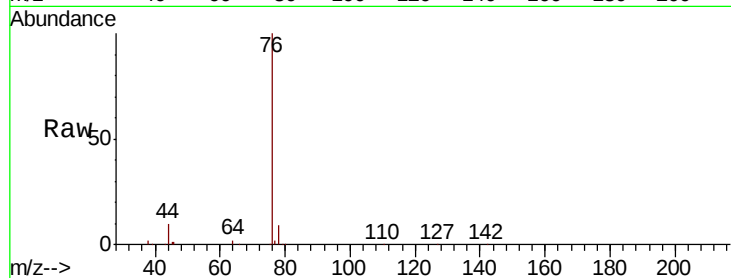
#17
Carbon Disulfide
Concen: 12.082 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

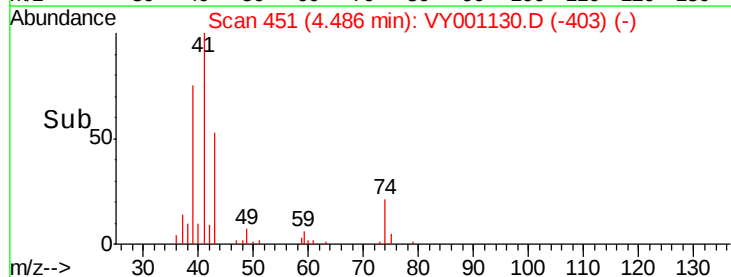
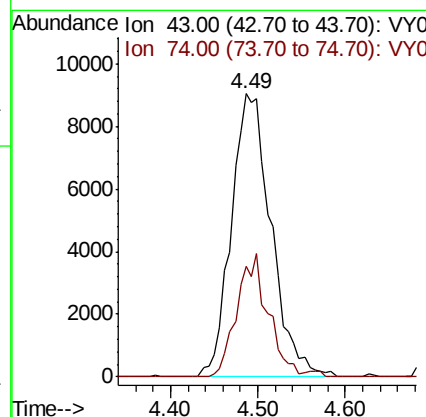
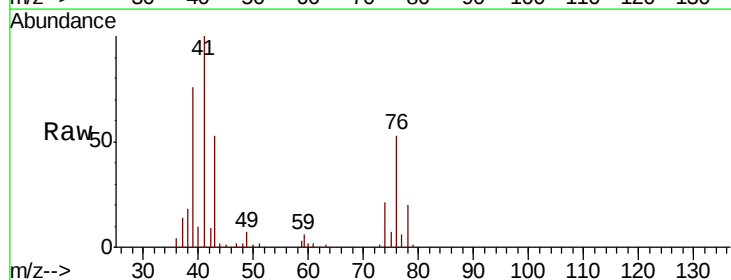
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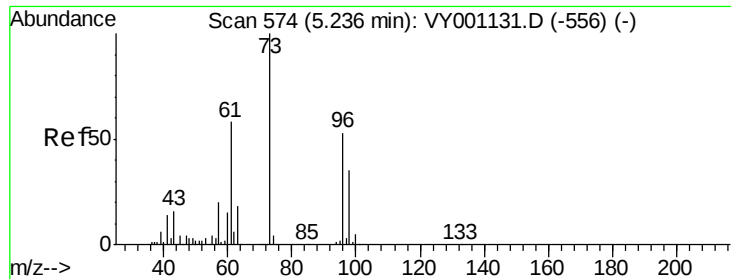
apatel
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#18
Methyl Acetate
Concen: 9.191 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	34.4	27.3	40.9





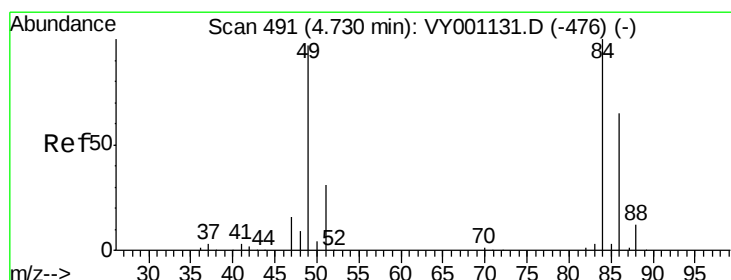
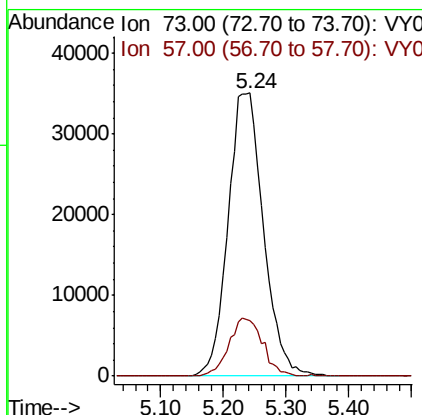
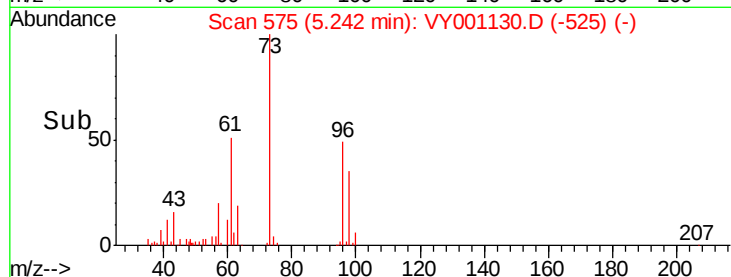
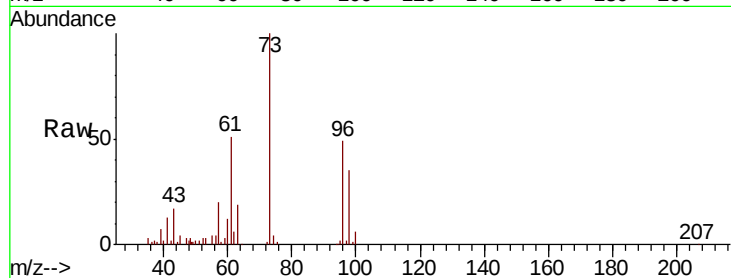
#19
Methvl tert-butvl Ether
Concen: 12.812 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 136753
Ion Ratio Lower Upper
73 100
57 19.8 16.3 24.5

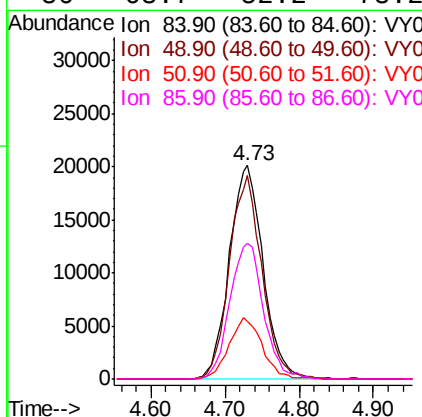
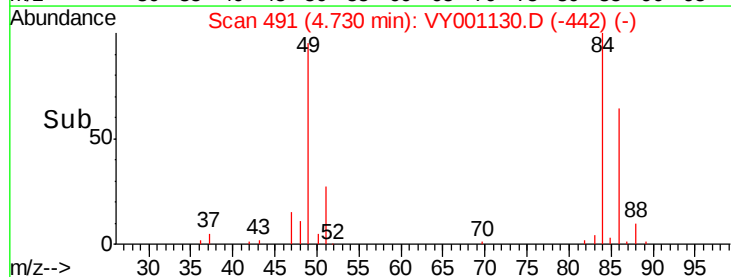
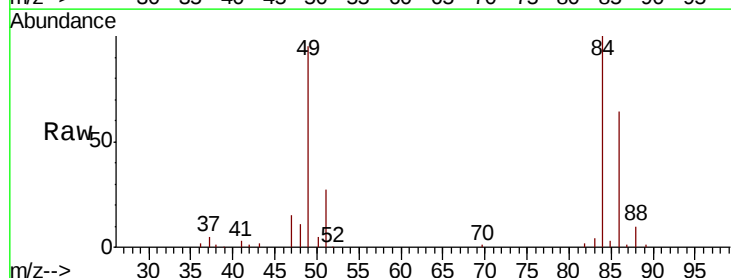
Manual Integrations
APPROVED

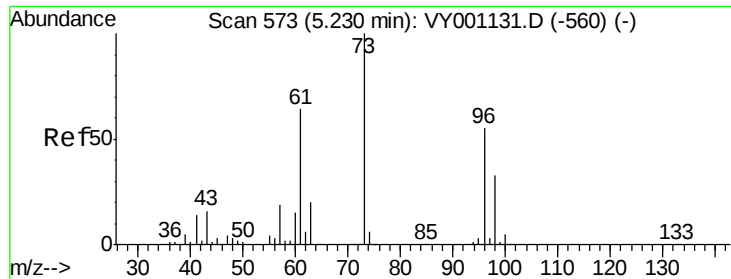
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#20
Methylene Chloride
Concen: 12.848 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion: 84 Resp: 63996
Ion Ratio Lower Upper
84 100
49 95.2 77.5 116.3
51 26.9 24.7 37.1
86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 13.735 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

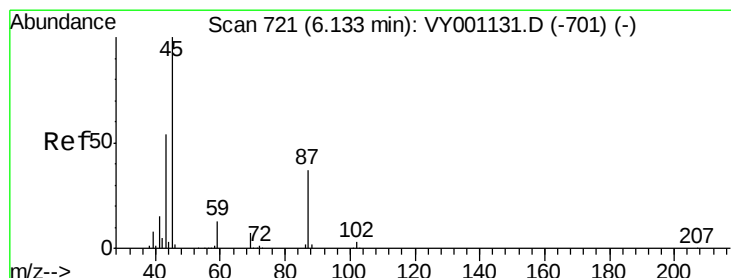
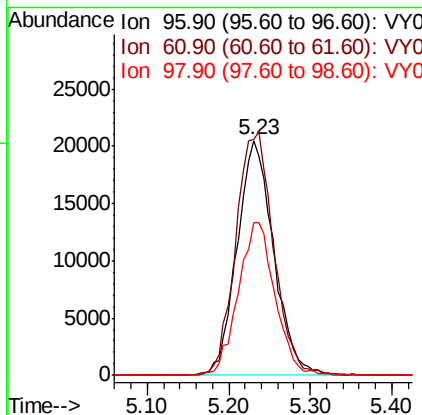
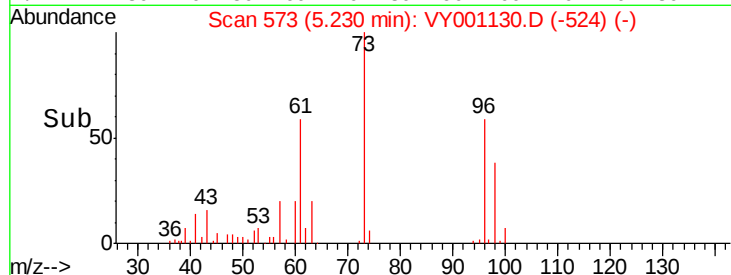
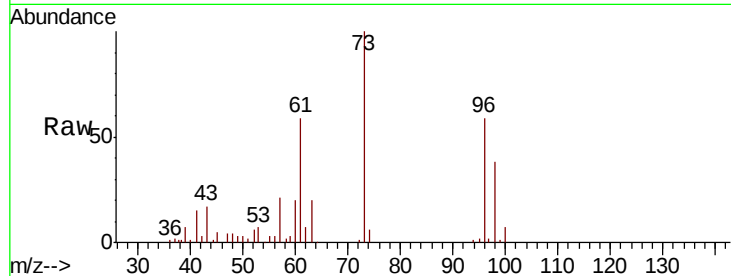
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	63806
Ion	Ratio	Lower	Upper
96	100		
61	100.5	93.2	139.8
98	65.0	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.663 ug/l

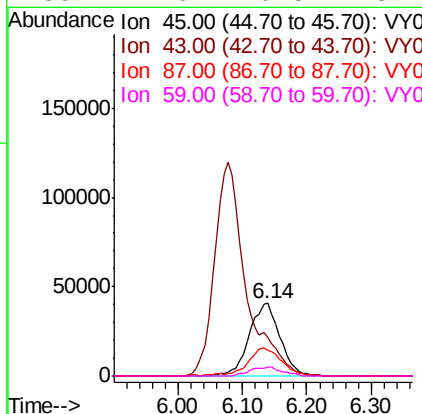
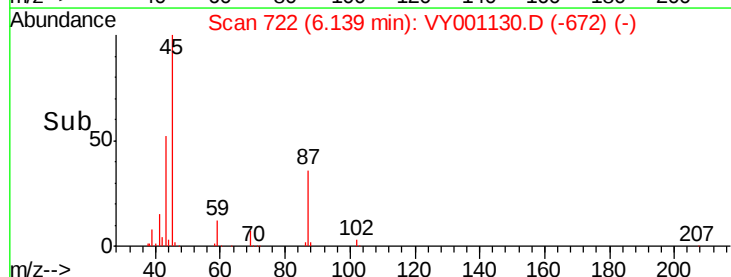
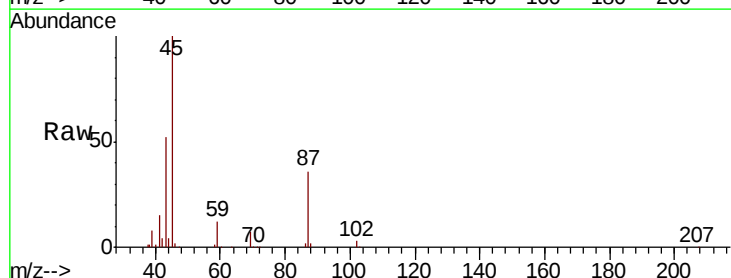
RT: 6.14 min Scan# 722

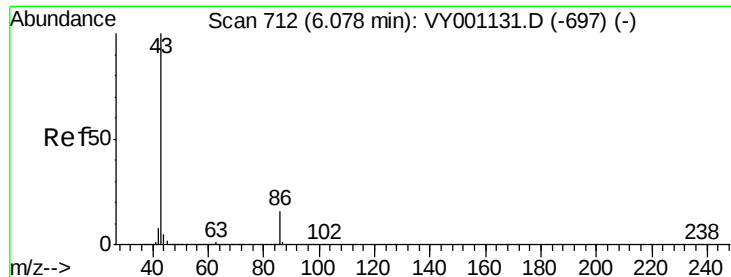
Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	45	Resp:	134042
Ion	Ratio	Lower	Upper
45	100		
43	51.9	43.7	65.5
87	35.7	30.0	45.0
59	11.6	10.5	15.7





#23

Vinyl Acetate

Concen: 51.731 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 409468

Ion Ratio Lower Upper

43 100

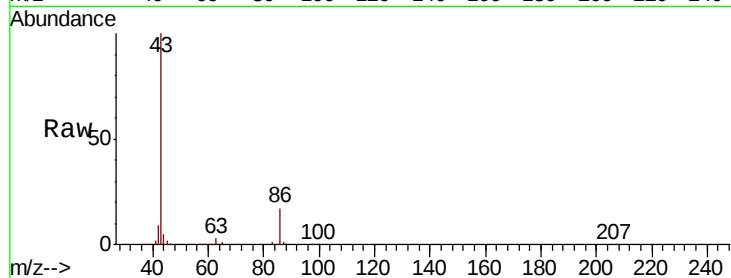
86 16.6 12.6 18.8

Manual Integrations

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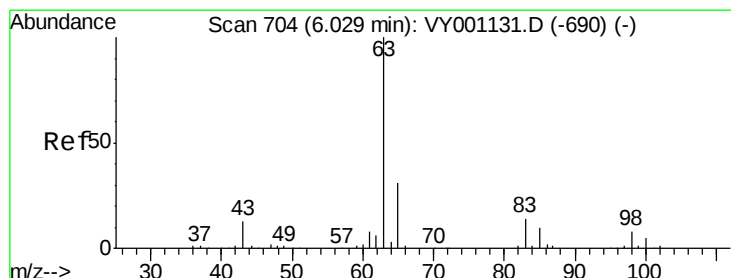
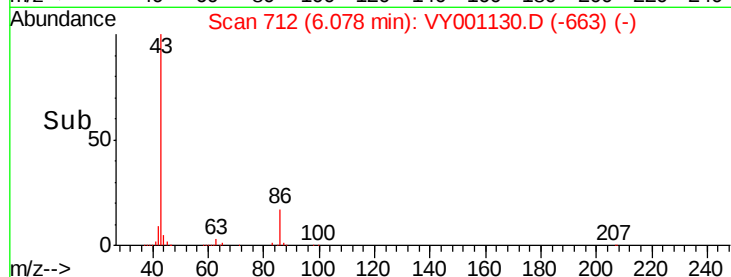
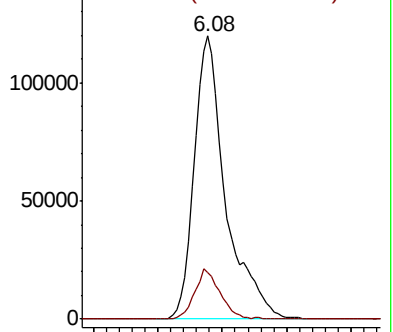
apatel

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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: 11.881 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

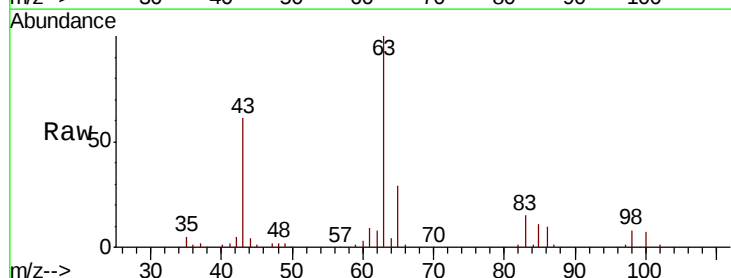
Tgt Ion: 63 Resp: 90038

Ion Ratio Lower Upper

63 100

98 8.0 4.1 12.3

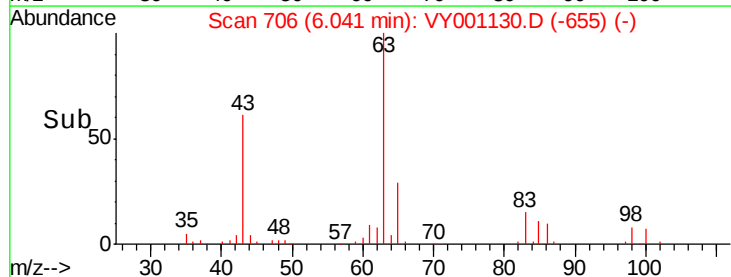
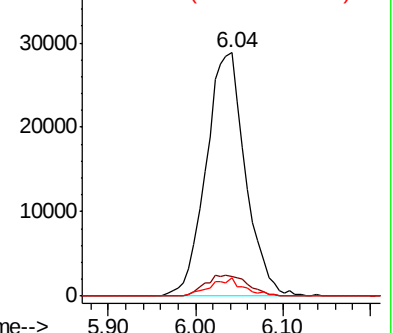
100 7.3 2.5 7.6

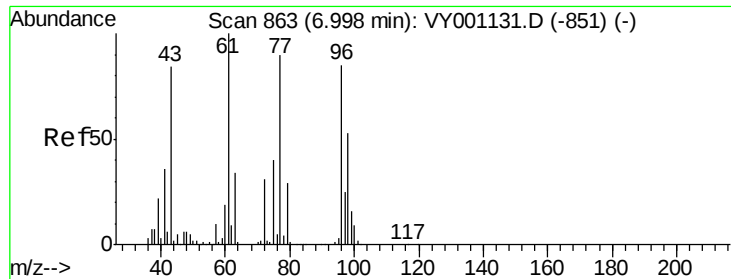


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 71.174 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 100749

Ion Ratio Lower Upper

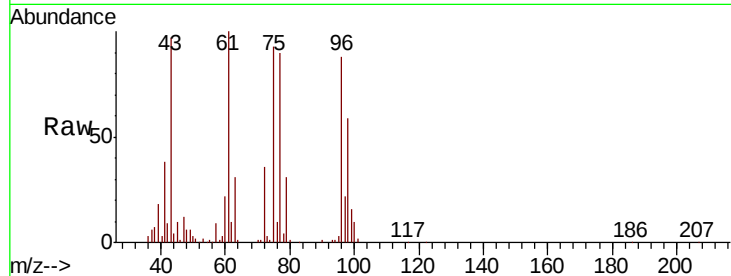
43 100

72 37.5 29.5 44.3

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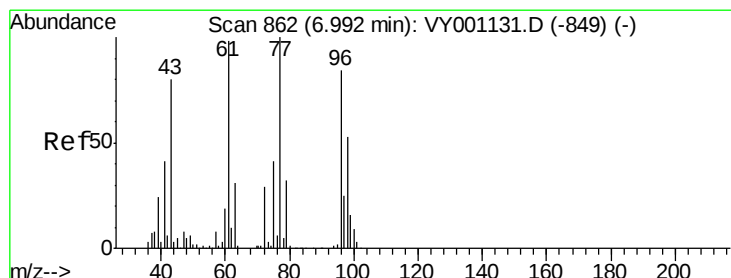
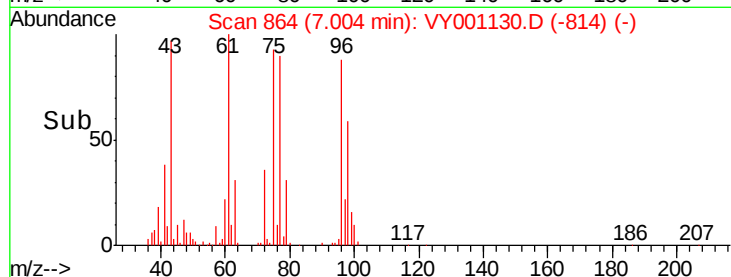
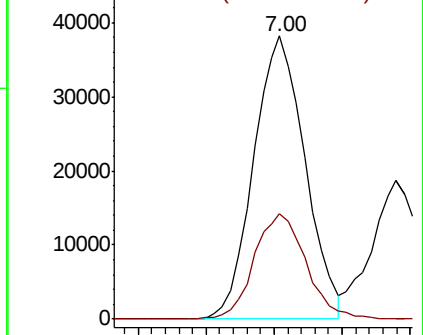
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 18.853 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001130.D

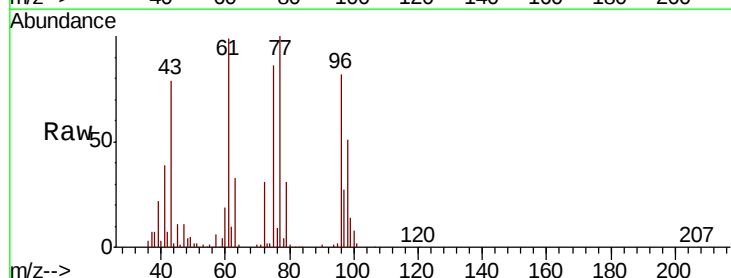
Acq: 02 Jan 2020 11:25

Tgt Ion: 77 Resp: 120019

Ion Ratio Lower Upper

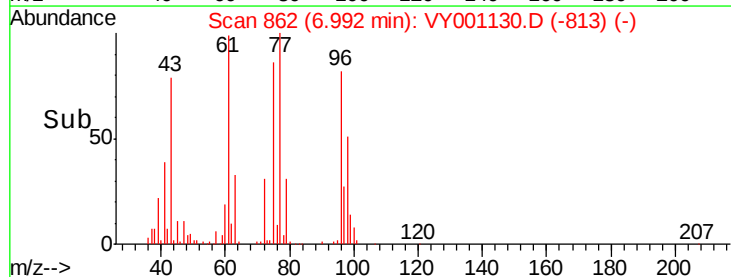
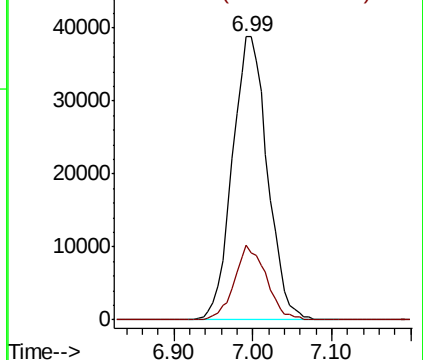
77 100

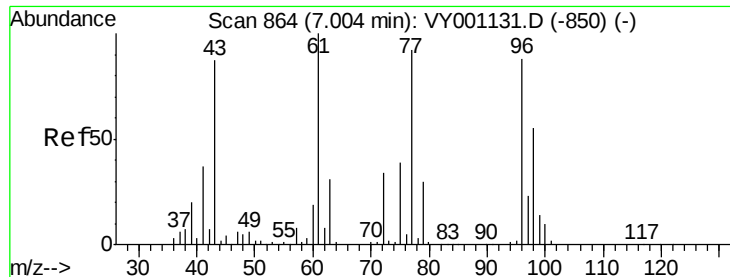
97 24.1 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

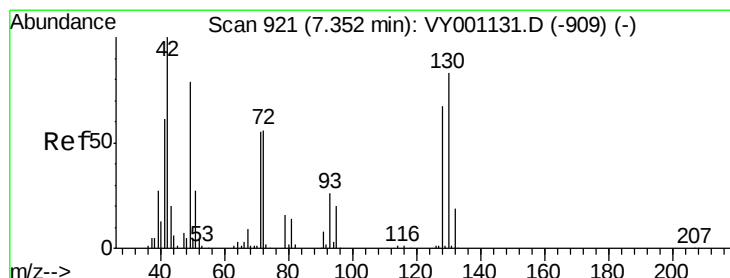
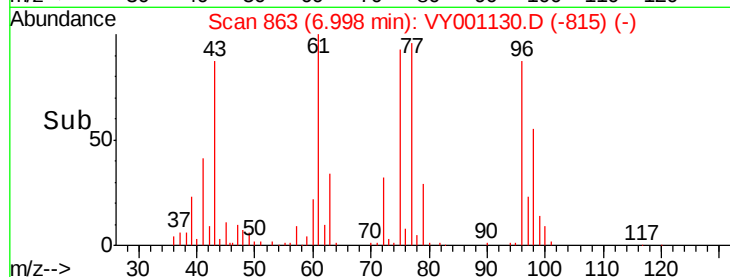
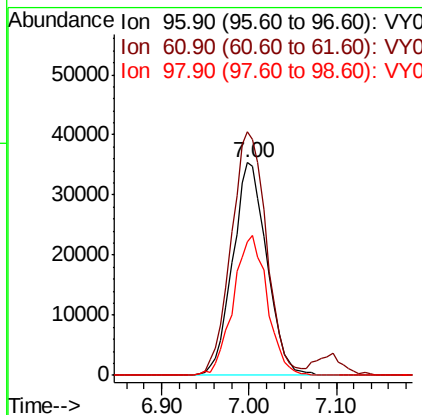
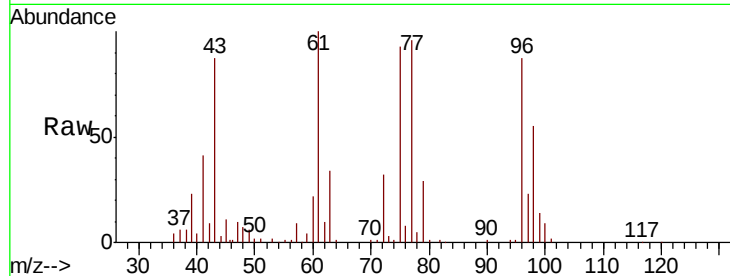
cis-1,2-Dichloroethene
Concen: 18.836 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.6	0.0	235.0
98	65.3	0.0	127.4

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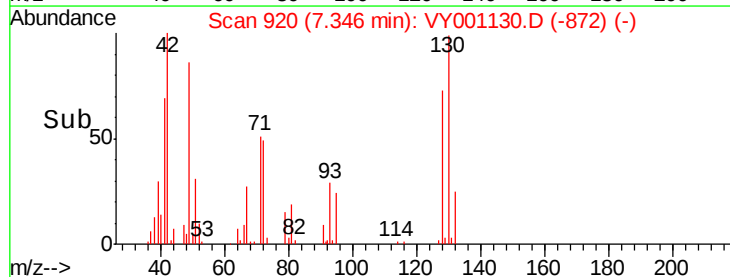
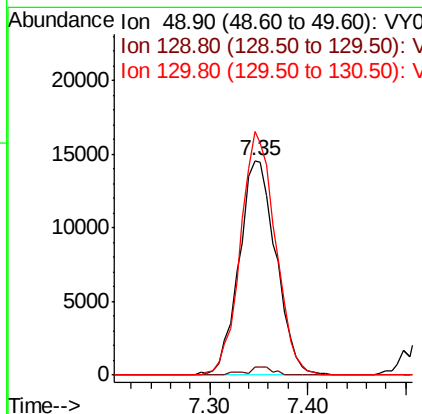
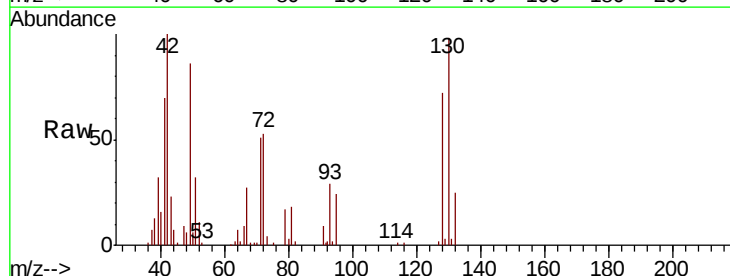
apatel
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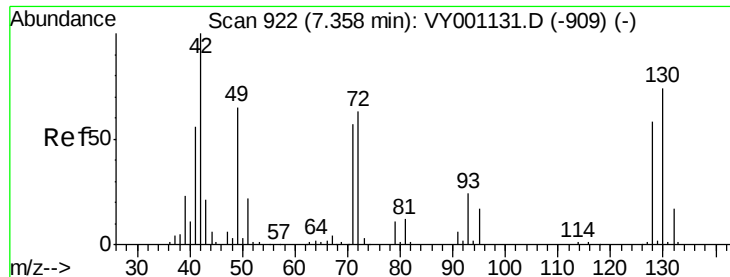


#28

Bromochloromethane
Concen: 13.177 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	6.0
130	107.7	86.9	130.3





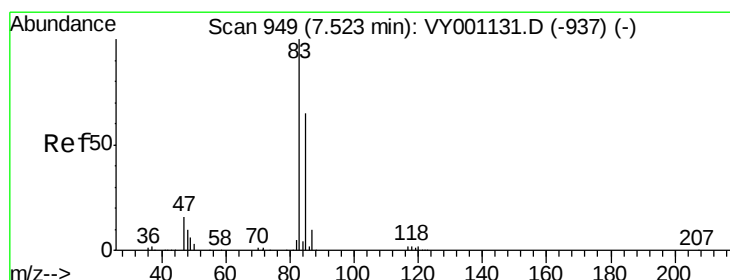
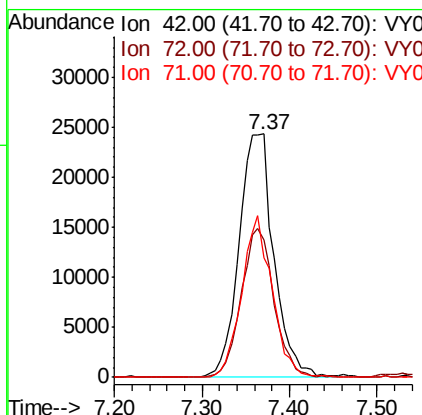
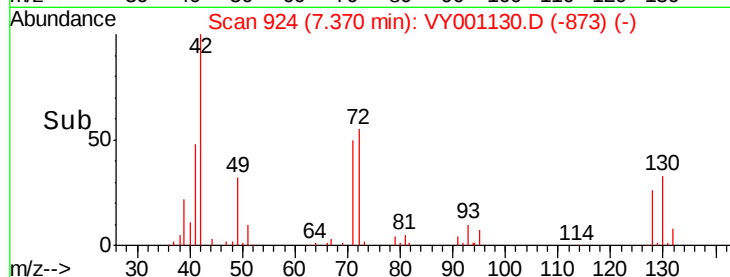
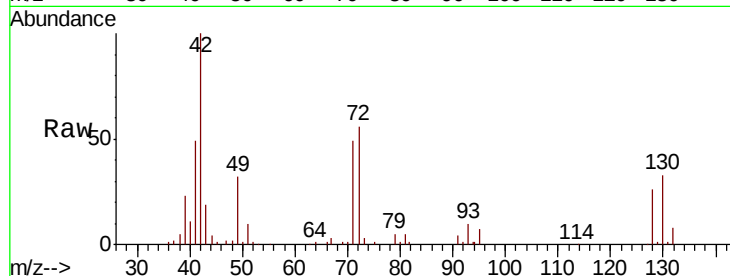
#29
Tetrahydrofuran
Concen: 67.177 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.6	49.0	73.6
71	58.0	45.3	67.9

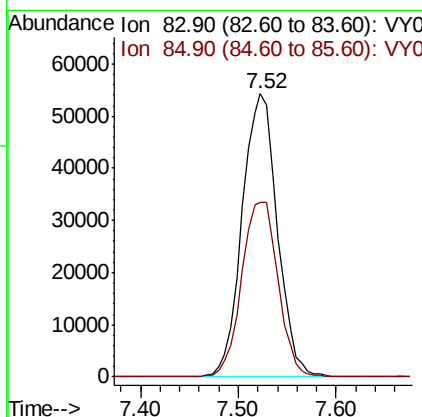
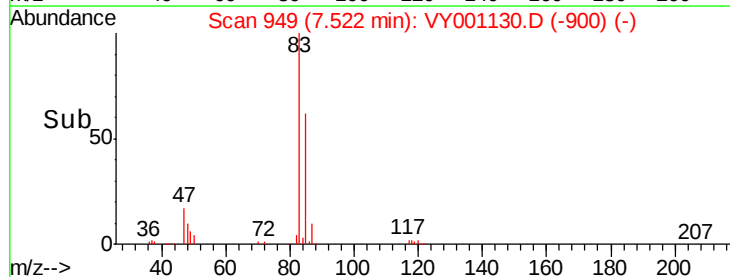
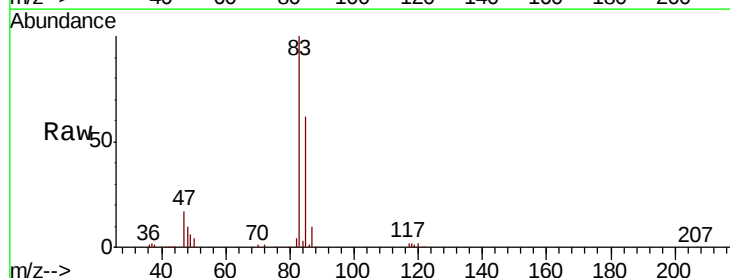
Manual Integrations
APPROVED

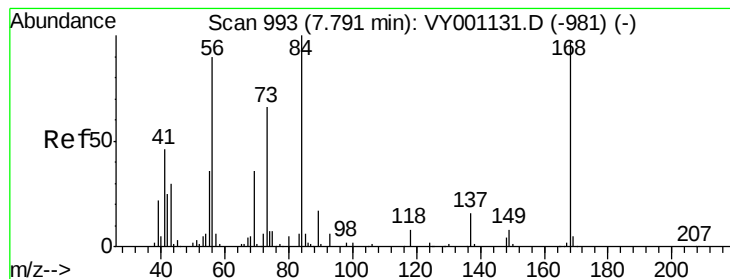
apatel
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#30
Chloroform
Concen: 18.563 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.0	78.0





#31

Cyclohexane

Concen: 15.399 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

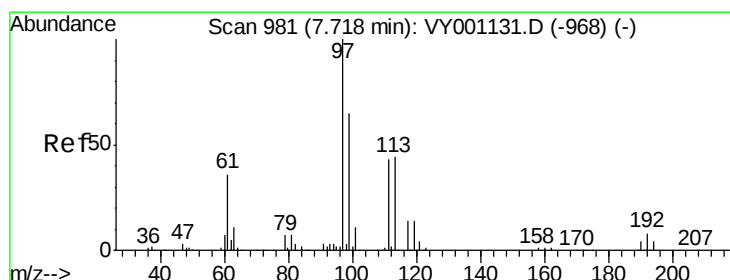
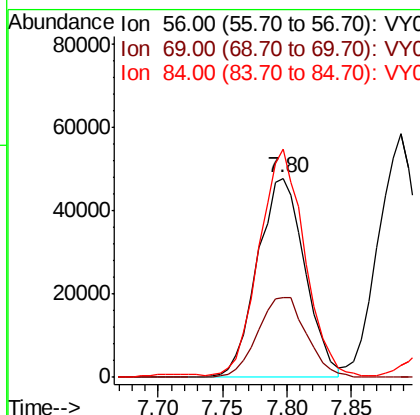
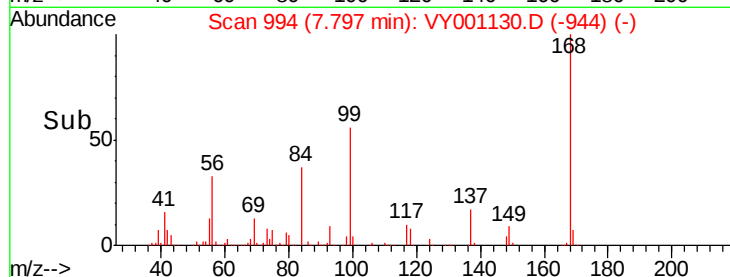
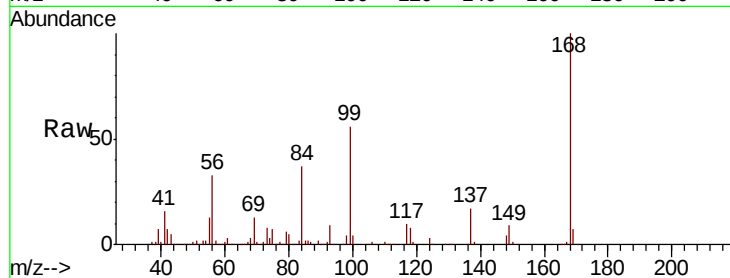
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	122595
Ion Ratio	Lower	Upper	
56	100		
69	40.0	32.0	48.0
84	113.4	89.1	133.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.141 ug/l

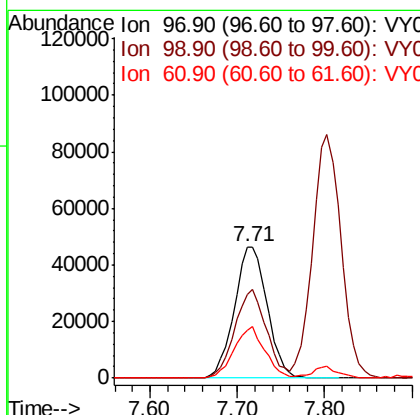
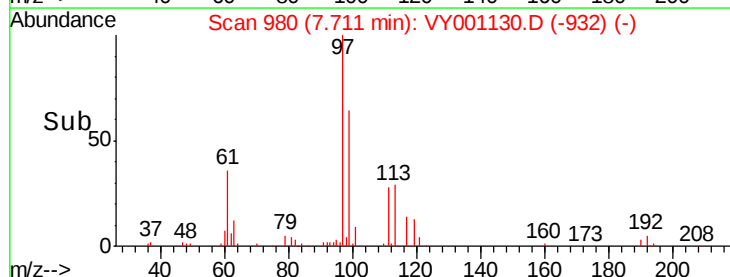
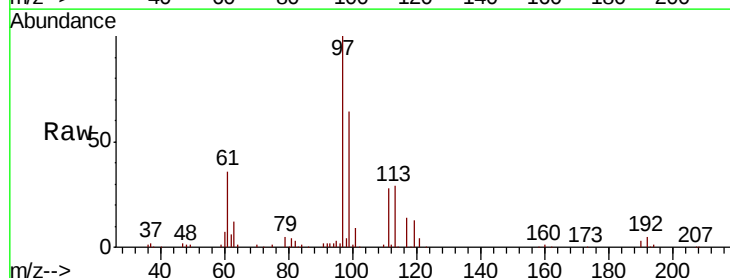
RT: 7.71 min Scan# 980

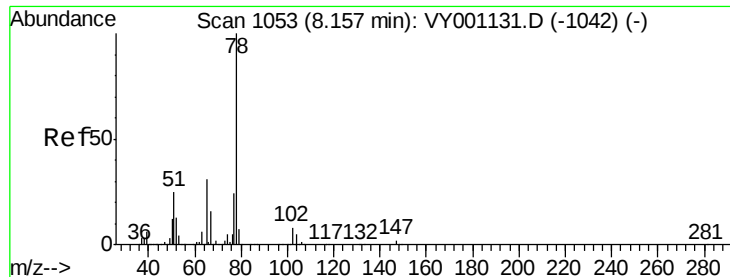
Delta R.T. -0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	97	Resp:	121060
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.0	76.6
61	36.6	29.2	43.8





#33

1,2-Dichloroethane-d4

Concen: 17.072 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 61513

Ion Ratio Lower Upper

65 100

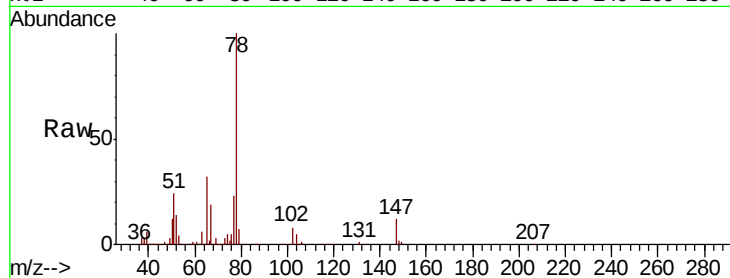
67 58.1 0.0 110.6

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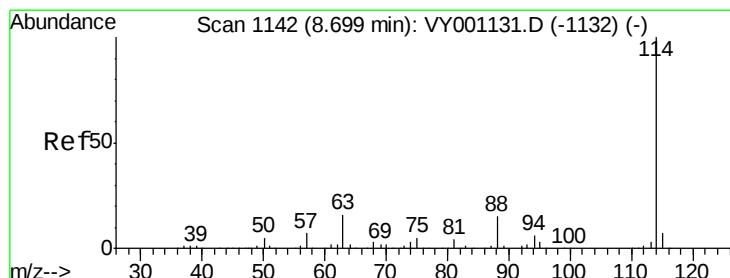
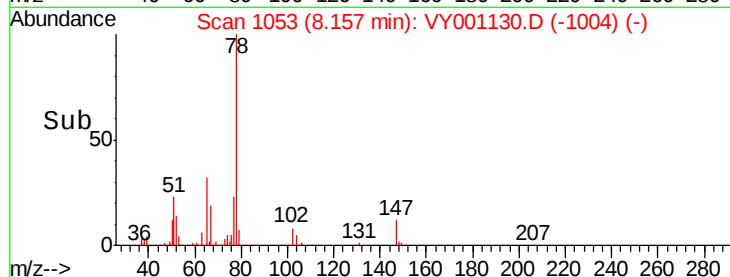
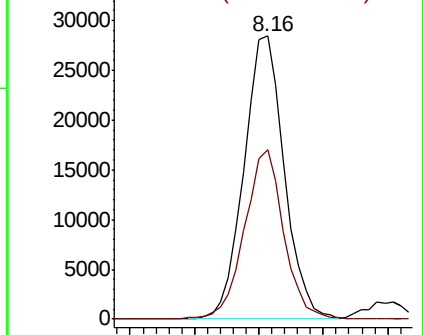
apatel

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Abundance Ion 64.90 (64.60 to 65.60): VY001130.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY001130.D (-1042) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

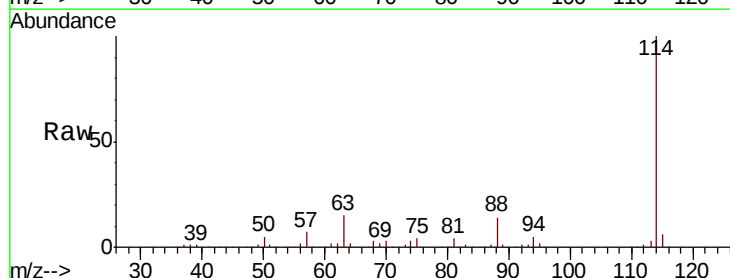
Tgt Ion: 114 Resp: 603288

Ion Ratio Lower Upper

114 100

63 15.4 0.0 33.0

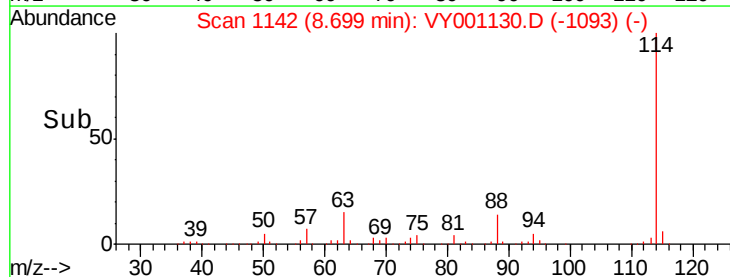
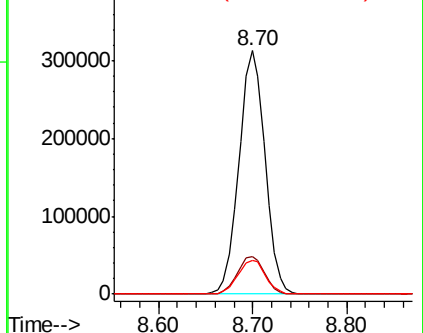
88 14.1 0.0 30.0

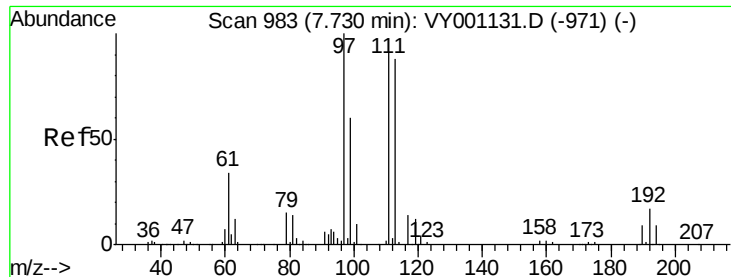


Abundance Ion 113.90 (113.60 to 114.60): VY001130.D (-1093) (-)

Ion 63.00 (62.70 to 63.30): VY001130.D (-1093) (-)

Ion 87.90 (87.60 to 88.20): VY001130.D (-1093) (-)





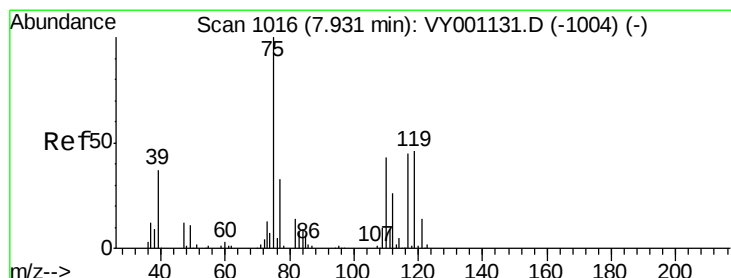
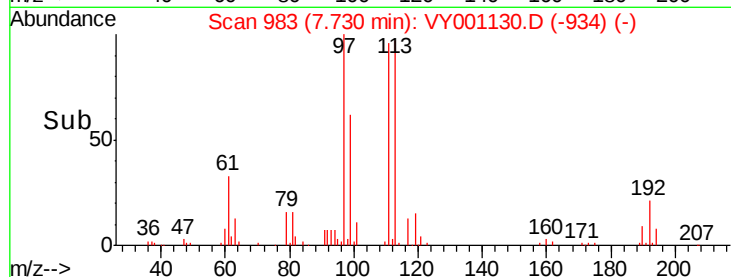
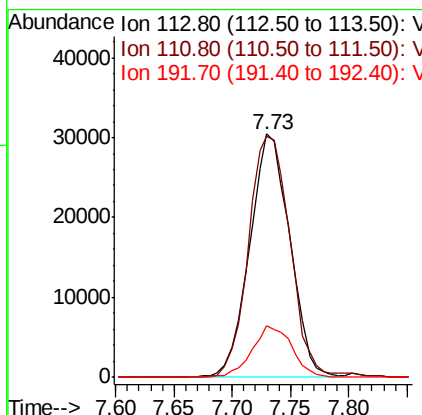
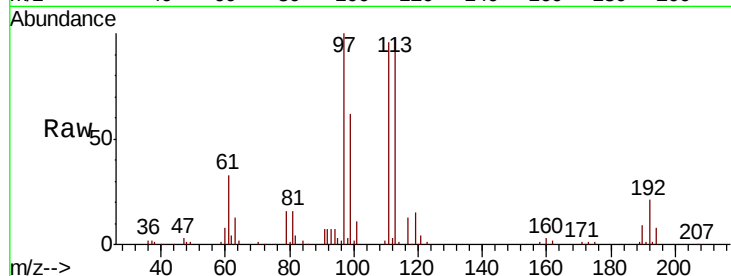
#35
 Dibromofluoromethane
 Concen: 20.429 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.0	121.4
192	20.9	16.4	24.6

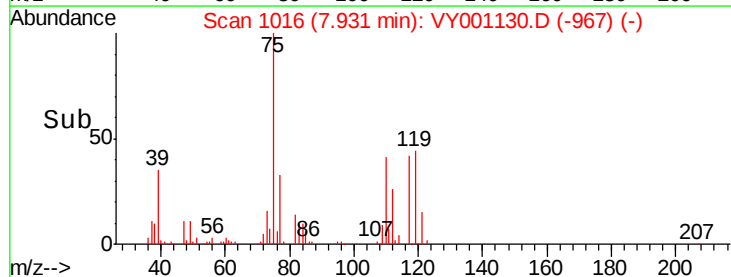
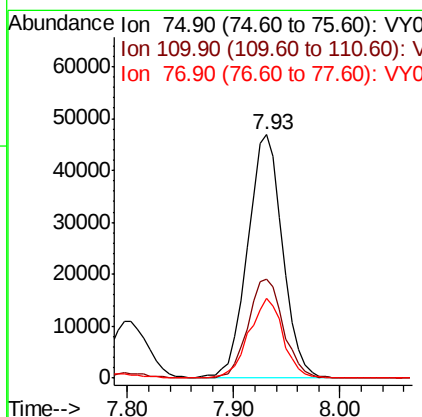
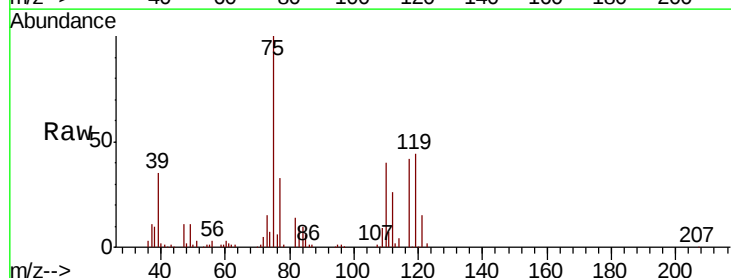
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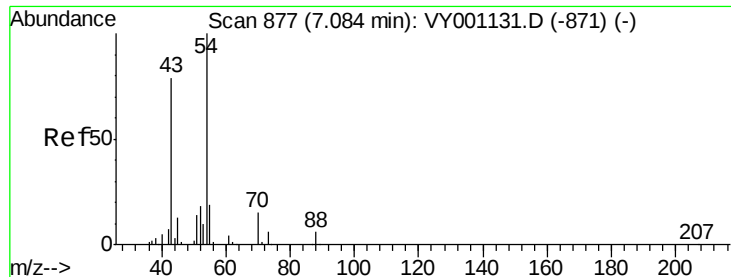
apatel
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#36
 1,1-Dichloropropene
 Concen: 18.675 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.2	20.6	61.8
77	32.2	25.7	38.5





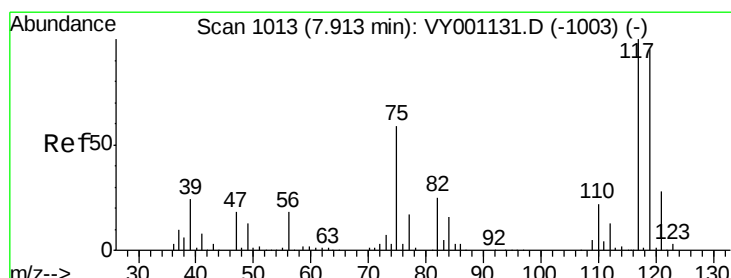
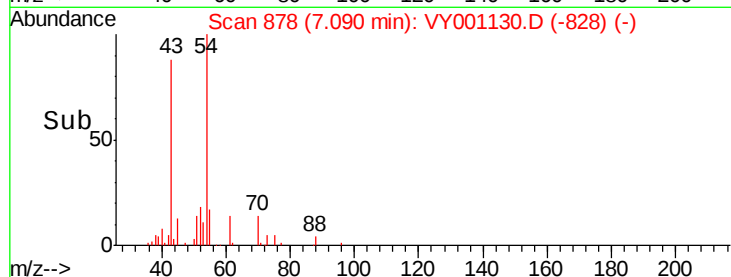
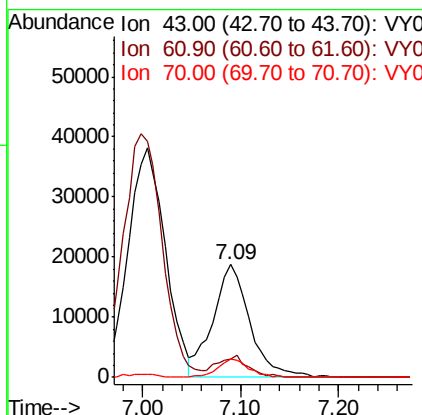
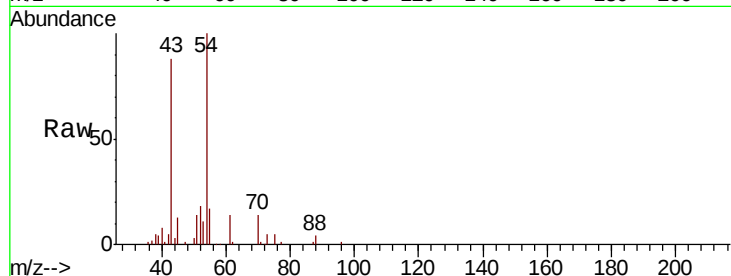
#37
Ethyl Acetate
Concen: 16.027 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	14.4	21.6
70	14.4	11.5	17.3

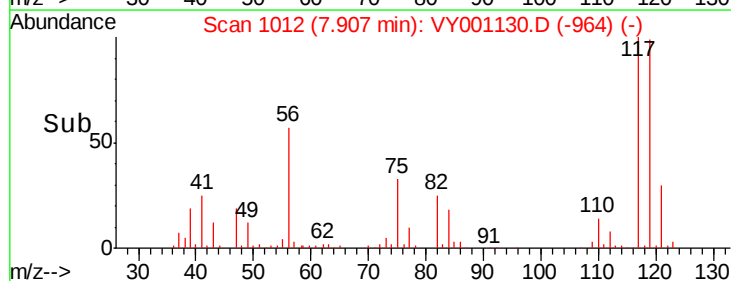
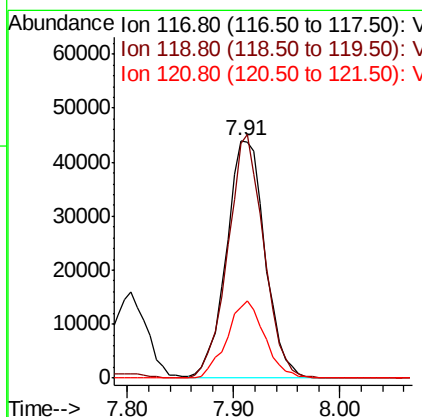
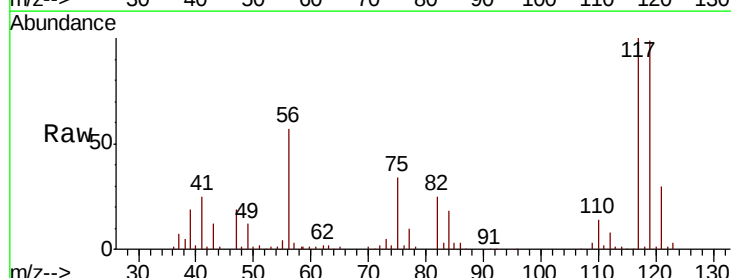
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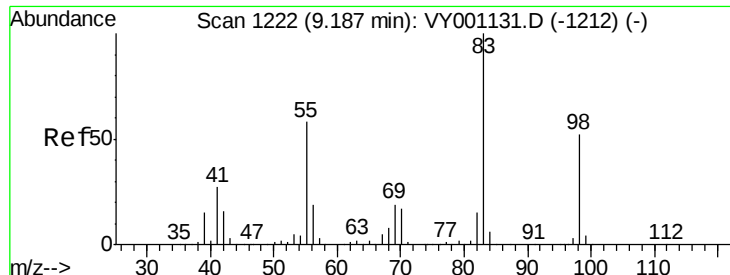
apatel
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#38
Carbon Tetrachloride
Concen: 21.549 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.8	113.6
121	29.7	22.5	33.7





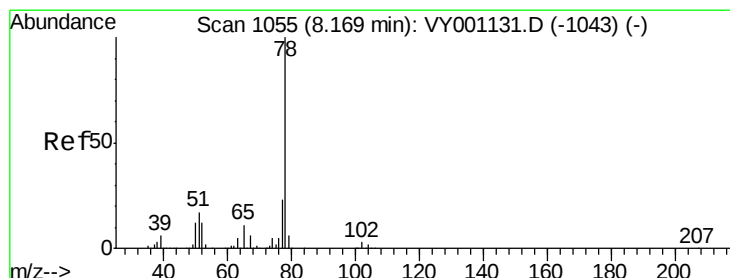
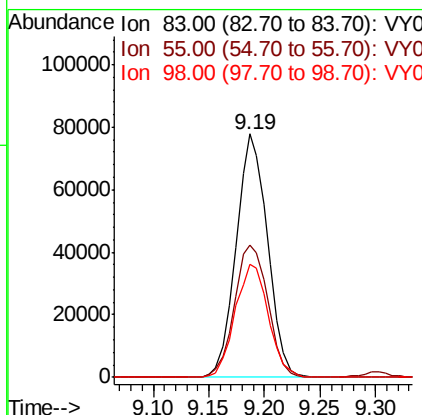
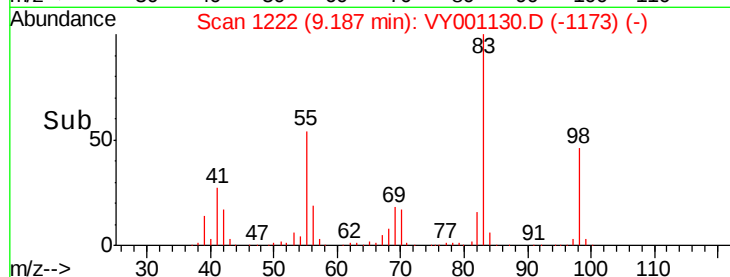
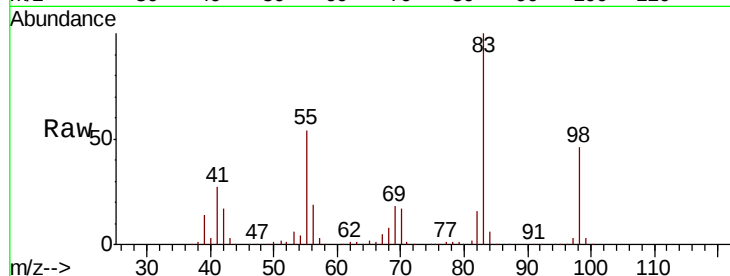
#39
Methvlcvclohexane
Concen: 19.784 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	151918
Ion Ratio	100	Lower	Upper
83	100		
55	54.1	46.4	69.6
98	46.5	41.5	62.3

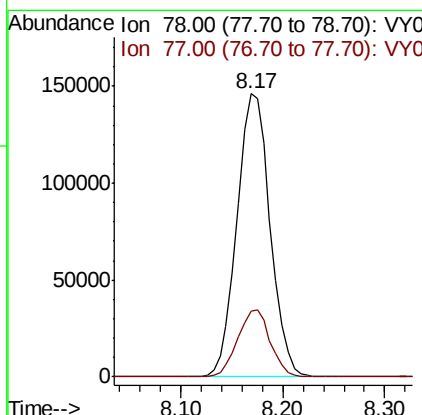
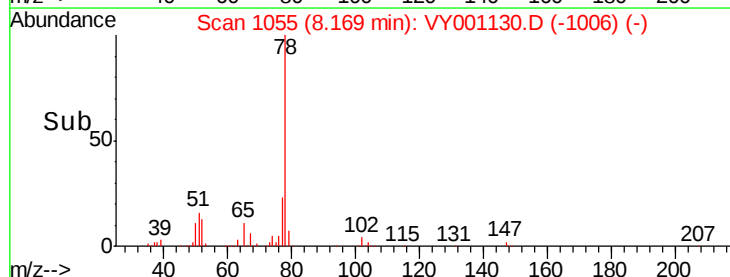
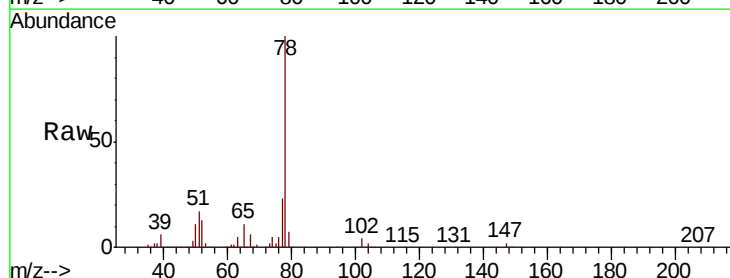
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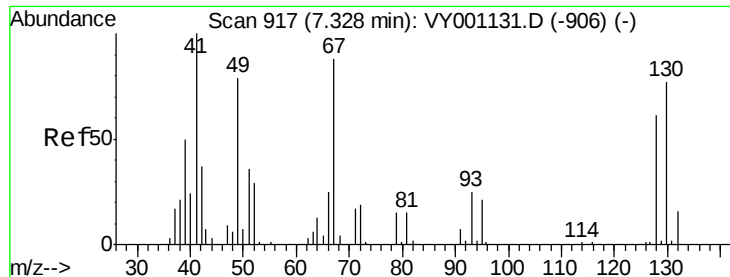
apatel
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#40
Benzene
Concen: 18.962 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	78	Resp	329744
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.8	28.2





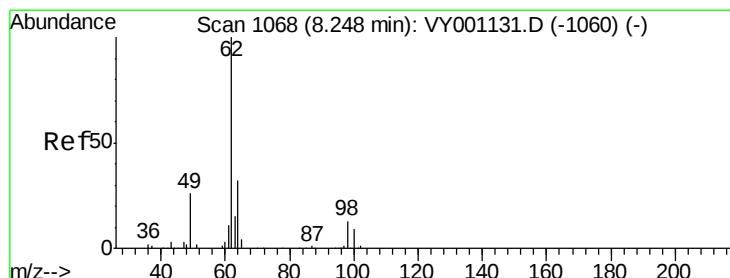
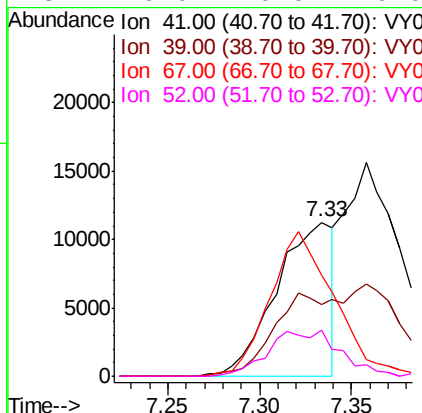
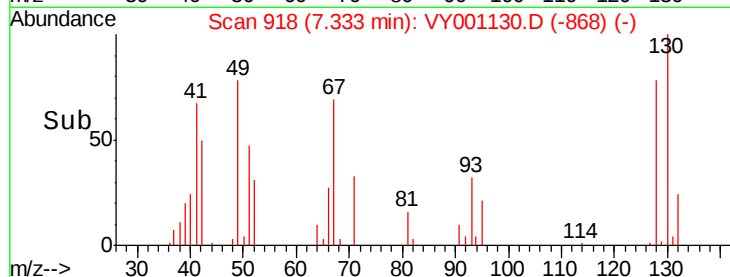
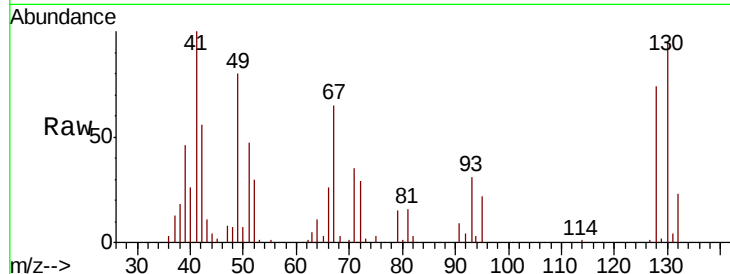
#41
Methacrylonitrile
Concen: 19.209 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	24645
Ion Ratio	Lower	Upper	
41	100		
39	0.0	122.9	184.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

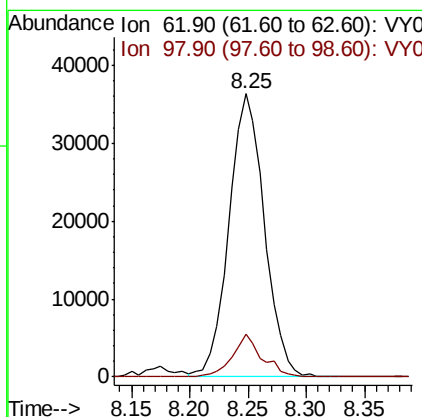
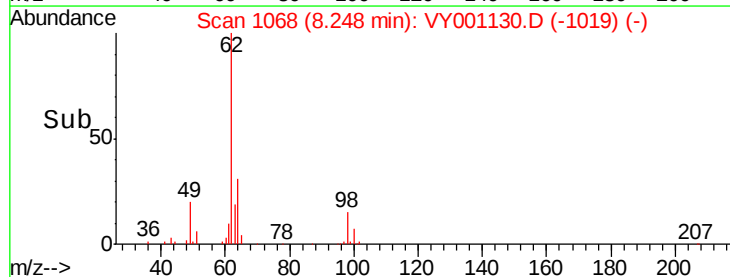
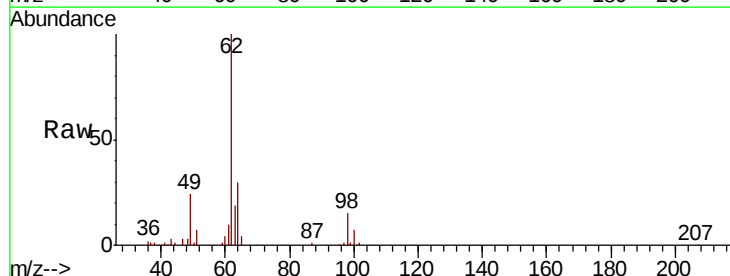
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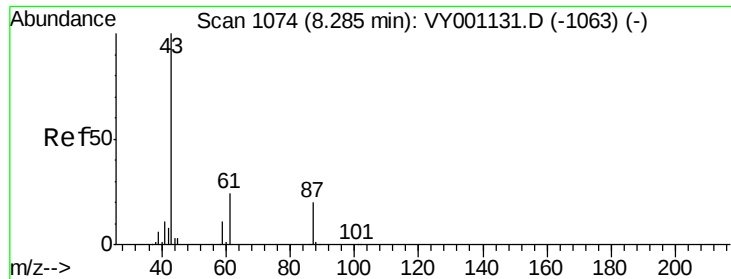
apatel
1/3/2020 11:12:10 AM



#42
1,2-Dichloroethane
Concen: 18.666 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion:	62	Resp:	77105
Ion Ratio	Lower	Upper	
62	100		
98	12.5	0.0	24.4





#43

Isopropyl Acetate

Concen: 15.573 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

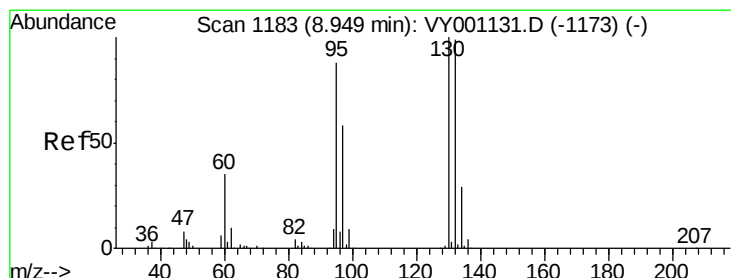
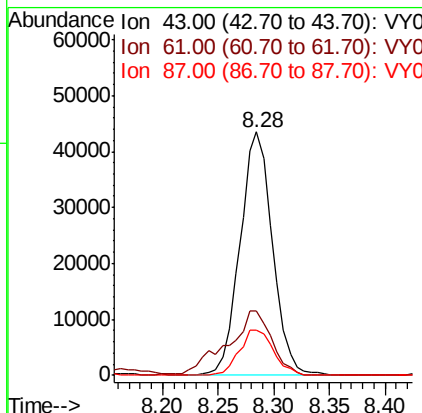
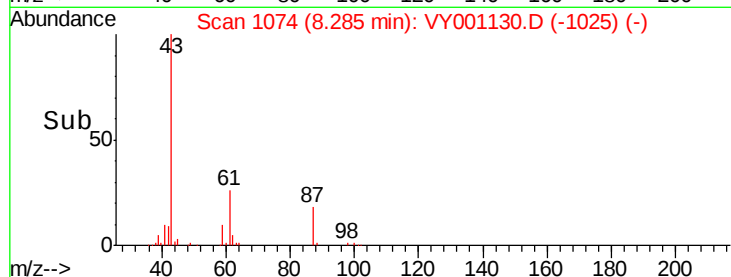
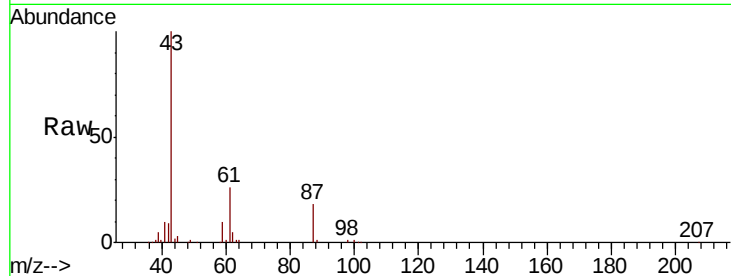
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	88213
Ion	Ratio	Lower	Upper
43	100		
61	36.4	29.1	43.7
87	19.6	15.4	23.2

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#44

Trichloroethene

Concen: 21.512 ug/l

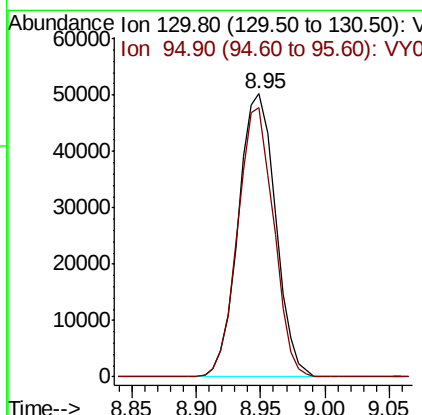
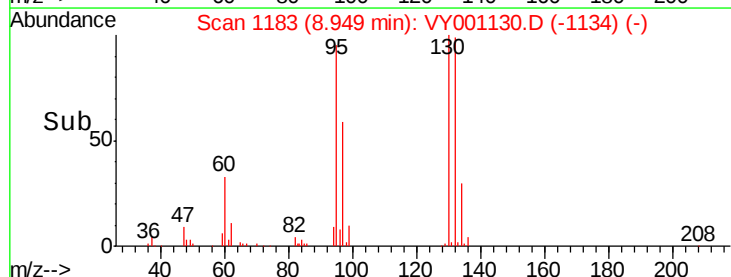
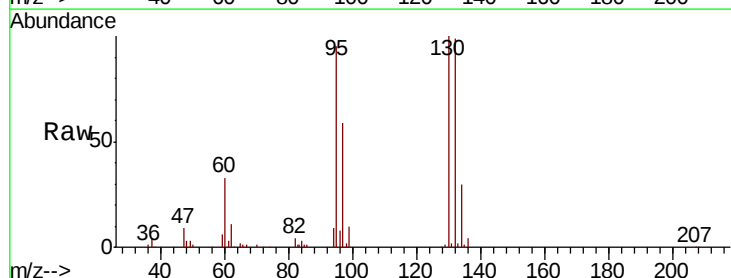
RT: 8.95 min Scan# 1183

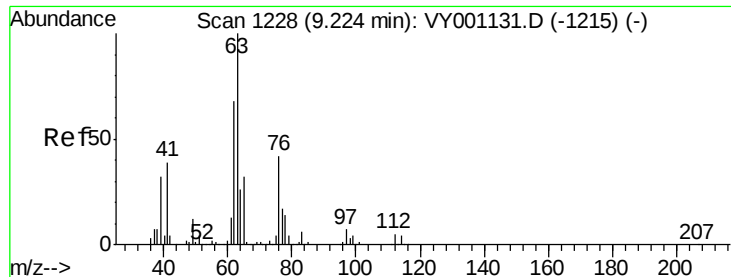
Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	130	Resp:	100572
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	176.8





#45

1,2-Dichloropropane

Concen: 17.664 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 75415

Ion Ratio Lower Upper

63 100

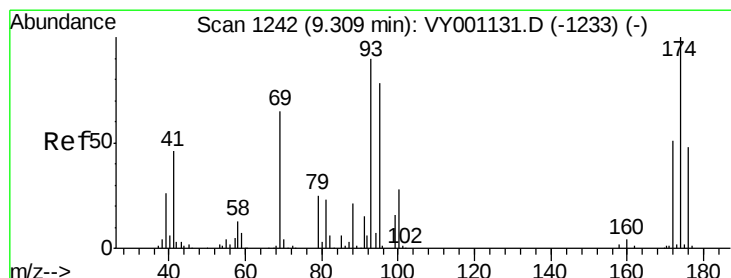
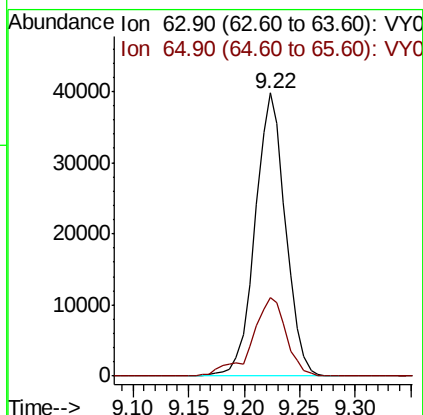
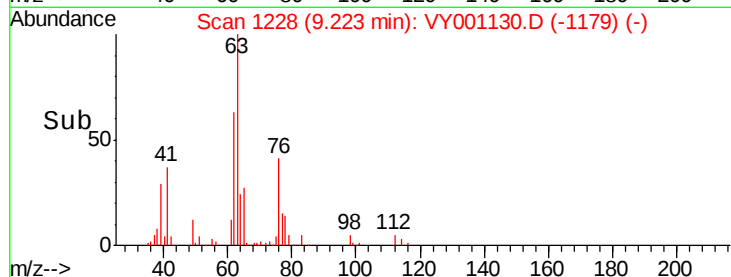
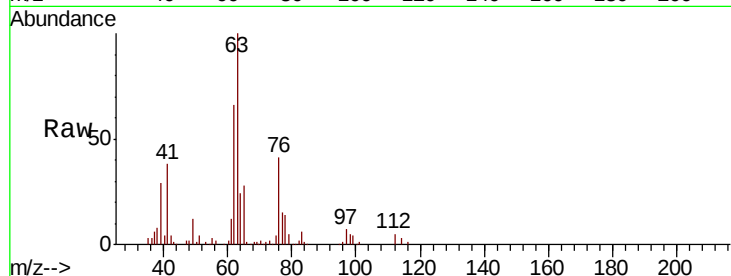
65 27.7 25.6 38.4

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#46

Dibromomethane

Concen: 19.752 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

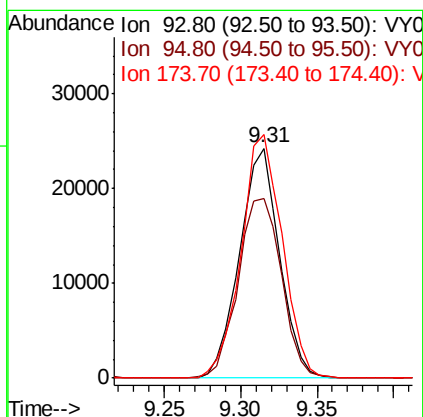
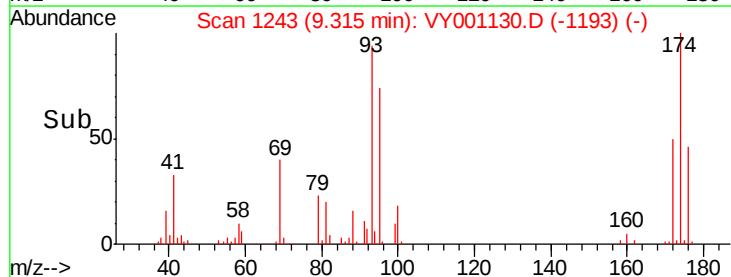
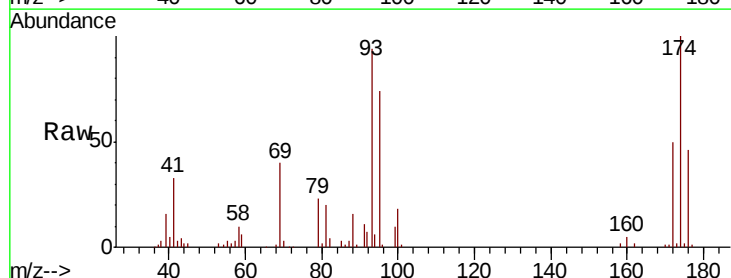
Tgt Ion: 93 Resp: 44001

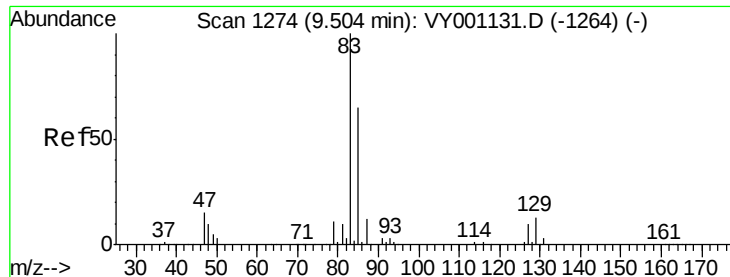
Ion Ratio Lower Upper

93 100

95 85.1 68.7 103.1

174 109.1 88.0 132.0





#47

Bromodichloromethane

Concen: 19.030 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

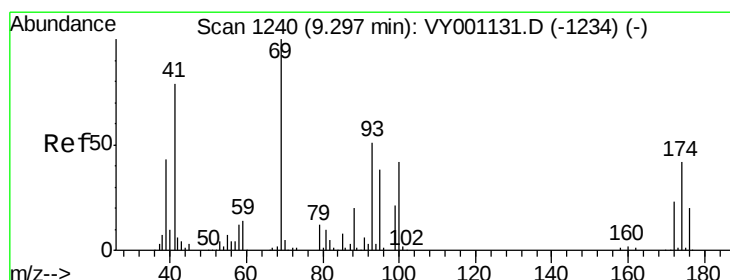
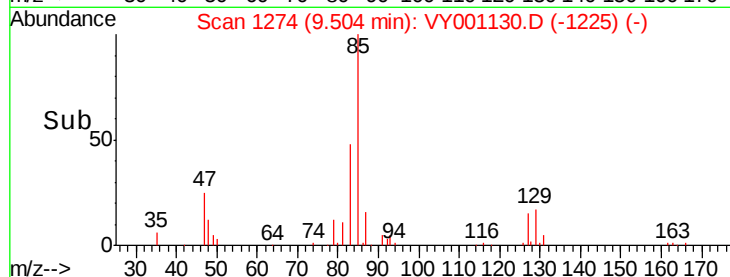
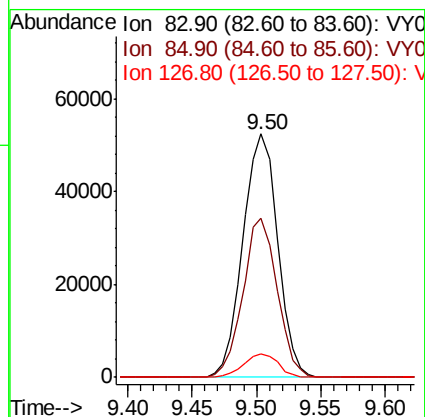
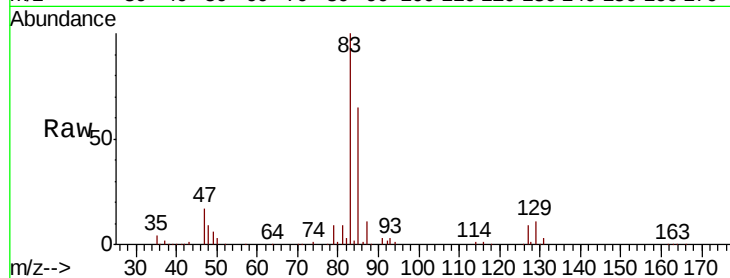
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	97847
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.7	77.5
127	9.4	7.6	11.4

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#48

Methyl methacrylate

Concen: 15.366 ug/l

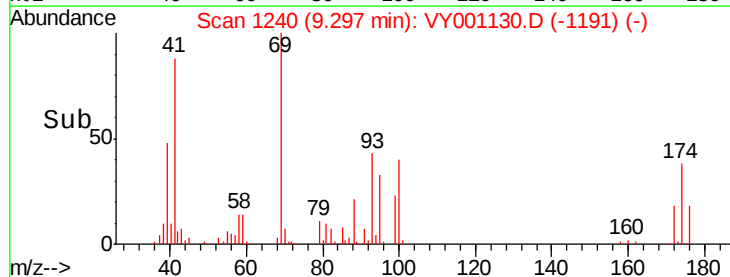
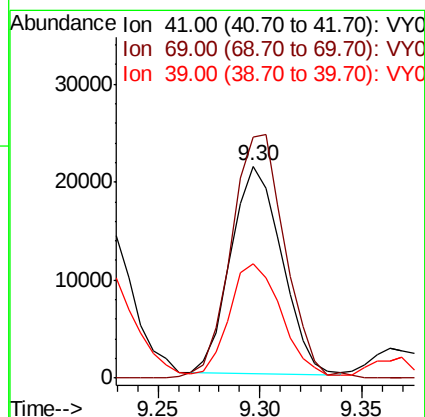
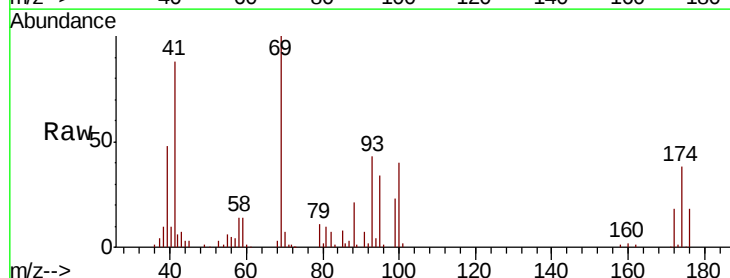
RT: 9.30 min Scan# 1240

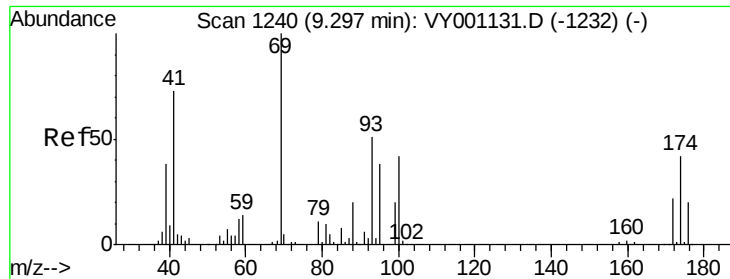
Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	41	Resp:	36881
Ion	Ratio	Lower	Upper
41	100		
69	123.4	100.3	150.5
39	57.1	47.6	71.4





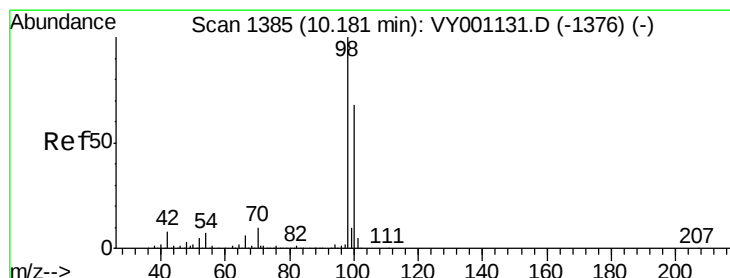
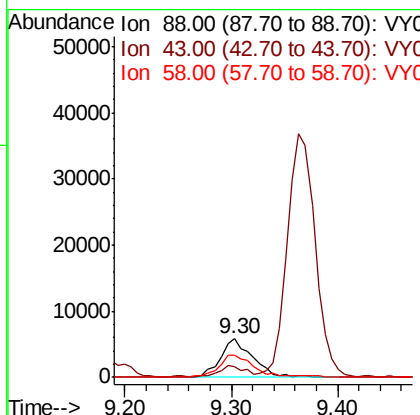
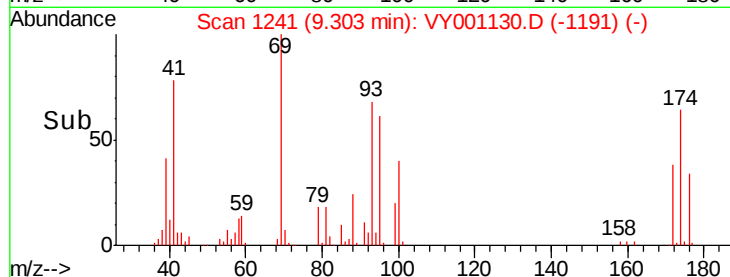
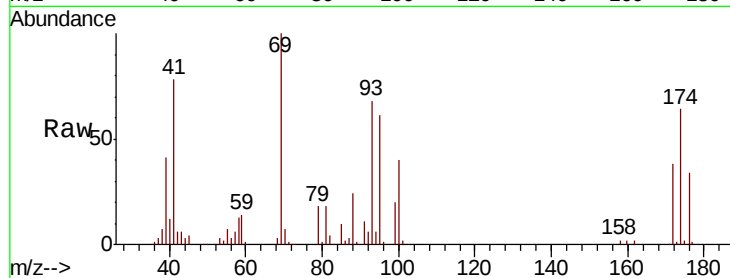
#49
1,4-Dioxane
Concen: 384.536 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.1	19.0	28.4
58	59.6	48.2	72.4

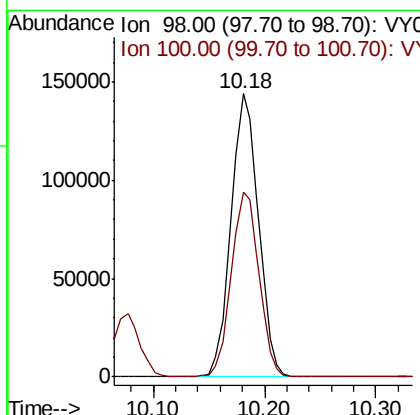
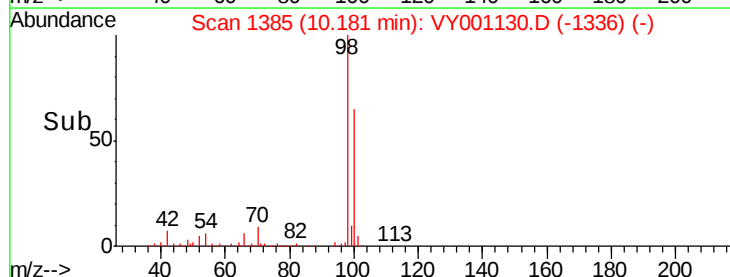
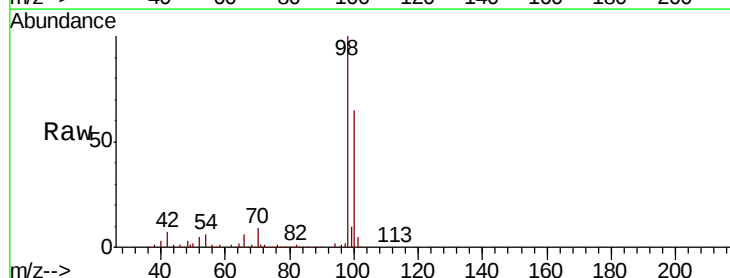
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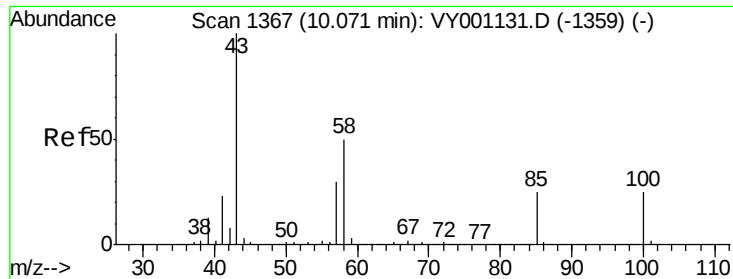
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#50
Toluene-d8
Concen: 17.950 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 76.399 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 221950

Ion Ratio Lower Upper

43 100

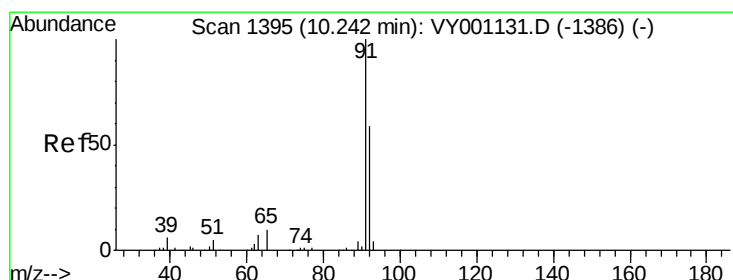
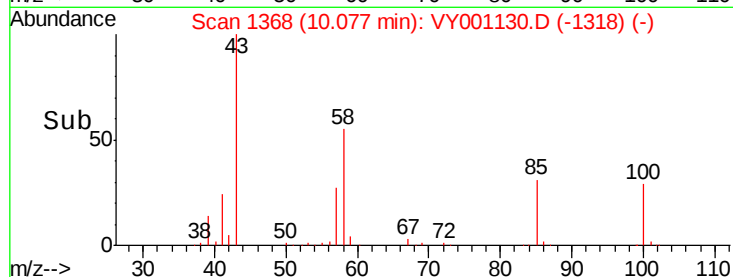
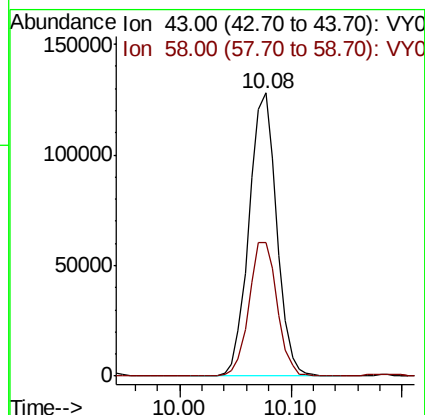
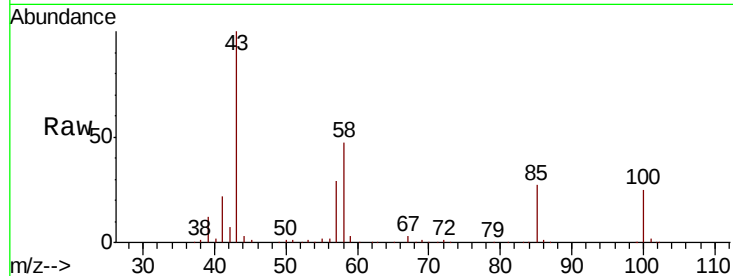
58 48.0 39.1 58.7

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#52

Toluene

Concen: 19.599 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001130.D

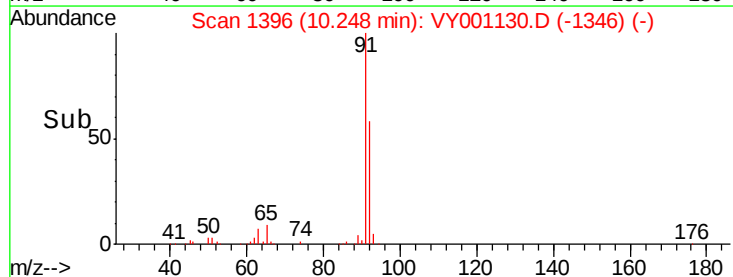
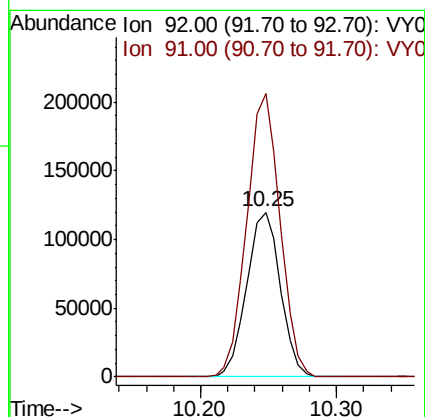
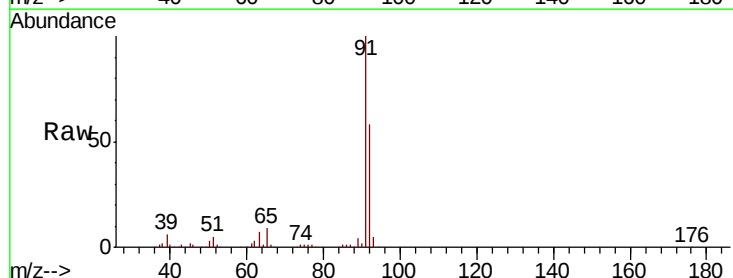
Acq: 02 Jan 2020 11:25

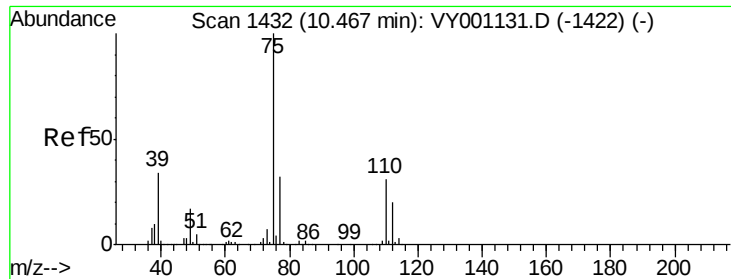
Tgt Ion: 92 Resp: 208212

Ion Ratio Lower Upper

92 100

91 170.0 137.6 206.4





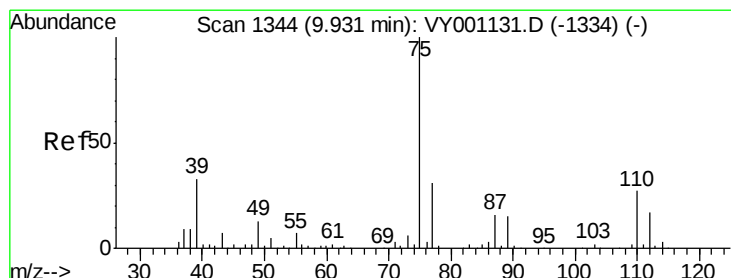
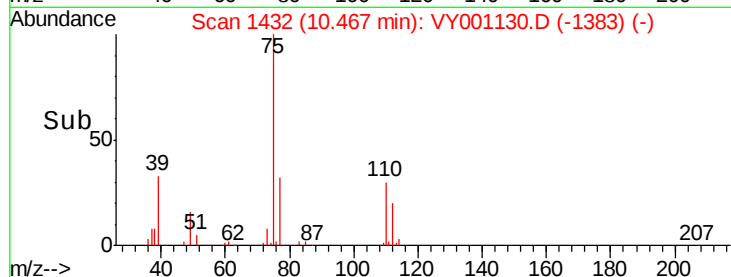
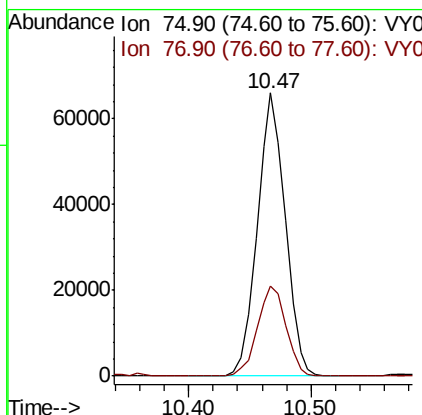
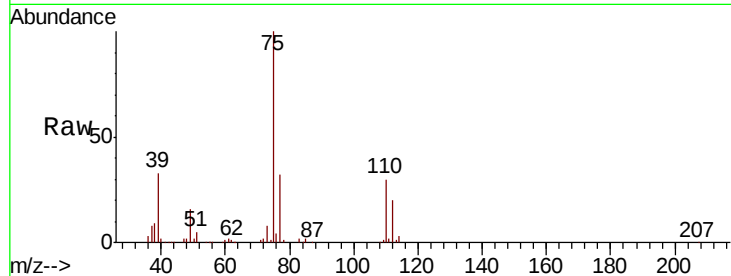
#53
t-1,3-Dichloropropene
Concen: 18.845 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5

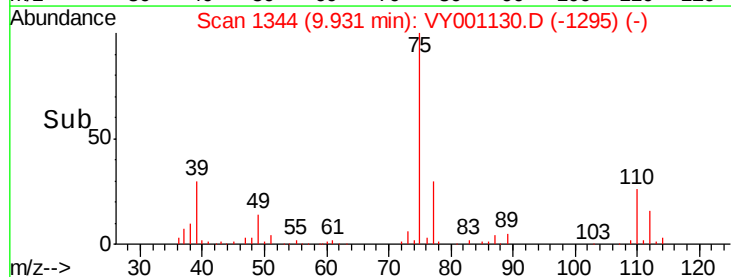
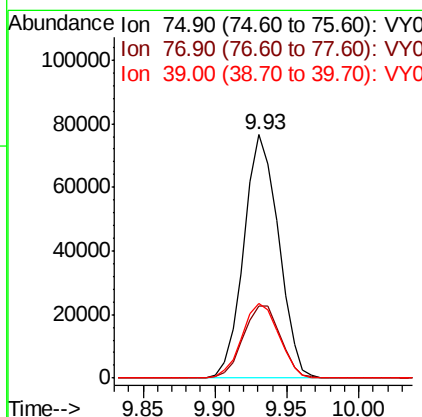
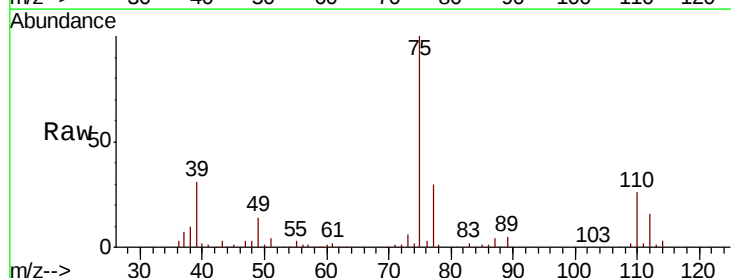
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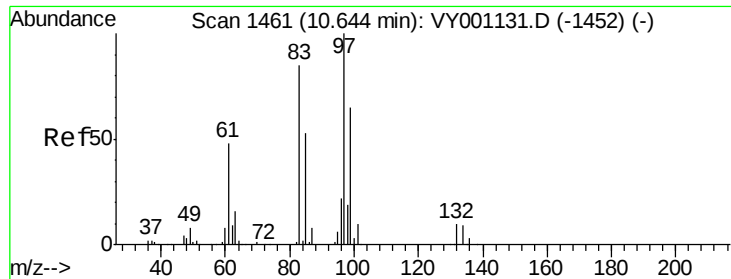
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#54
cis-1,3-Dichloropropene
Concen: 19.256 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.6	37.0
39	30.6	26.2	39.4





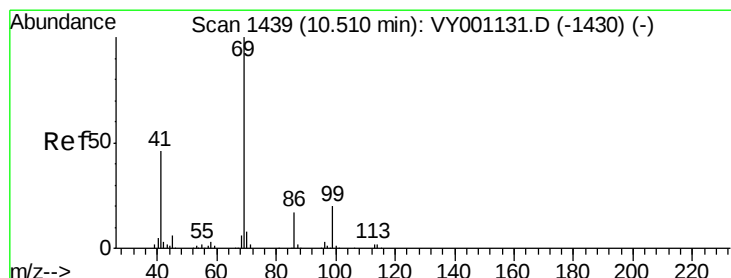
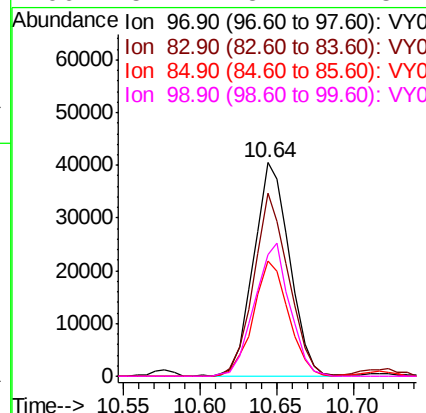
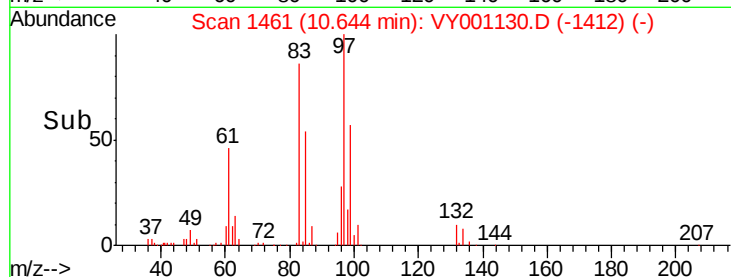
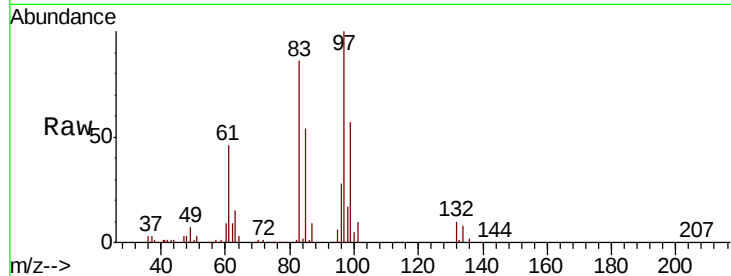
#55
 1,1,2-Trichloroethane
 Concen: 19.787 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	66370
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.7	101.5
85	53.7	42.7	64.1
99	57.2	52.2	78.2

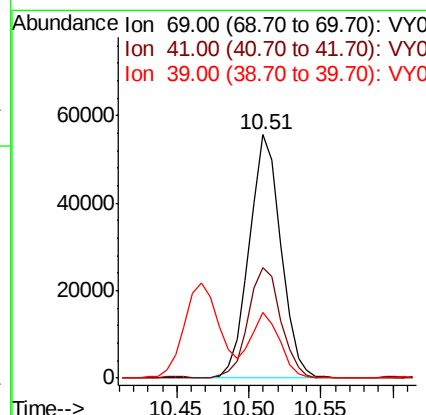
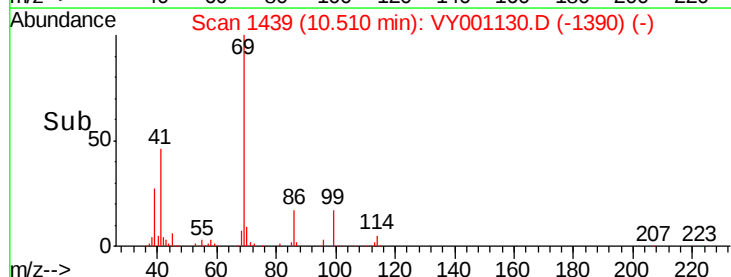
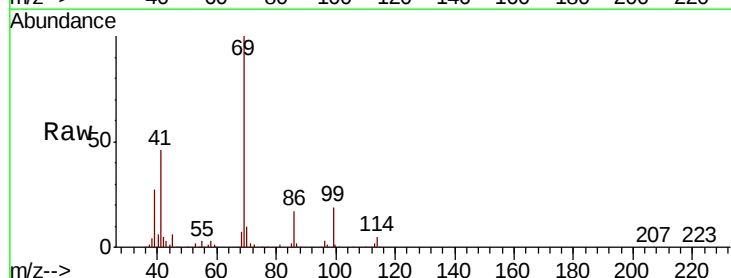
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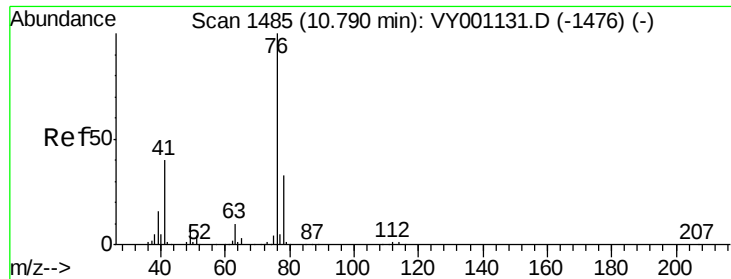
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#56
 Ethyl methacrylate
 Concen: 18.128 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion:	69	Resp:	84763
Ion	Ratio	Lower	Upper
69	100		
41	47.1	37.5	56.3
39	25.0	19.0	28.6





#57

1,3-Dichloropropane

Concen: 18.182 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 105631

Ion Ratio Lower Upper

76 100

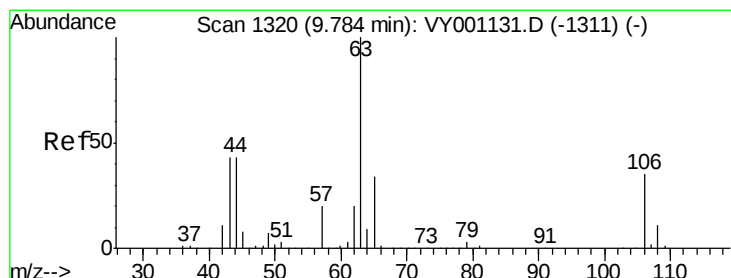
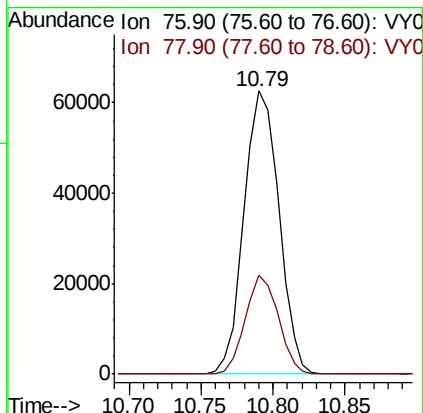
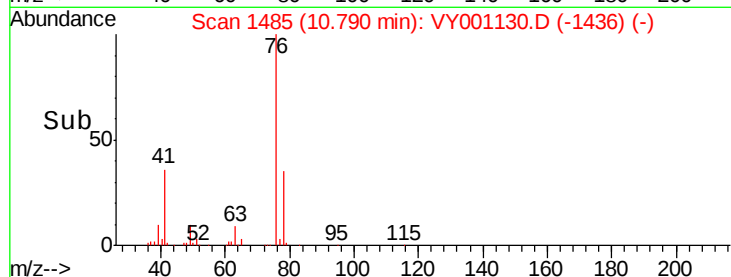
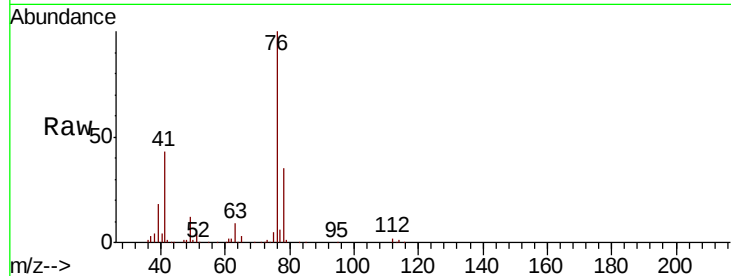
78 33.0 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 85.966 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001130.D

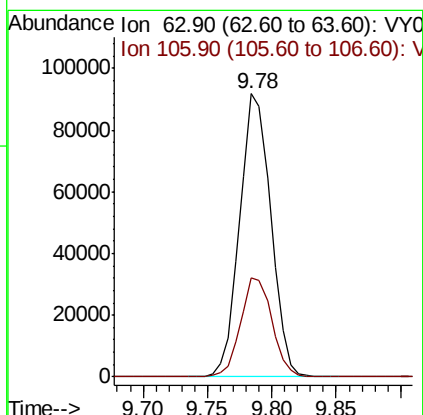
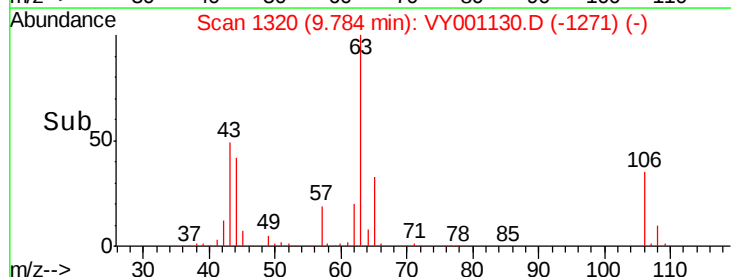
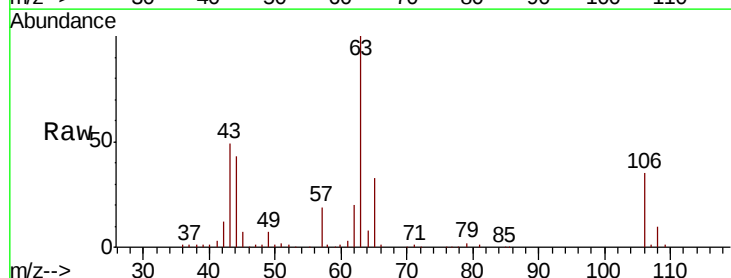
Acq: 02 Jan 2020 11:25

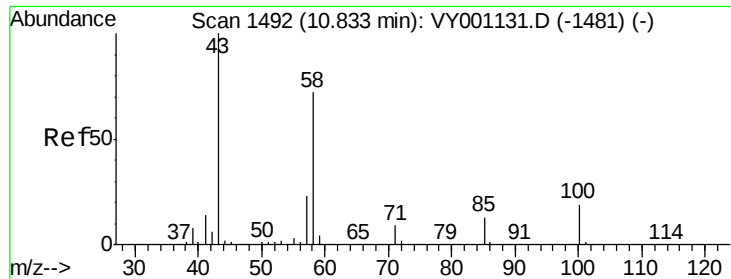
Tgt Ion: 63 Resp: 153929

Ion Ratio Lower Upper

63 100

106 35.1 28.0 42.0





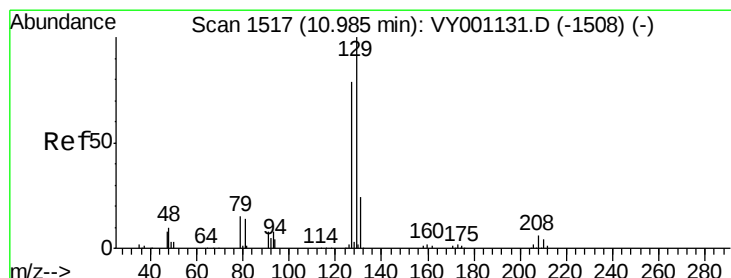
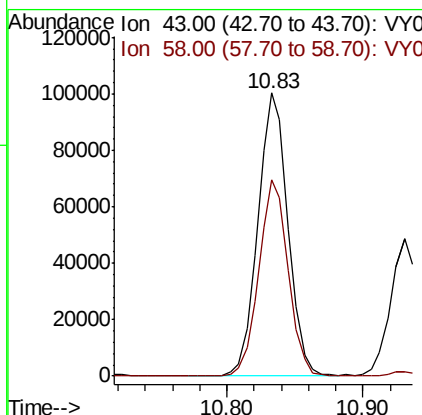
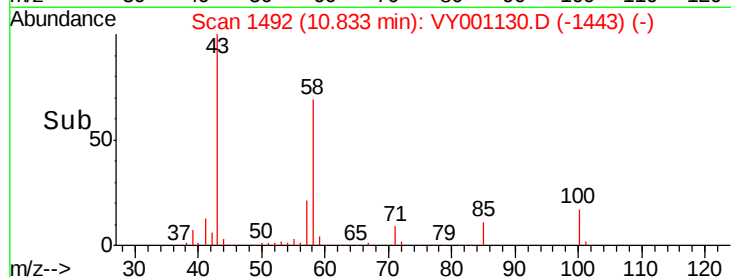
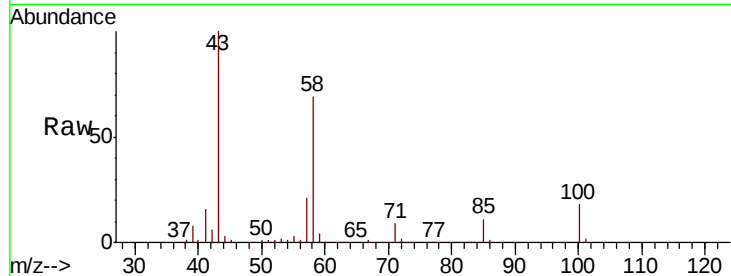
#59
2-Hexanone
Concen: 76.315 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	67.9	34.4	103.3

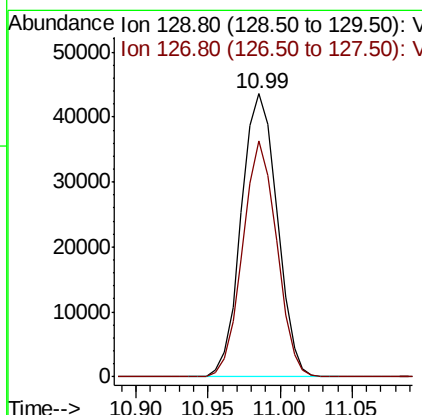
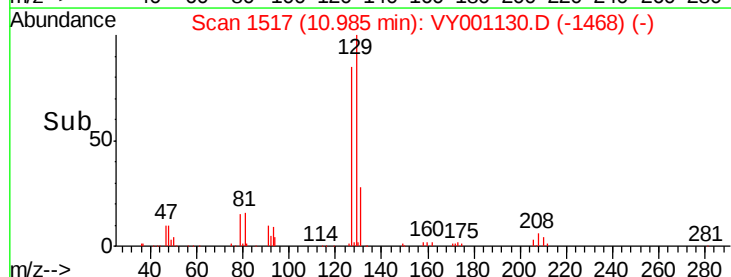
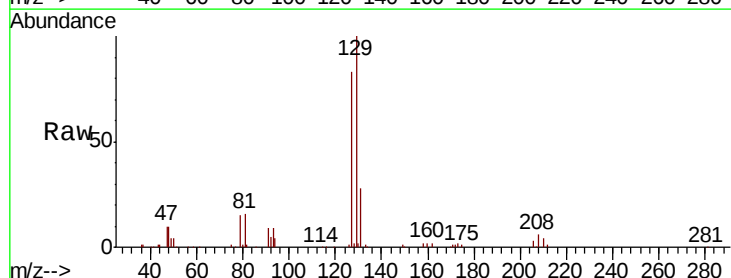
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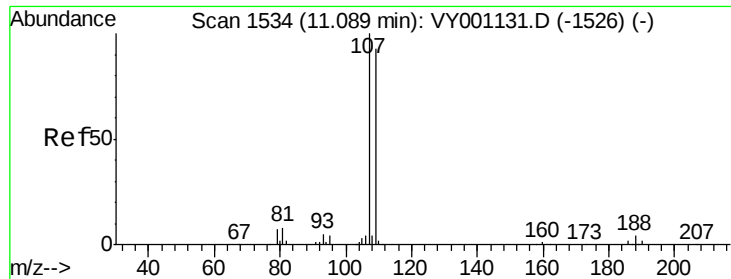
apatel
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#60
Dibromochloromethane
Concen: 20.750 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.5	115.5





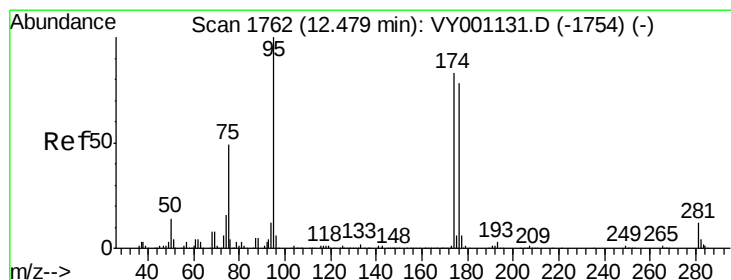
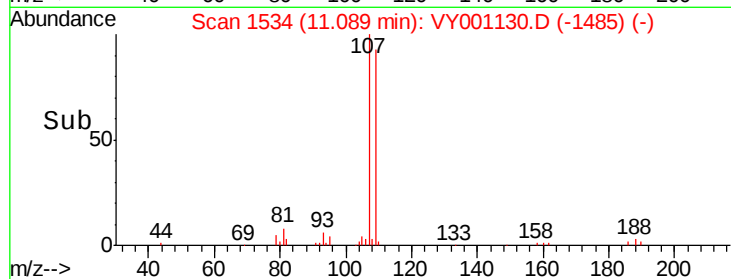
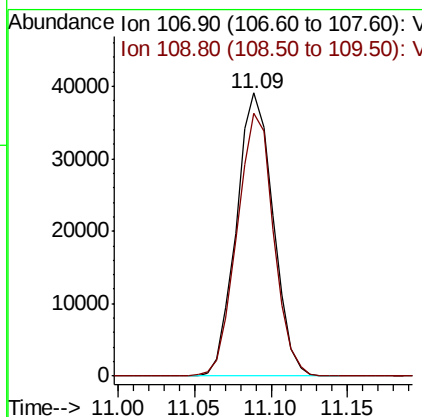
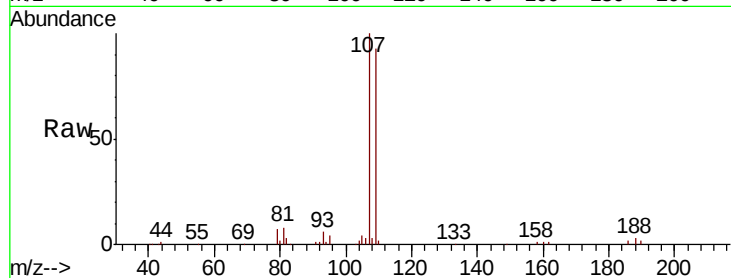
#61
 1,2-Dibromoethane
 Concen: 20.210 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.2

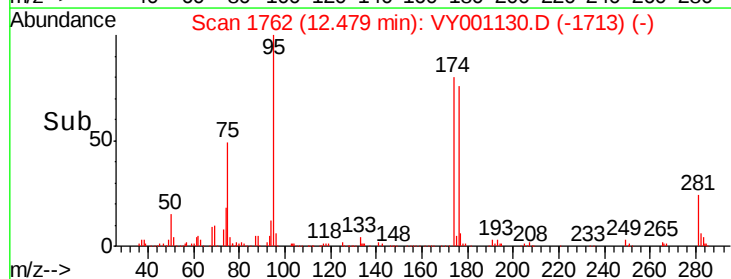
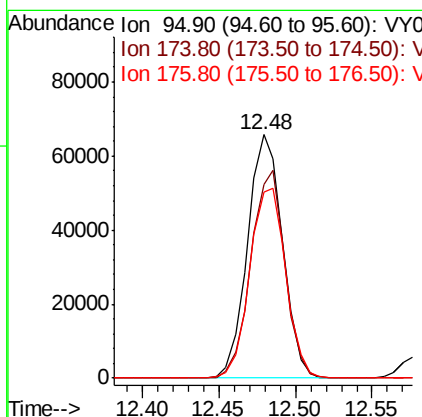
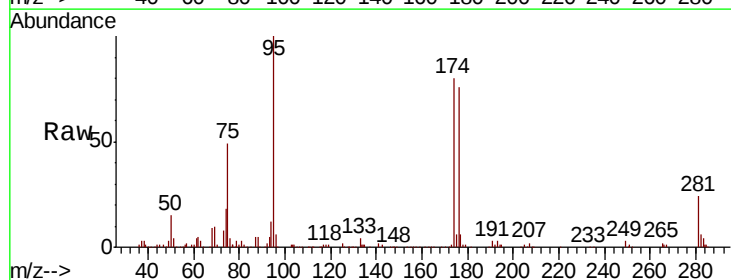
Manual Integrations
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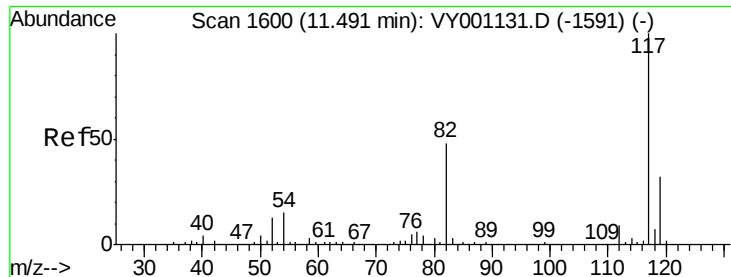
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.653 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	171.8
176	80.3	0.0	163.6





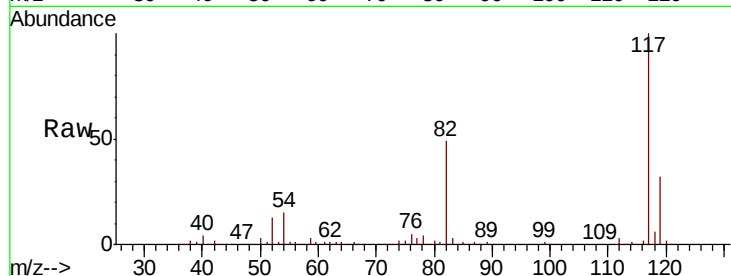
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	38.5	57.7
119	32.4	25.9	38.9

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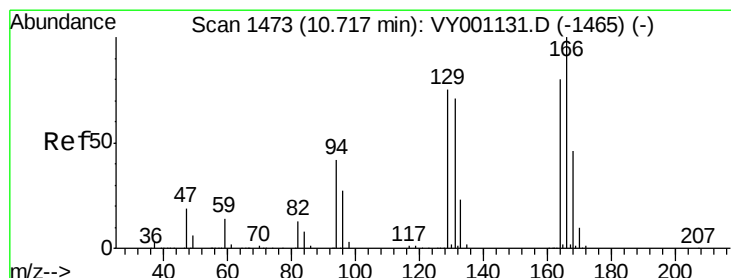
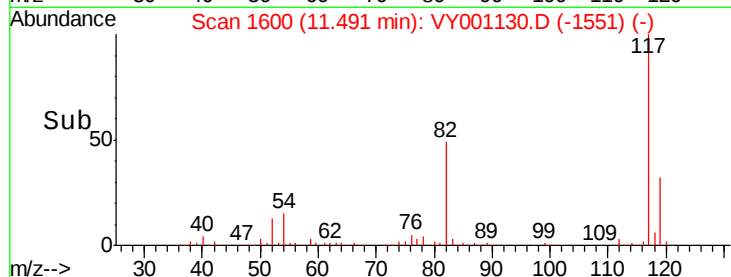
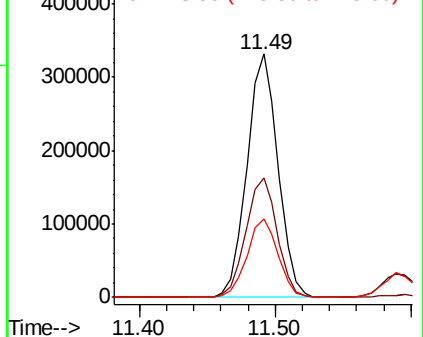


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.046 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	100.6	151.0
129	82.5	75.0	112.4
131	87.7	71.7	107.5

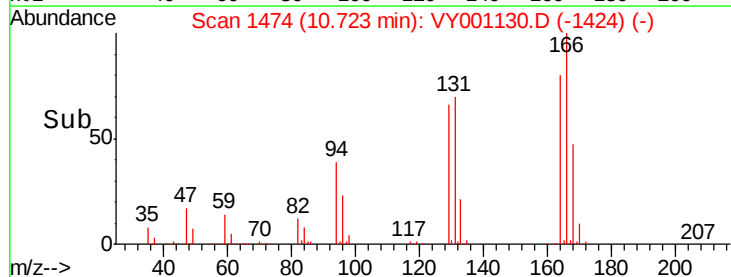
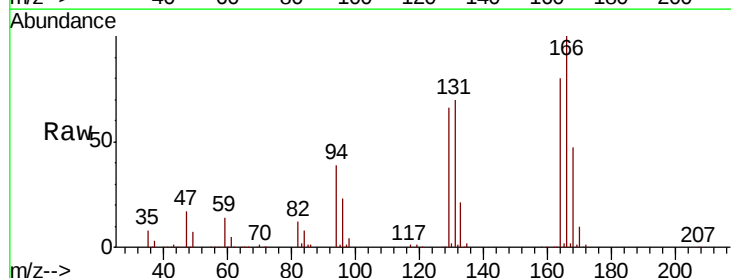
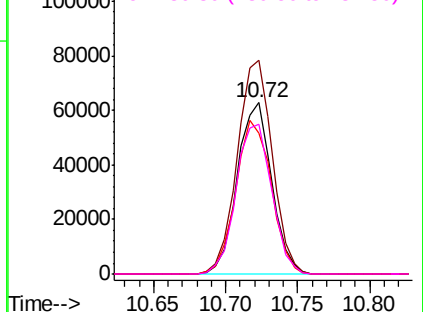
Abundance

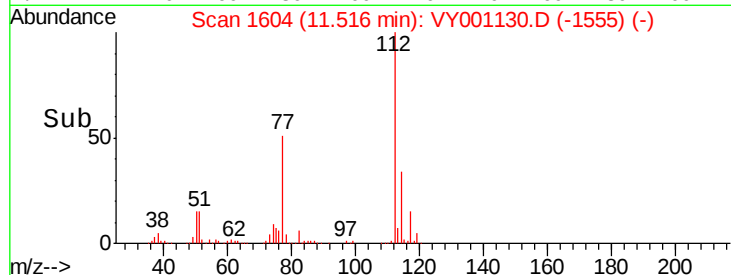
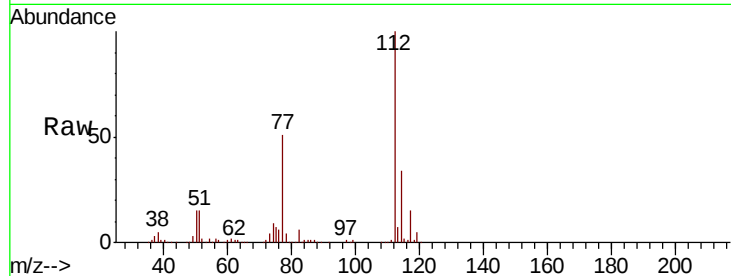
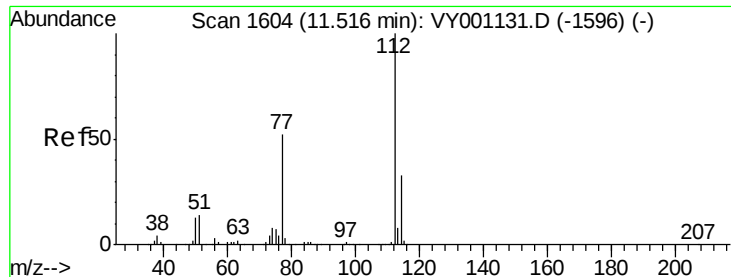
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





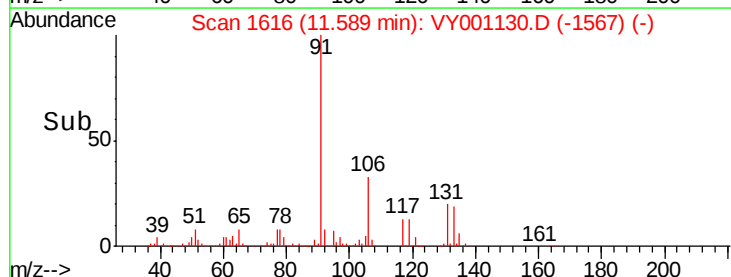
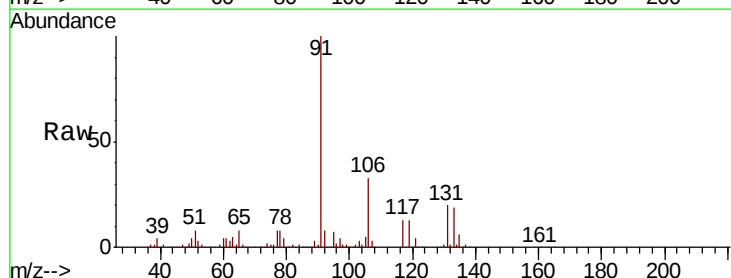
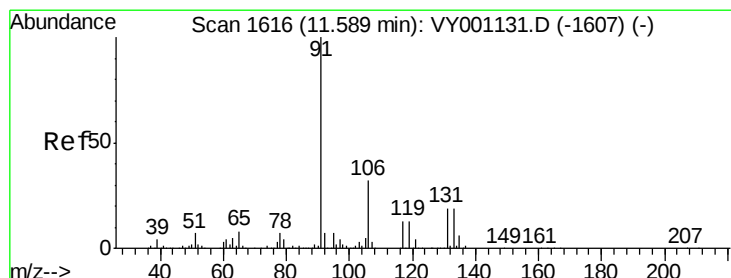
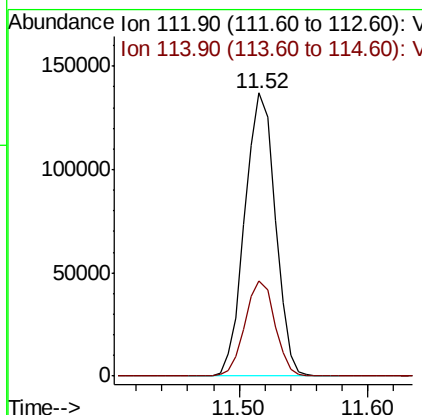
#65
Chlorobenzene
Concen: 20.098 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tot Ion	Ratio	Resp	Lower	Upper
112	100	223918		
114	33.8	26.5	39.7	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

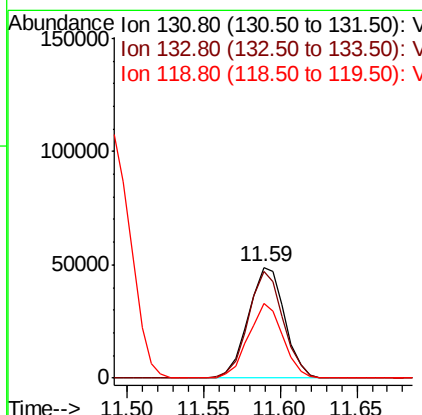
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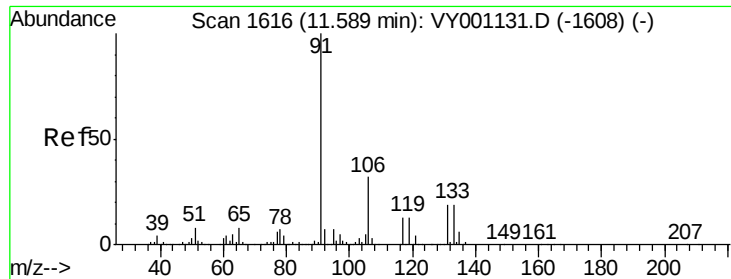
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.696 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	80344		
133	93.1	47.3	141.8	
119	64.5	33.1	99.3	





#67

Ethyl Benzene

Concen: 20.013 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 398742

Ion Ratio Lower Upper

91 100

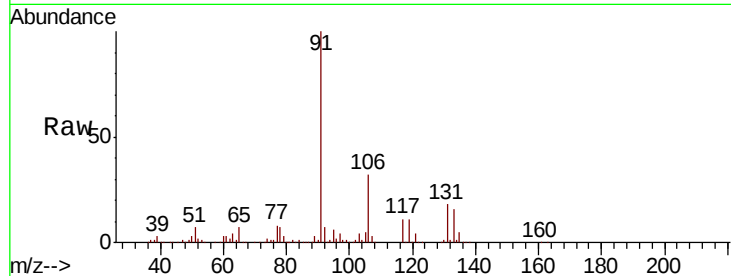
106 32.3 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001131.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY001131.D (-1608) (-)

11.59

250000

200000

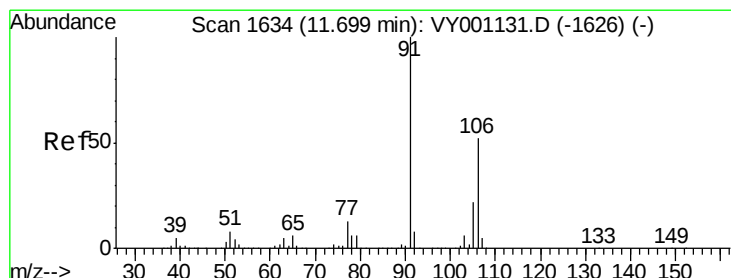
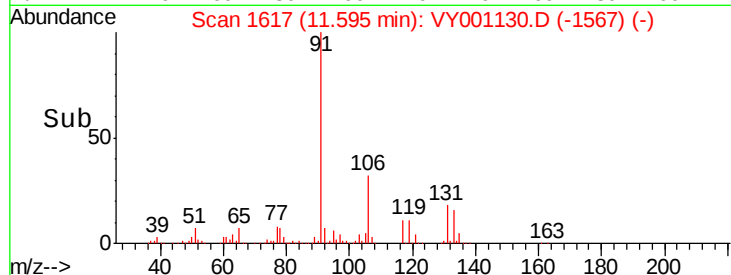
150000

100000

50000

0

Time--> 11.50 11.55 11.60 11.65



#68

m/p-Xylenes

Concen: 41.615 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY001130.D

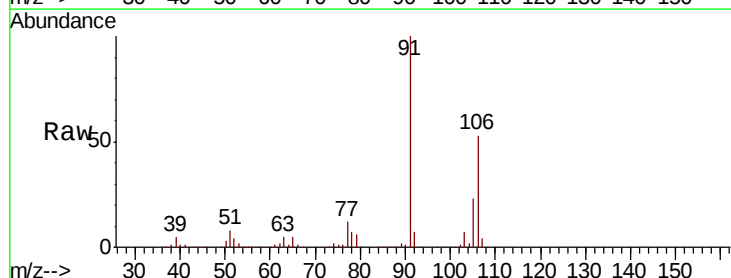
Acq: 02 Jan 2020 11:25

Tgt Ion: 106 Resp: 316238

Ion Ratio Lower Upper

106 100

91 192.5 154.3 231.5



Abundance Ion 106.00 (105.70 to 106.70): VY001131.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY001131.D (-1626) (-)

11.70

400000

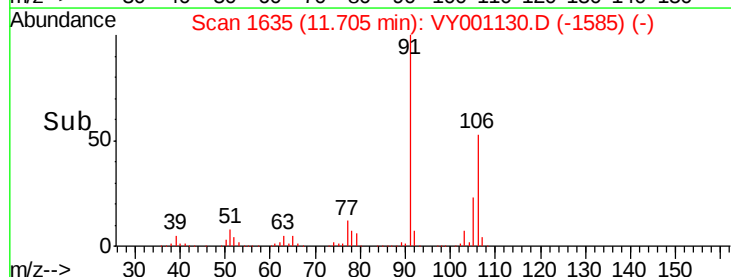
300000

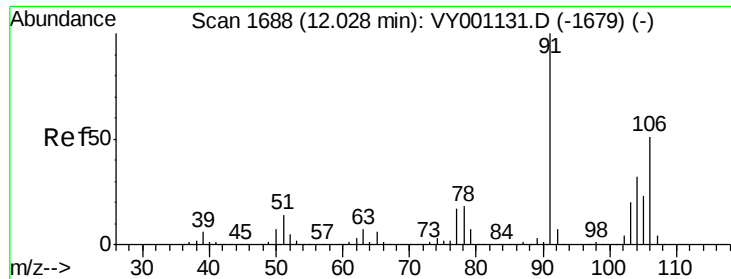
200000

100000

0

Time--> 11.60 11.70 11.80





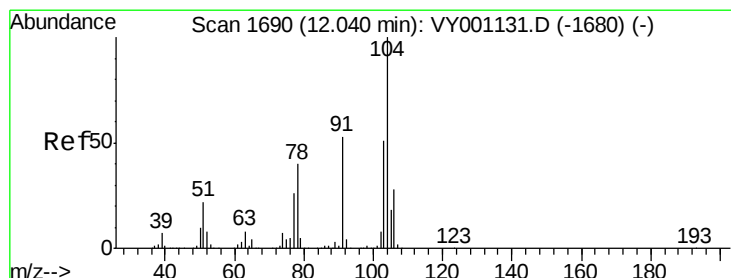
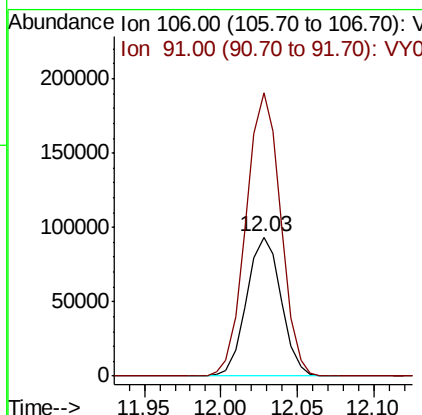
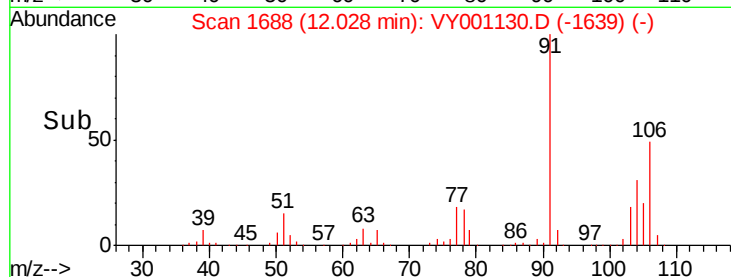
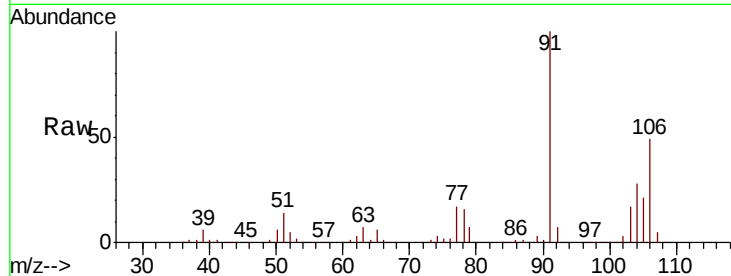
#69
o-Xylene
Concen: 20.490 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 146466
Ion Ratio Lower Upper
106 100
91 205.6 100.8 302.4

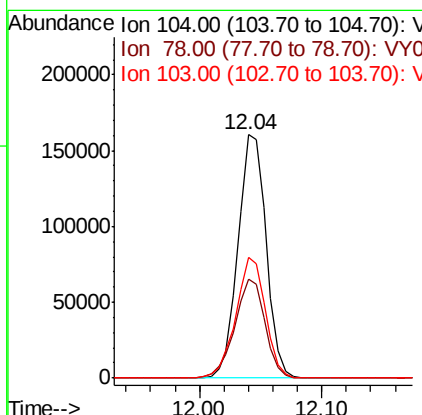
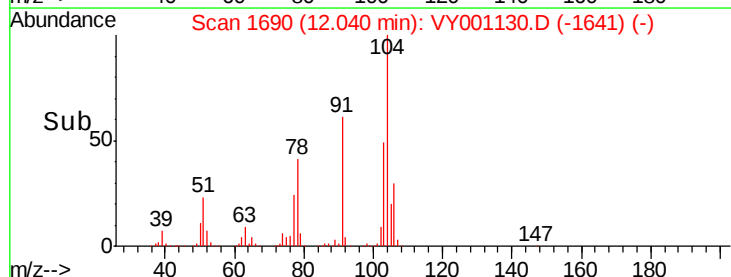
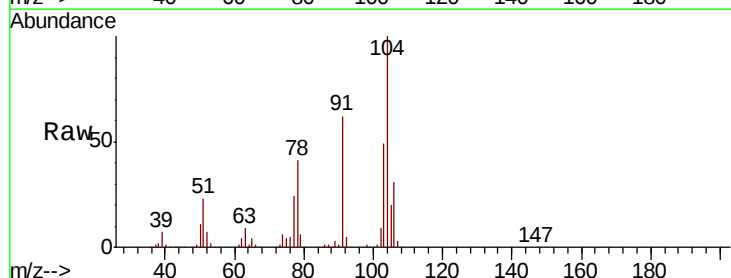
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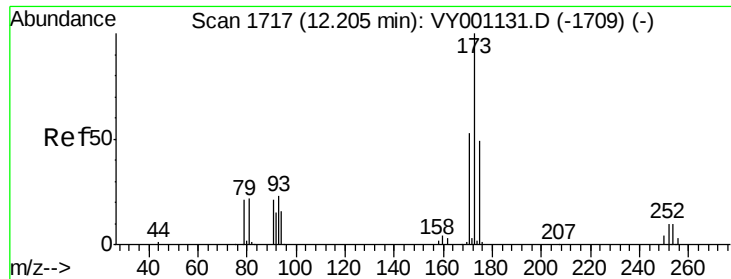
apatel
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#70
Styrene
Concen: 20.942 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion:104 Resp: 254591
Ion Ratio Lower Upper
104 100
78 43.6 34.7 52.1
103 52.0 42.6 64.0





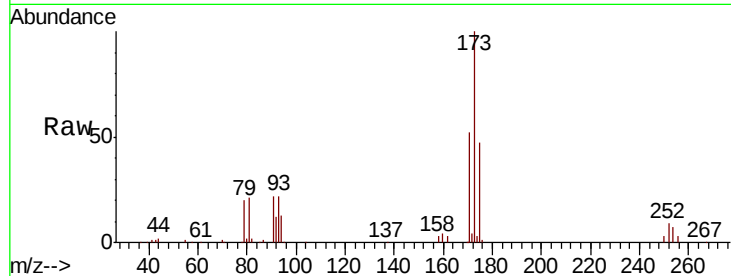
#71
Bromoform
Concen: 22.743 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

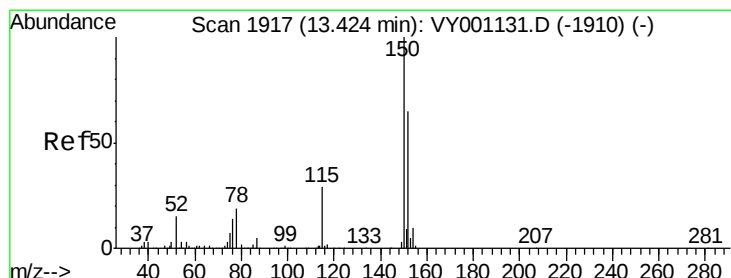
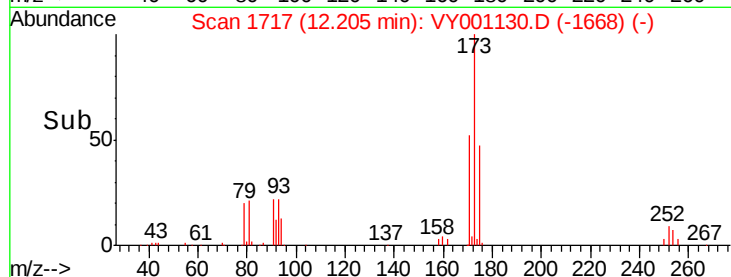
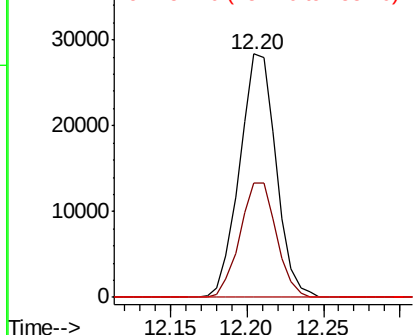
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.4	73.2
254	0.0	0.1	0.1#

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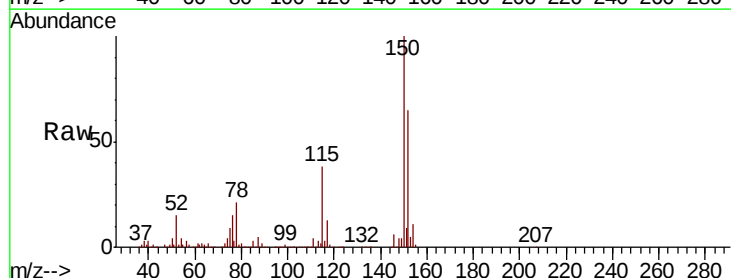


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

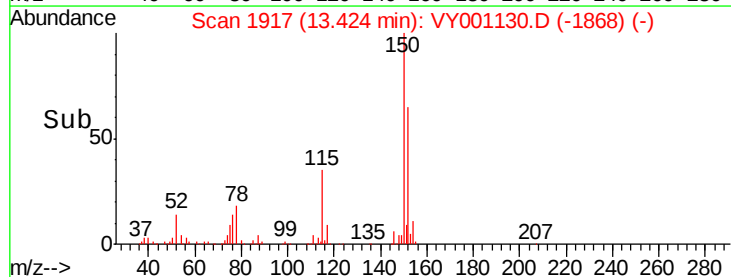
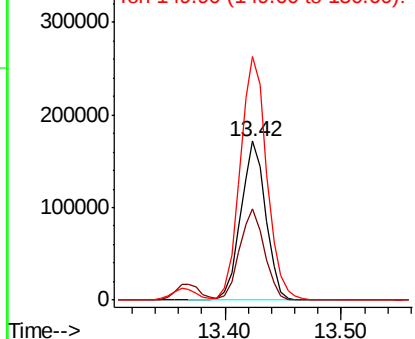


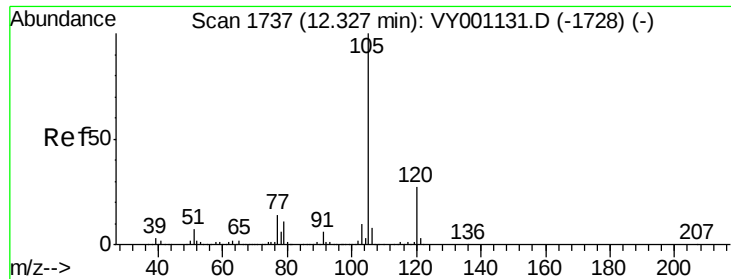
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.7	83.0
150	164.2	0.0	342.6



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: 19.447 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 387738

Ion Ratio Lower Upper

105 100

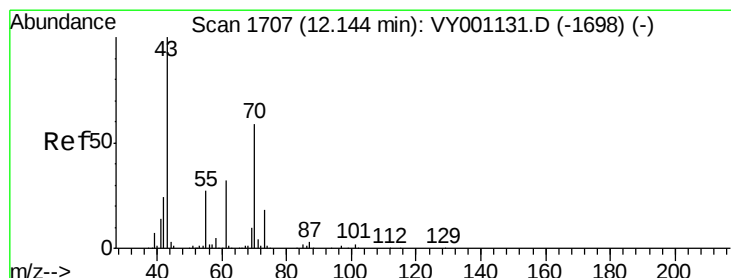
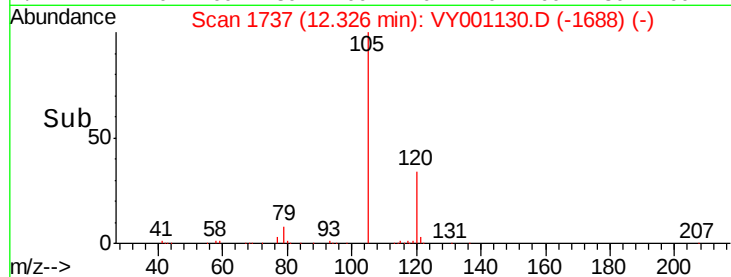
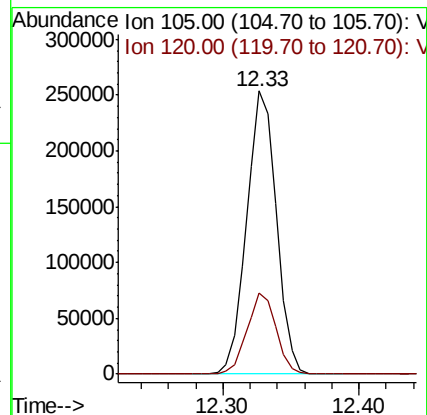
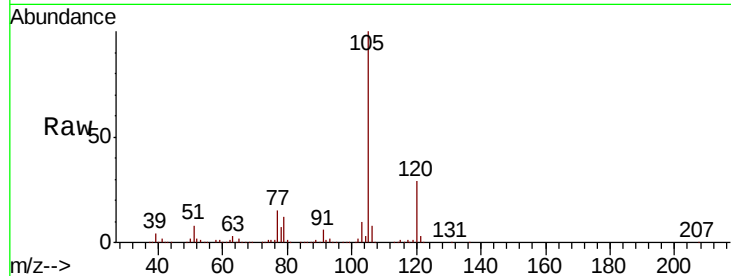
120 27.8 13.9 41.7

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#74

N-ethyl acetate

Concen: 14.918 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion: 43 Resp: 74304

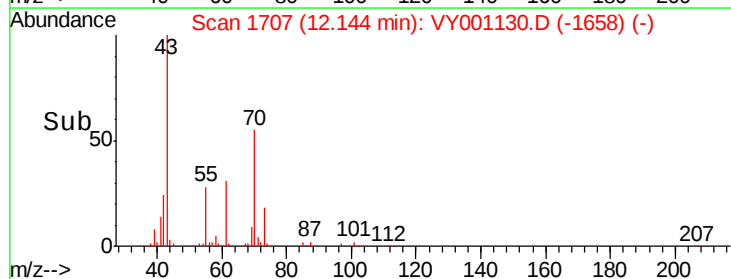
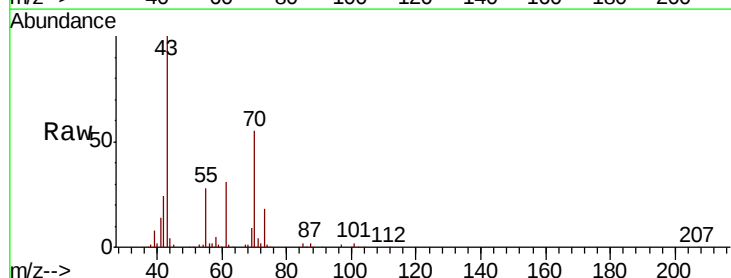
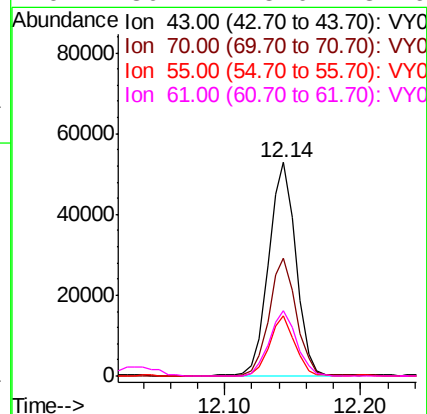
Ion Ratio Lower Upper

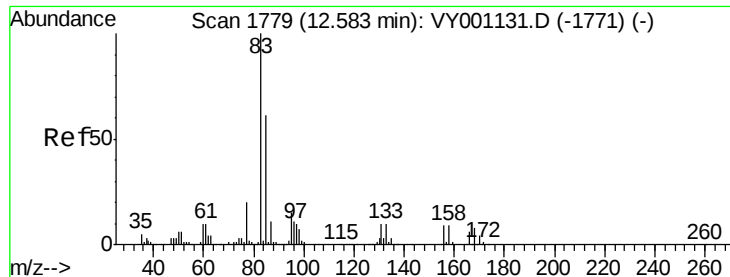
43 100

70 55.3 46.2 69.4

55 26.5 21.3 31.9

61 30.7 25.0 37.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.582 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

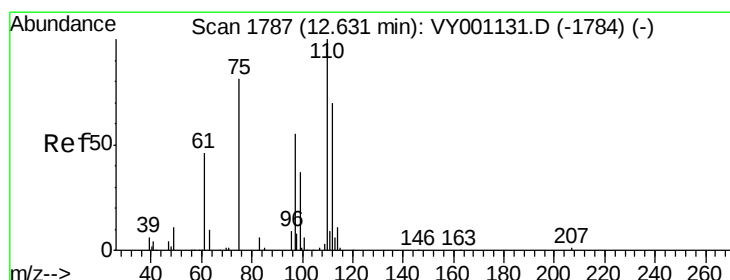
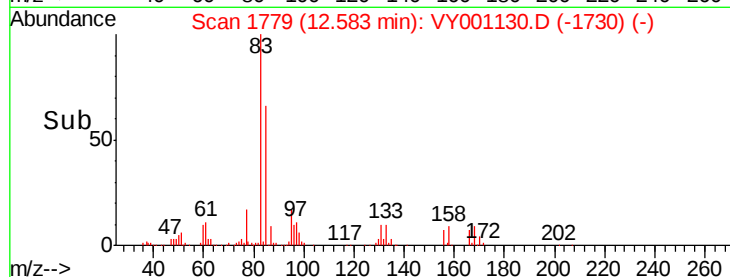
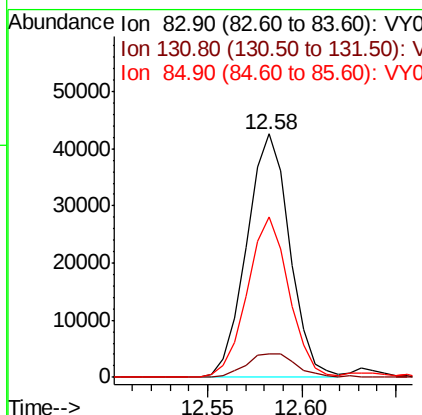
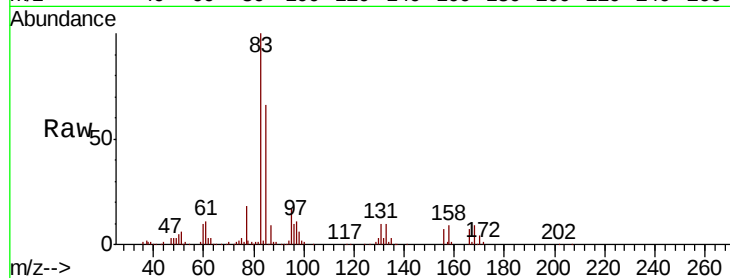
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	67450
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.7
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.866 ug/l m

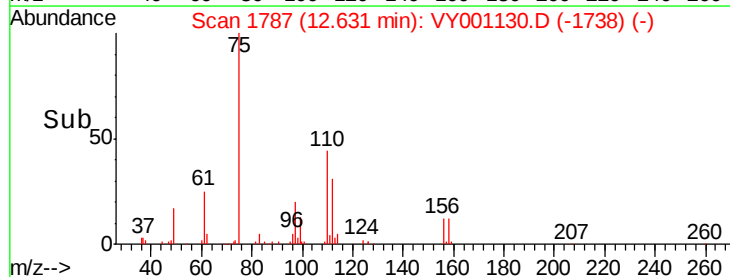
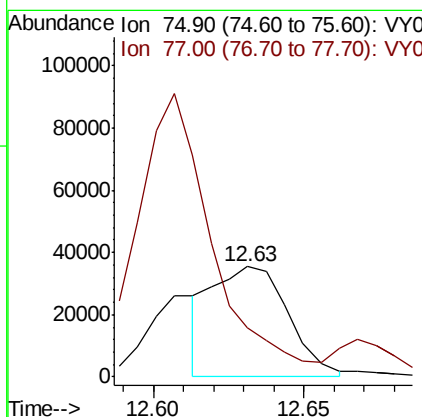
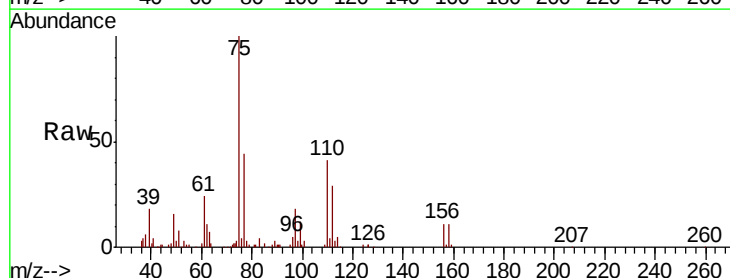
RT: 12.63 min Scan# 1787

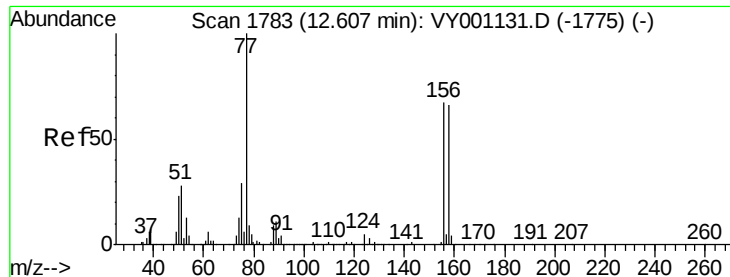
Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	75	Resp:	62296
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.579 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 92968

Ion Ratio Lower Upper

156 100

77 171.7 85.9 257.7

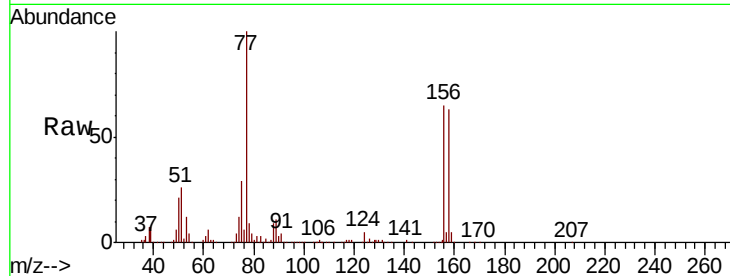
158 98.1 49.7 149.1

Manual Integrations

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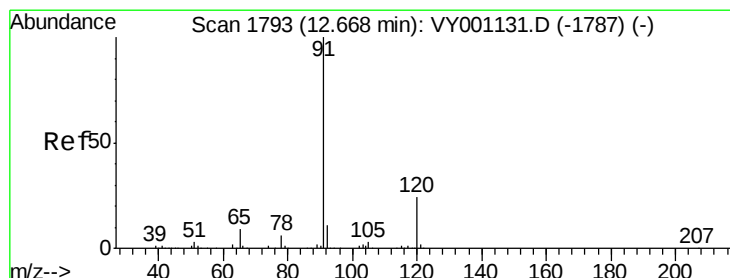
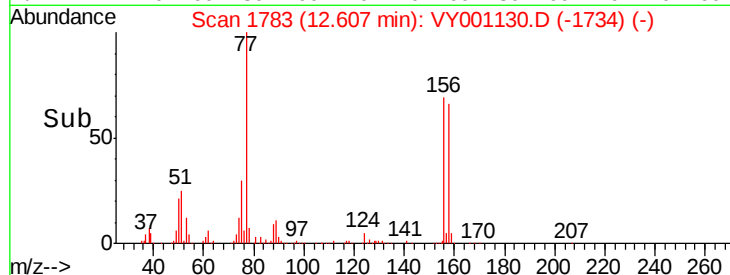
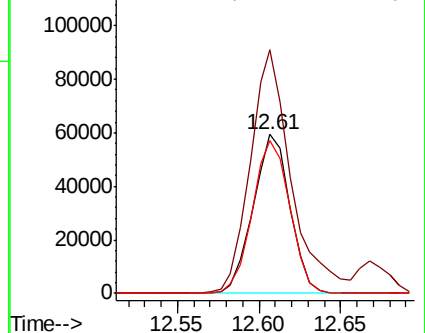
1/3/2020 11:12:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.966 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001130.D

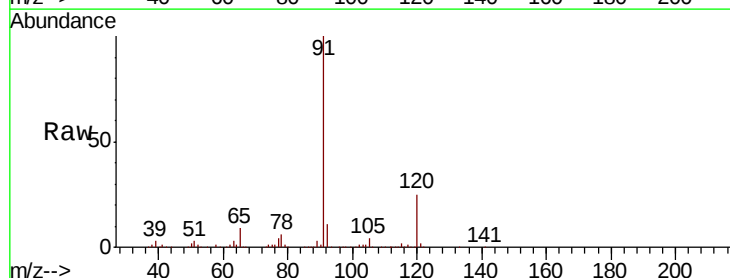
Acq: 02 Jan 2020 11:25

Tgt Ion: 91 Resp: 459132

Ion Ratio Lower Upper

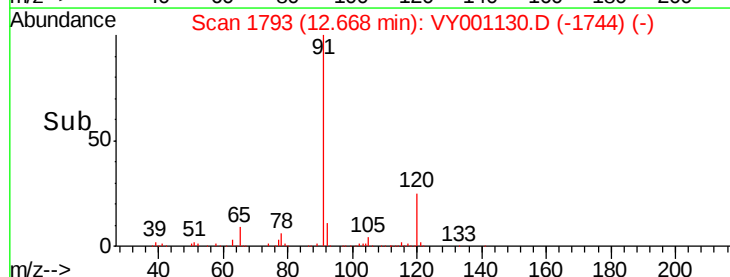
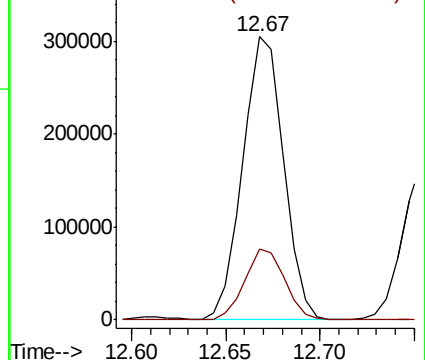
91 100

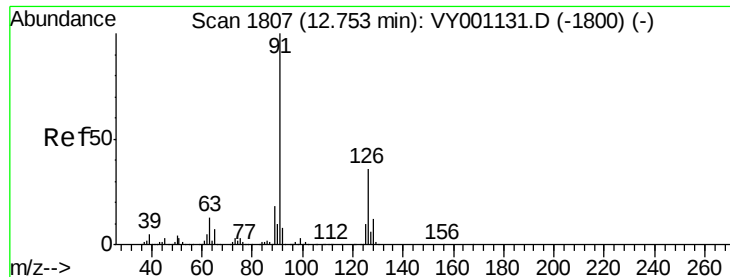
120 24.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.027 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 253799

Ion Ratio Lower Upper

91 100

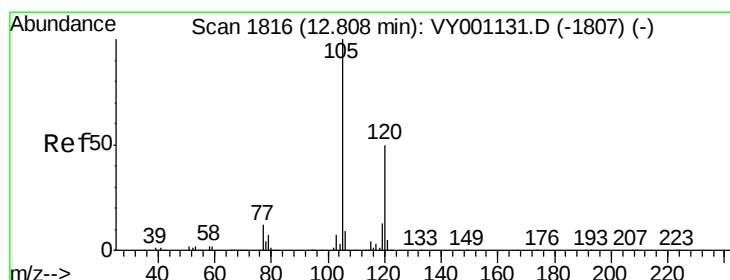
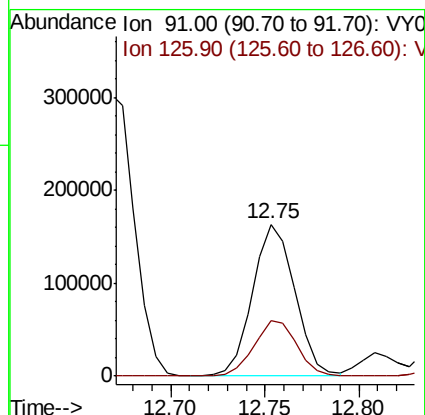
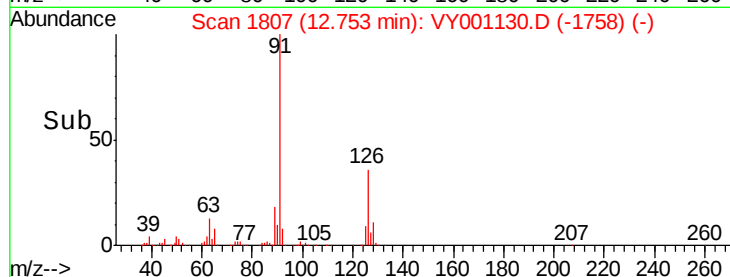
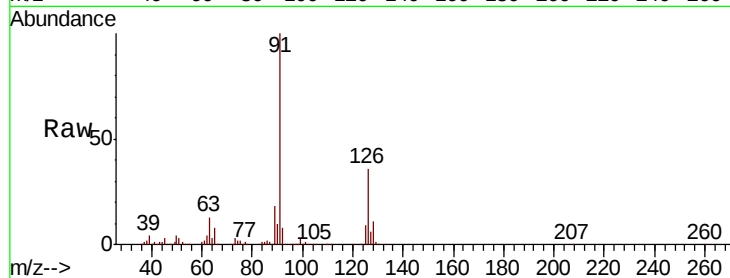
126 36.9 18.3 54.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.947 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001130.D

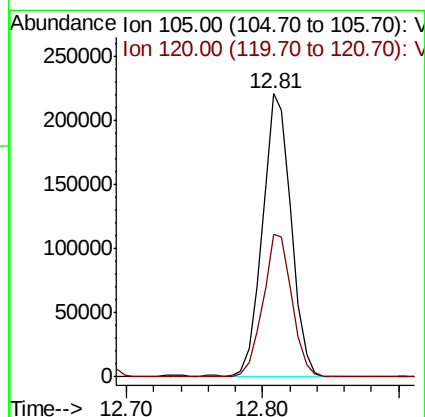
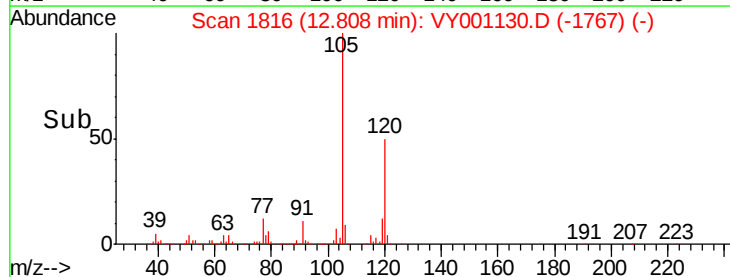
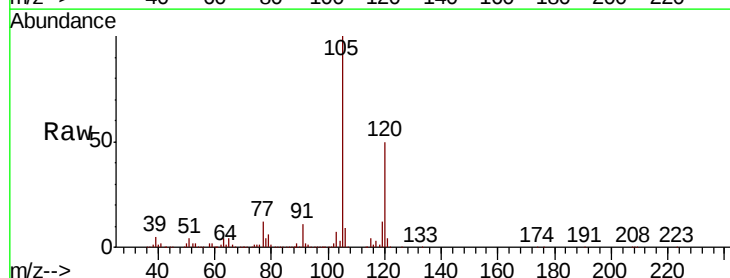
Acq: 02 Jan 2020 11:25

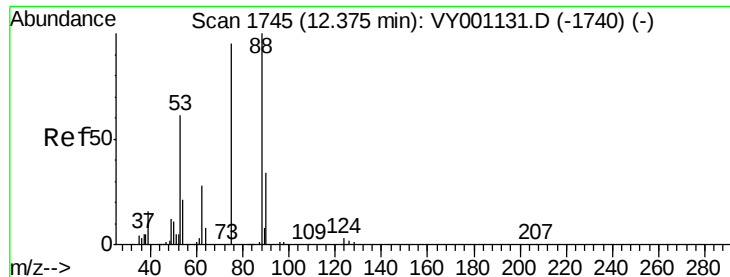
Tgt Ion: 105 Resp: 326604

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.449 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Instrument :

MSVOA_Y

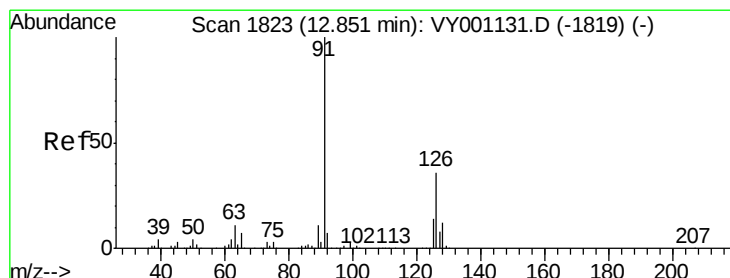
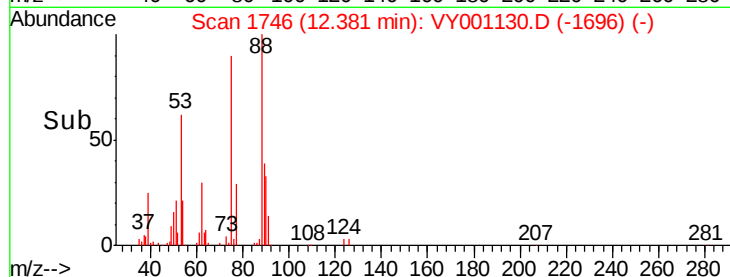
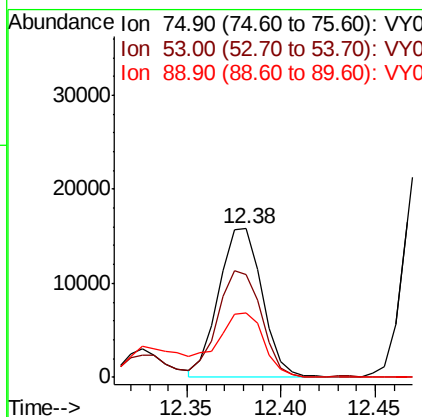
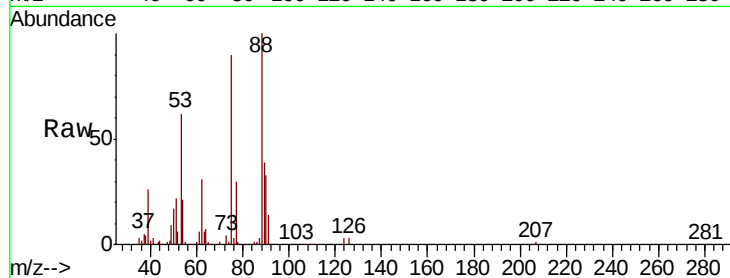
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	25412
Ion	Ratio	Lower	Upper
75	100		
53	71.1	55.6	83.4
89	47.7	34.7	52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.090 ug/l

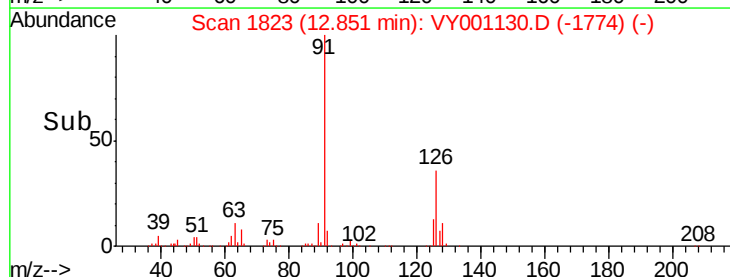
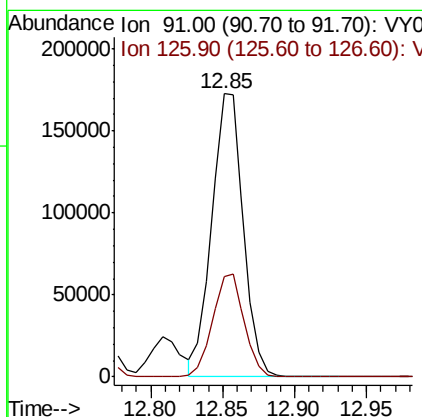
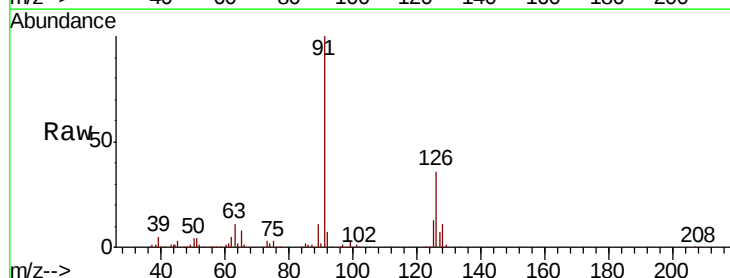
RT: 12.85 min Scan# 1823

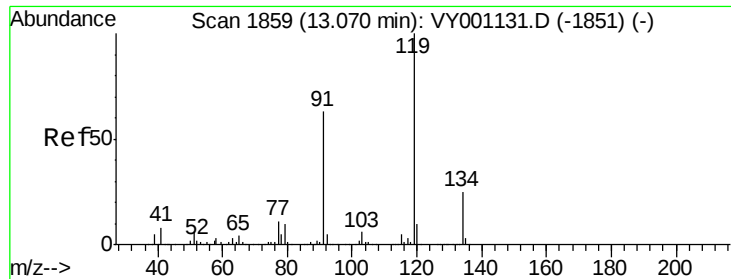
Delta R.T. -0.00 min

Lab File: VY001130.D

Acq: 02 Jan 2020 11:25

Tgt Ion:	91	Resp:	263502
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.6	56.0





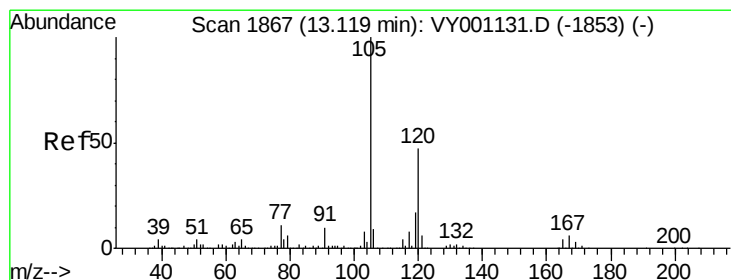
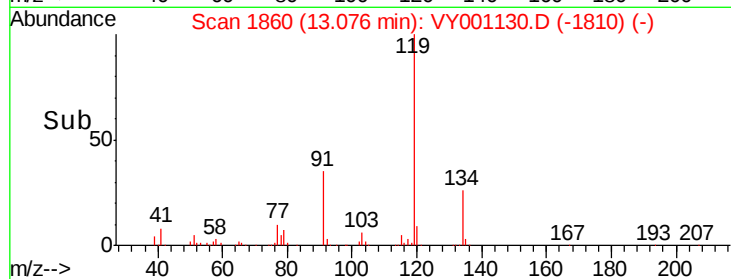
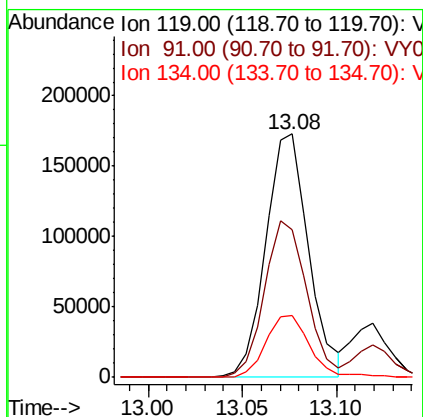
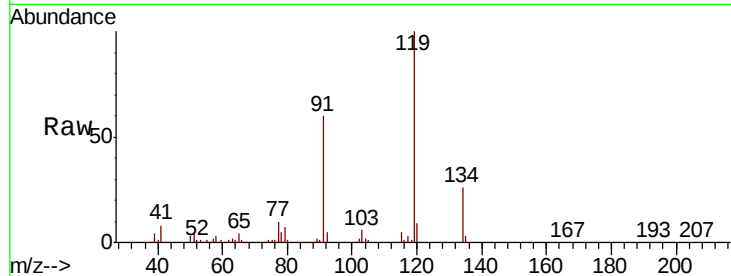
#83
tert-Butylbenzene
Concen: 19.665 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	30.9	92.7
134	26.6	13.2	39.5

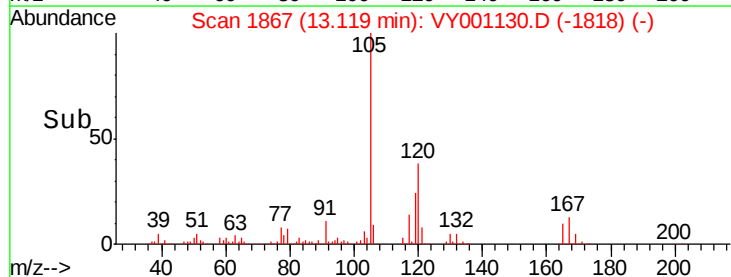
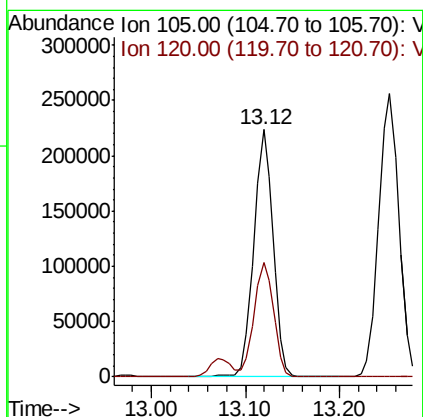
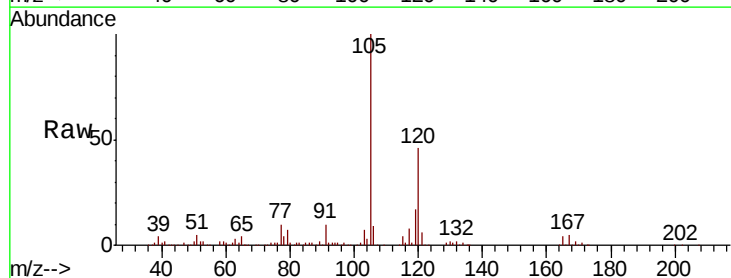
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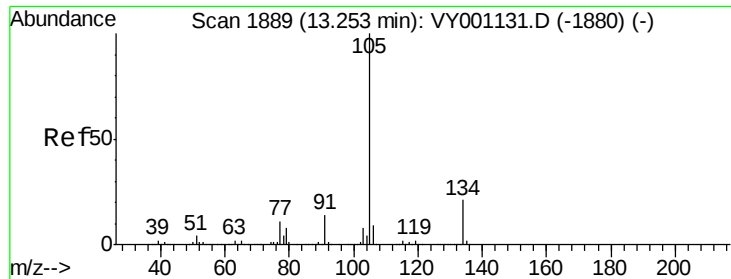
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 19.503 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.0	72.0





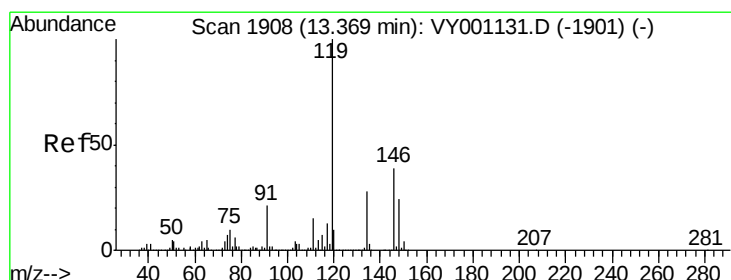
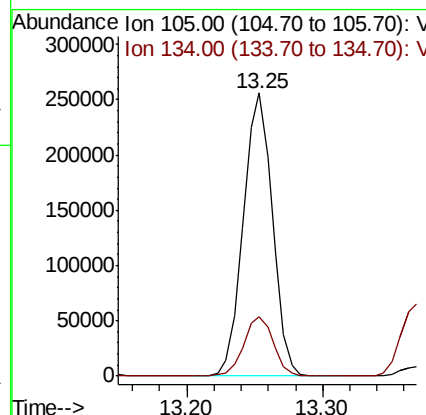
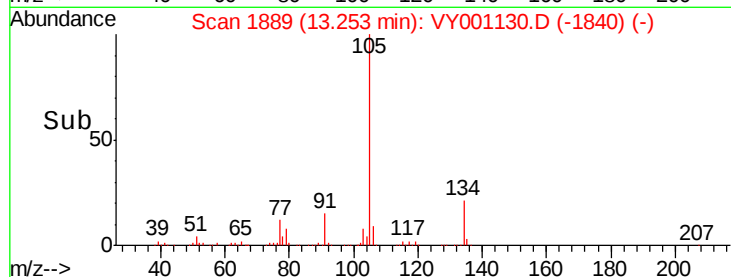
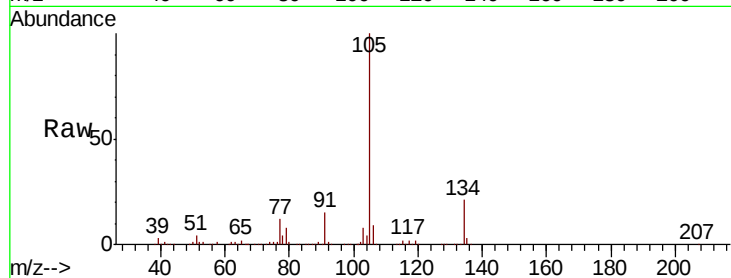
#85
 sec-Butylbenzene
 Concen: 18.896 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.2	30.6

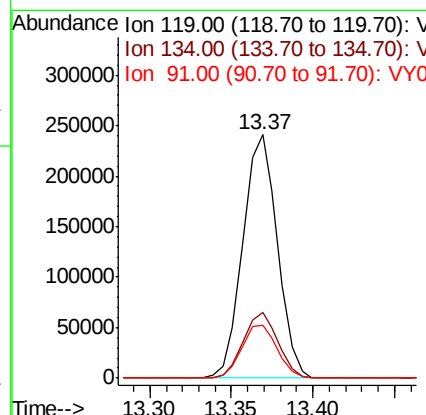
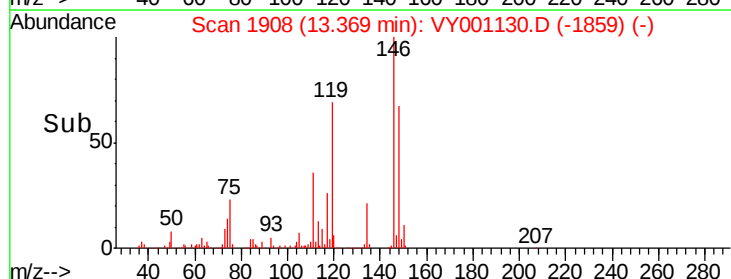
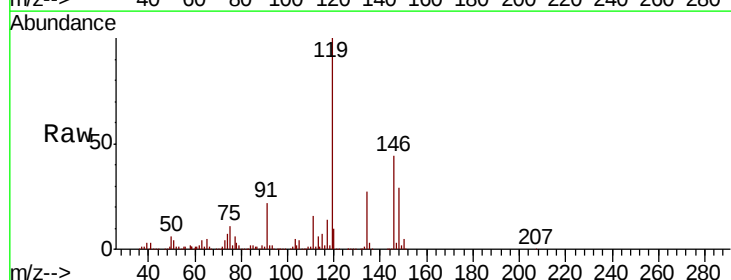
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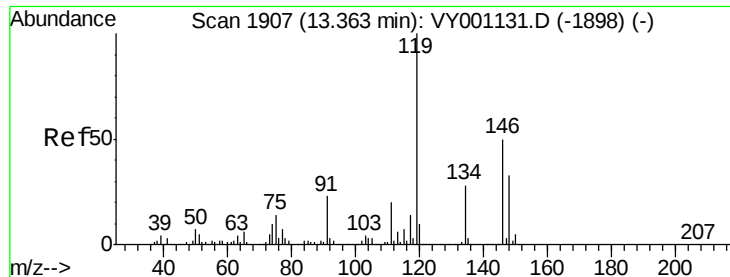
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#86
 p-Isopropyltoluene
 Concen: 20.244 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.8	41.3
91	22.1	11.1	33.1





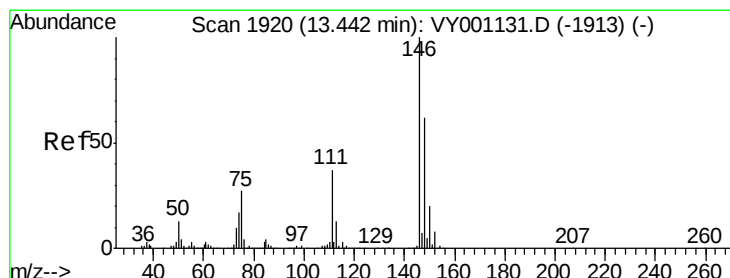
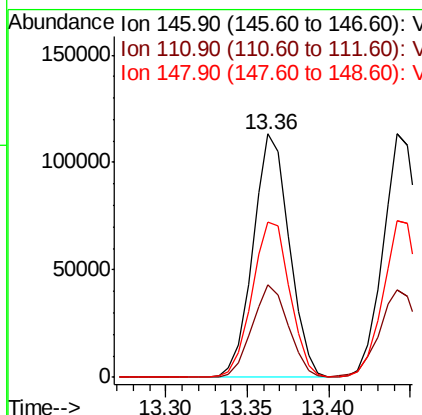
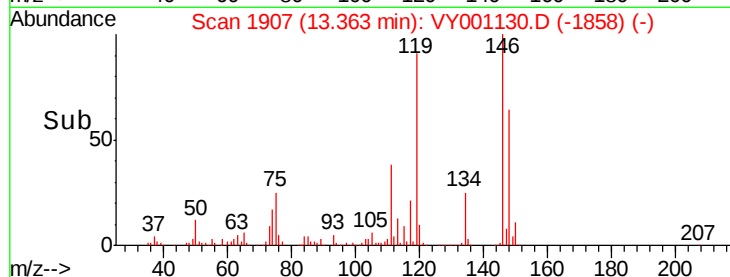
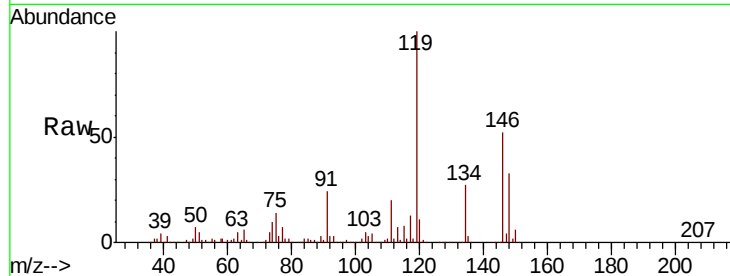
#87
 1,3-Dichlorobenzene
 Concen: 20.276 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.5	58.5
148	66.0	31.9	95.7

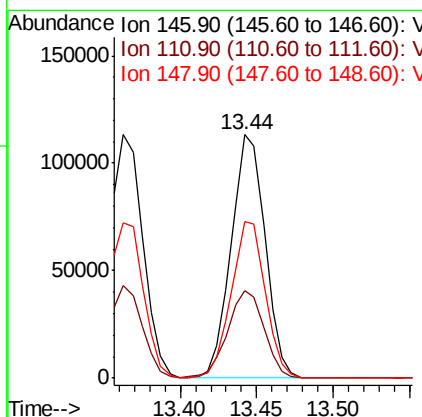
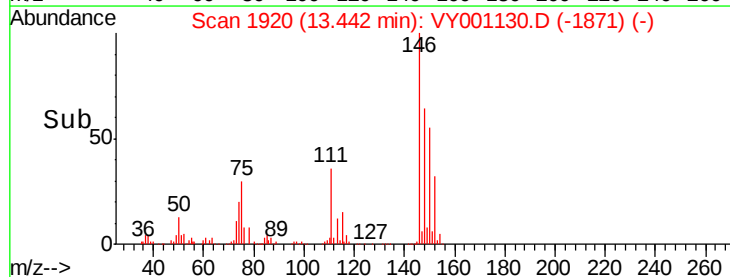
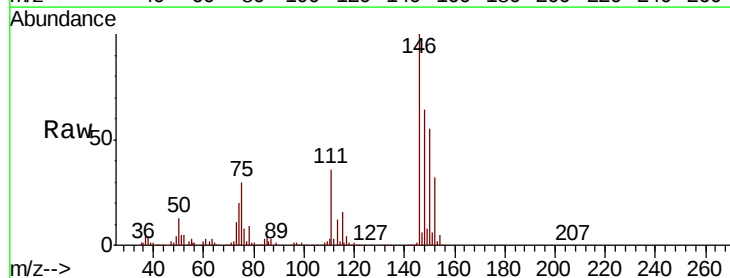
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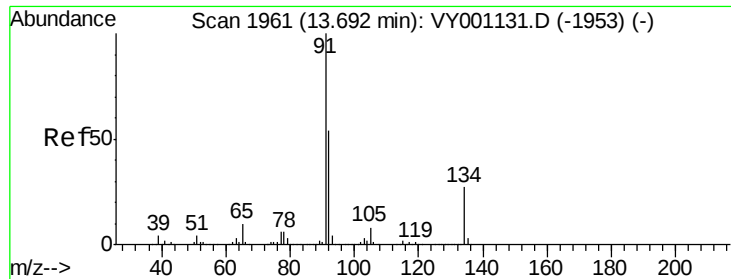
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#88
 1,4-Dichlorobenzene
 Concen: 20.111 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	64.3	32.0	96.0





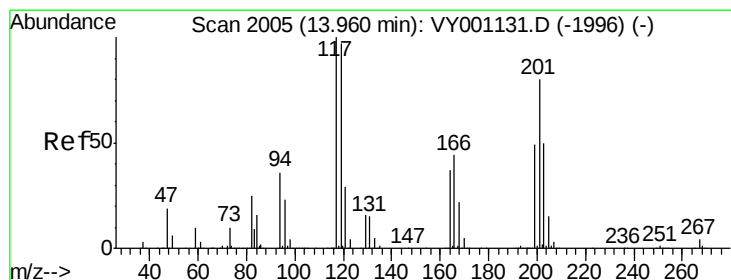
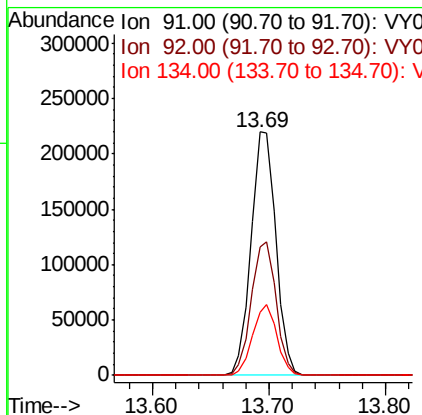
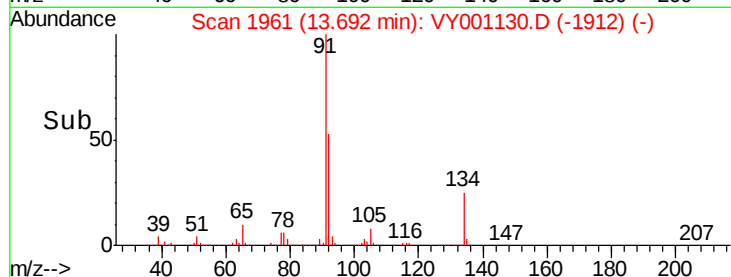
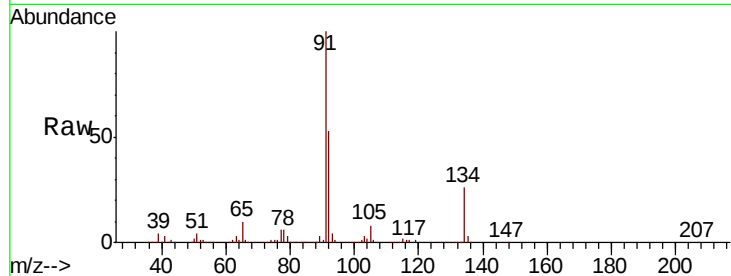
#89
n-Butylbenzene
Concen: 18.822 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	27.2	81.5	
134	28.4	14.1	42.4	

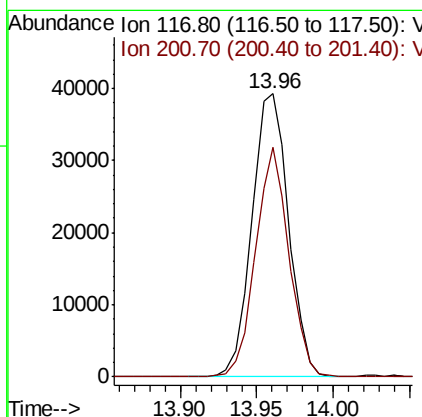
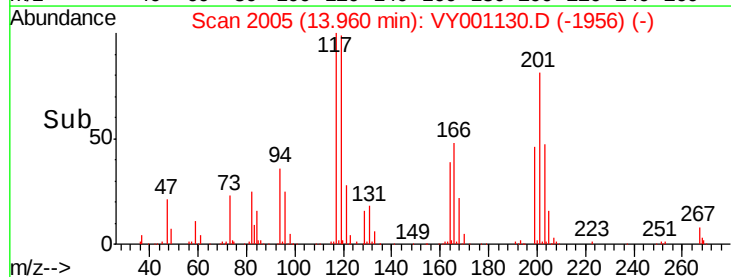
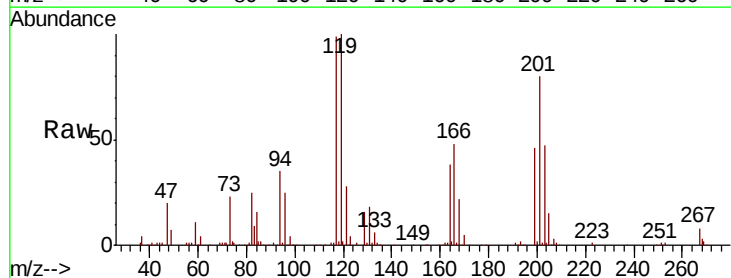
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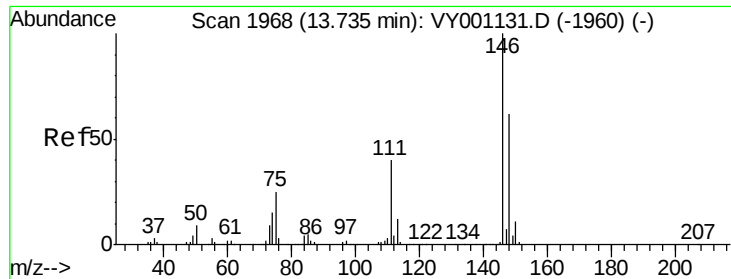
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#90
Hexachloroethane
Concen: 19.901 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.9	38.0	114.0	





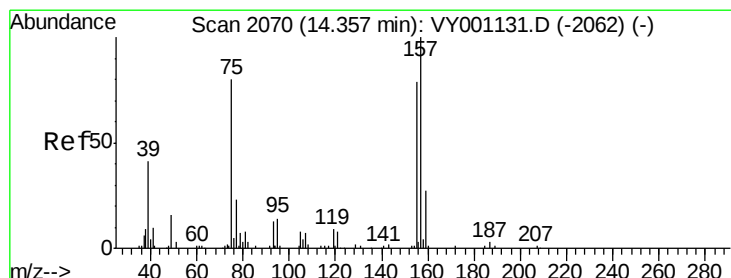
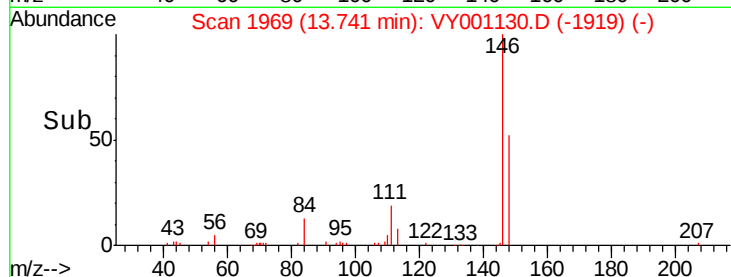
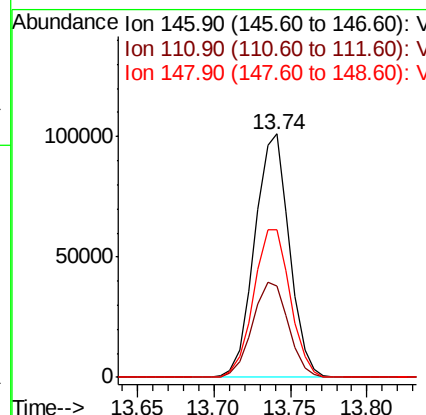
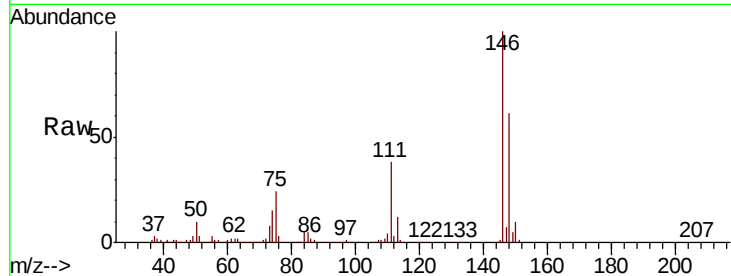
#91
 1,2-Dichlorobenzene
 Concen: 20.057 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159500		
111	40.9	20.1	60.3	
148	63.8	31.9	95.5	

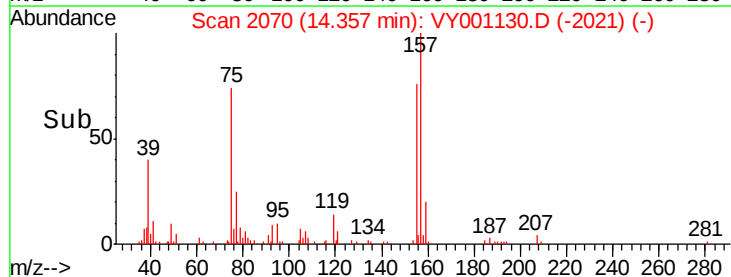
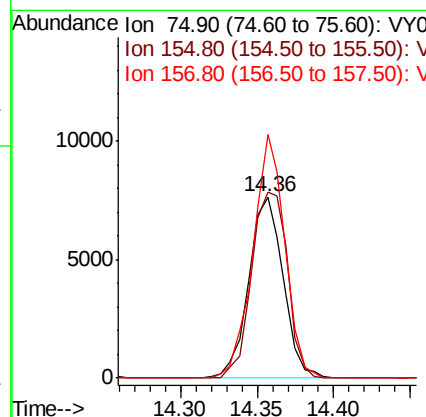
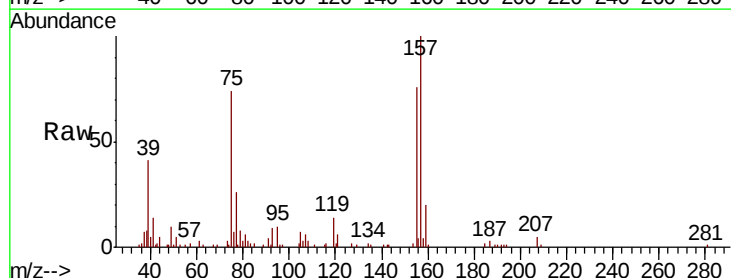
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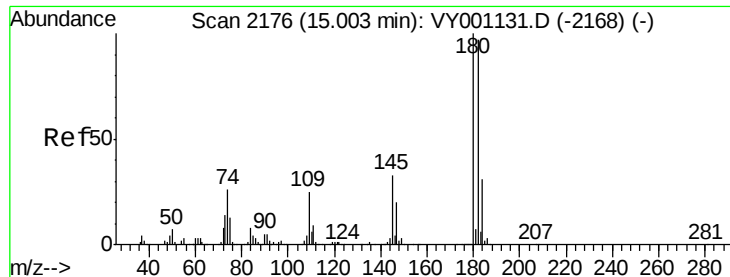
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.661 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11923		
155	107.5	50.4	151.3	
157	124.8	64.0	192.0	





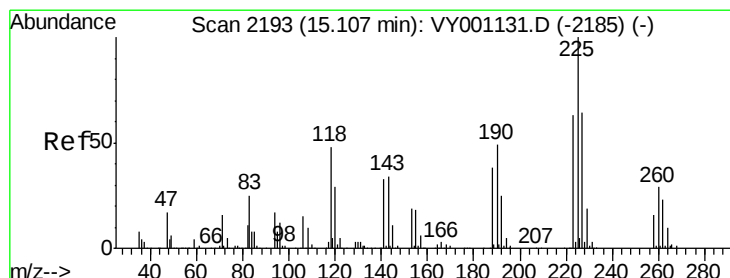
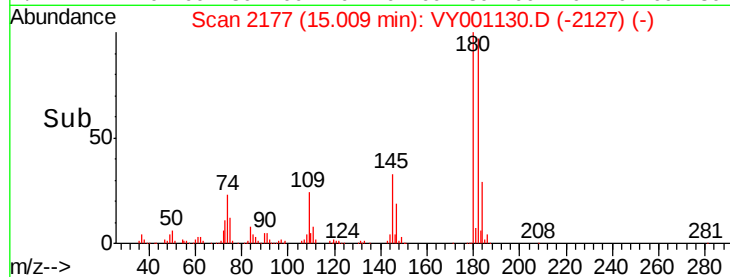
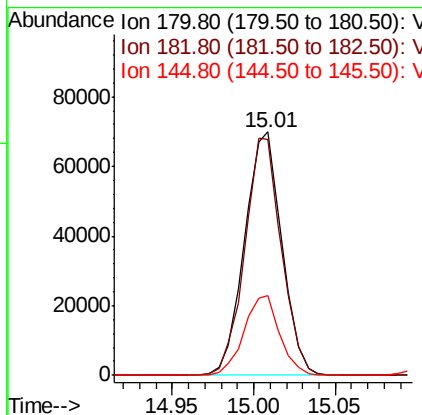
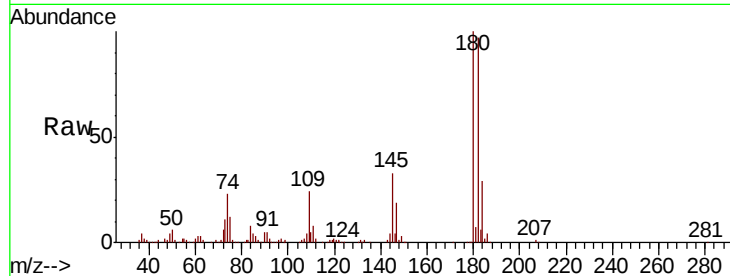
#93
 1,2,4-Trichlorobenzene
 Concen: 20.615 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110842		
182	96.3	48.6	145.8	
145	31.5	16.1	48.3	

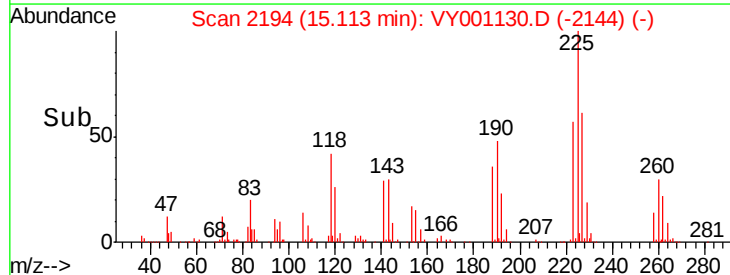
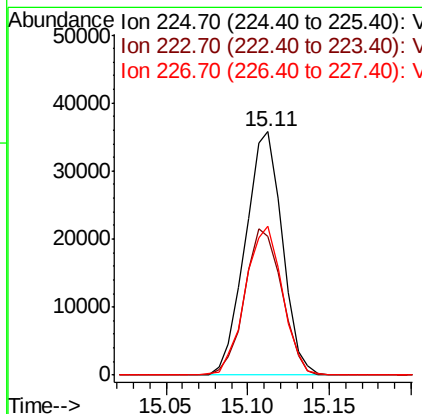
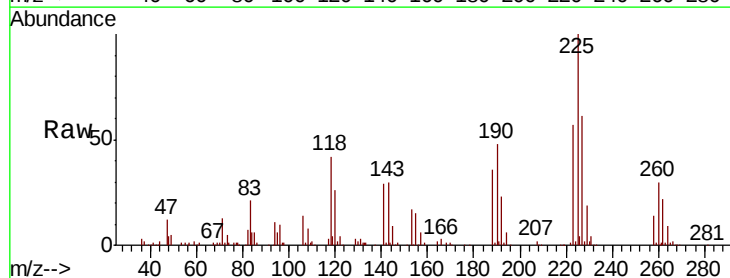
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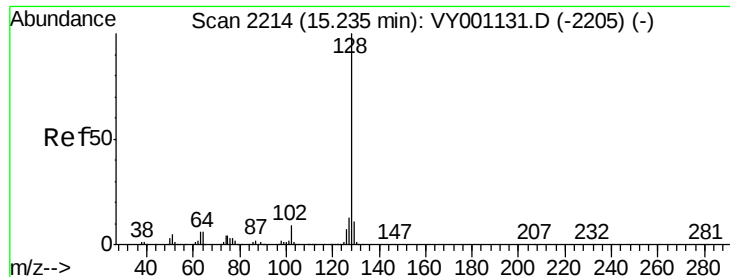
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#94
 Hexachlorobutadiene
 Concen: 21.872 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY001130.D
 Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56659		
223	60.6	31.8	95.3	
227	61.6	32.6	97.7	





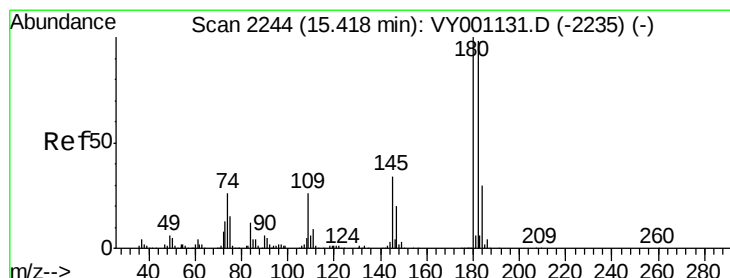
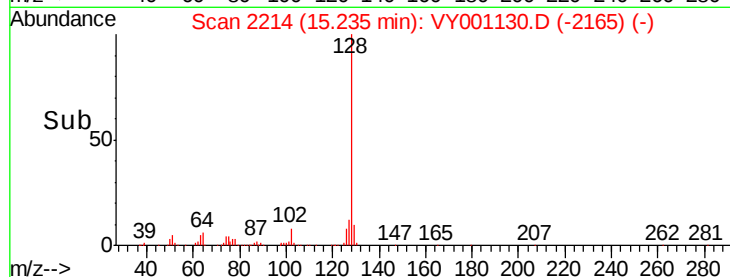
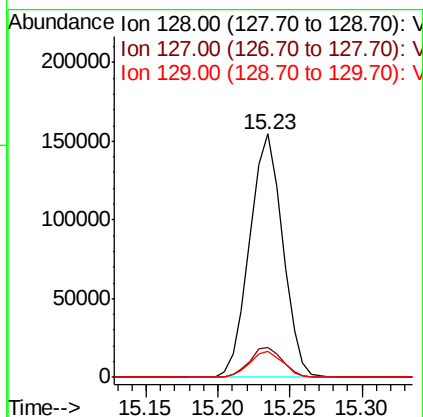
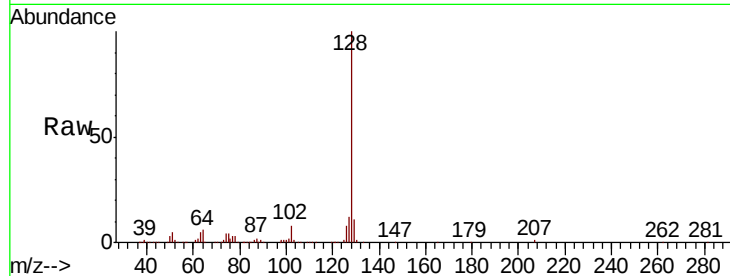
#95
Naphthalene
Concen: 19.616 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	245475		
127	12.5		10.1	15.1
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.546 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001130.D
Acq: 02 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98512		
182	94.6		47.8	143.3
145	33.2		16.5	49.5

