

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064710.D
 Acq On : 02 Jan 2020 11:42
 Operator : VA/SY
 Sample : VD0102SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Manual Integrations
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 1/3/2020 11:10:16 AM

Quant Time: Jan 03 00:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	611428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204386	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.91	113	208014	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
50) Toluene-d8	10.34	98	792102	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.64	95	253089	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	71832	21.659	ug/l	98
3) Chloromethane	2.21	50	103608	22.337	ug/l	99
4) Vinyl Chloride	2.35	62	123784	21.888	ug/l	98
5) Bromomethane	2.76	94	90052	21.900	ug/l	88
6) Chloroethane	2.92	64	82052	21.653	ug/l	97
7) Trichlorofluoromethane	3.27	101	212618	22.328	ug/l	96
8) Diethyl Ether	3.71	74	40903	21.631	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	88684	22.488	ug/l	99
10) Methyl Iodide	4.29	142	90519	21.369	ug/l	98
11) Tert butyl alcohol	5.24	59	20909	96.952	ug/l	96
12) 1,1-Dichloroethene	4.06	96	84755	22.574	ug/l	99
13) Acrolein	3.92	56	26754	89.014	ug/l	97
14) Allyl chloride	4.71	41	131126	22.400	ug/l	98
15) Acrylonitrile	5.43	53	82342	104.543	ug/l	98
16) Acetone	4.16	43	83893	101.207	ug/l	95
17) Carbon Disulfide	4.40	76	260987	21.498	ug/l	97
18) Methyl Acetate	4.72	43	43596	20.578	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	172227	20.652	ug/l	99
20) Methylene Chloride	4.96	84	95574	22.107	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	92571	21.650	ug/l	99
22) Diisopropyl ether	6.37	45	257015	22.013	ug/l	99
23) Vinyl Acetate	6.31	43	704419	106.355	ug/l	100
24) 1,1-Dichloroethane	6.26	63	158035	22.546	ug/l	98
25) 2-Butanone	7.22	43	108086	104.494	ug/l	98
26) 2,2-Dichloropropane	7.20	77	145986	22.401	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	102395	22.189	ug/l	98
28) Bromochloromethane	7.55	49	50011	18.354	ug/l	97
29) Tetrahydrofuran	7.57	42	65260	101.453	ug/l	99
30) Chloroform	7.71	83	164480	22.366	ug/l	99
31) Cyclohexane	7.98	56	152912	21.794	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	156895	22.714	ug/l	98
36) 1,1-Dichloropropene	8.11	75	130629	22.197	ug/l	97
37) Ethyl Acetate	7.29	43	48811	21.113	ug/l	97
38) Carbon Tetrachloride	8.09	117	142406	22.694	ug/l	99

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Manual Integrations
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 1/3/2020 11:10:16 AM

Quant Time: Jan 03 00:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	163340	22.916	ug/l	99
40) Benzene	8.35	78	353628	22.012	ug/l	96
41) Methacrylonitrile	7.53	41	30817	22.974	ug/l	98
42) 1,2-Dichloroethane	8.43	62	101354	21.832	ug/l	100
43) Isopropyl Acetate	8.46	43	93484	20.315	ug/l	97
44) Trichloroethene	9.11	130	105043	22.257	ug/l	97
45) 1,2-Dichloropropane	9.38	63	85461	22.280	ug/l	97
46) Dibromomethane	9.47	93	46755	21.862	ug/l	98
47) Bromodichloromethane	9.66	83	125377	22.032	ug/l	94
48) Methyl methacrylate	9.46	41	44224	20.410	ug/l	87
49) 1,4-Dioxane	9.46	88	10204	413.796	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	232326	102.143	ug/l	100
52) Toluene	10.40	92	237081	22.493	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114959	21.668	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	141038	22.544	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	61791	21.439	ug/l	91
56) Ethyl methacrylate	10.66	69	75509	20.978	ug/l	99
57) 1,3-Dichloropropane	10.94	76	107177	21.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	149963	109.355	ug/l	98
59) 2-Hexanone	10.99	43	162987	105.578	ug/l	99
60) Dibromochloromethane	11.14	129	85873	21.546	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61702	21.706	ug/l	97
64) Tetrachloroethene	10.88	164	91932	22.175	ug/l	98
65) Chlorobenzene	11.67	112	249652	22.259	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	90965	21.514	ug/l	96
67) Ethyl Benzene	11.75	91	449677	22.089	ug/l	99
68) m/p-Xylenes	11.86	106	342302	43.564	ug/l	98
69) o-Xylene	12.18	106	156785	22.091	ug/l	98
70) Styrene	12.20	104	270070	21.679	ug/l	98
71) Bromoform	12.37	173	52144	21.626	ug/l #	96
73) Isopropylbenzene	12.48	105	432522	22.797	ug/l	100
74) N-amyl acetate	12.29	43	85398	21.056	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	64538	21.654	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39013m	18.609	ug/l	
77) Bromobenzene	12.77	156	100981	21.661	ug/l	98
78) n-propylbenzene	12.83	91	504614	22.798	ug/l	100
79) 2-Chlorotoluene	12.91	91	270223	22.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	355889	22.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21614	21.562	ug/l	100
82) 4-Chlorotoluene	13.01	91	287786	22.241	ug/l	98
83) tert-Butylbenzene	13.23	119	303362	22.418	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	351407	22.640	ug/l	97
85) sec-Butylbenzene	13.41	105	418620	22.566	ug/l	98
86) p-Isopropyltoluene	13.52	119	396985	22.380	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	194455	21.881	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	193387	22.151	ug/l	98
89) n-Butylbenzene	13.85	91	364749	22.834	ug/l	99
90) Hexachloroethane	14.12	117	74827	22.083	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	165548	21.846	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10331	21.382	ug/l	91

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ClientSampleId :
VD0102SBS01

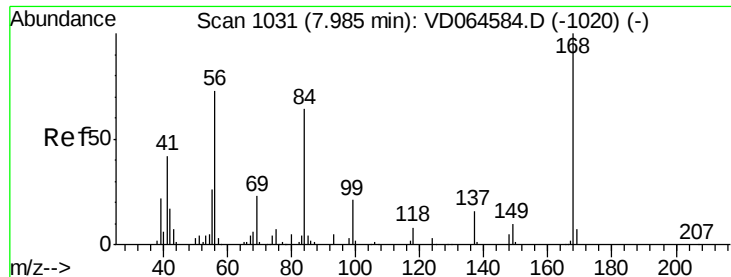
Manual Integrations
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1/3/2020 11:10:16 AM

Quant Time: Jan 03 00:33:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121851	21.838	ug/l	99
94) Hexachlorobutadiene	15.28	225	76476	21.781	ug/l	97
95) Naphthalene	15.41	128	188314	21.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100282	21.052	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion:168 Resp: 426754

Ion Ratio Lower Upper

168 100

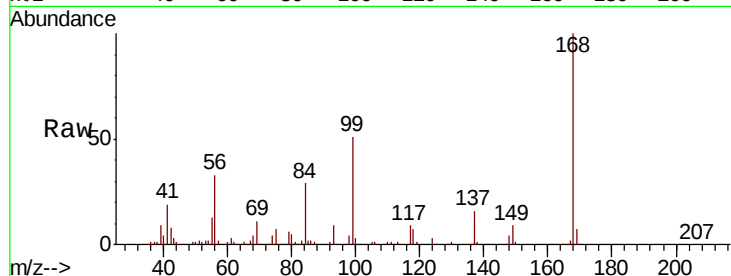
99 50.4 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

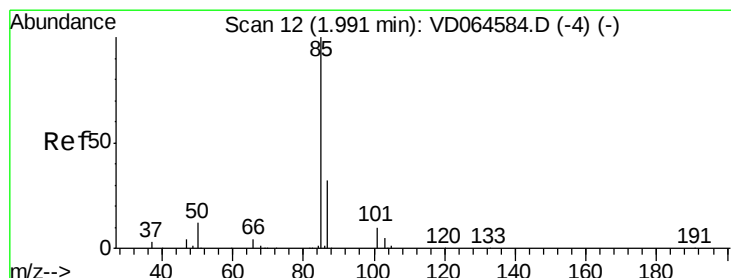
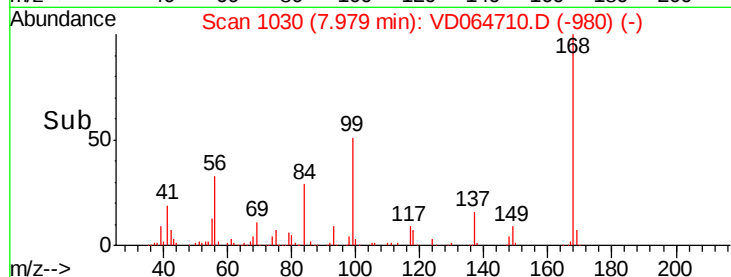
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.659 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064710.D

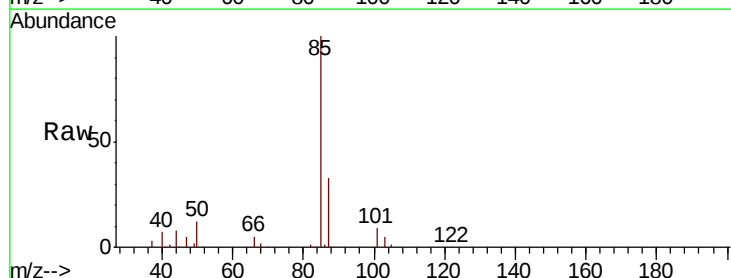
Acq: 02 Jan 2020 11:42

Tgt Ion: 85 Resp: 71832

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

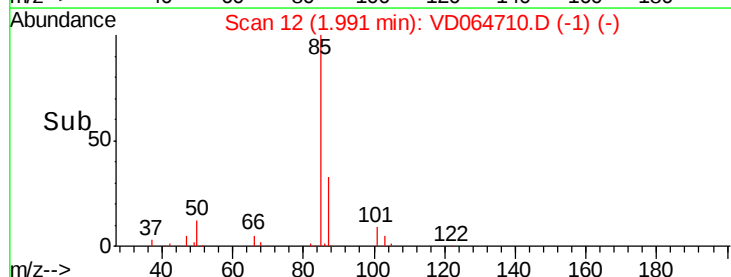
20000

10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.337 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 50 Resp: 103608

Ion Ratio Lower Upper

50 100

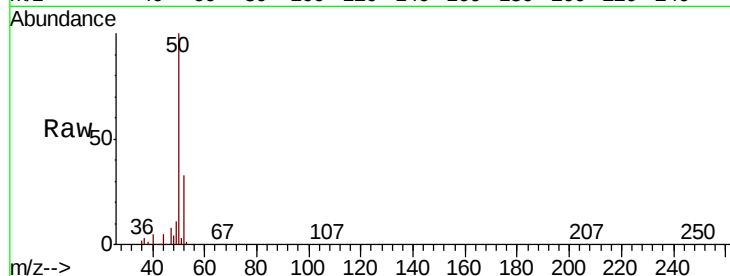
52 32.8 26.5 39.7

Manual Integrations

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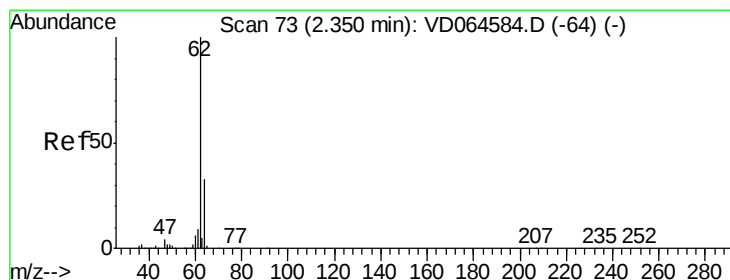
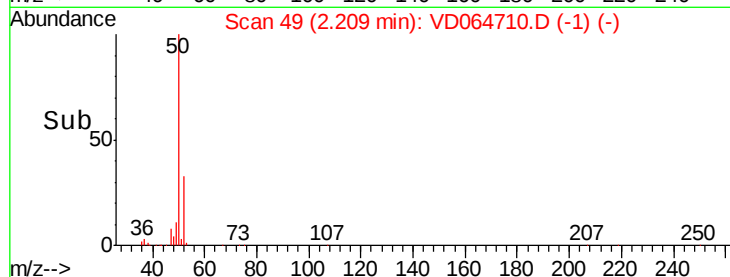
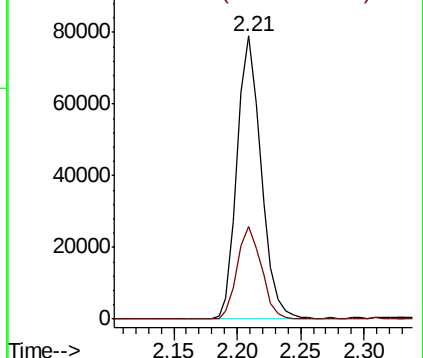
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.888 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064710.D

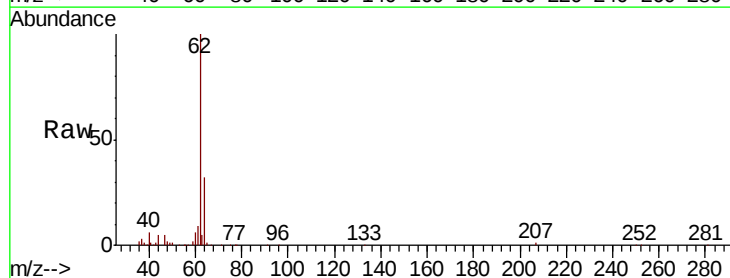
Acq: 02 Jan 2020 11:42

Tgt Ion: 62 Resp: 123784

Ion Ratio Lower Upper

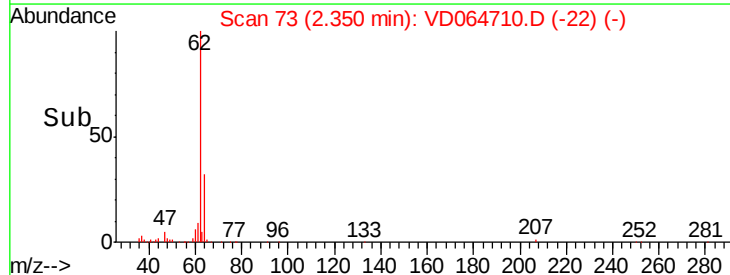
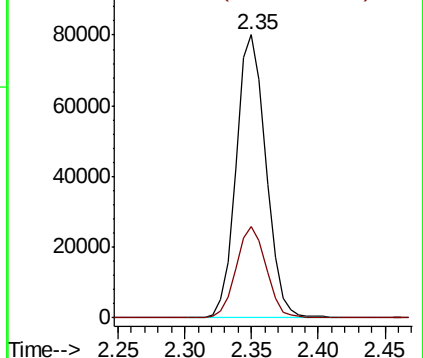
62 100

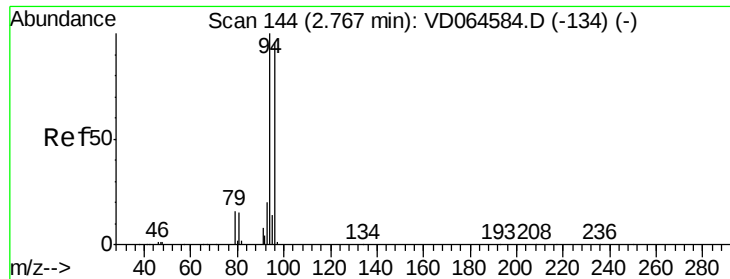
64 32.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.900 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 94 Resp: 90052

Ion Ratio Lower Upper

94 100

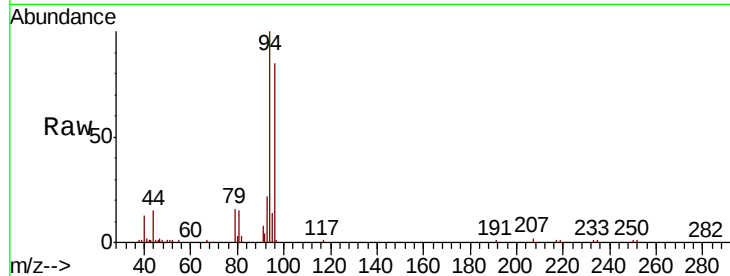
96 84.5 77.2 115.8

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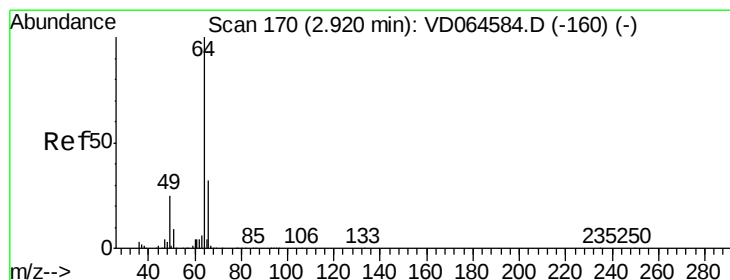
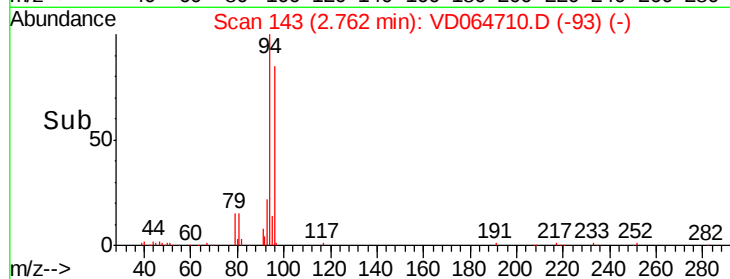
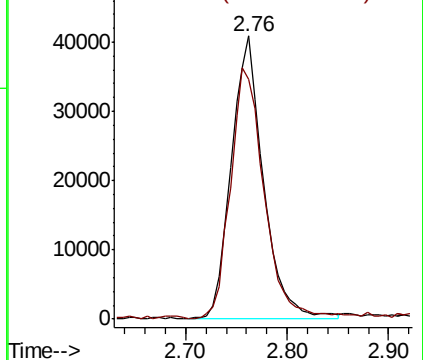
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.653 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064710.D

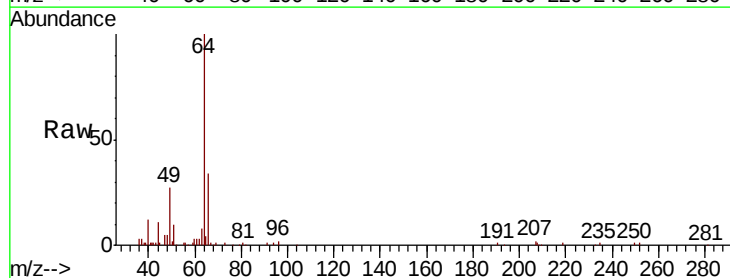
Acq: 02 Jan 2020 11:42

Tgt Ion: 64 Resp: 82052

Ion Ratio Lower Upper

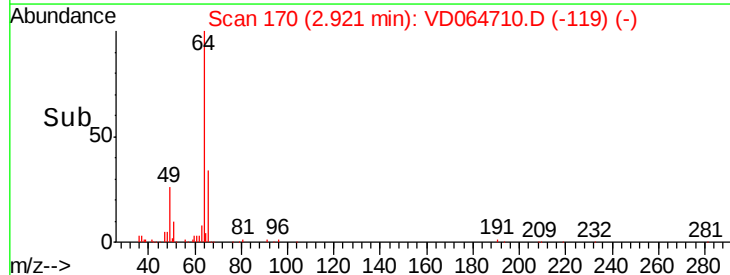
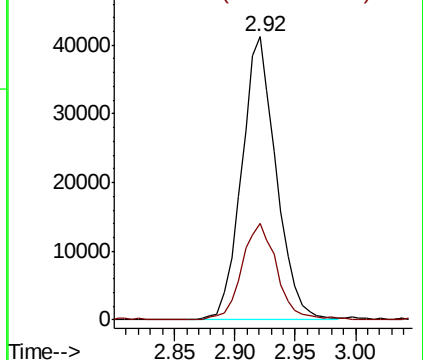
64 100

66 34.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

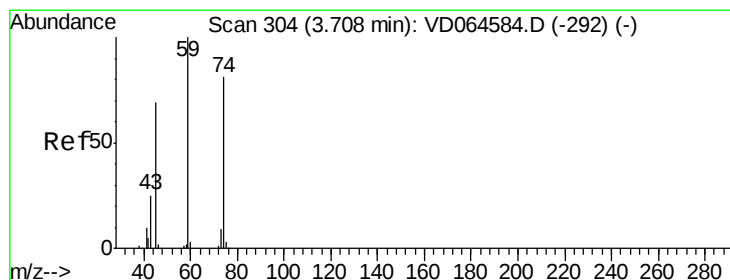
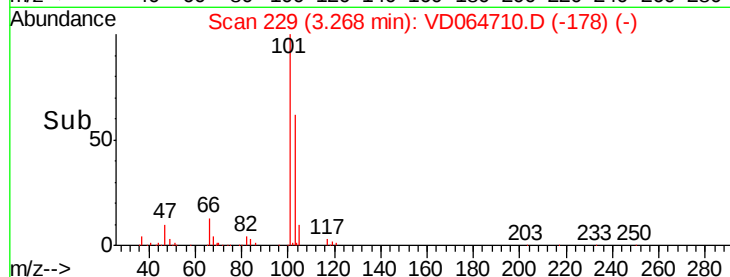
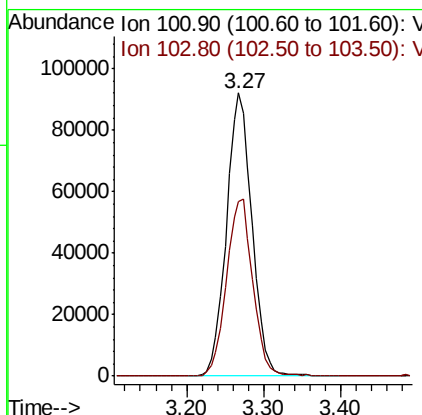
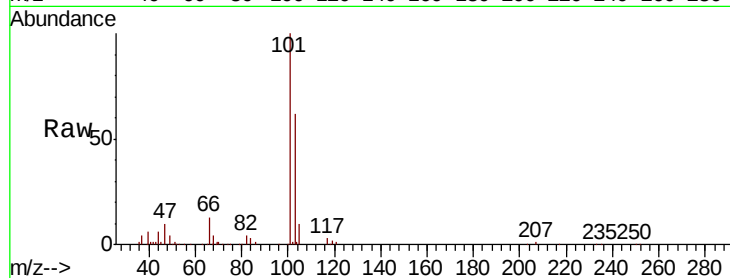
Trichlorofluoromethane
 Concen: 22.328 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

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 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.2	78.4

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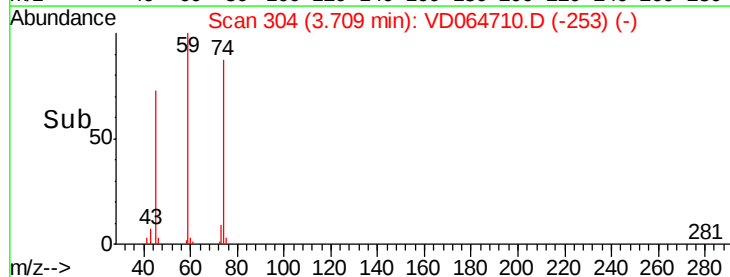
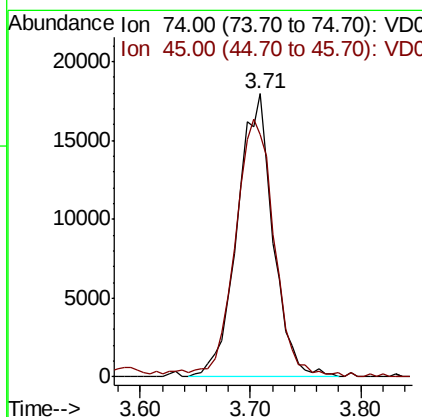
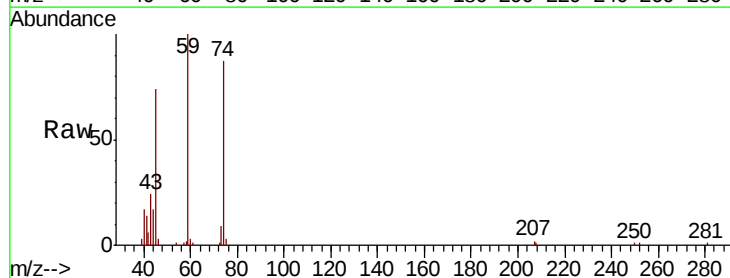
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#8

Diethyl Ether
 Concen: 21.631 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.488 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

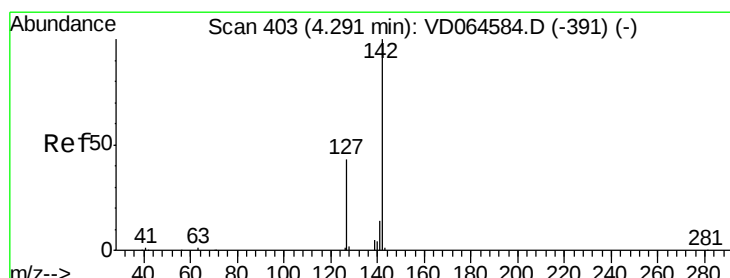
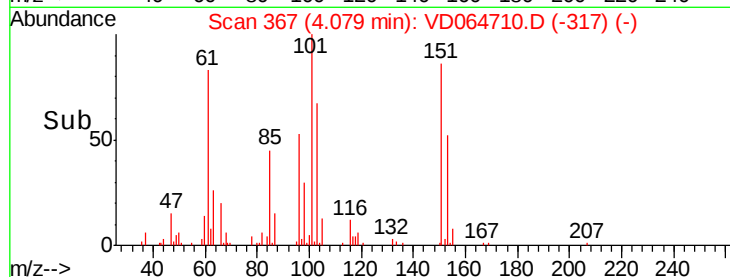
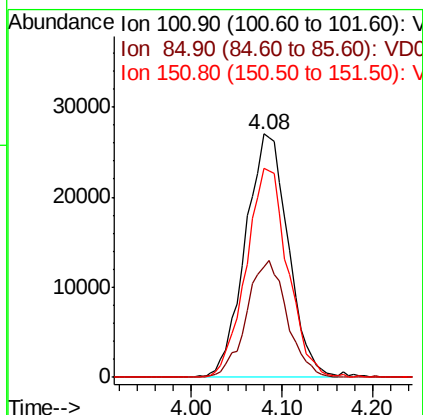
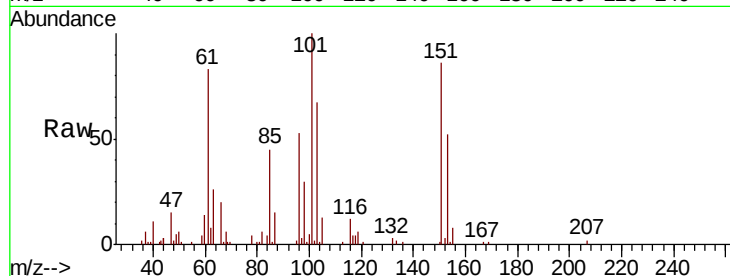
ClientSampleId :

VD0102SBS01

Tot Ion:	101	Resp:	88684
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.2	52.8
151	83.5	66.2	99.4

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#10

Methyl Iodide

Concen: 21.369 ug/l

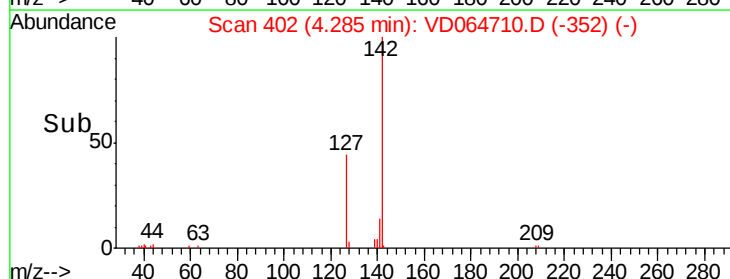
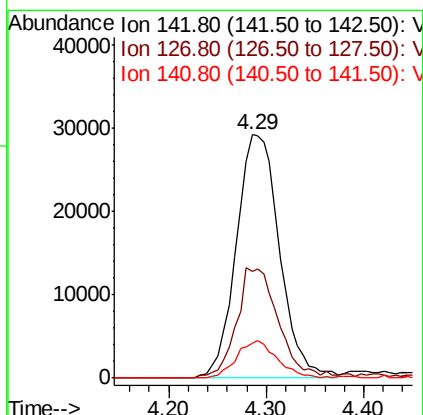
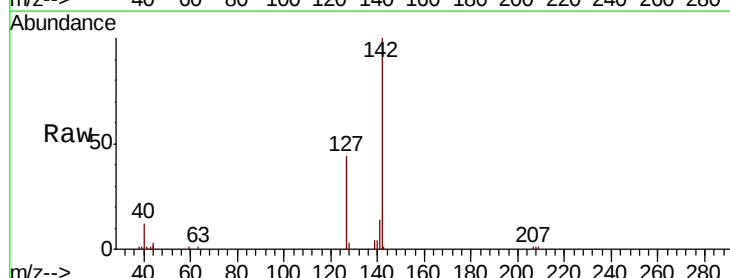
RT: 4.29 min Scan# 402

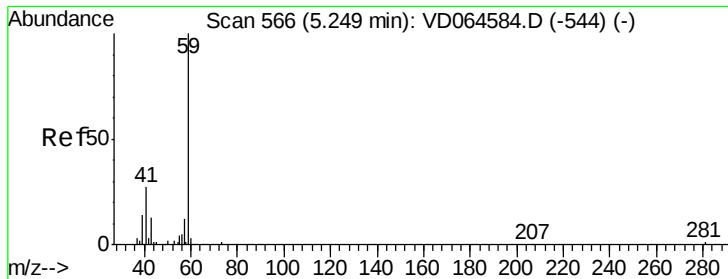
Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion:	142	Resp:	90519
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.2	54.4
141	14.3	11.8	17.8





#11

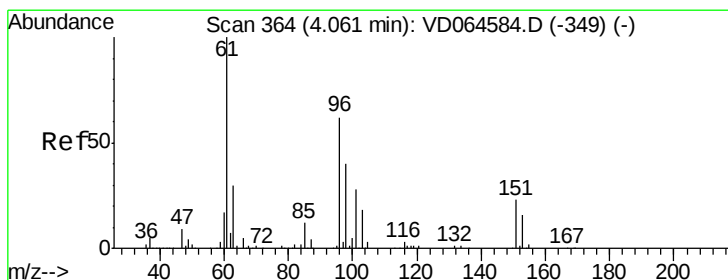
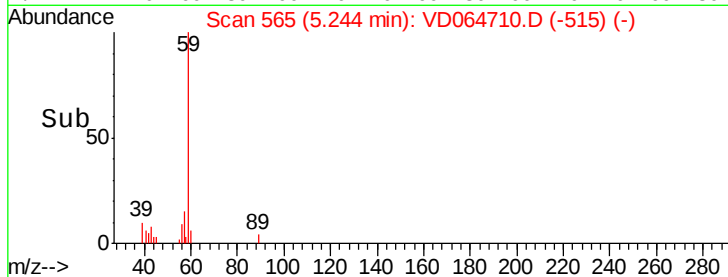
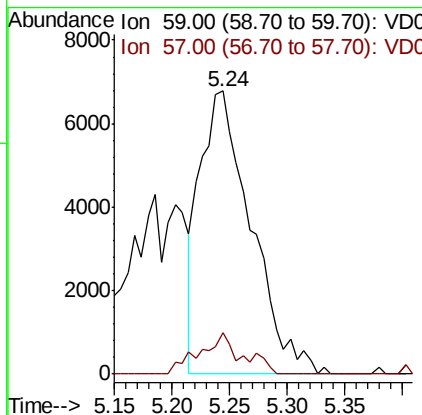
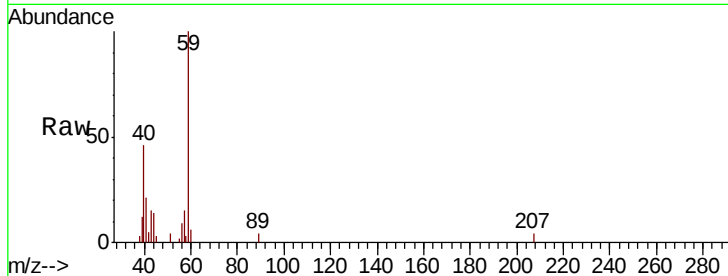
Tert butyl alcohol
 Concen: 96.952 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	59	Resp	20909
Ion Ratio	100	Lower	Upper
57	10.2	9.3	13.9

Manual Integrations
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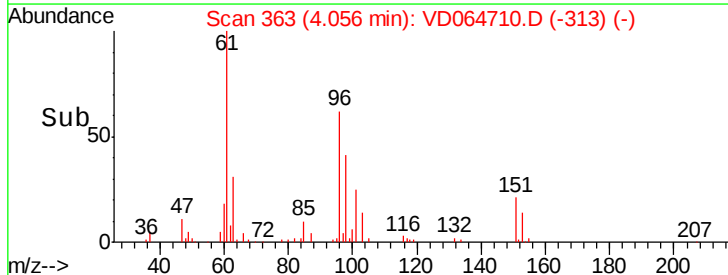
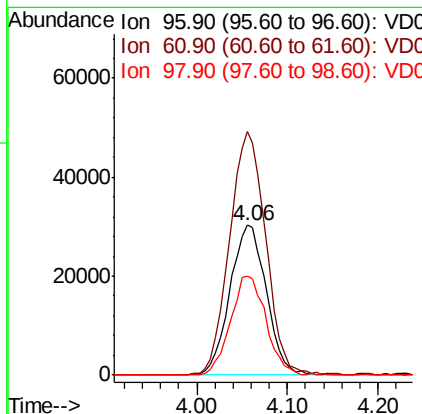
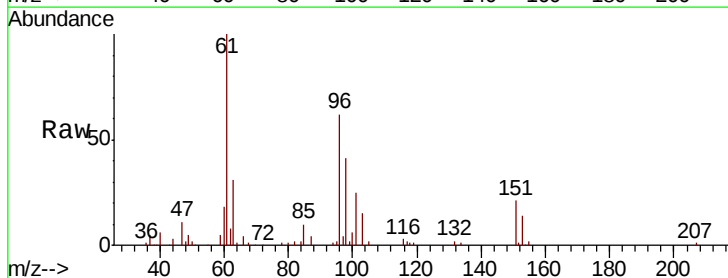
apatel
 1/3/2020 11:10:16 AM

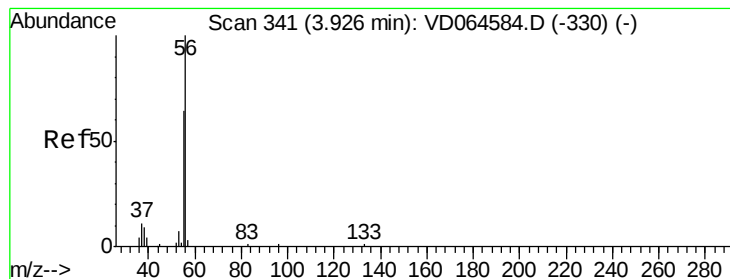


#12

1,1-Dichloroethene
 Concen: 22.574 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	96	Resp	84755
Ion Ratio	100	Lower	Upper
61	162.2	129.4	194.0
98	65.9	51.4	77.0





#13

Acrolein

Concen: 89.014 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 56 Resp: 26754

Ion Ratio Lower Upper

56 100

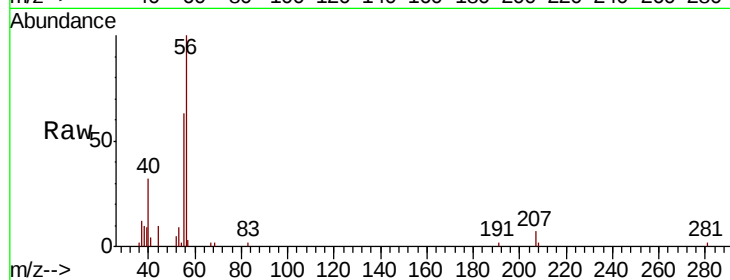
55 68.0 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

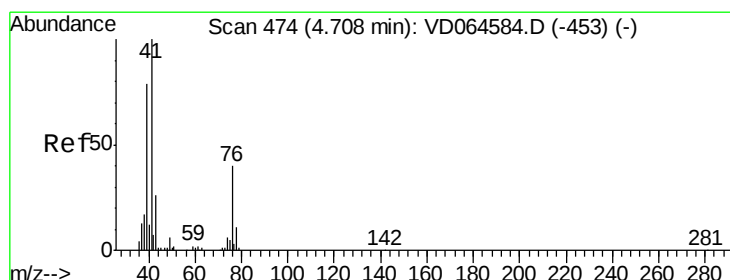
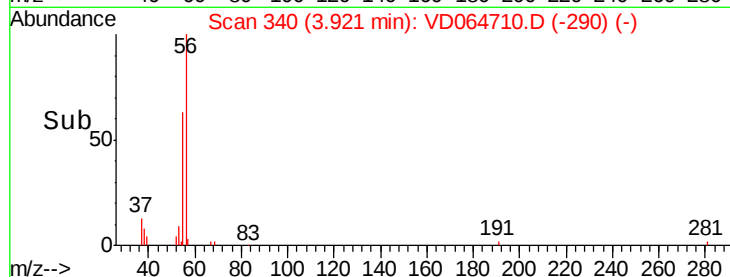
4000

2000

0

Time--> 3.80 3.85 3.90 3.95 4.00

3.92



#14

Allyl chloride

Concen: 22.400 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

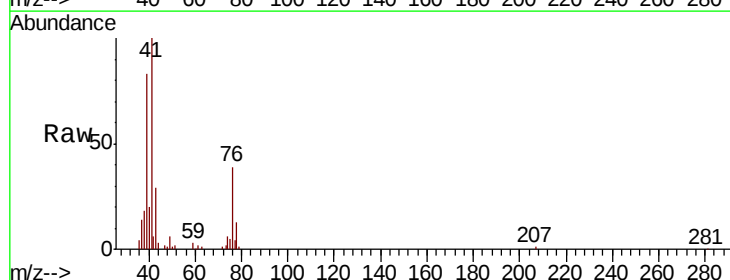
Tgt Ion: 41 Resp: 131126

Ion Ratio Lower Upper

41 100

39 79.2 62.3 93.5

76 38.1 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

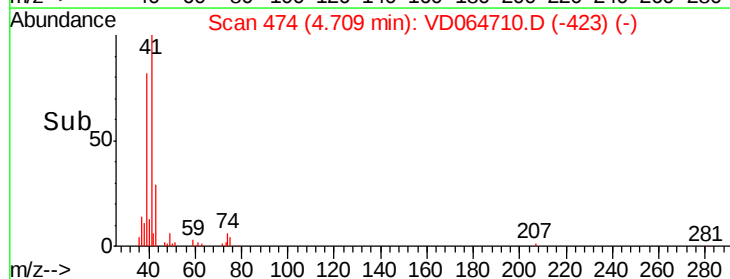
20000

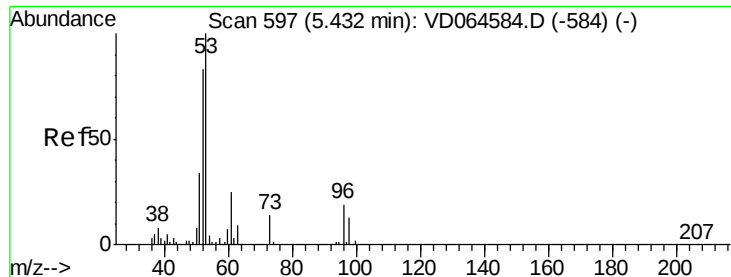
10000

0

Time--> 4.50 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 104.543 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

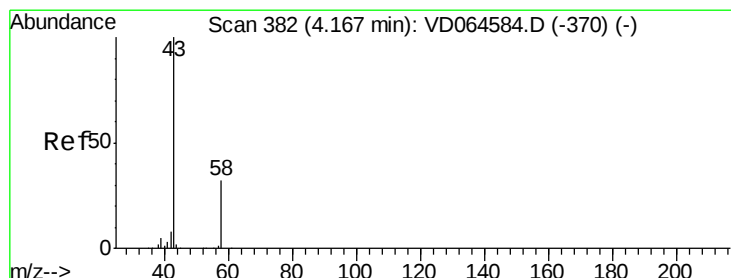
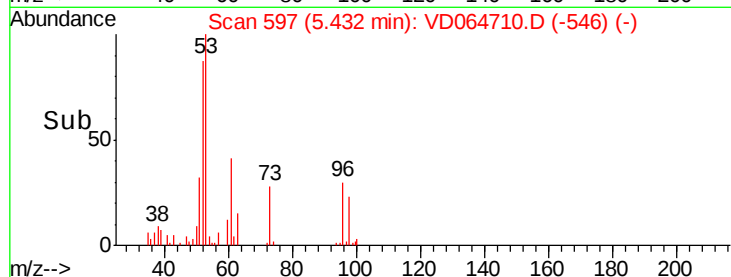
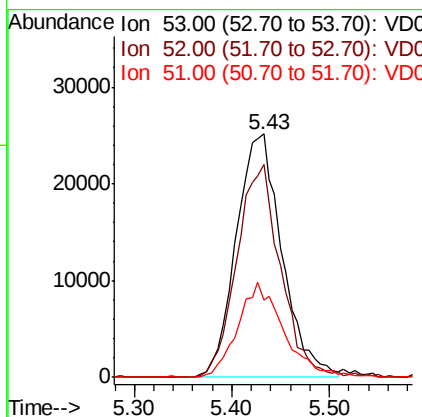
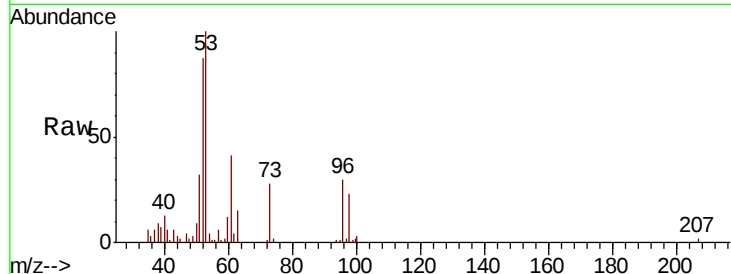
ClientSampleId :

VD0102SBS01

Tot Ion:	53	Resp:	82342
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	39.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 101.207 ug/l

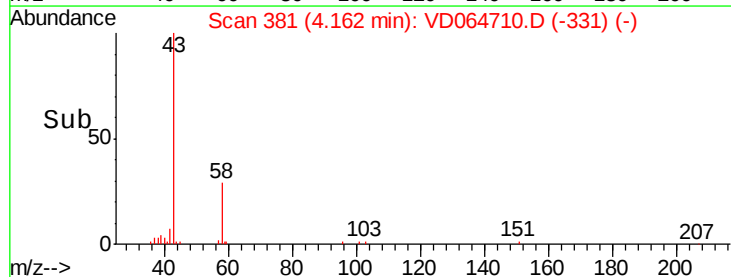
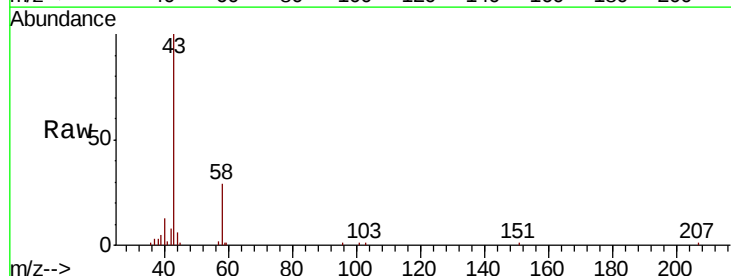
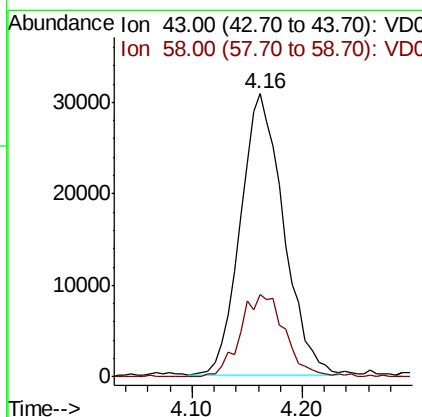
RT: 4.16 min Scan# 381

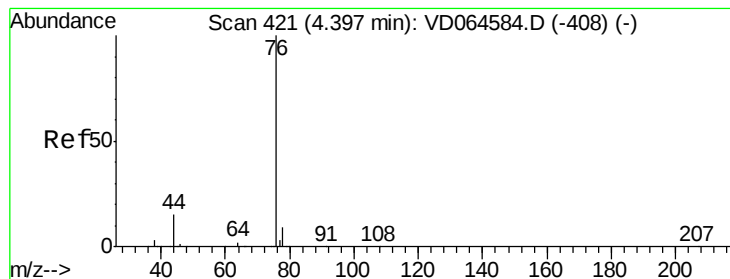
Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion:	43	Resp:	83893
Ion	Ratio	Lower	Upper
43	100		
58	29.3	25.8	38.6





#17

Carbon Disulfide

Concen: 21.498 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 76 Resp: 260987

Ion Ratio Lower Upper

76 100

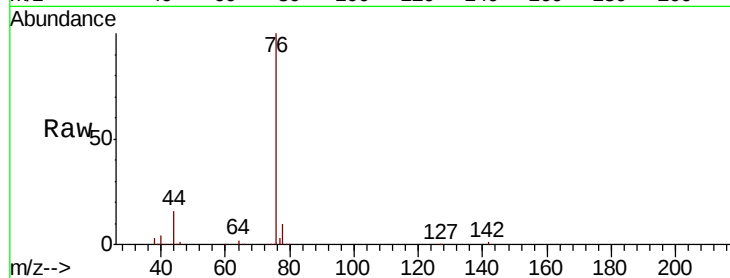
78 10.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

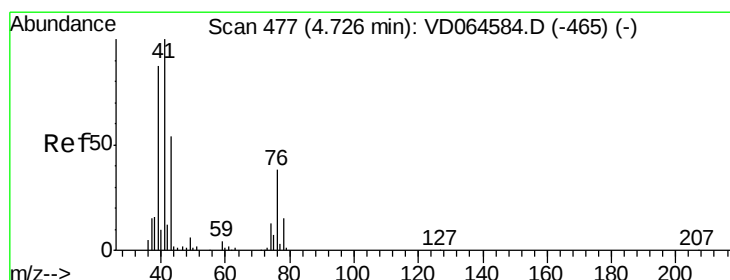
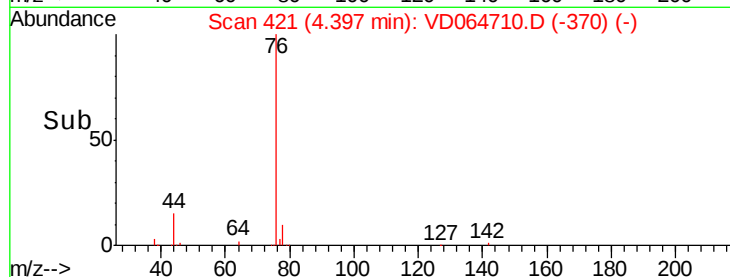
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.578 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064710.D

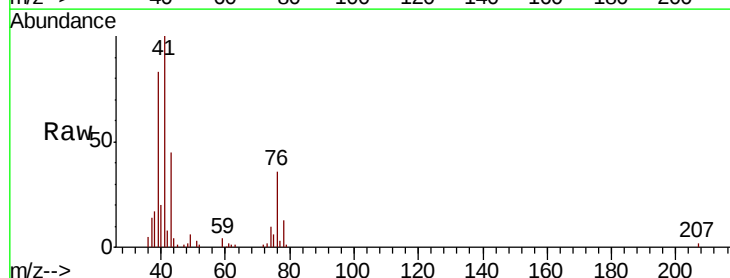
Acq: 02 Jan 2020 11:42

Tgt Ion: 43 Resp: 43596

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

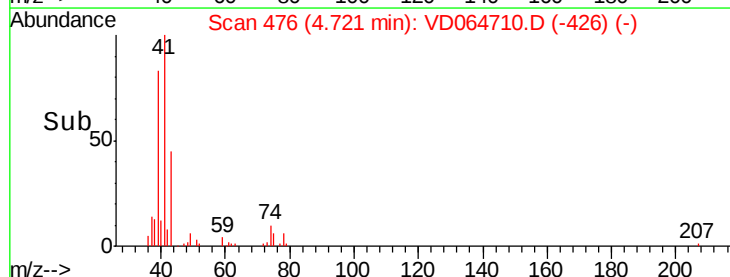
15000

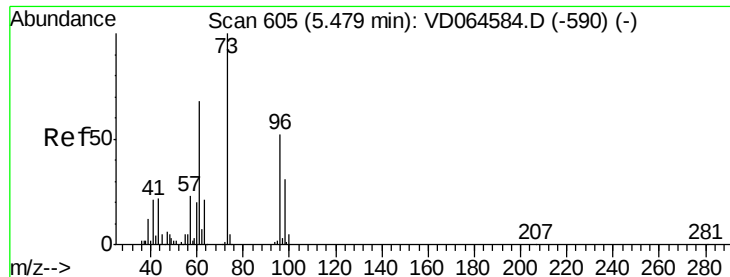
10000

5000

0

Time-->





#19

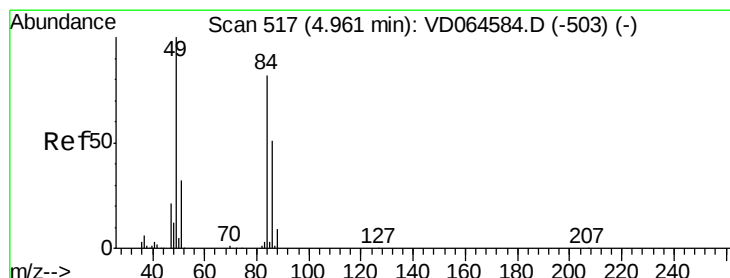
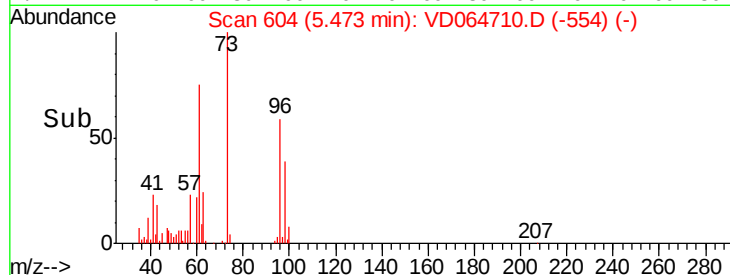
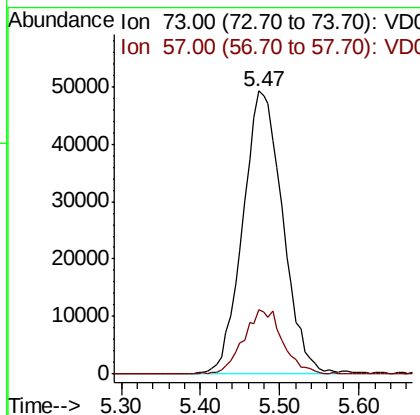
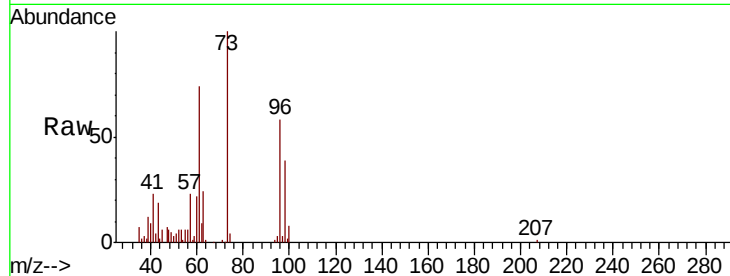
Methyl tert-butyl Ether
 Concen: 20.652 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.6	27.8

Manual Integrations
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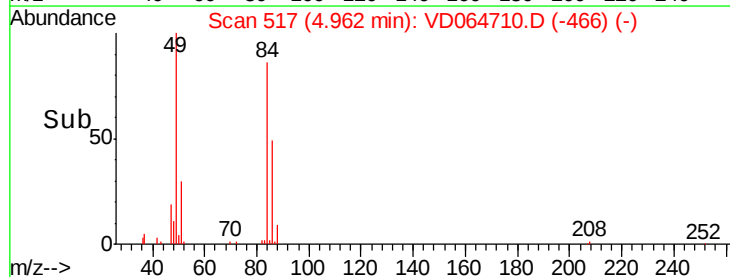
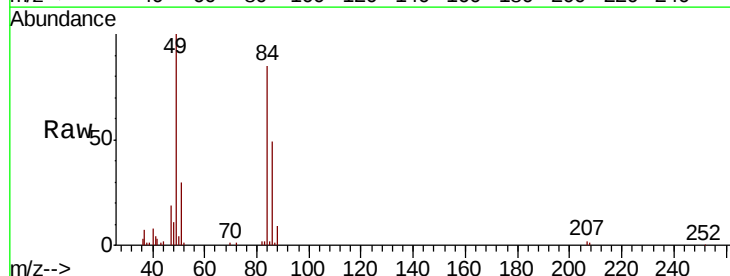
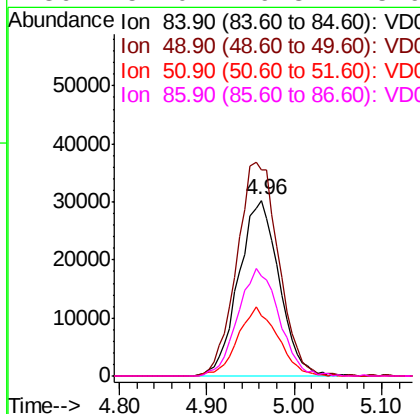
apatel
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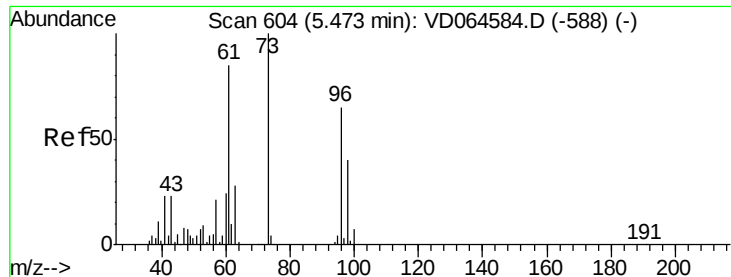


#20

Methylene Chloride
 Concen: 22.107 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.0	97.2	145.8
51	34.6	31.4	47.0
86	57.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 21.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

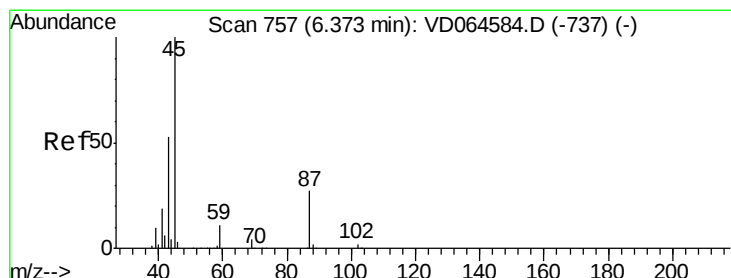
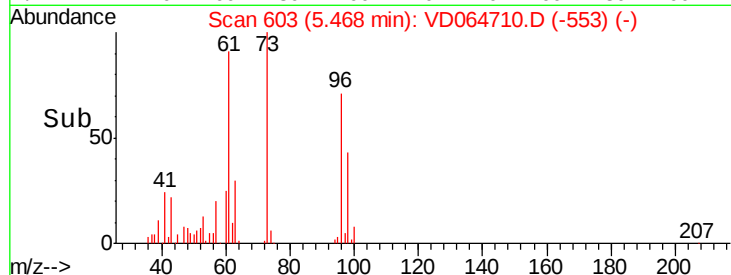
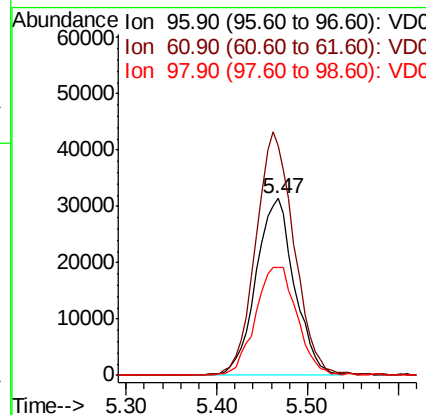
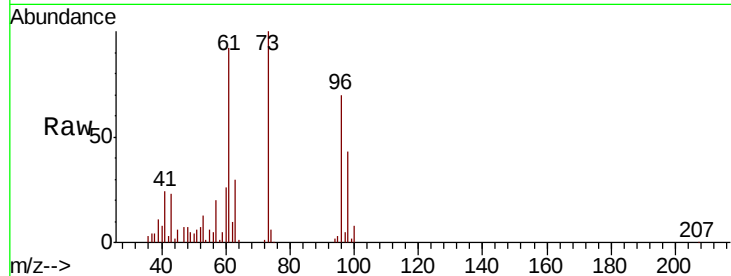
ClientSampleId :

VD0102SBS01

Tot Ion:	96	Resp:	92571
Ion	Ratio	Lower	Upper
96	100		
61	130.0	104.7	157.1
98	60.9	49.4	74.2

Manual Integrations
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apatel
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#22

Diisopropyl ether

Concen: 22.013 ug/l

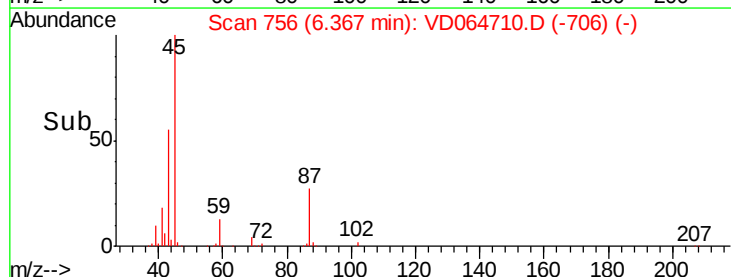
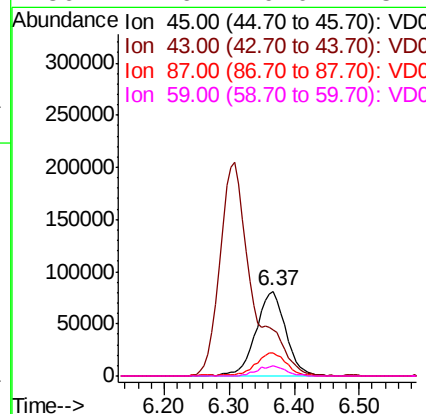
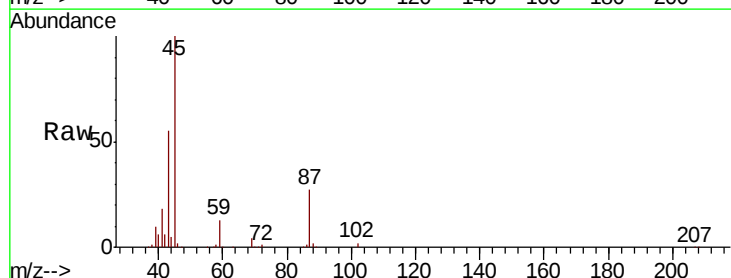
RT: 6.37 min Scan# 756

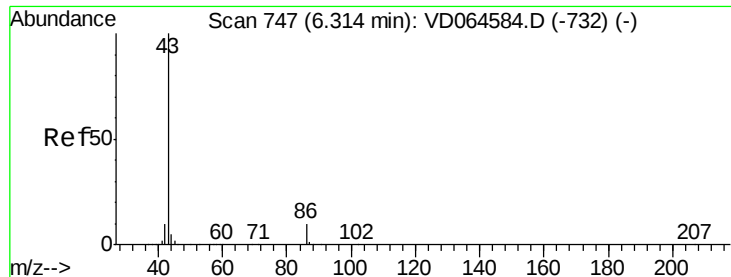
Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion:	45	Resp:	257015
Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.2	64.8
87	27.1	21.9	32.9
59	12.6	9.0	13.4





#23

Vinyl Acetate

Concen: 106.355 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 43 Resp: 704419

Ion Ratio Lower Upper

43 100

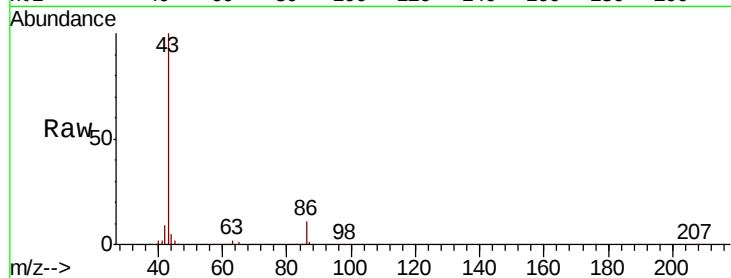
86 10.6 8.3 12.5

Manual Integrations

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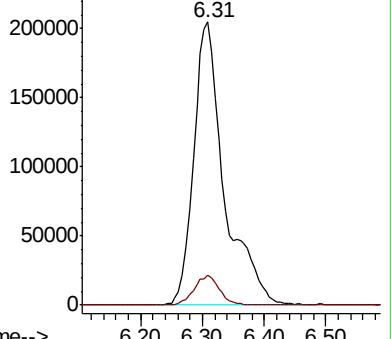
apatel

1/3/2020 11:10:16 AM

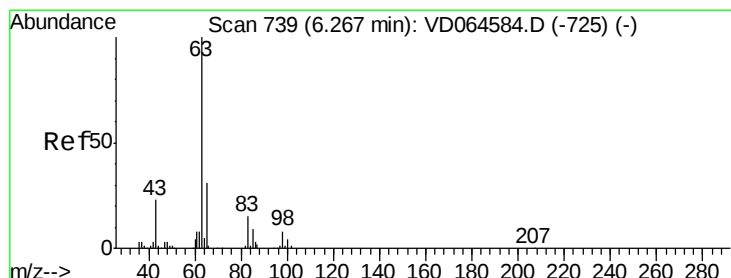
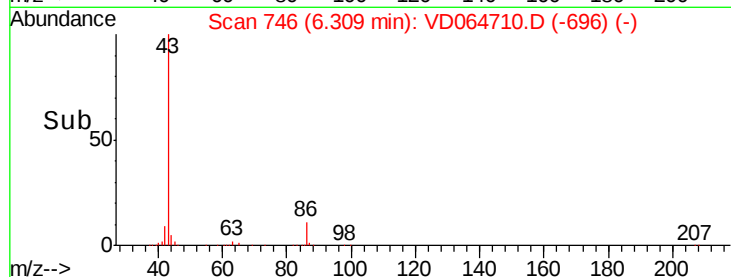


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 22.546 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

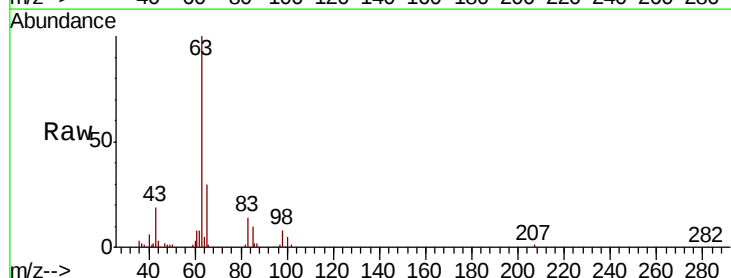
Tgt Ion: 63 Resp: 158035

Ion Ratio Lower Upper

63 100

98 7.6 4.1 12.3

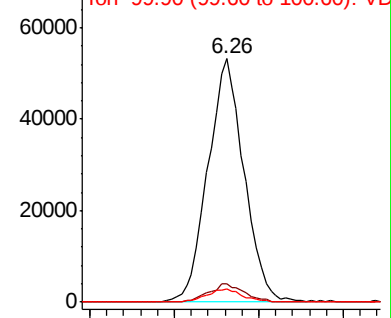
100 5.2 2.2 6.6



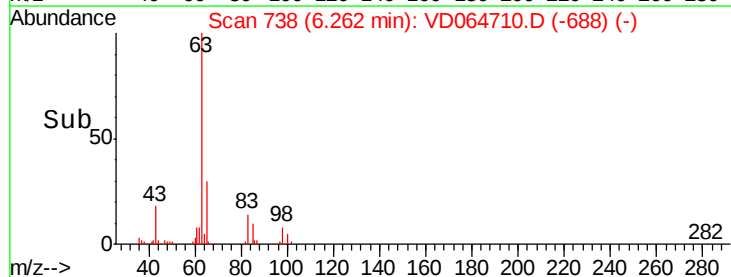
Abundance Ion 62.90 (62.60 to 63.60): VDC

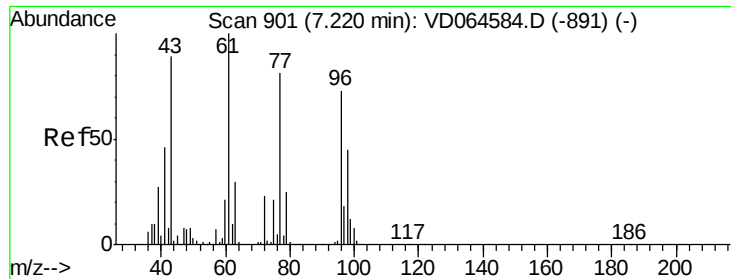
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





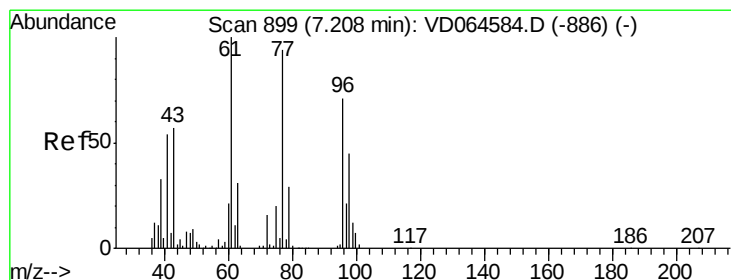
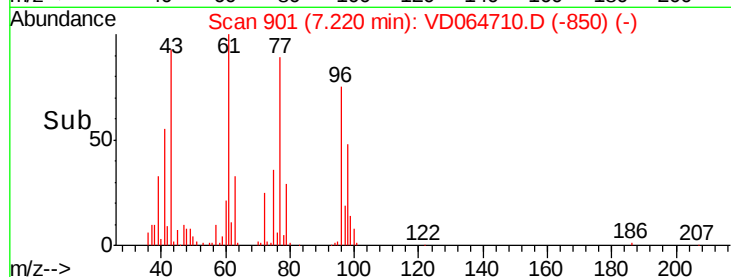
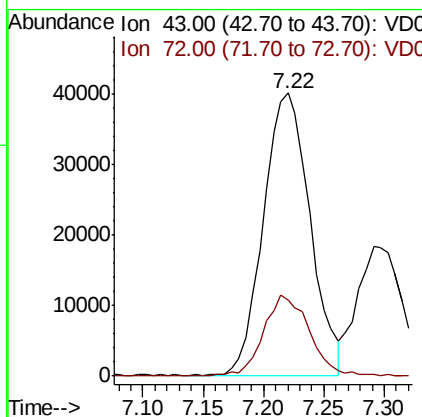
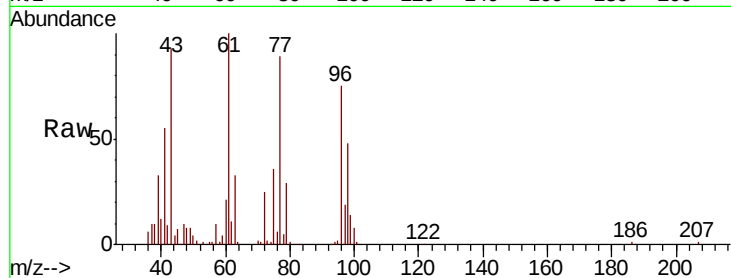
#25
2-Butanone
Concen: 104.494 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion: 43 Resp: 108086
Ion Ratio Lower Upper
43 100
72 27.1 20.7 31.1

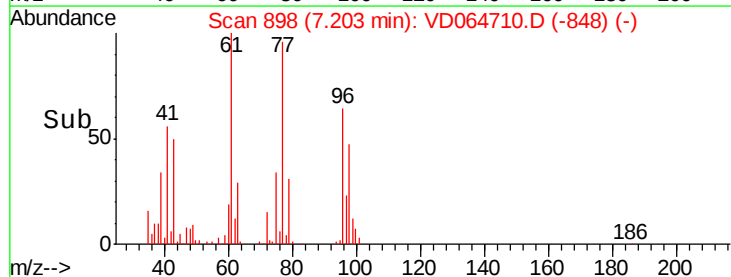
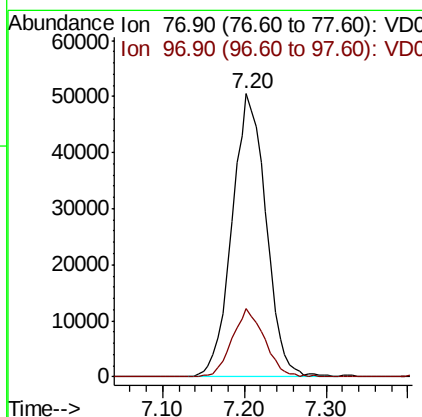
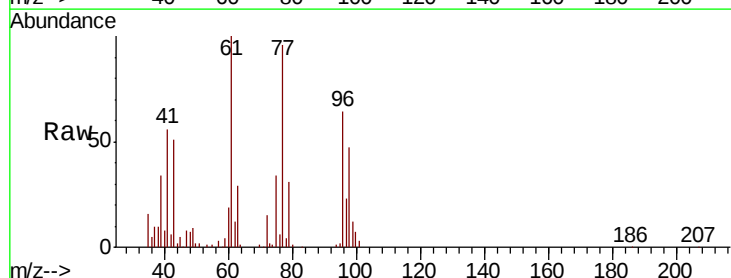
Manual Integrations
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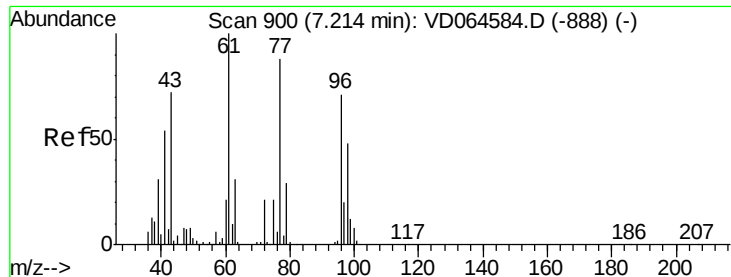
apatel
1/3/2020 11:10:16 AM



#26
2,2-Dichloropropane
Concen: 22.401 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 77 Resp: 145986
Ion Ratio Lower Upper
77 100
97 23.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 22.189 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

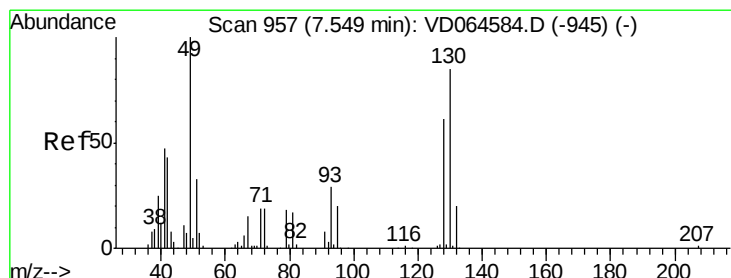
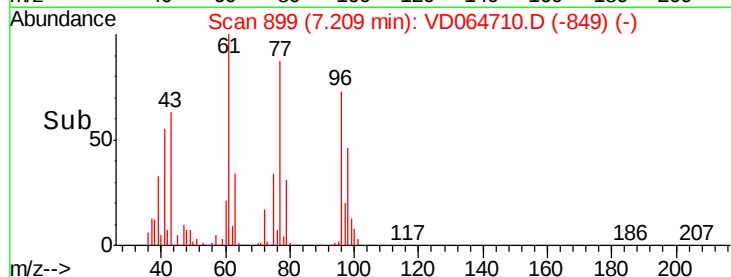
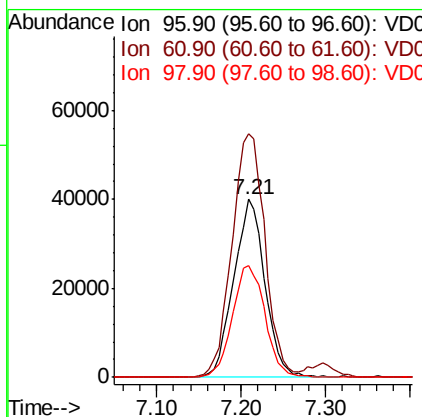
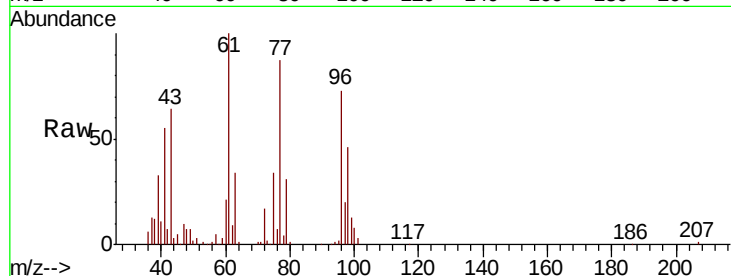
ClientSampleId :

VD0102SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	282.6
98	65.0	0.0	130.8

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#28

Bromochloromethane

Concen: 18.354 ug/l

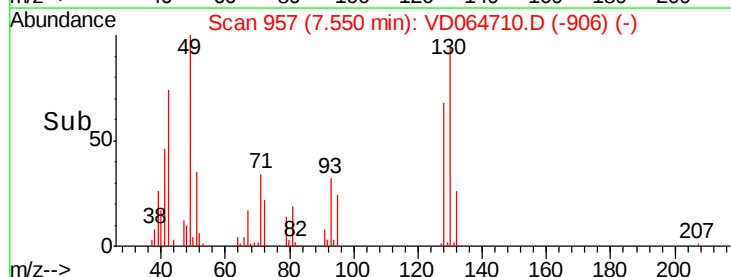
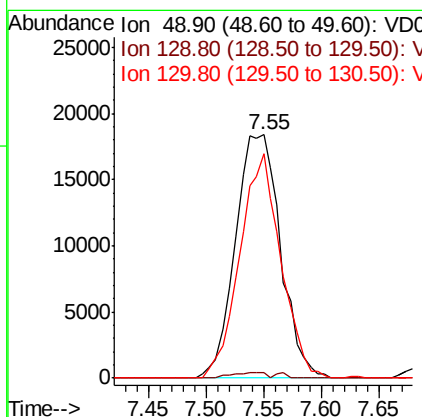
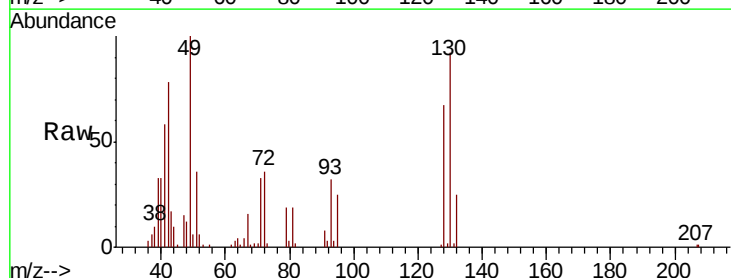
RT: 7.55 min Scan# 957

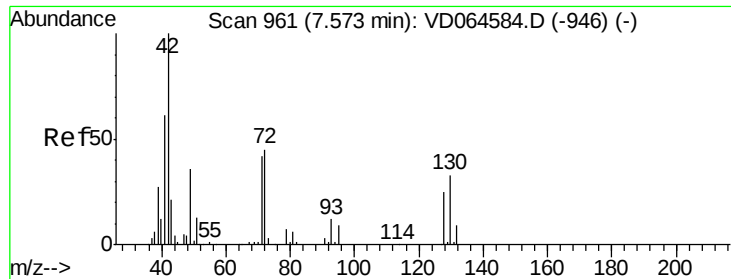
Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	83.8	65.0	97.6





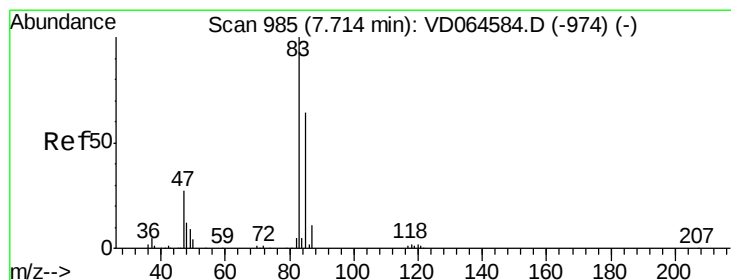
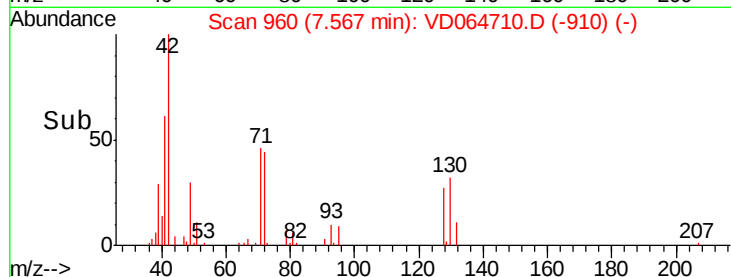
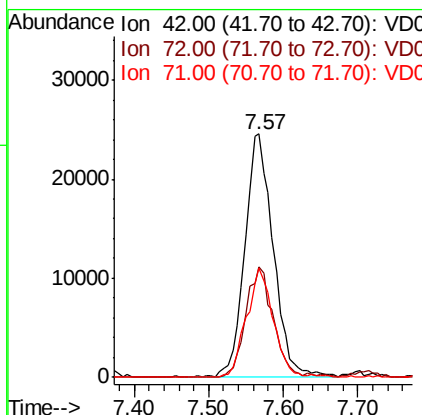
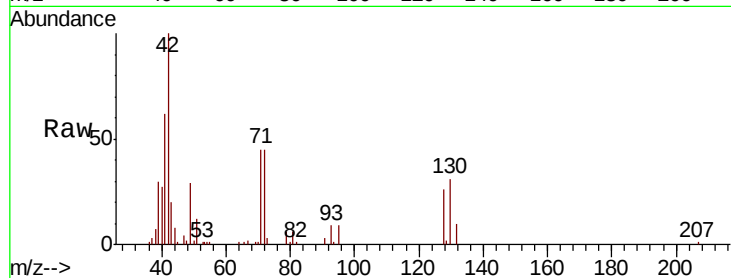
#29
Tetrahydrofuran
Concen: 101.453 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	42.0	32.9	49.3

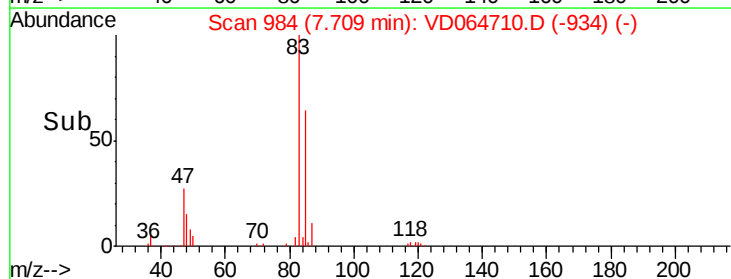
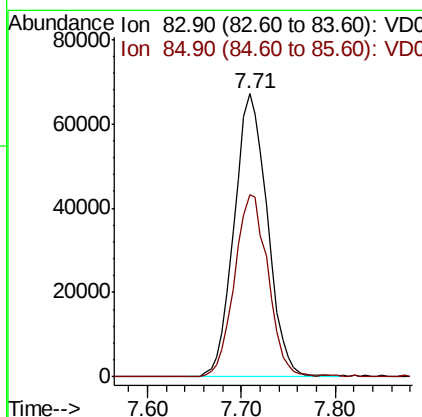
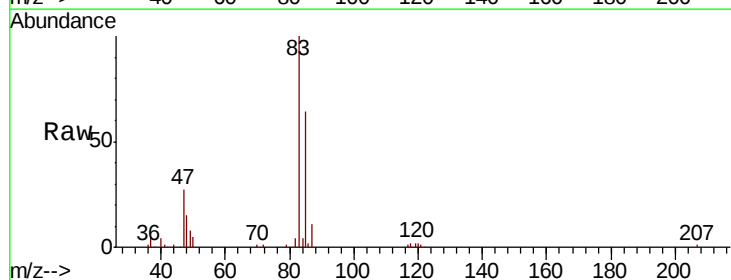
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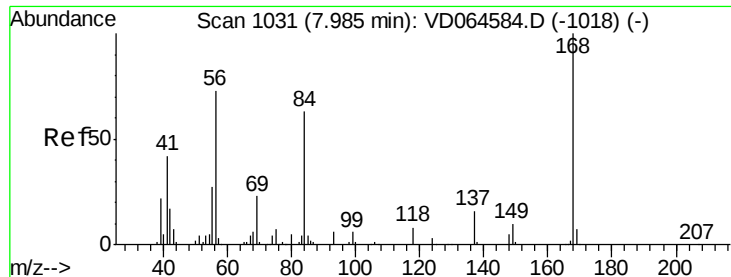
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#30
Chloroform
Concen: 22.366 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





#31

Cyclohexane

Concen: 21.794 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

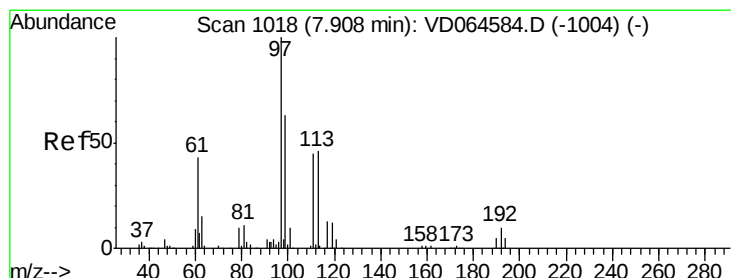
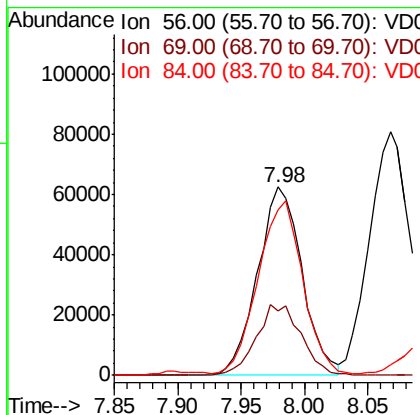
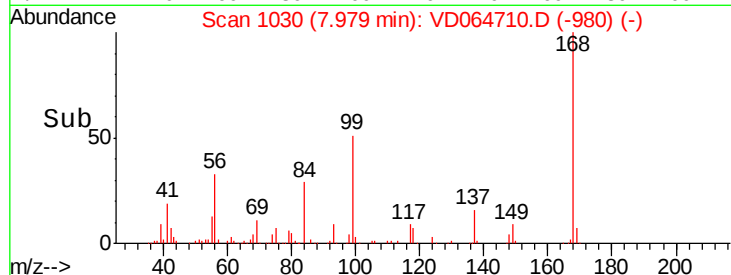
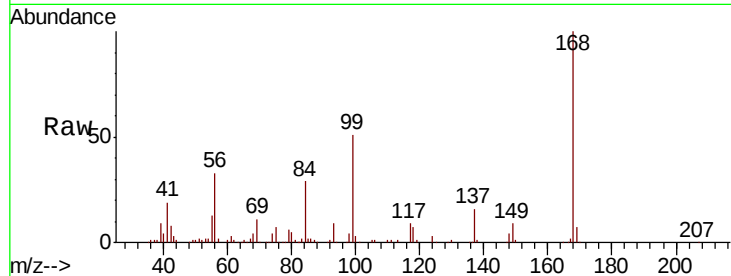
ClientSampleId :

VD0102SBS01

Tot Ion:	56	Resp:	152912
Ion	Ratio	Lower	Upper
56	100		
69	34.0	24.7	37.1
84	86.4	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 22.714 ug/l

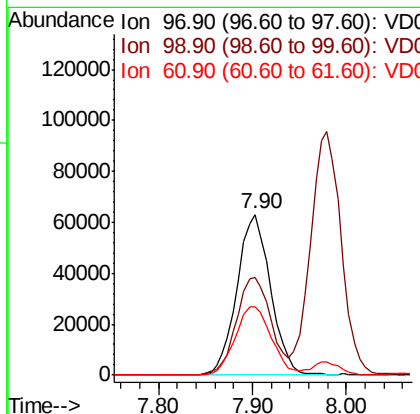
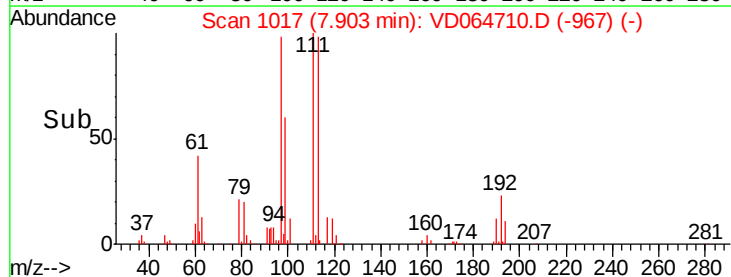
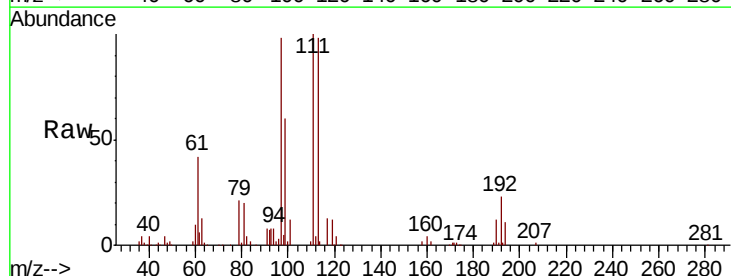
RT: 7.90 min Scan# 1017

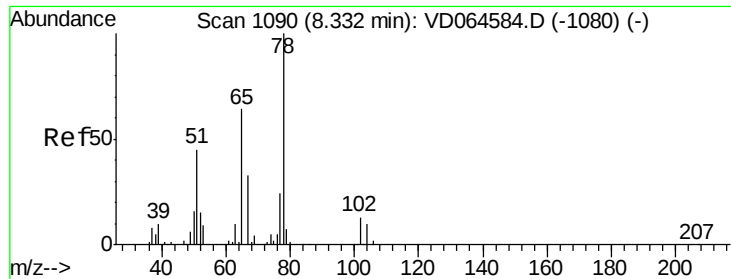
Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion:	97	Resp:	156895
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	45.6	35.4	53.0





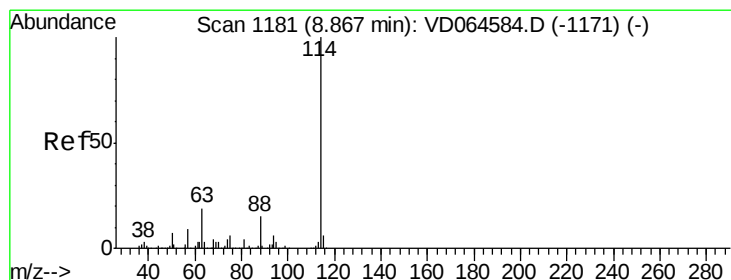
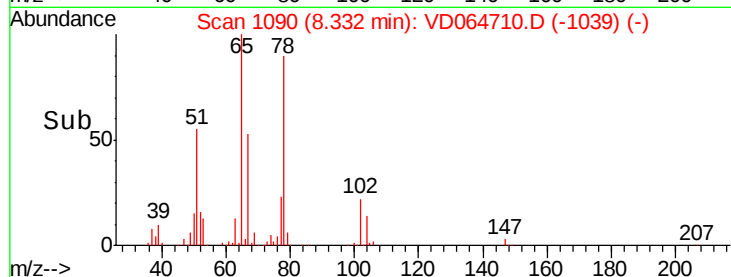
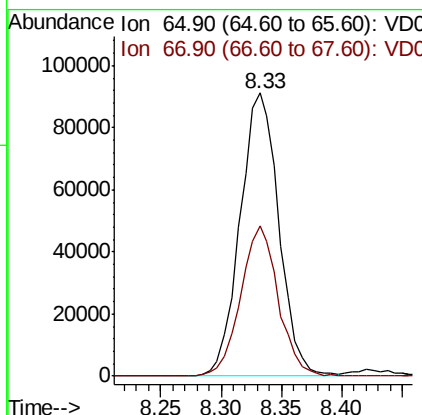
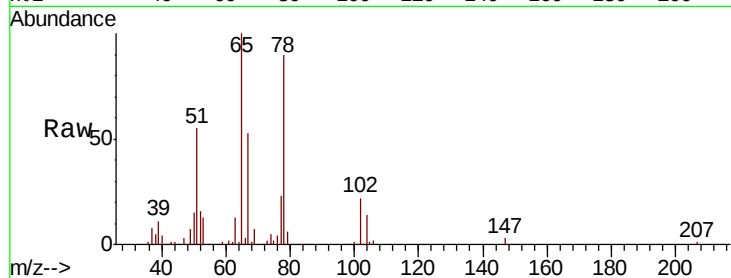
#33
 1,2-Dichloroethane-d4
 Concen: 54.314 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2

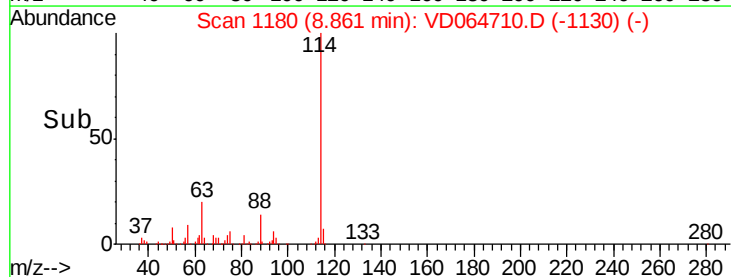
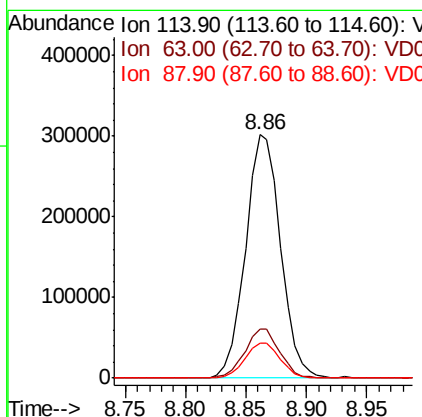
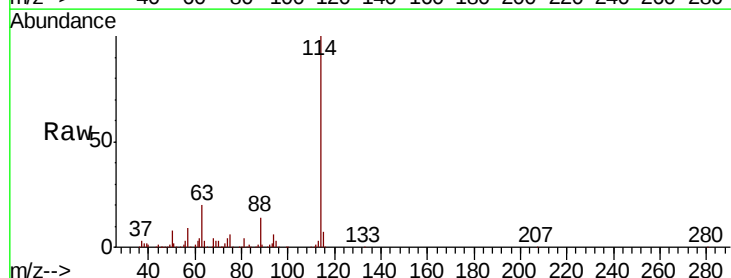
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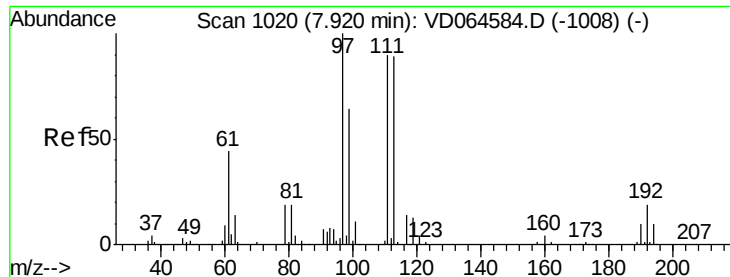
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.0
88	14.2	0.0	29.2





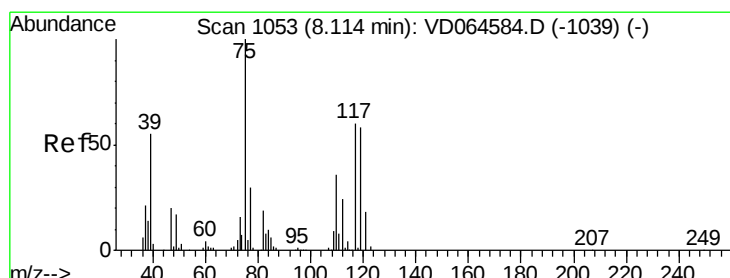
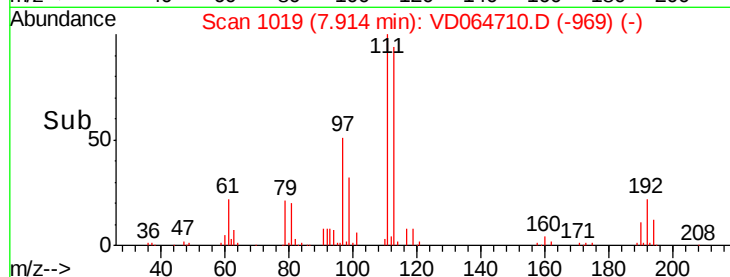
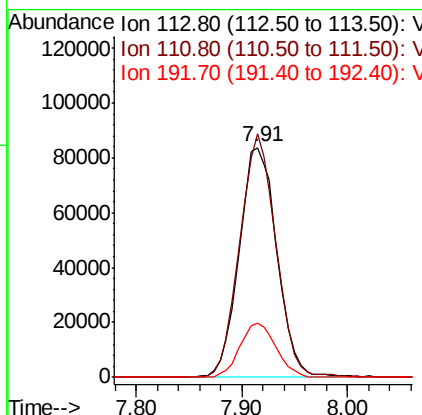
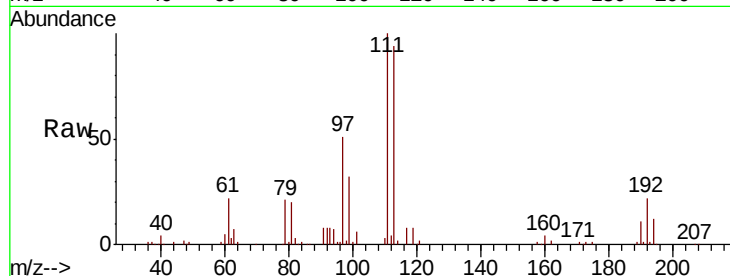
#35
 Dibromofluoromethane
 Concen: 55.452 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208014		
111	101.5	80.6	121.0	
192	22.7	17.9	26.9	

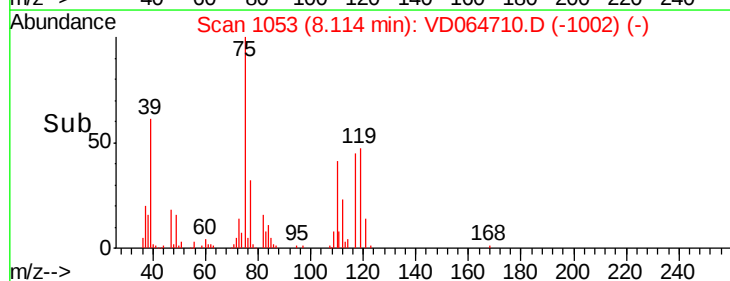
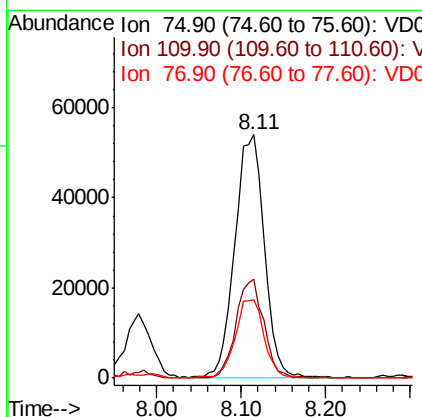
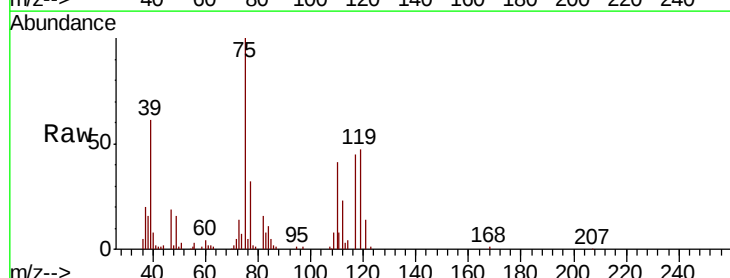
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#36
 1,1-Dichloropropene
 Concen: 22.197 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130629		
110	37.9	18.1	54.1	
77	31.5	24.2	36.4	





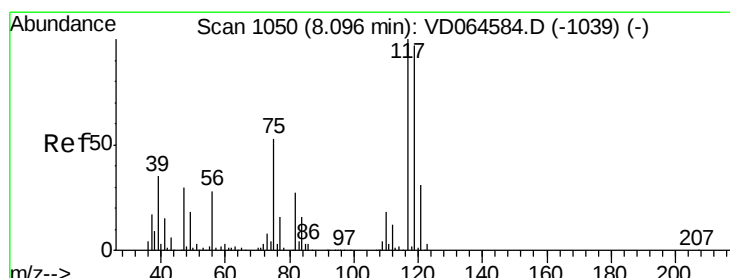
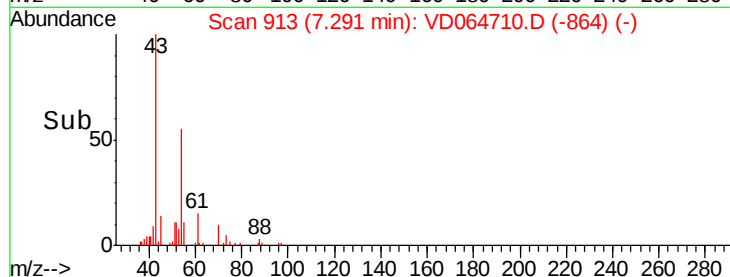
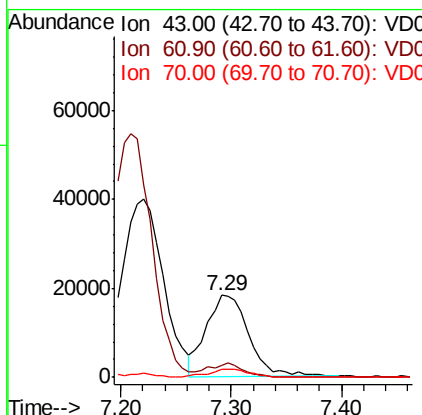
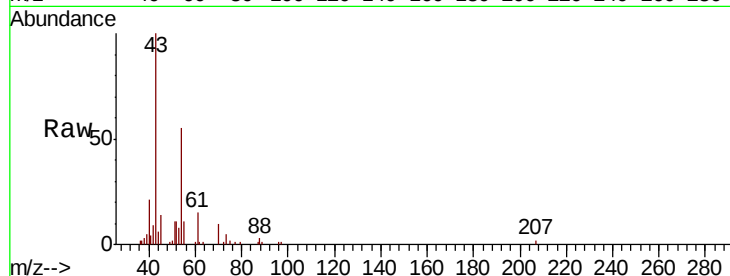
#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.3	15.5
70	9.9	7.6	11.4

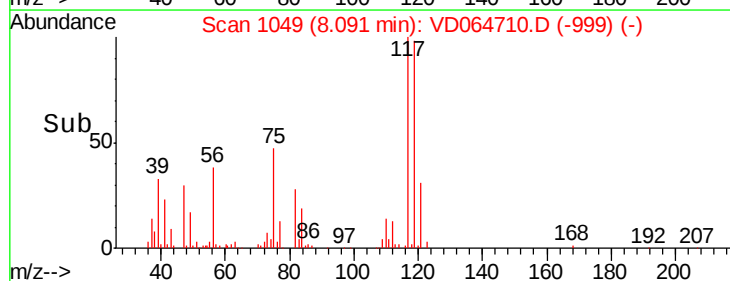
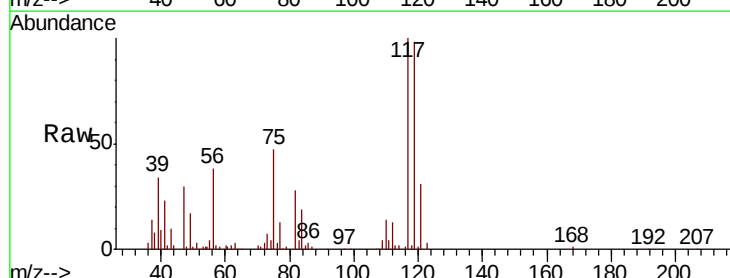
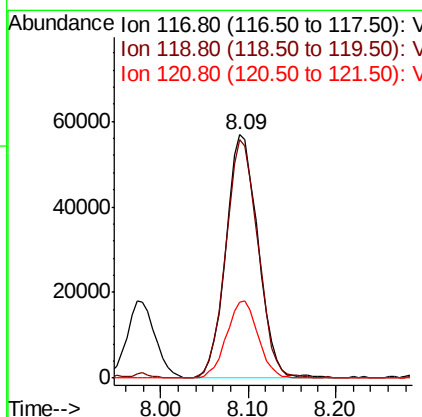
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#38
Carbon Tetrachloride
Concen: 22.694 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.3	115.9
121	31.4	25.0	37.6





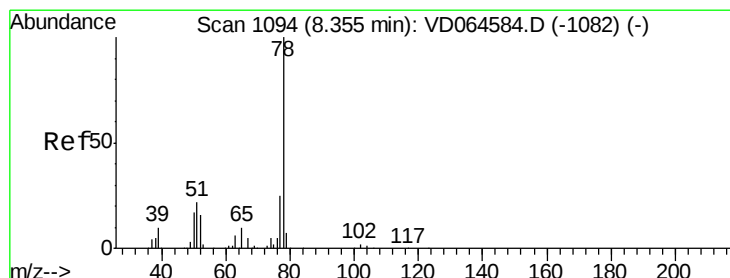
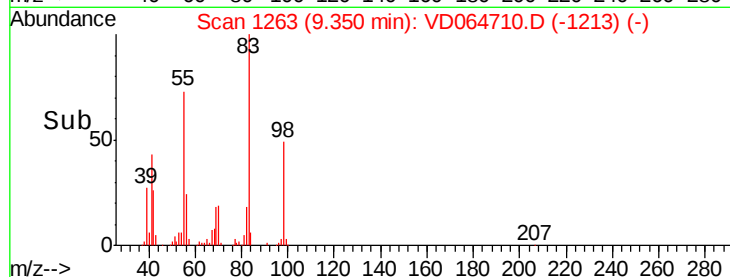
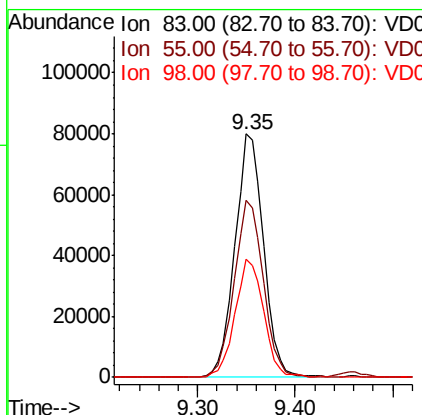
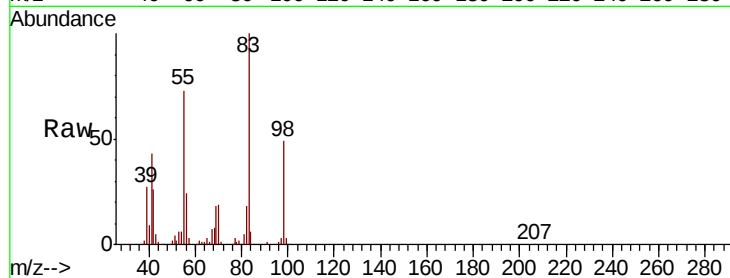
#39
Methvlcvclohexane
Concen: 22.916 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.8	86.6
98	48.7	38.7	58.1

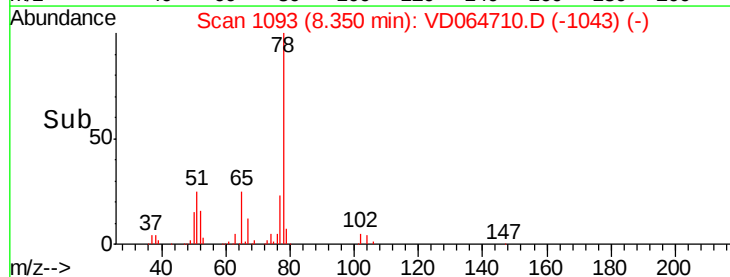
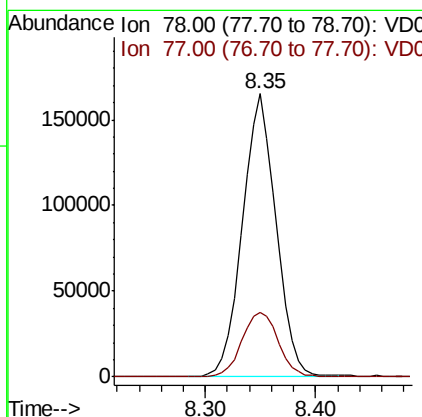
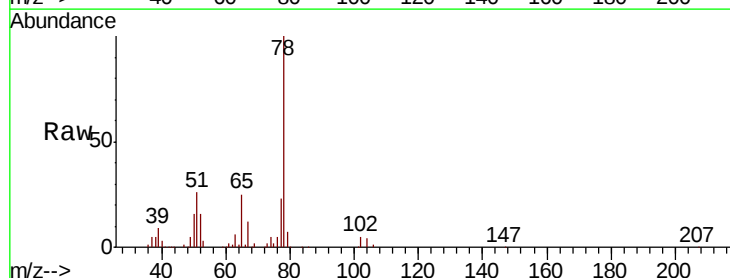
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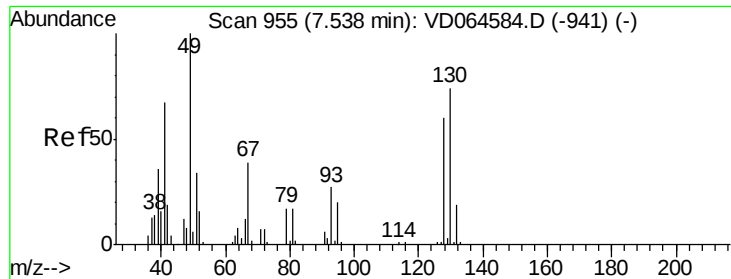
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#40
Benzene
Concen: 22.012 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.9	29.9





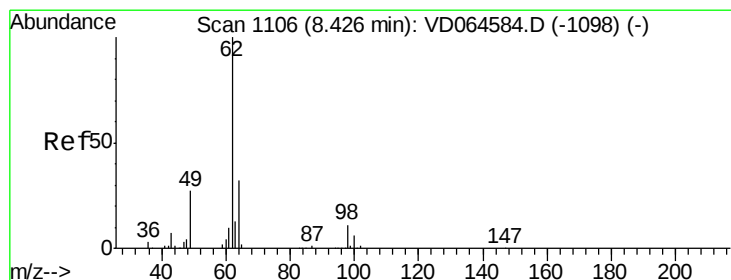
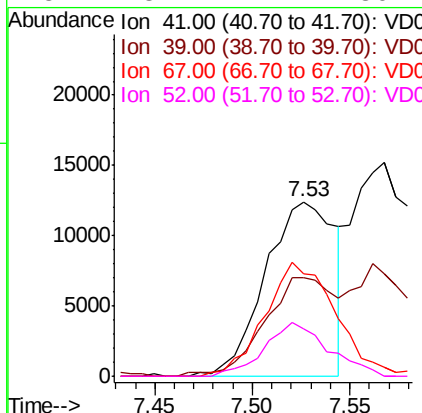
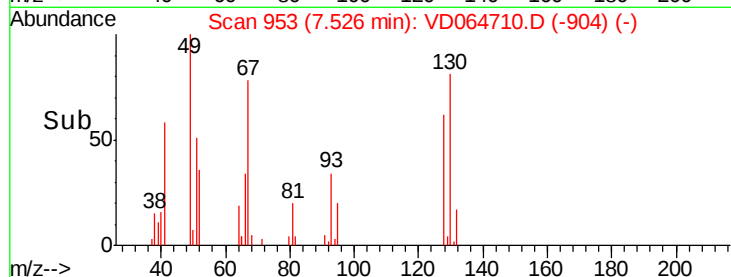
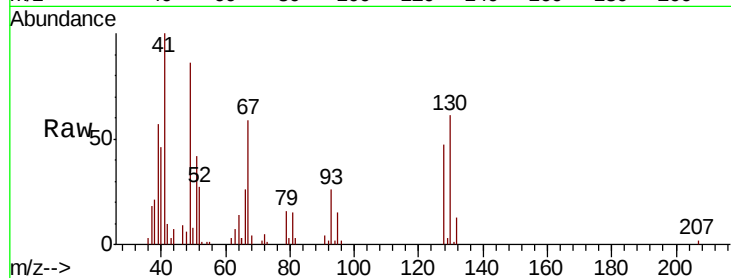
#41
Methacrylonitrile
Concen: 22.974 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	41	Resp	30817
Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.7	70.1
67	66.0	52.5	78.7
52	28.4	24.1	36.1

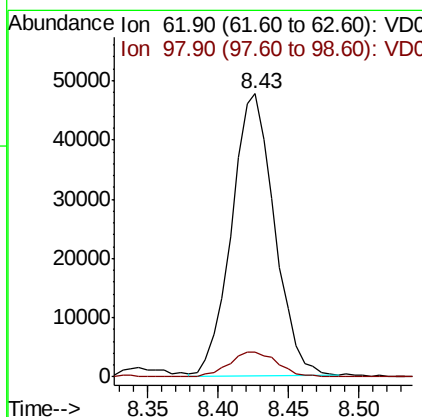
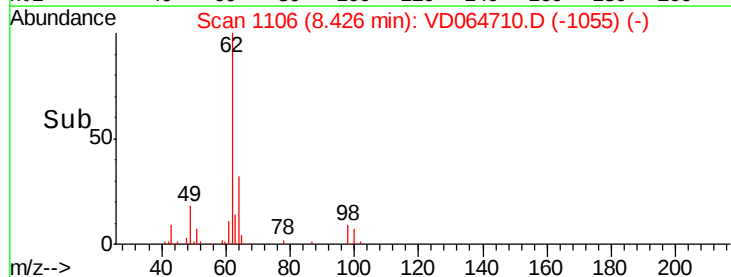
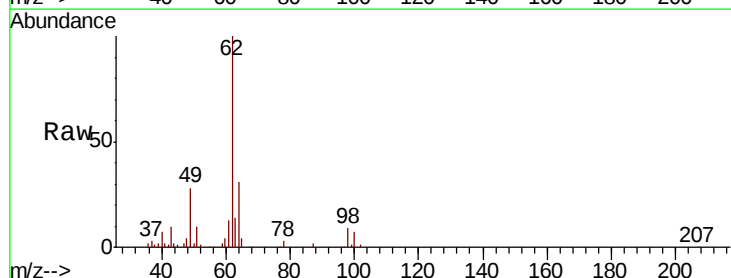
Manual Integrations
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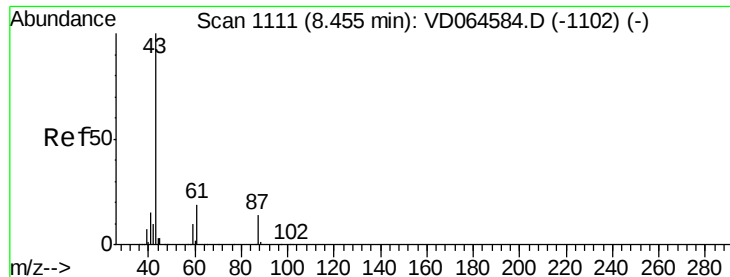
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#42
1,2-Dichloroethane
Concen: 21.832 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	62	Resp	101354
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





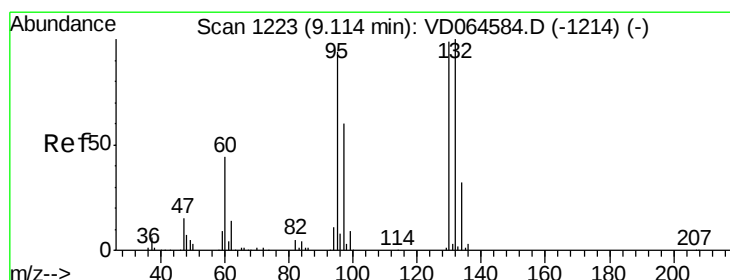
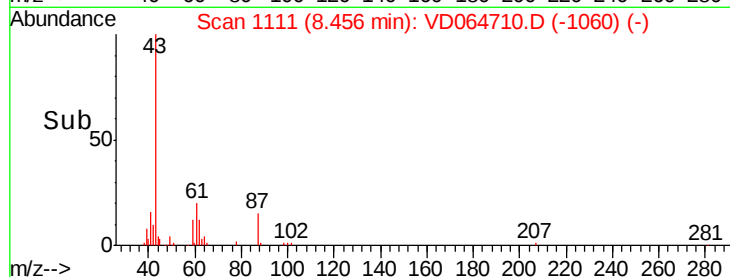
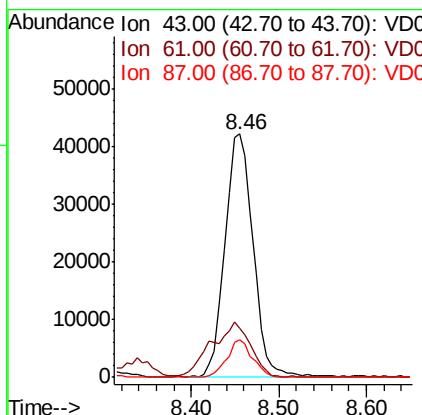
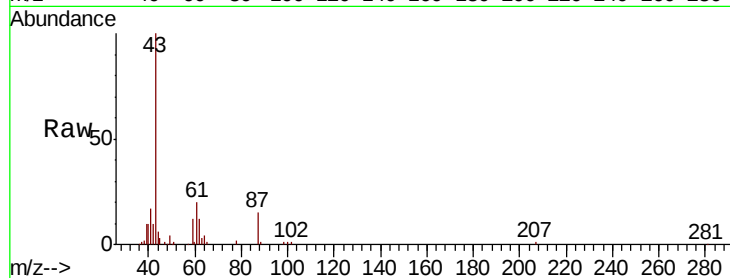
#43
Isopropyl Acetate
Concen: 20.315 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	23.7	35.5
87	13.8	10.5	15.7

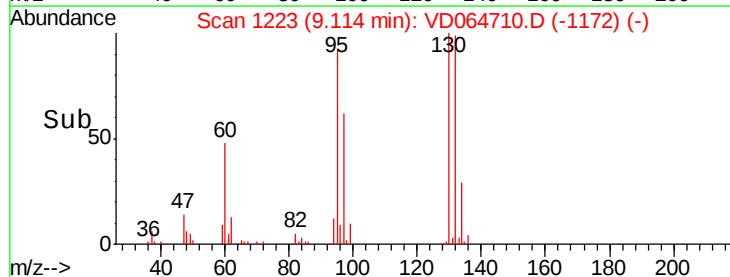
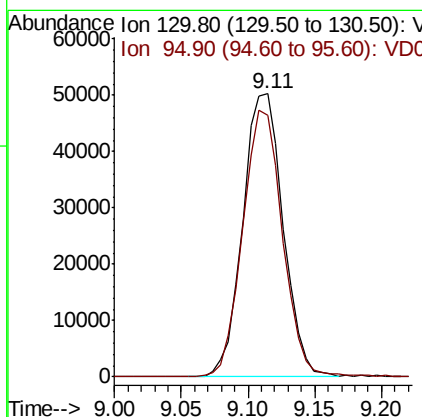
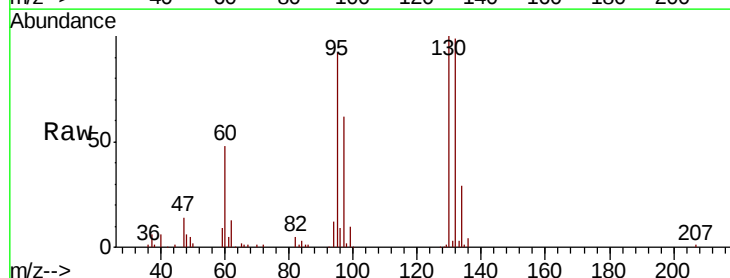
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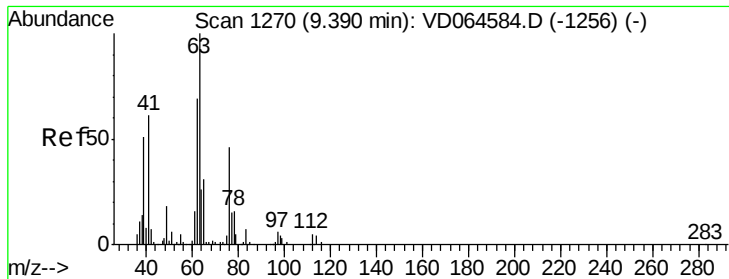
apatel
1/3/2020 11:10:16 AM



#44
Trichloroethene
Concen: 22.257 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	190.2





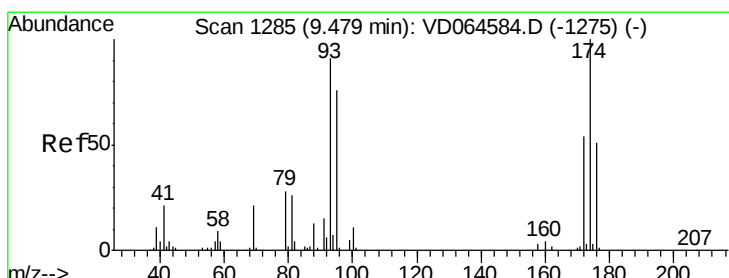
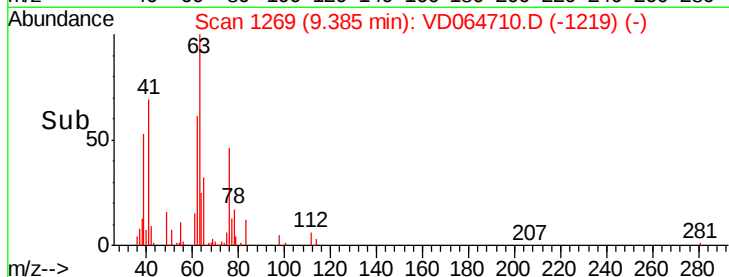
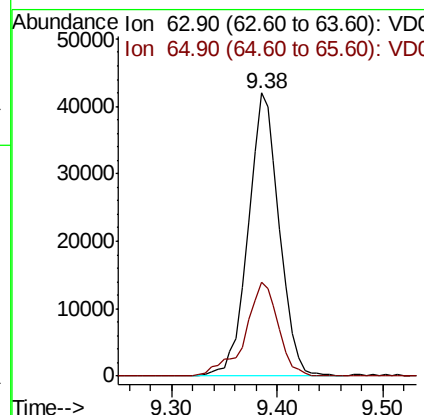
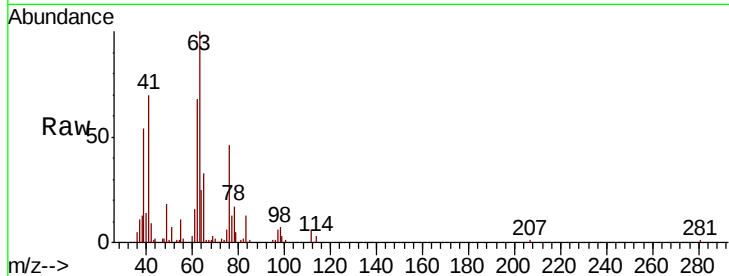
#45
 1,2-Dichloropropane
 Concen: 22.280 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion: 63 Resp: 85461
 Ion Ratio Lower Upper
 63 100
 65 33.1 25.2 37.8

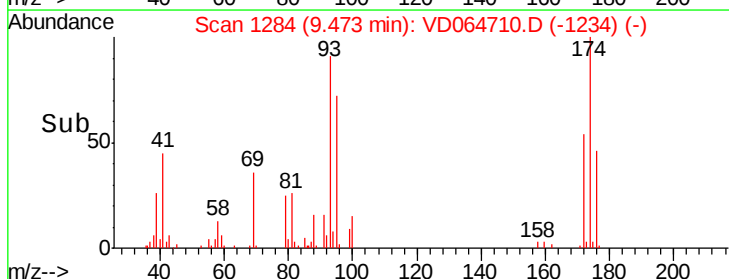
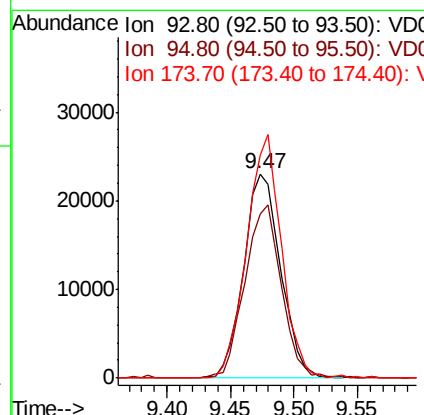
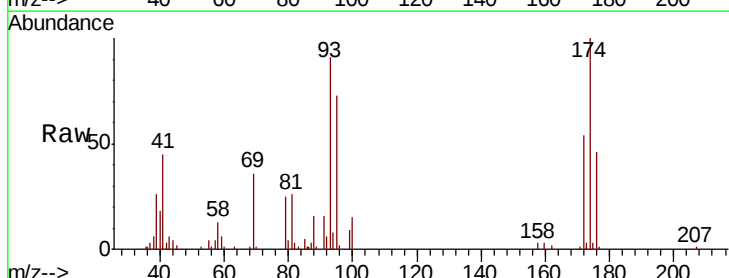
Manual Integrations
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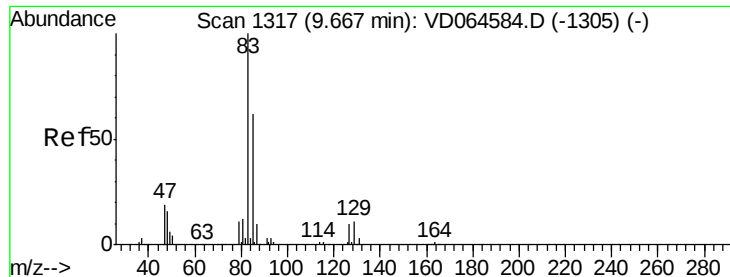
apatel
 1/3/2020 11:10:16 AM



#46
 Dibromomethane
 Concen: 21.862 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion: 93 Resp: 46755
 Ion Ratio Lower Upper
 93 100
 95 83.7 64.6 97.0
 174 112.0 88.1 132.1





#47

Bromodichloromethane

Concen: 22.032 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

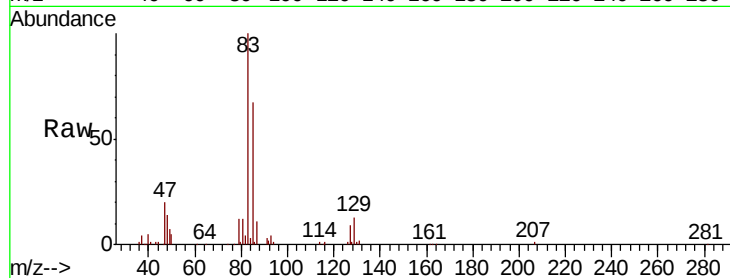
ClientSampleId :

VD0102SBS01

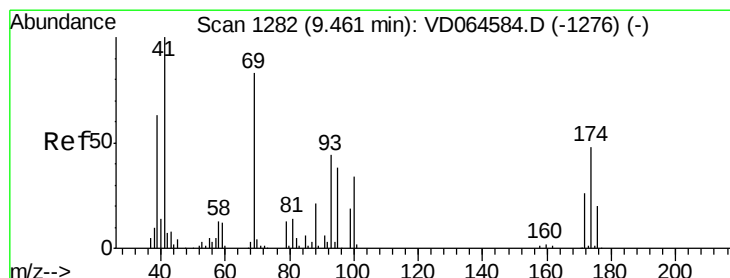
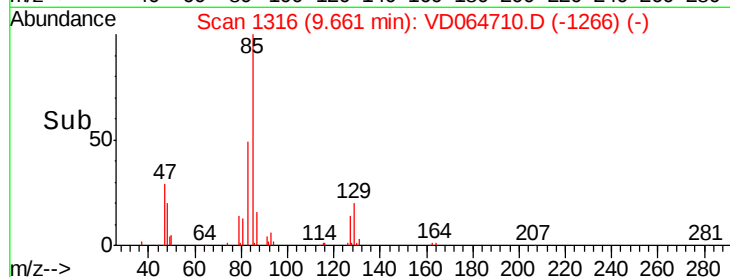
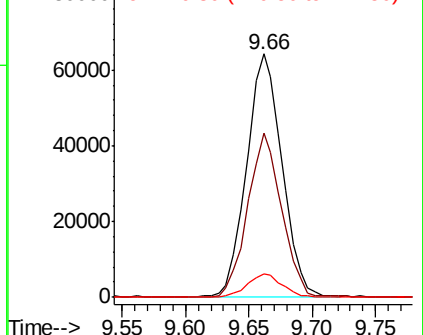
Tot Ion:	83	Resp:	125377
Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.5	74.3
127	9.5	7.8	11.6

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.410 ug/l

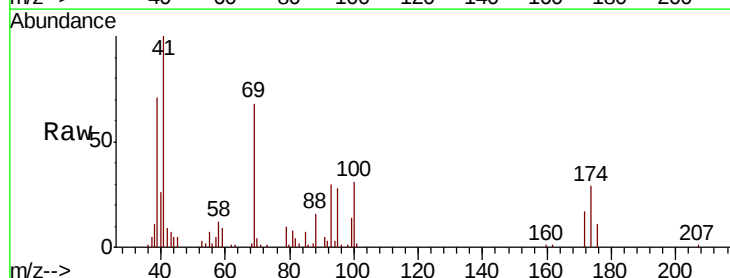
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

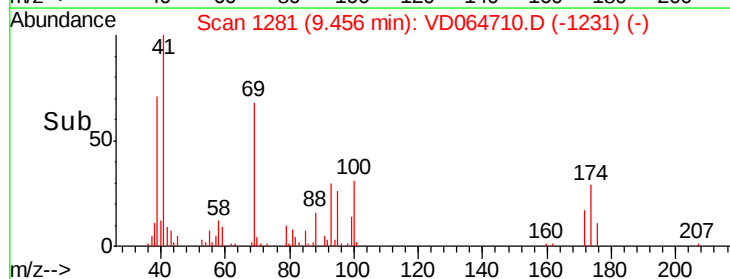
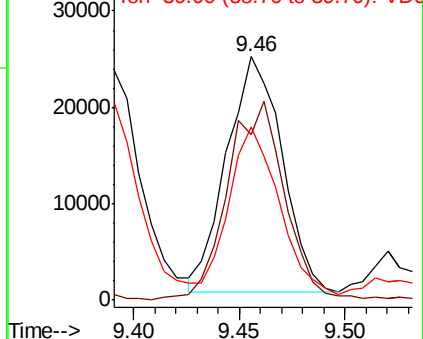
Lab File: VD064710.D

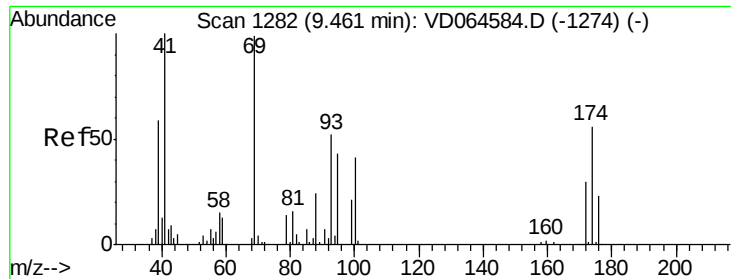
Acq: 02 Jan 2020 11:42

Tgt Ion:	41	Resp:	44224
Ion	Ratio	Lower	Upper
41	100		
69	88.2	63.0	94.6
39	70.6	47.4	71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





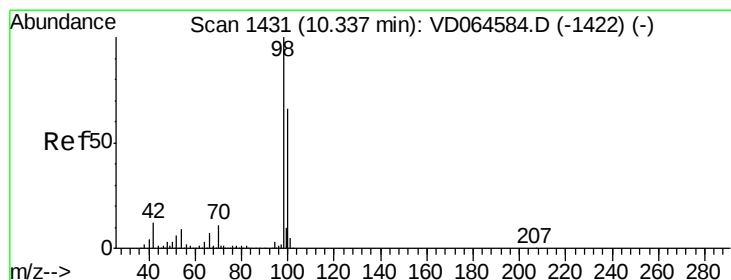
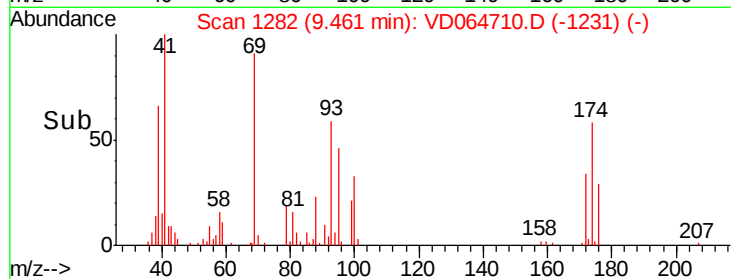
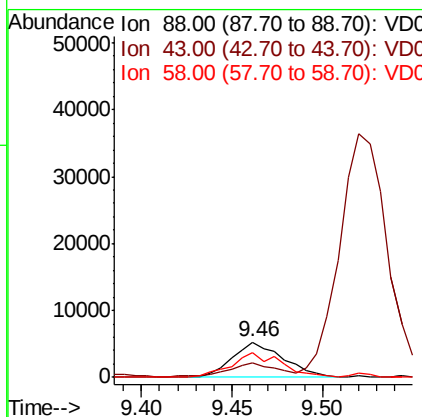
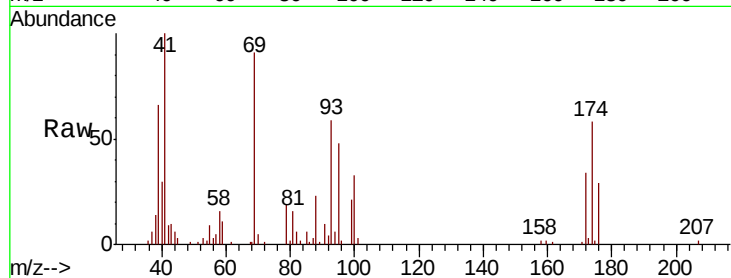
#49
1,4-Dioxane
Concen: 413.796 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	27.7	41.5
58	70.4	53.8	80.6

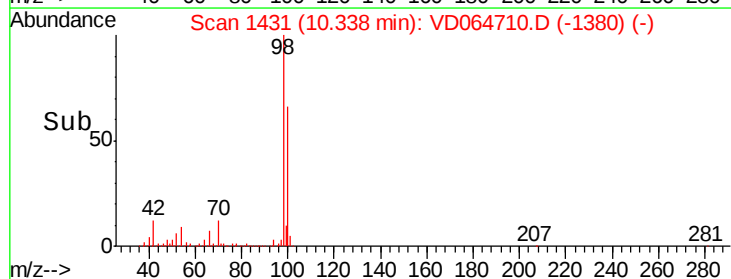
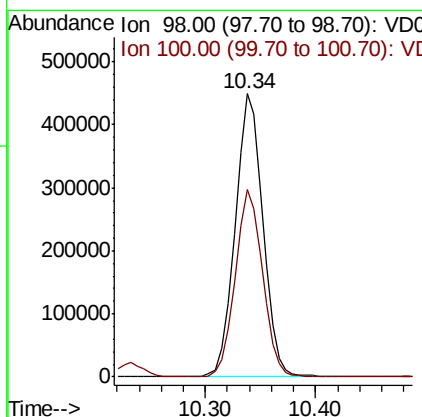
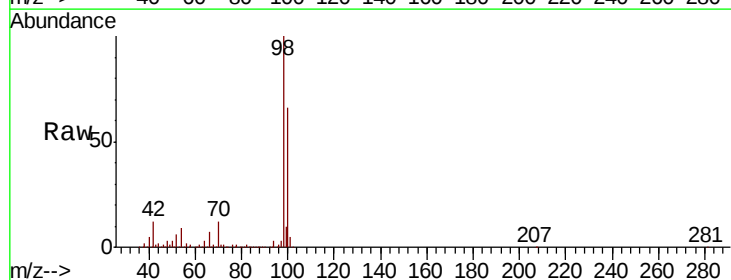
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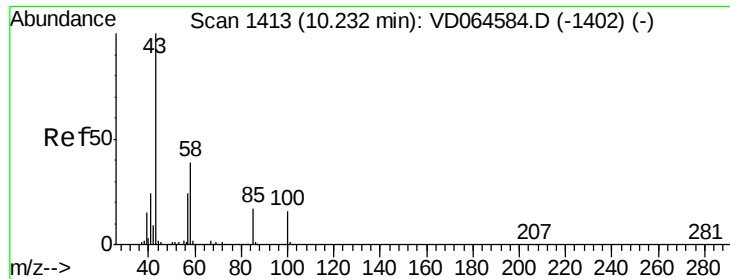
apatel
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#50
Toluene-d8
Concen: 55.134 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 102.143 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleID :

VD0102SBS01

Tot Ion: 43 Resp: 232326

Ion Ratio Lower Upper

43 100

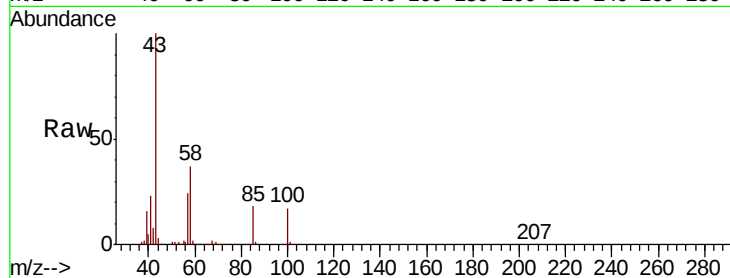
58 37.6 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

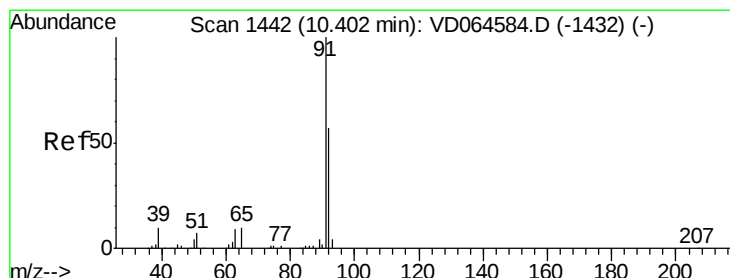
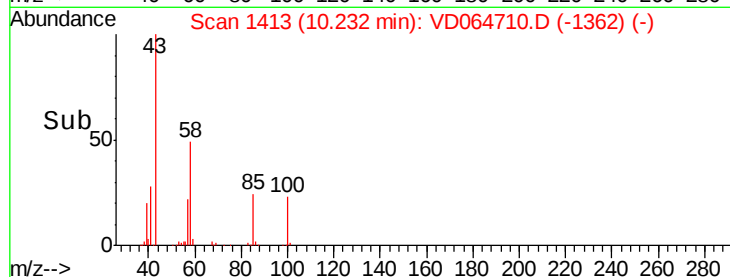
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.493 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064710.D

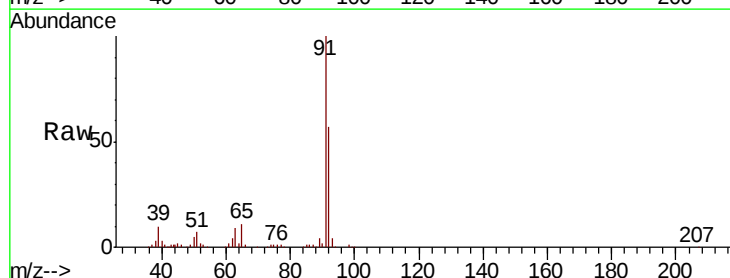
Acq: 02 Jan 2020 11:42

Tgt Ion: 92 Resp: 237081

Ion Ratio Lower Upper

92 100

91 172.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

250000

200000

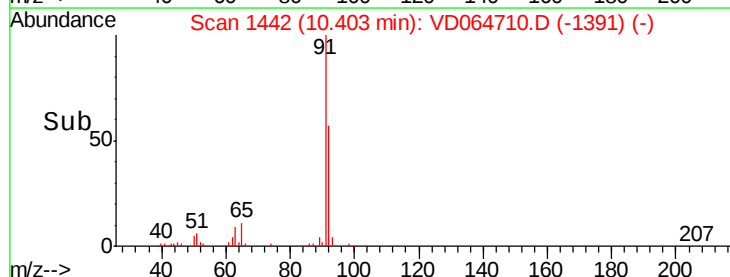
150000

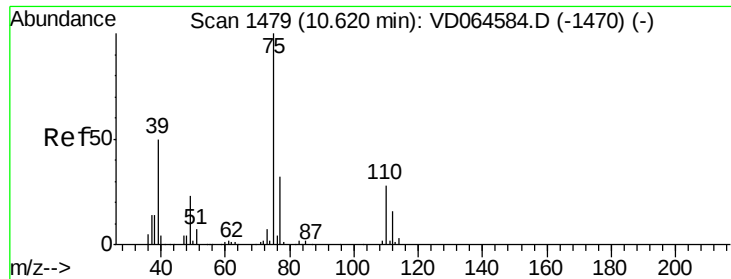
100000

50000

0

Time-->





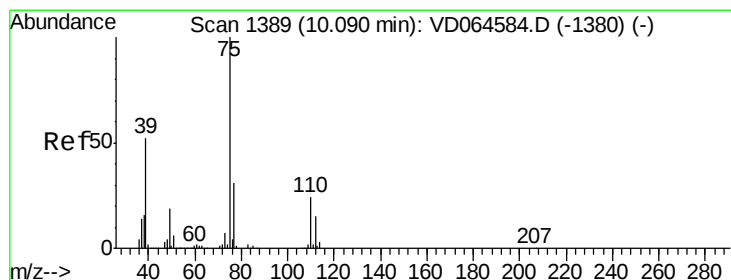
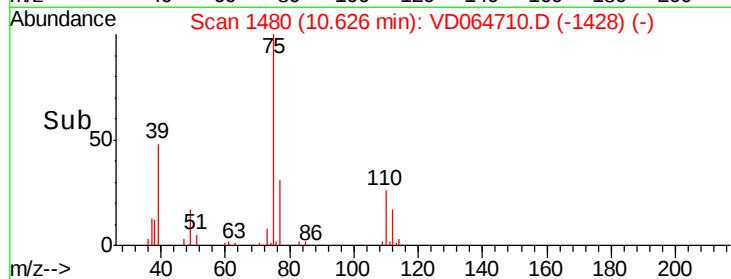
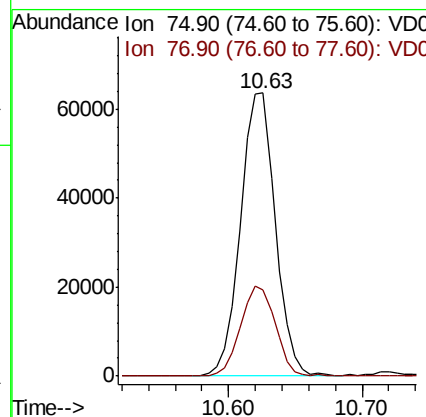
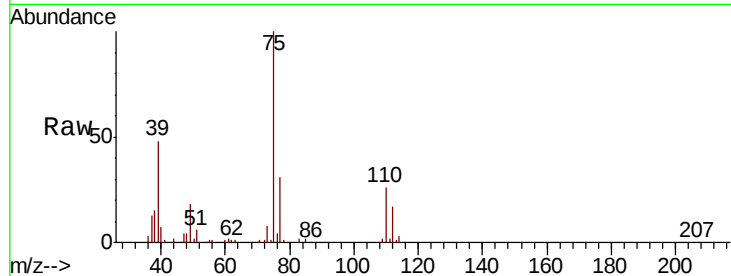
#53
t-1,3-Dichloropropene
Concen: 21.668 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion: 75 Resp: 114959
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.2

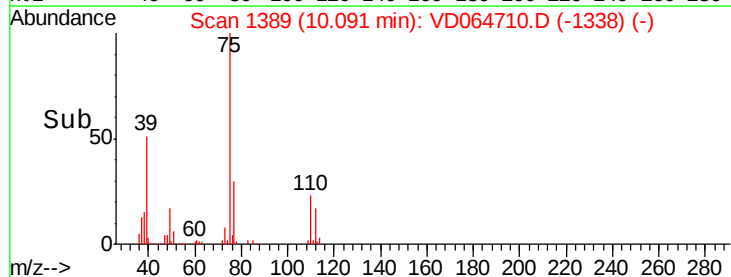
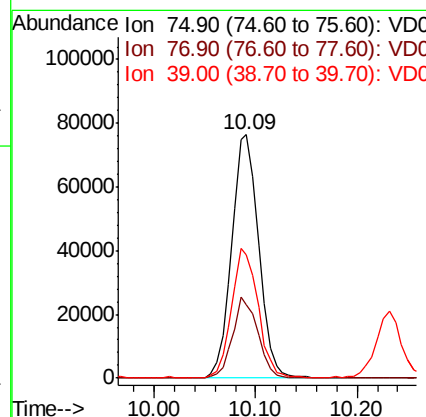
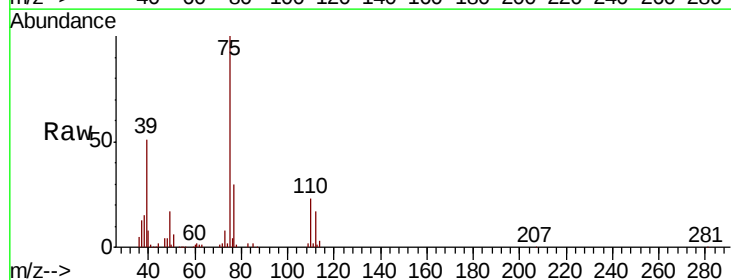
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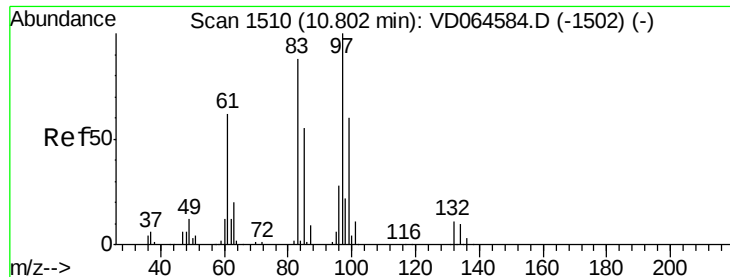
apatel
1/3/2020 11:10:16 AM



#54
cis-1,3-Dichloropropene
Concen: 22.544 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 75 Resp: 141038
Ion Ratio Lower Upper
75 100
77 30.1 24.6 36.8
39 50.8 41.4 62.2





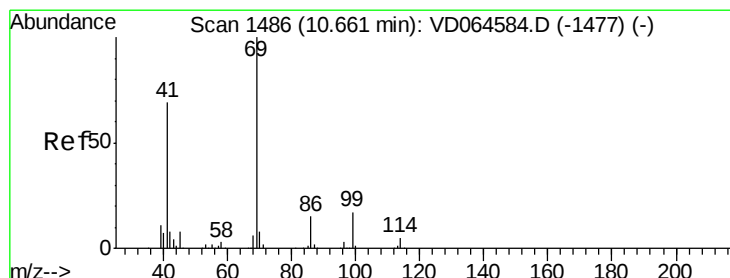
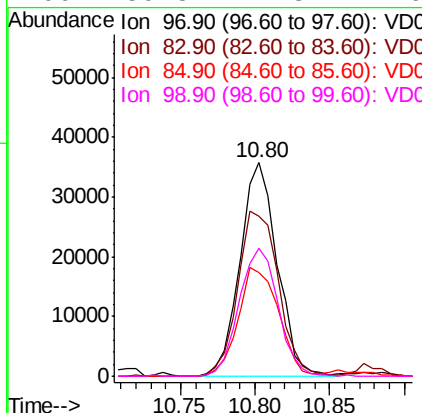
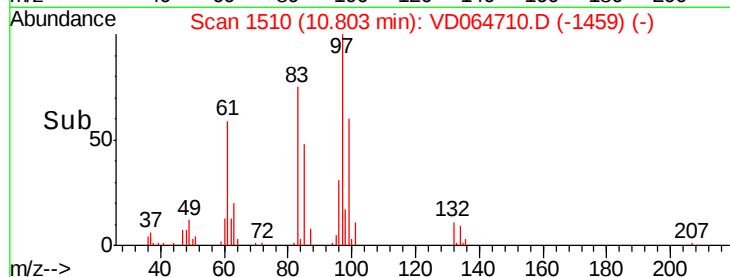
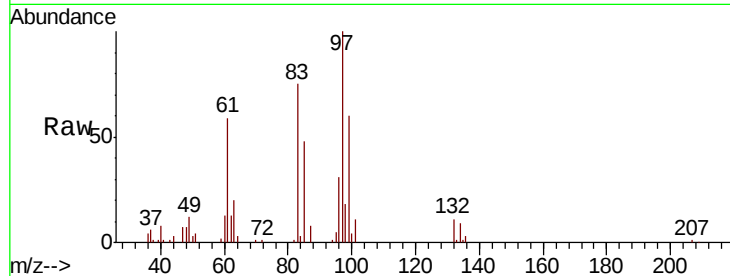
#55
 1,1,2-Trichloroethane
 Concen: 21.439 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	74.9	70.2	105.4
85	48.3	44.0	66.0
99	59.8	47.8	71.6

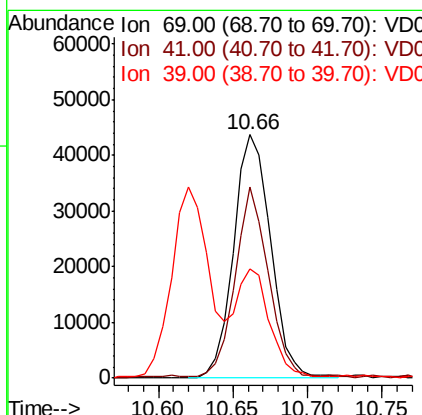
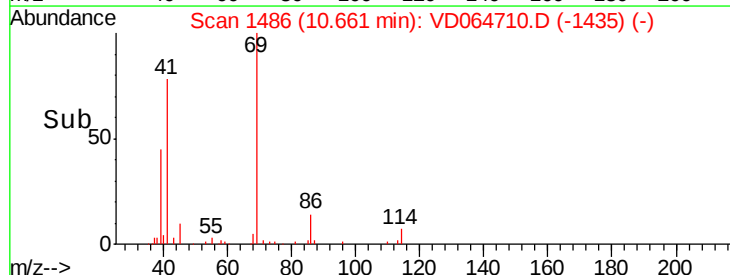
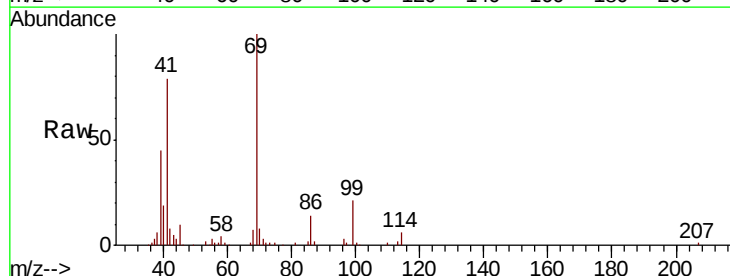
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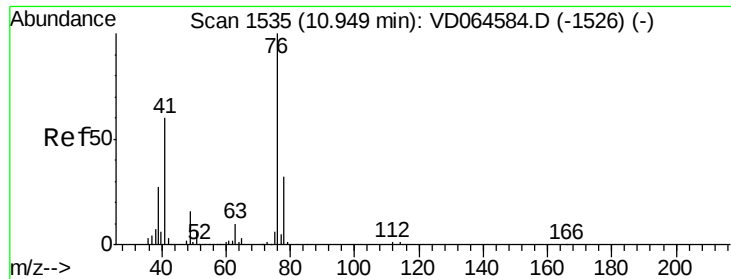
apatel
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#56
 Ethyl methacrylate
 Concen: 20.978 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.3	82.9
39	40.2	33.8	50.8





#57

1,3-Dichloropropane

Concen: 21.598 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 76 Resp: 107177

Ion Ratio Lower Upper

76 100

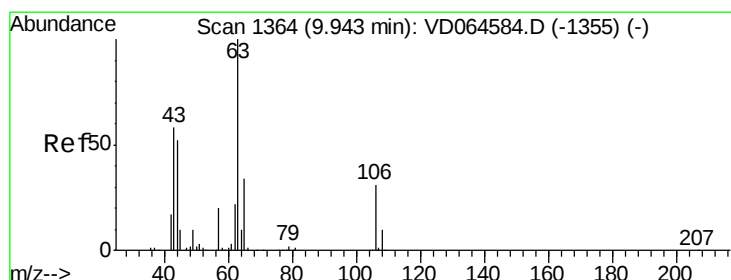
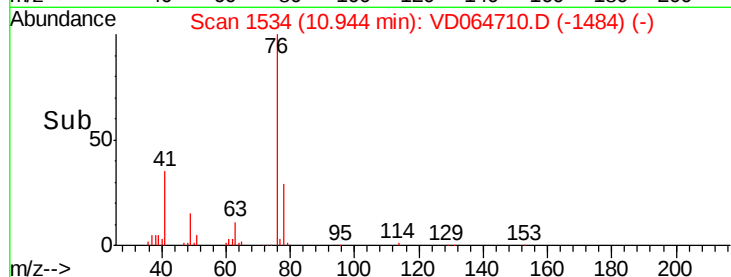
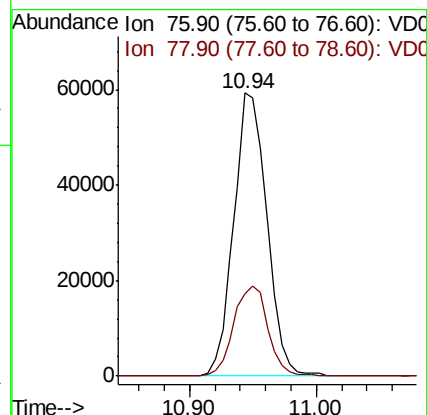
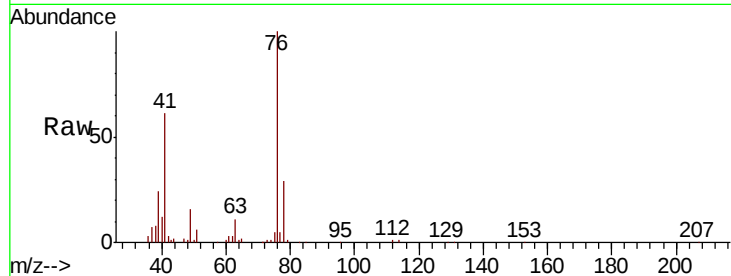
78 32.8 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 109.355 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064710.D

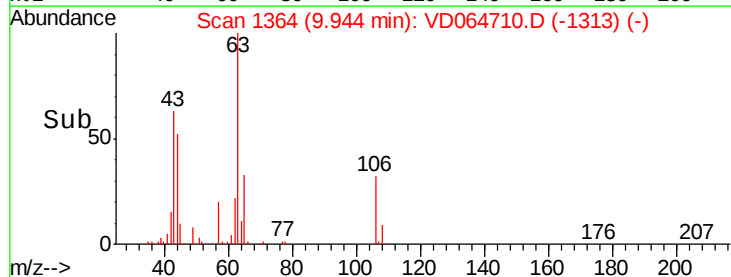
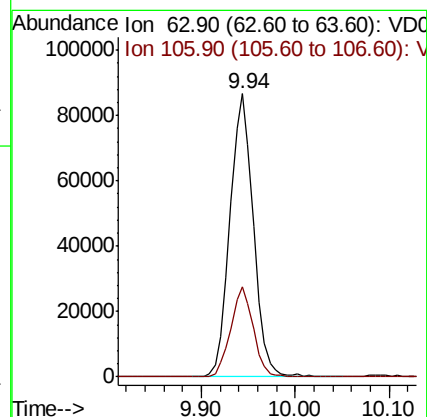
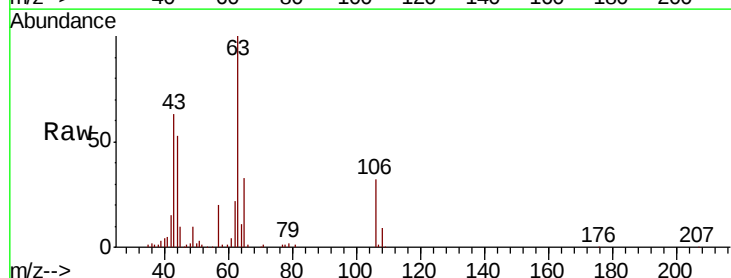
Acq: 02 Jan 2020 11:42

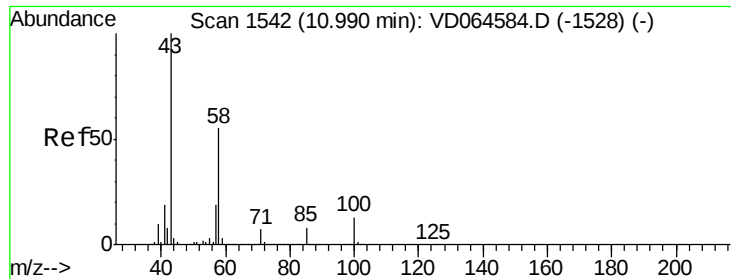
Tgt Ion: 63 Resp: 149963

Ion Ratio Lower Upper

63 100

106 30.7 23.8 35.8





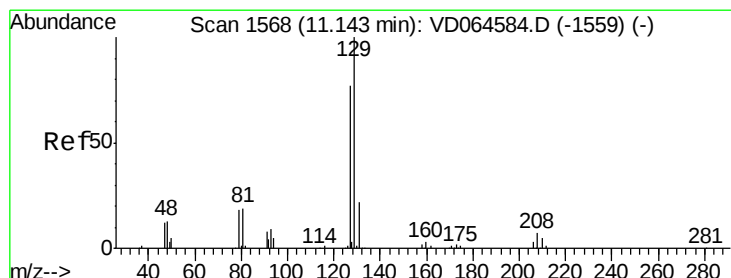
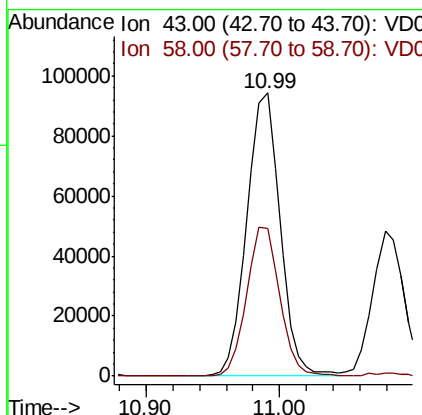
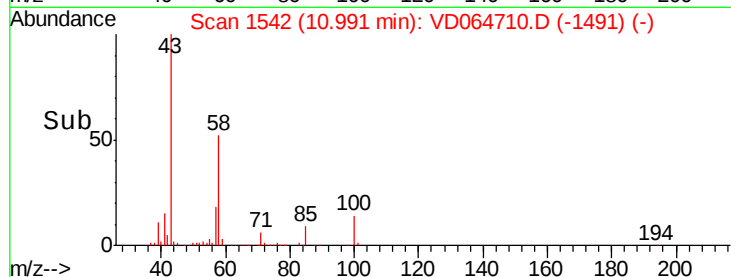
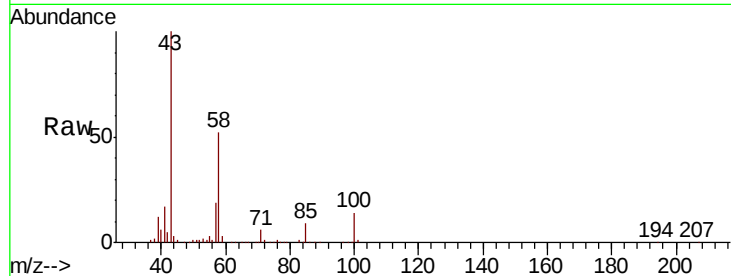
#59
2-Hexanone
Concen: 105.578 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion: 43 Resp: 162987
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0

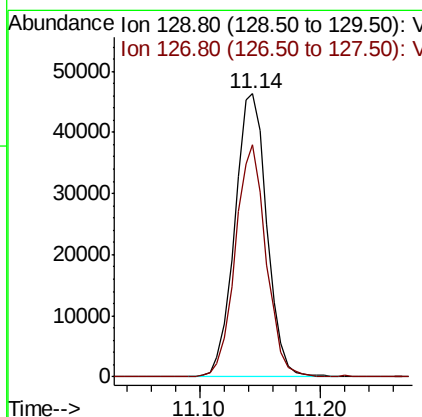
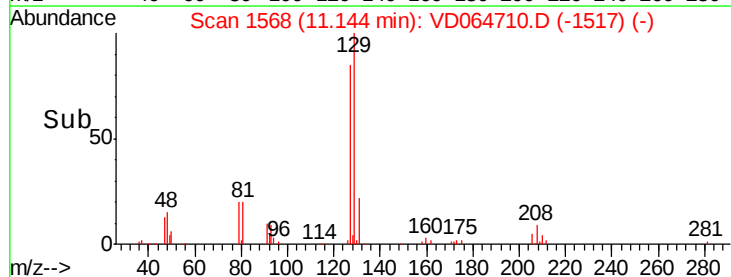
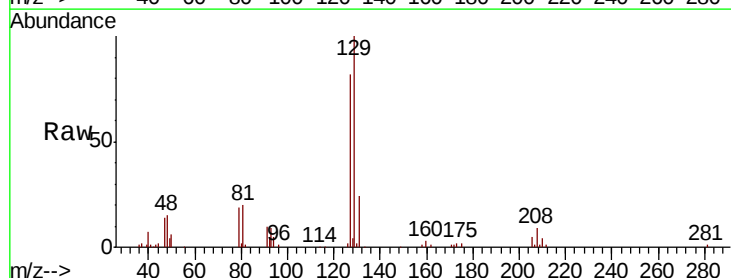
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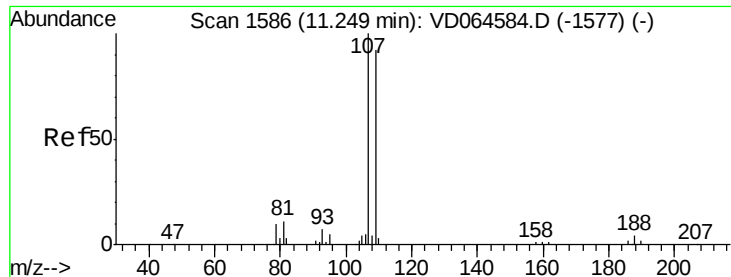
apatel
1/3/2020 11:10:16 AM



#60
Dibromochloromethane
Concen: 21.546 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 129 Resp: 85873
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2





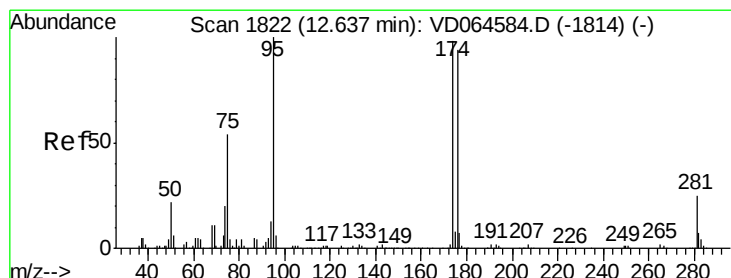
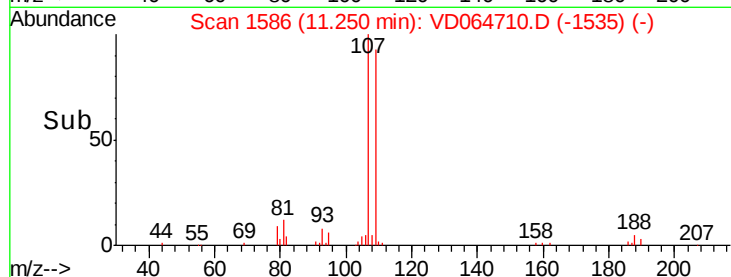
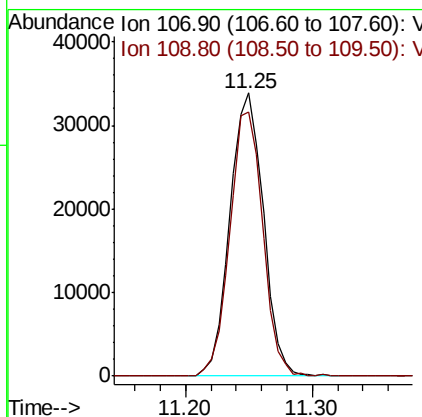
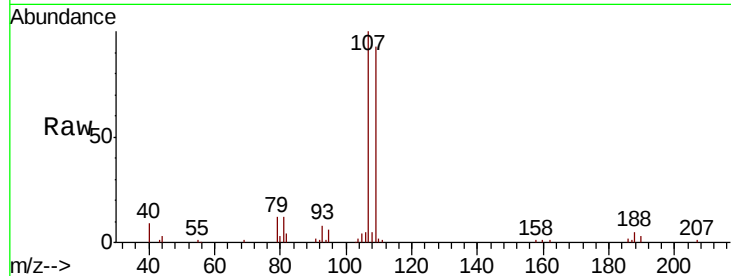
#61
 1,2-Dibromoethane
 Concen: 21.706 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.6	113.4

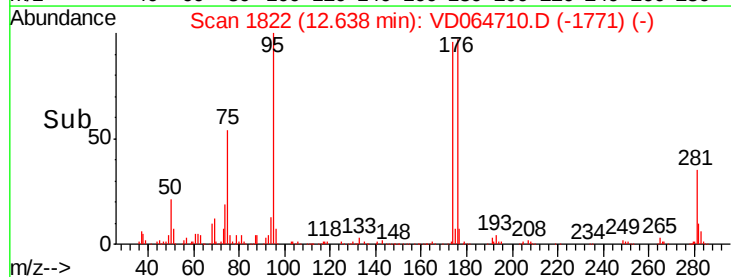
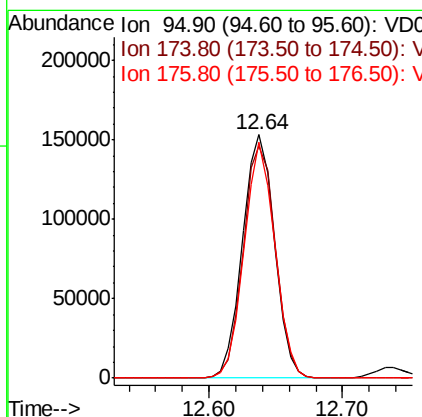
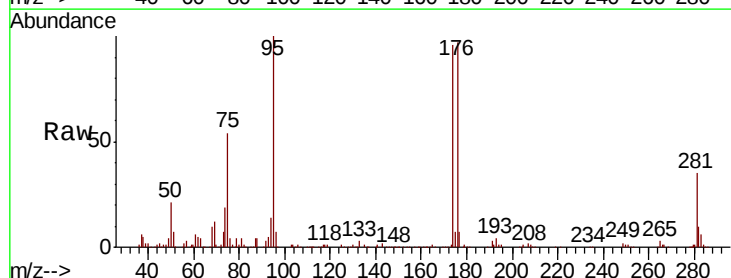
Manual Integrations
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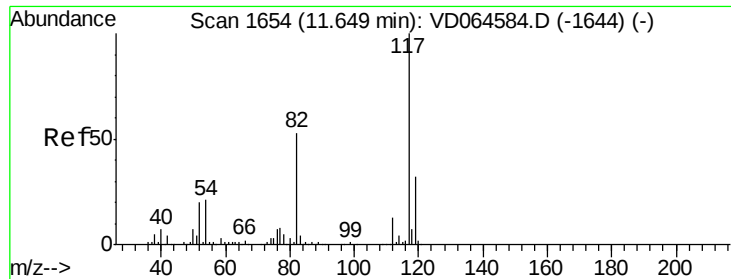
apatel
 1/3/2020 11:10:16 AM



#62
 4-Bromofluorobenzene
 Concen: 55.711 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	193.2
176	93.0	0.0	184.2





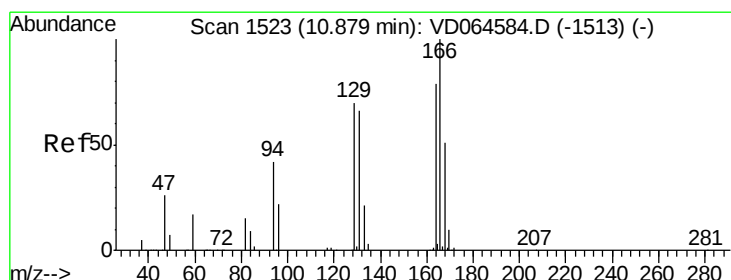
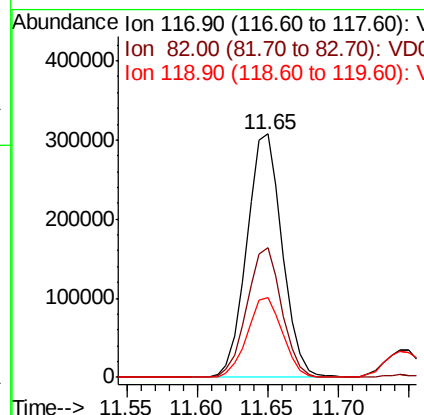
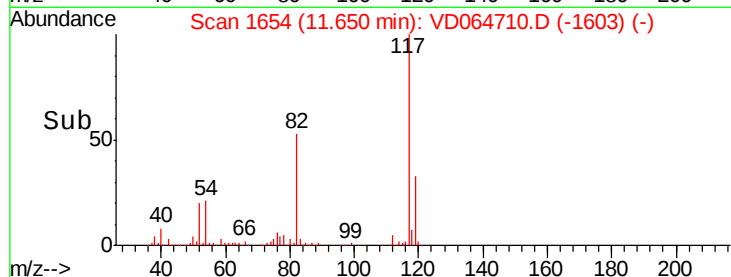
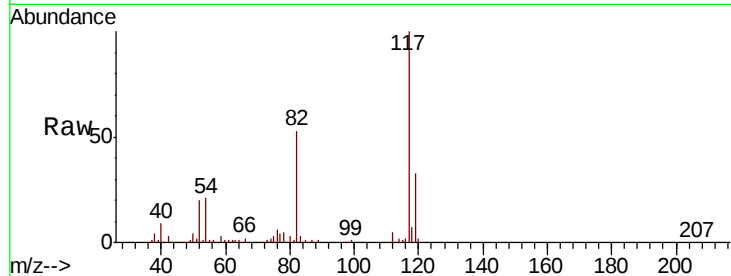
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	540390		
82	53.4		42.2	63.4
119	32.8		26.0	39.0

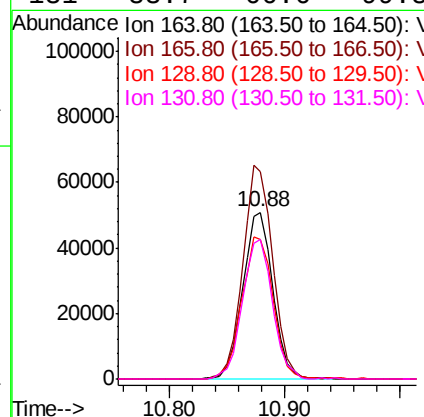
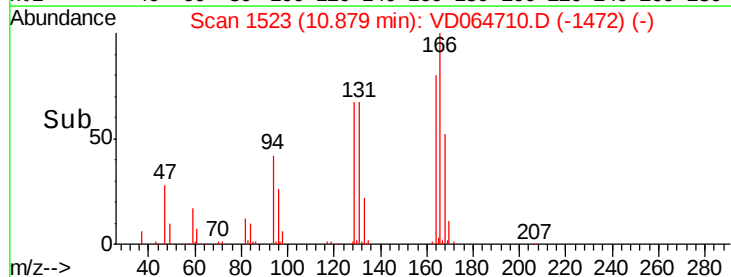
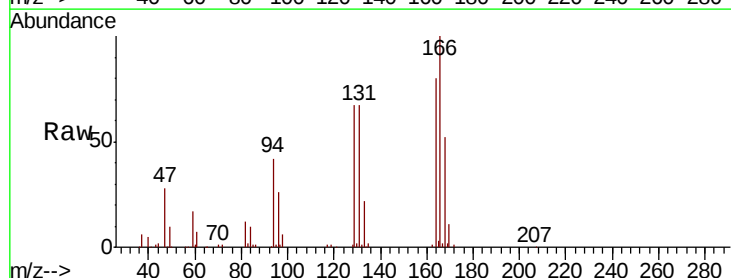
Manual Integrations
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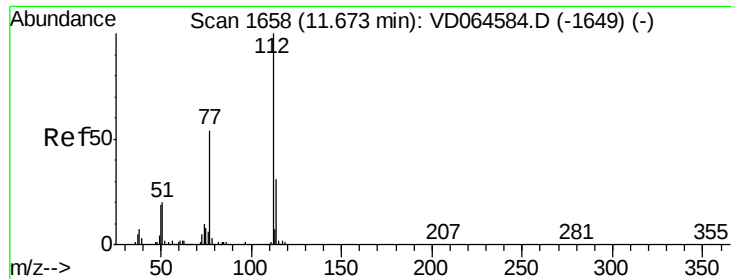
apatel
1/3/2020 11:10:16 AM



#64
Tetrachloroethene
Concen: 22.175 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91932		
166	124.6		101.3	151.9
129	83.8		70.5	105.7
131	83.7		66.6	99.8





#65

Chlorobenzene

Concen: 22.259 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion:112 Resp: 249652

Ion Ratio Lower Upper

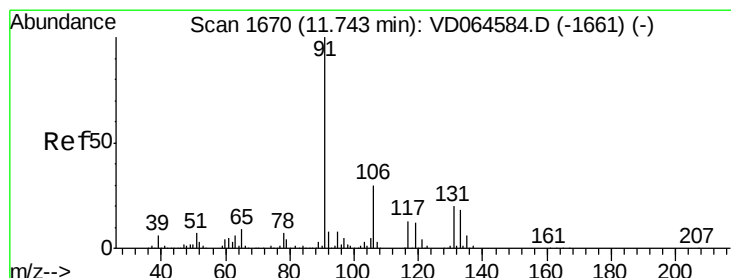
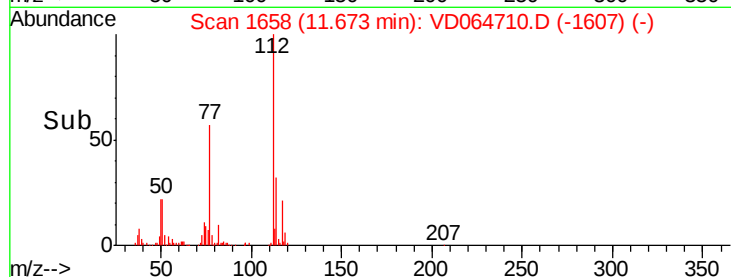
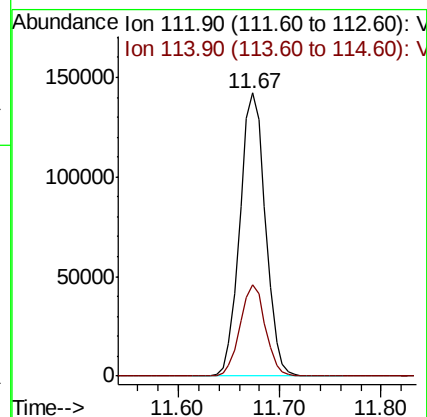
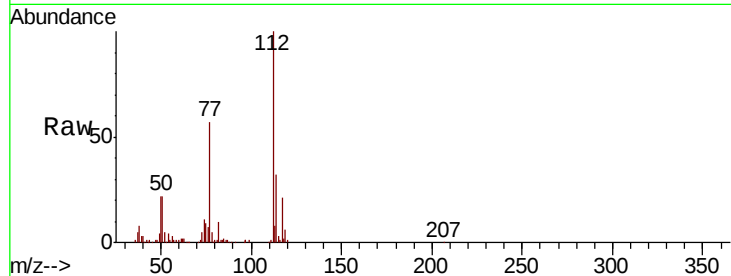
112 100

114 32.4 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.514 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

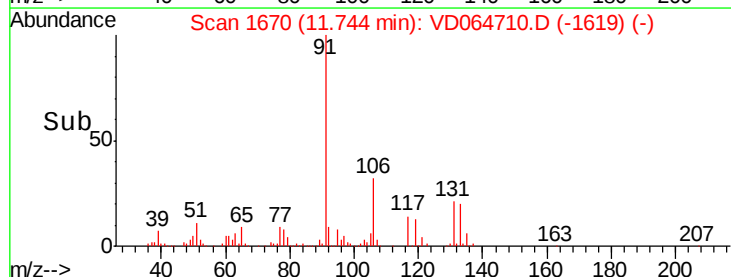
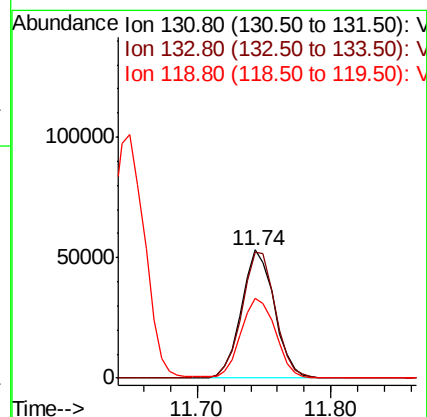
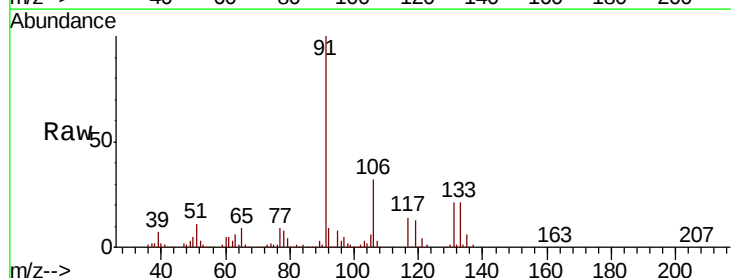
Tgt Ion:131 Resp: 90965

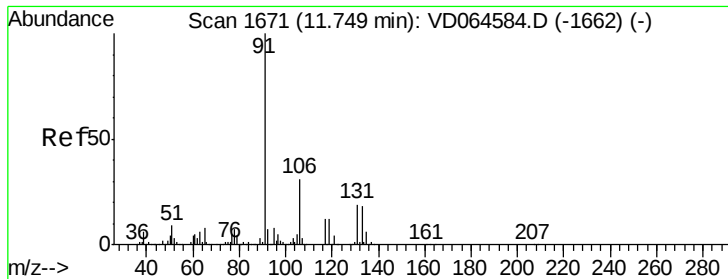
Ion Ratio Lower Upper

131 100

133 100.7 48.3 144.8

119 66.2 32.1 96.3





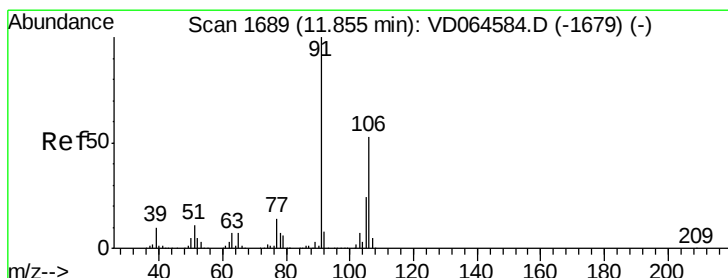
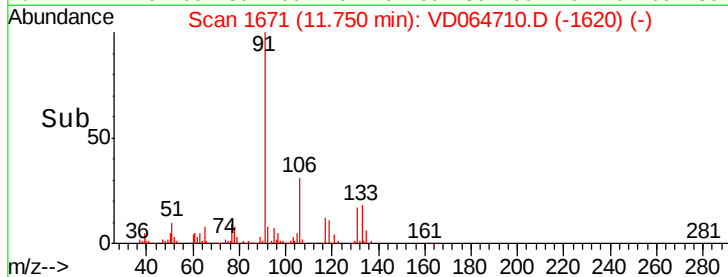
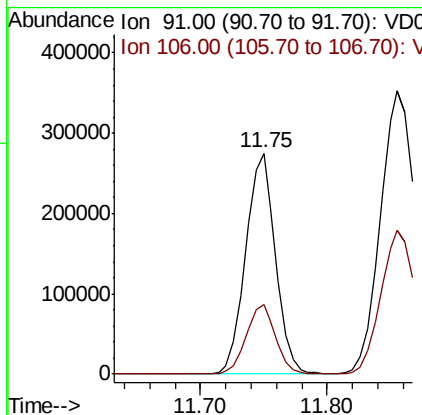
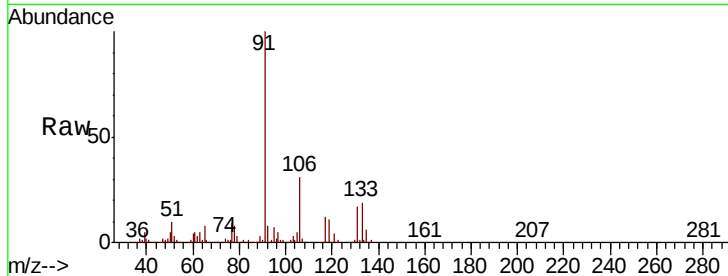
#67
Ethyl Benzene
Concen: 22.089 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion: 91 Resp: 449677
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

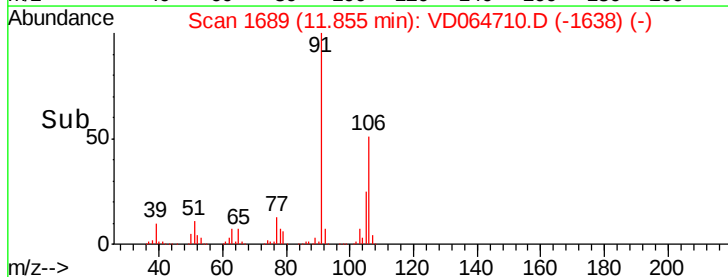
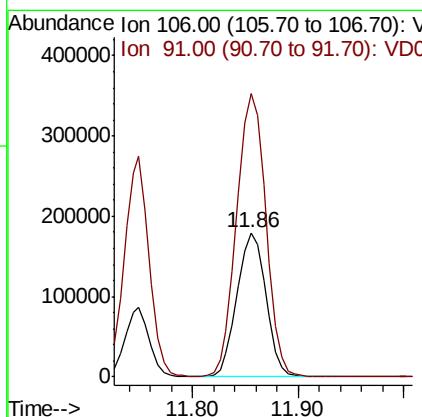
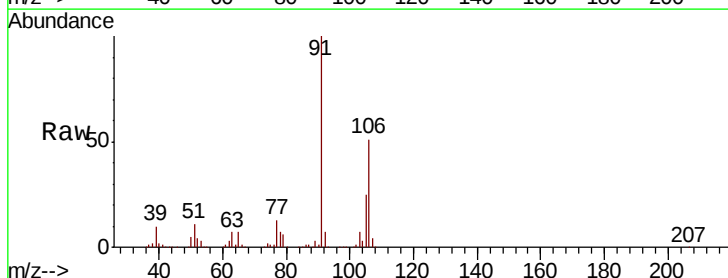
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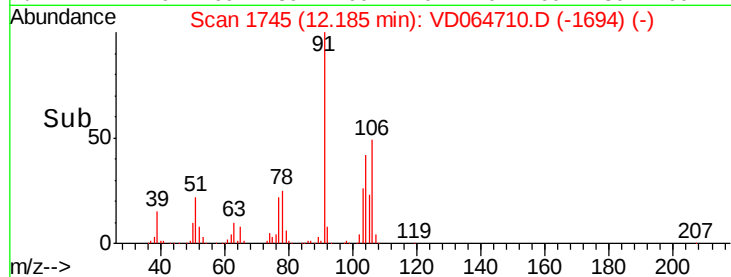
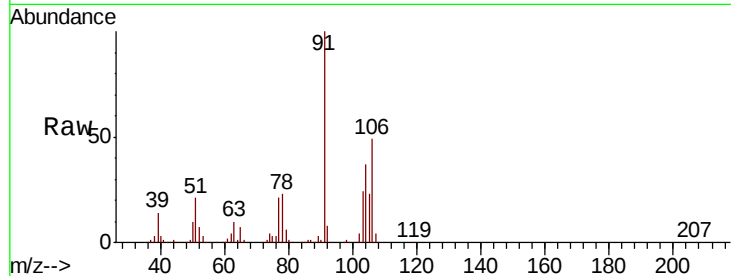
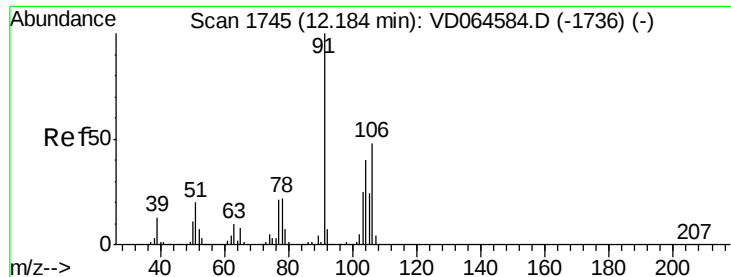
apatel
1/3/2020 11:10:16 AM



#68
m/p-Xylenes
Concen: 43.564 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion: 106 Resp: 342302
Ion Ratio Lower Upper
106 100
91 198.4 156.3 234.5





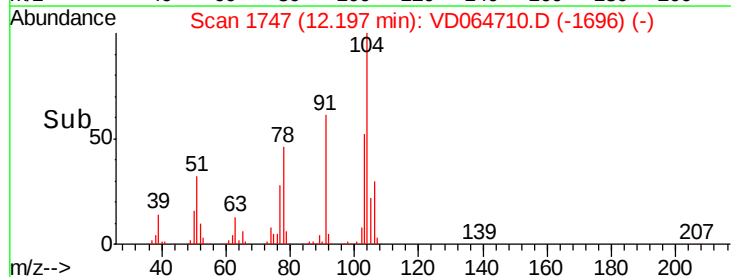
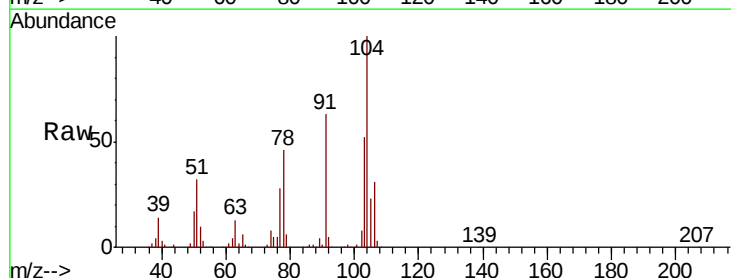
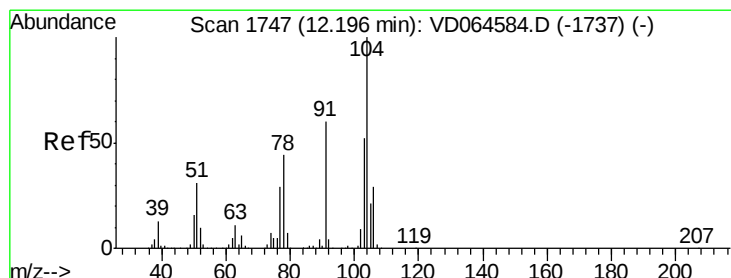
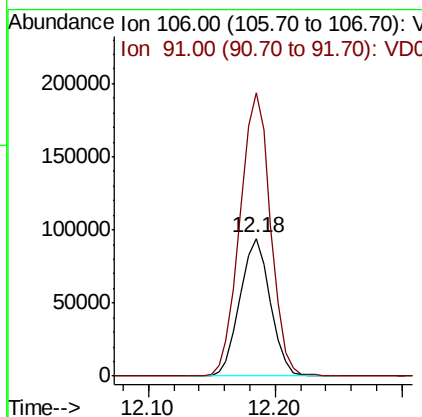
#69
o-Xylene
Concen: 22.091 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion:106 Resp: 156785
Ion Ratio Lower Upper
106 100
91 207.2 104.8 314.4

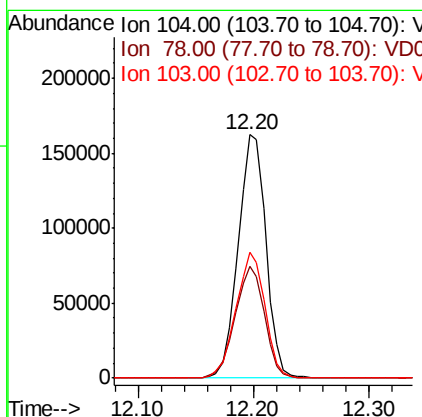
Manual Integrations
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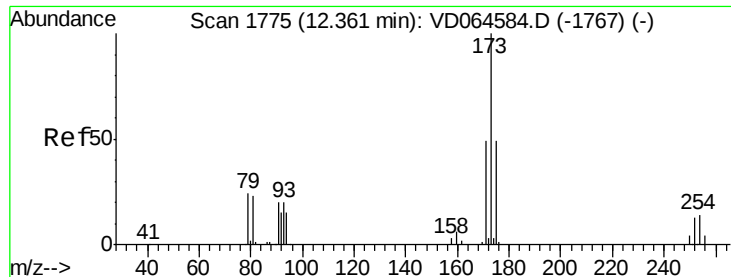
apatel
1/3/2020 11:10:16 AM



#70
Styrene
Concen: 21.679 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion:104 Resp: 270070
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 54.4 44.6 67.0





#71

Bromoform

Concen: 21.626 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

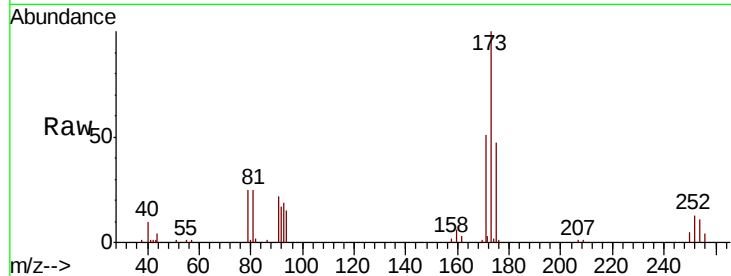
ClientSampleId :

VD0102SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
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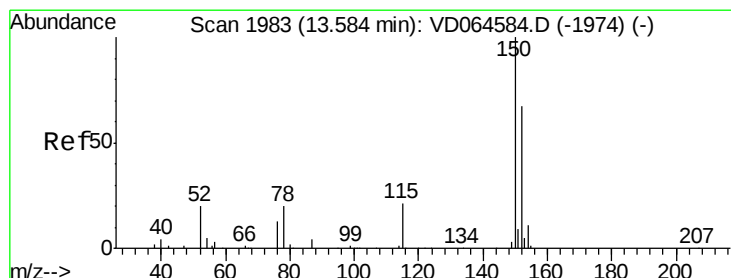
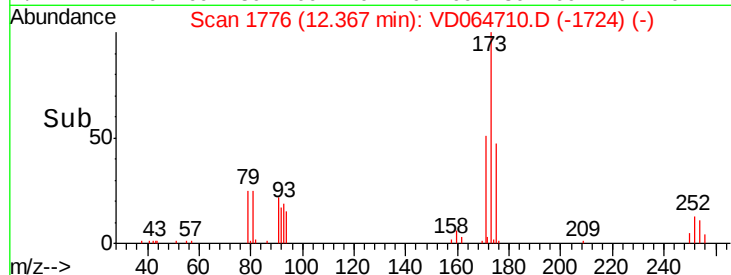
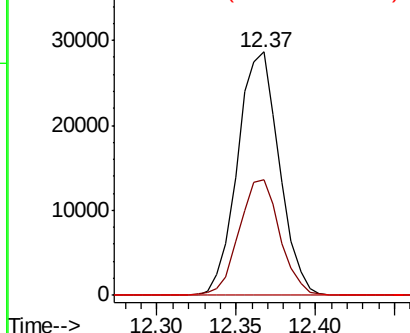


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

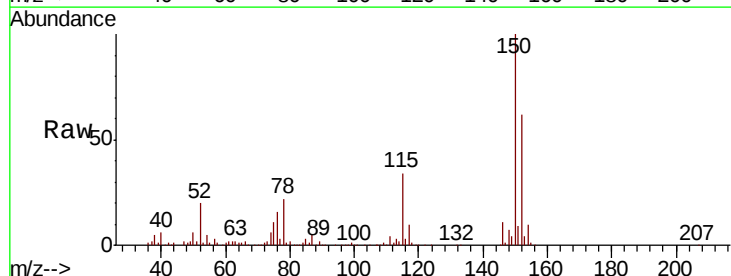
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.8	83.4
150	165.2	0.0	351.4

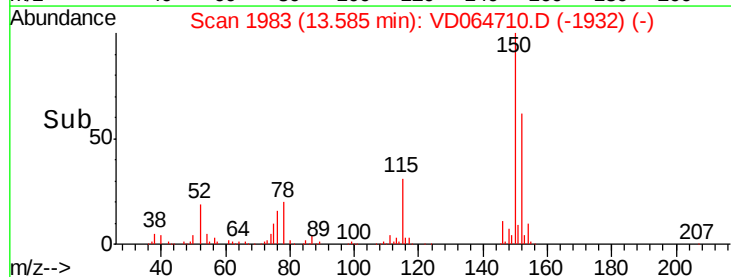
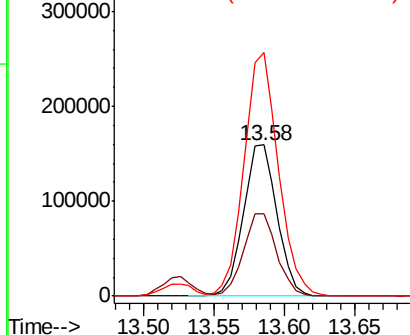


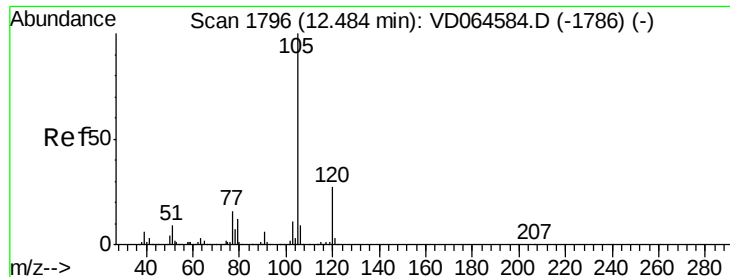
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.797 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 105 Resp: 432522

Ion Ratio Lower Upper

105 100

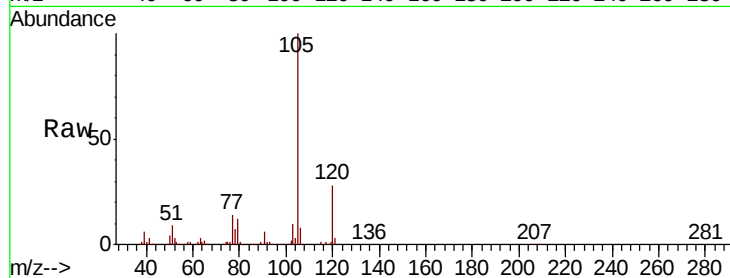
120 27.0 13.5 40.5

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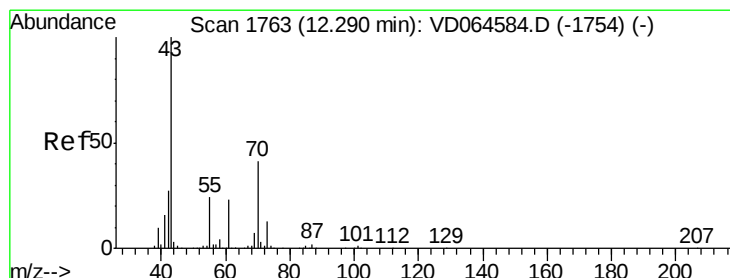
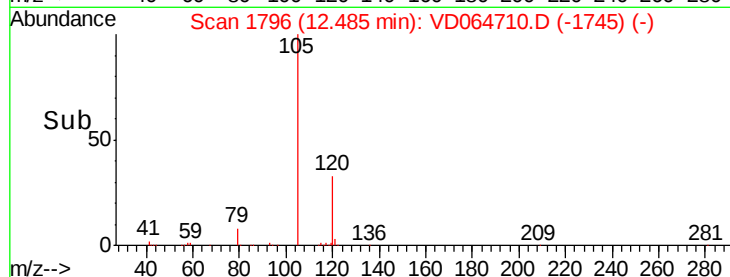
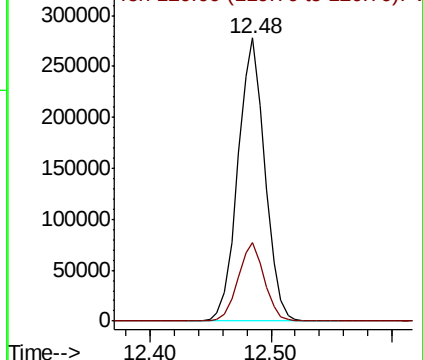
apatel

1/3/2020 11:10:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.056 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion: 43 Resp: 85398

Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 23.6 19.4 29.0

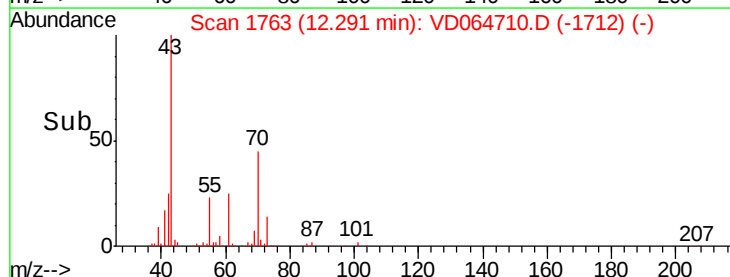
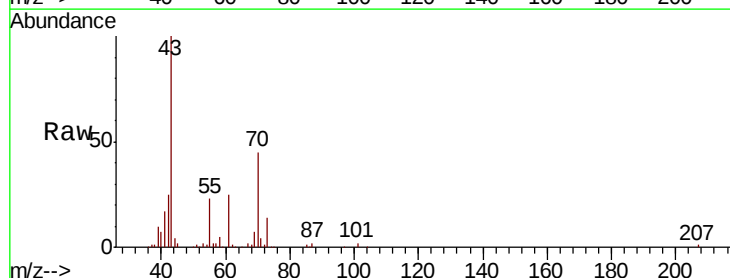
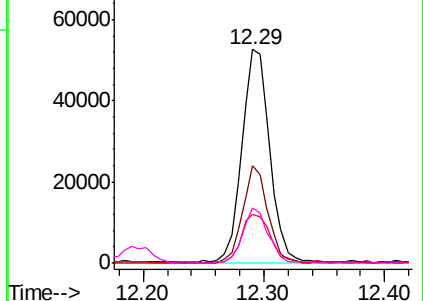
61 23.6 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.654 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

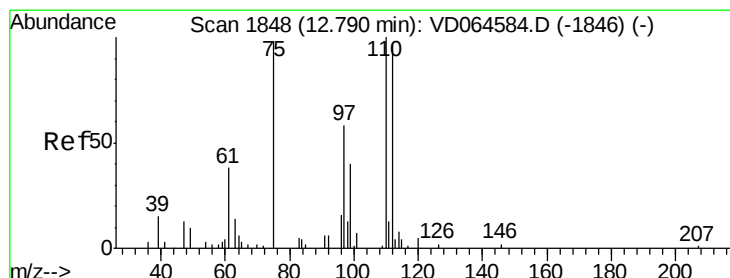
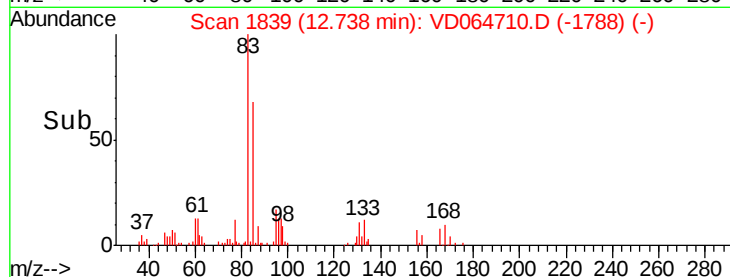
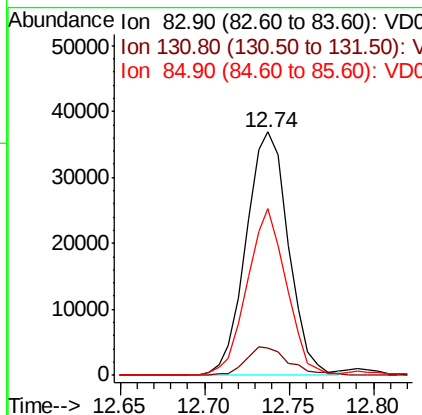
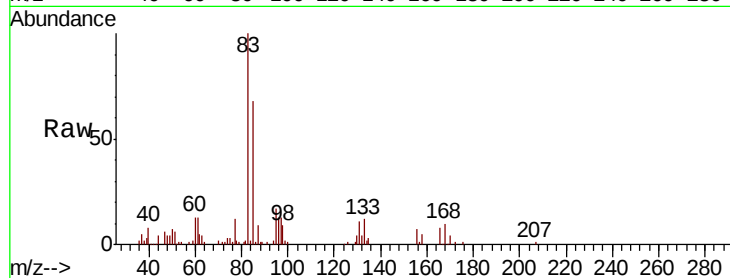
ClientSampleId :

VD0102SBS01

Tot Ion:	83	Resp:	64538
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.4
85	63.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 18.609 ug/l m

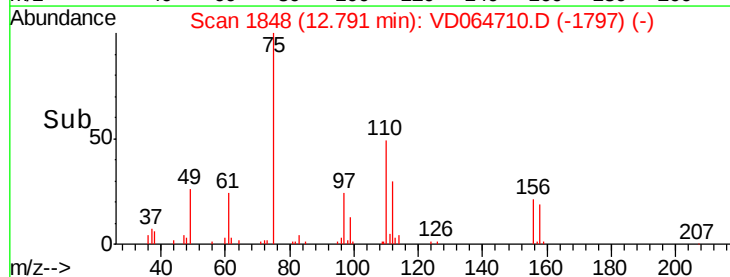
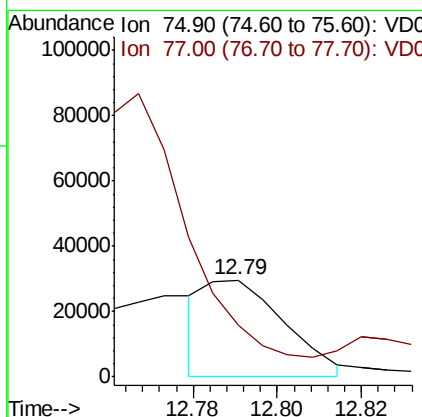
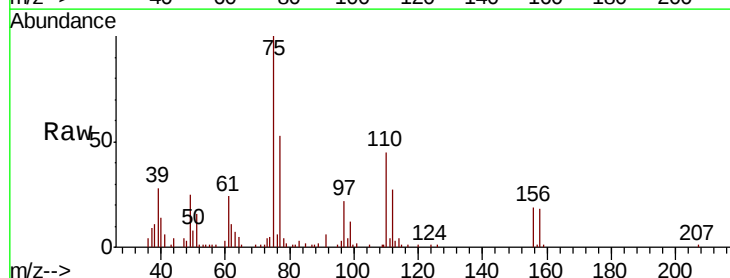
RT: 12.79 min Scan# 1848

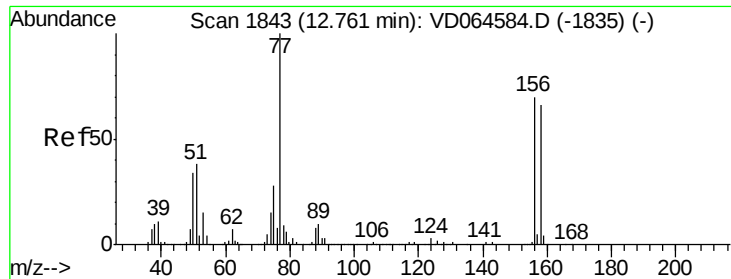
Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion:	75	Resp:	39013
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.661 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

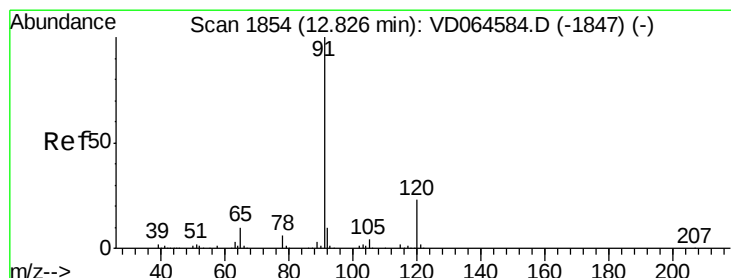
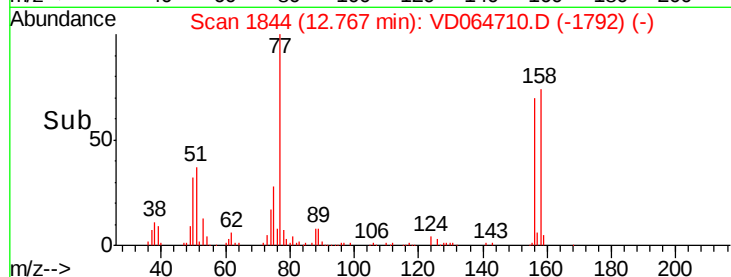
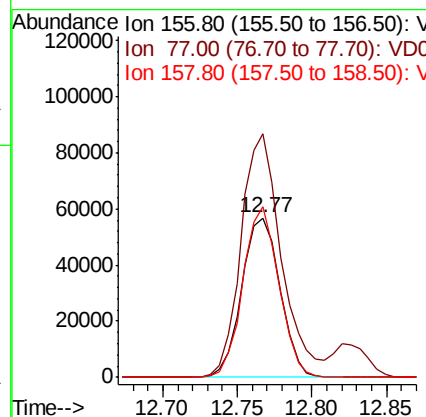
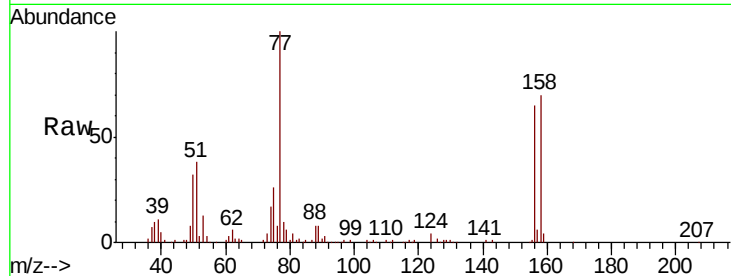
ClientSampleId :

VD0102SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.0	80.9	242.7
158	100.4	48.0	144.2

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#78

n-propylbenzene

Concen: 22.798 ug/l

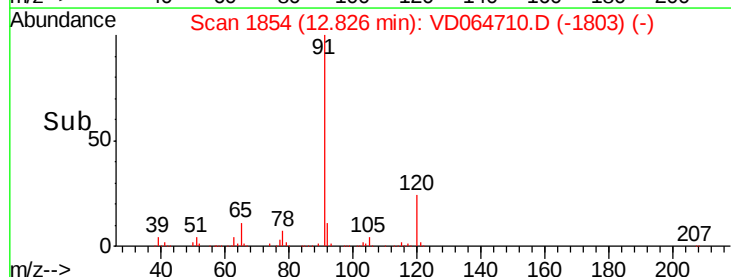
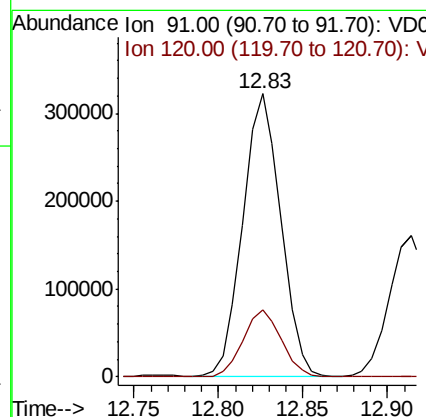
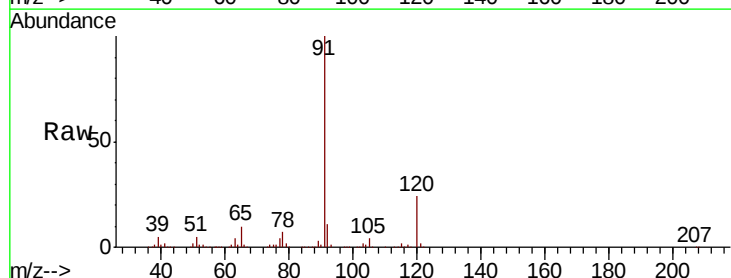
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064710.D

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Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 22.224 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 91 Resp: 270223

Ion Ratio Lower Upper

91 100

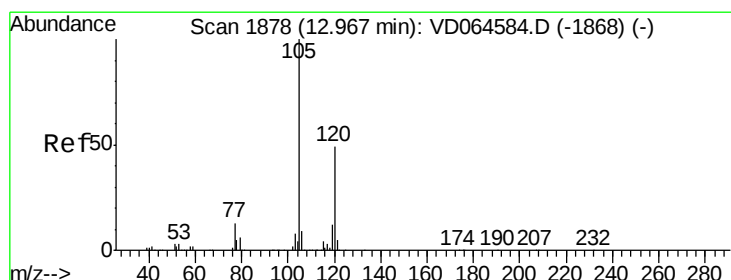
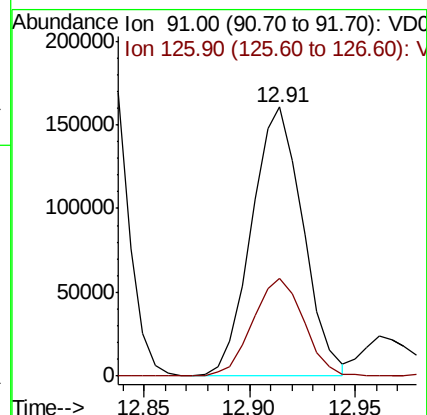
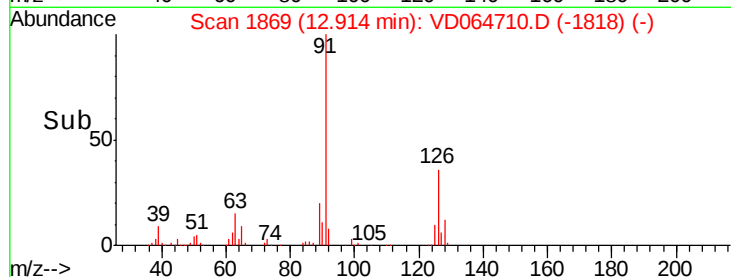
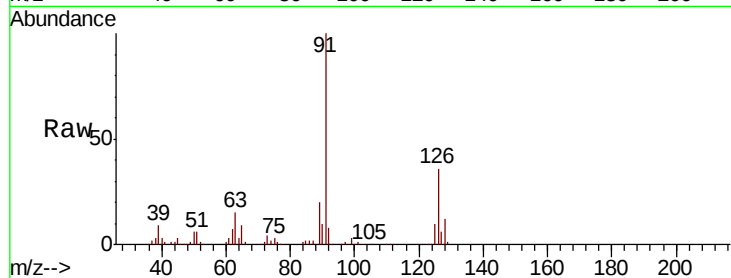
126 36.3 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 22.835 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064710.D

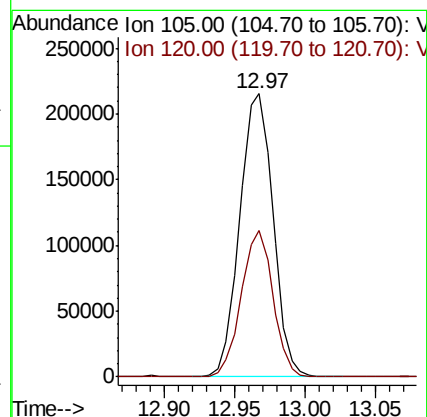
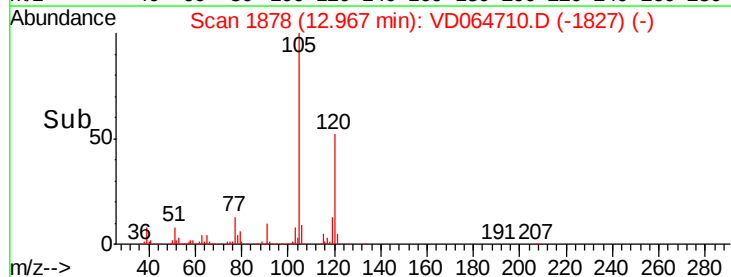
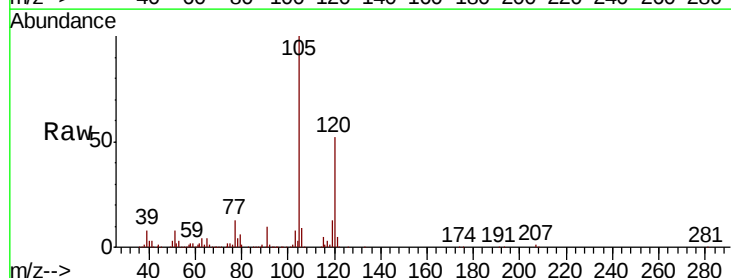
Acq: 02 Jan 2020 11:42

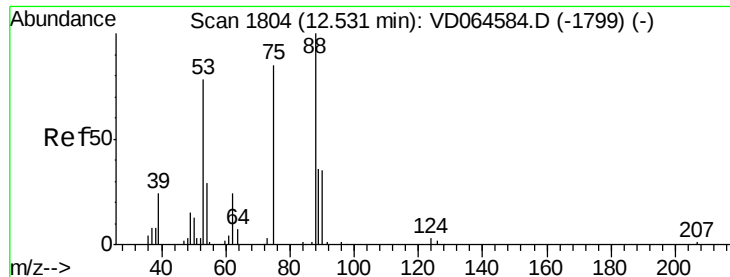
Tgt Ion: 105 Resp: 355889

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.562 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD0102SBS01

Tot Ion: 75 Resp: 21614

Ion Ratio Lower Upper

75 100

53 98.0 78.8 118.2

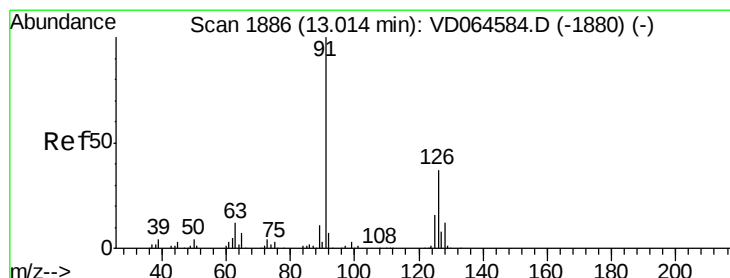
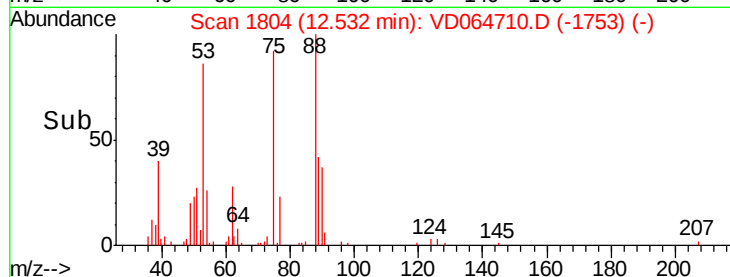
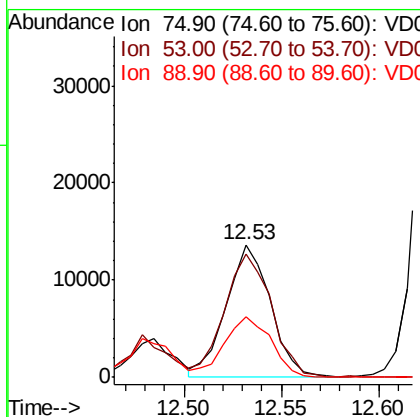
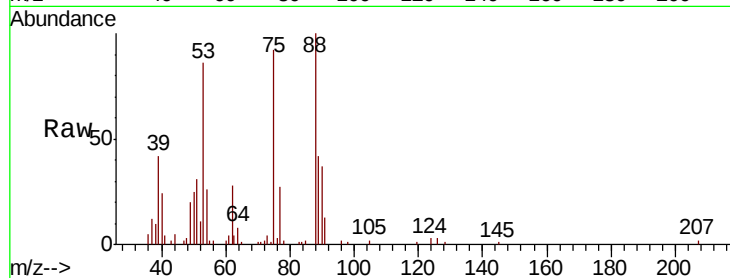
89 48.0 38.3 57.5

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#82

4-Chlorotoluene

Concen: 22.241 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064710.D

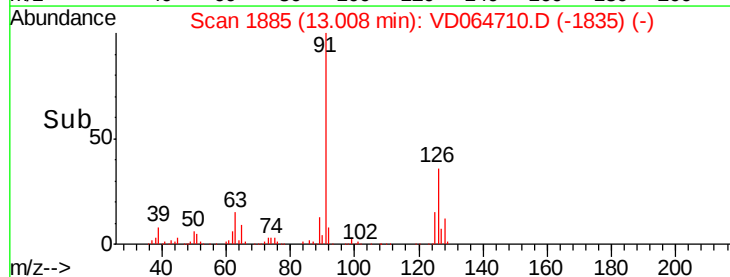
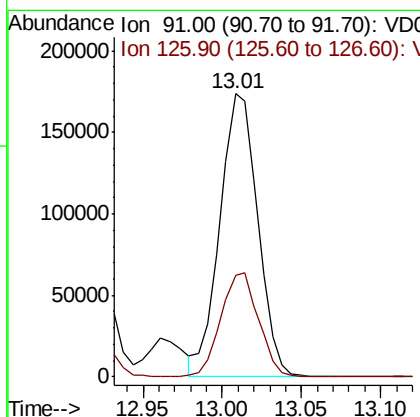
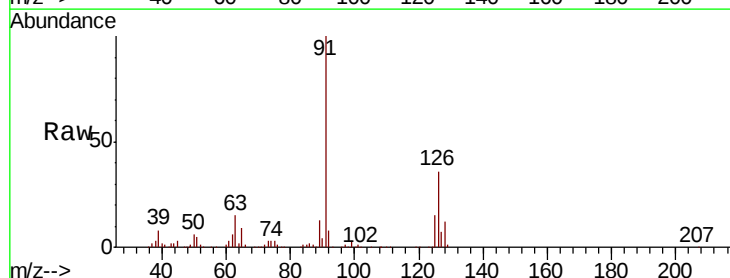
Acq: 02 Jan 2020 11:42

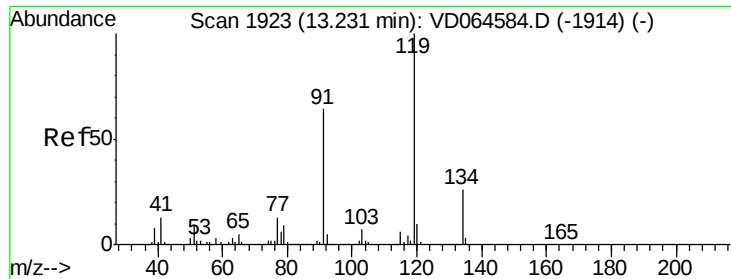
Tgt Ion: 91 Resp: 287786

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5





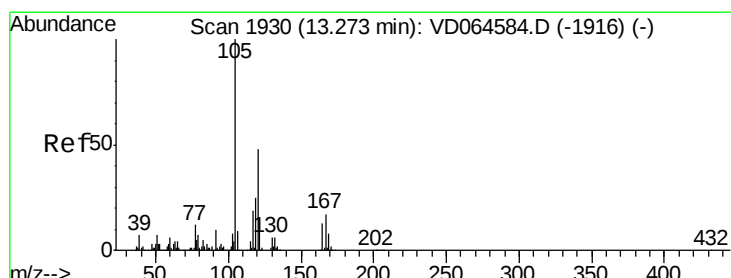
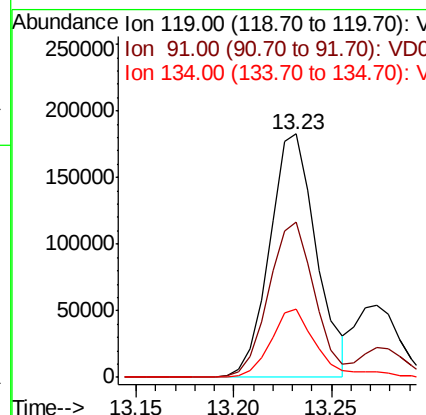
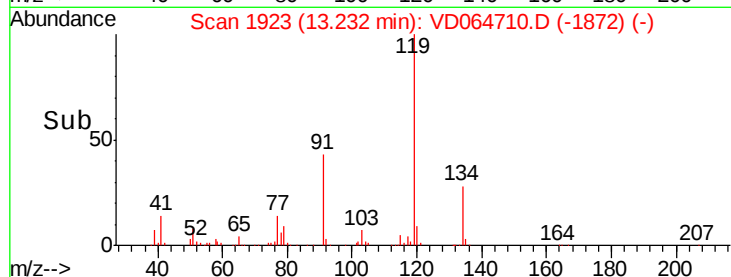
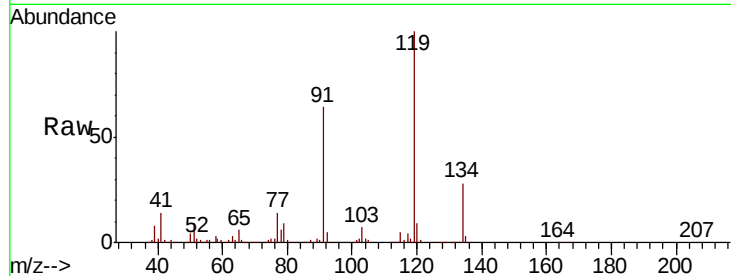
#83
tert-Butylbenzene
Concen: 22.418 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.8	92.4
134	28.2	12.8	38.3

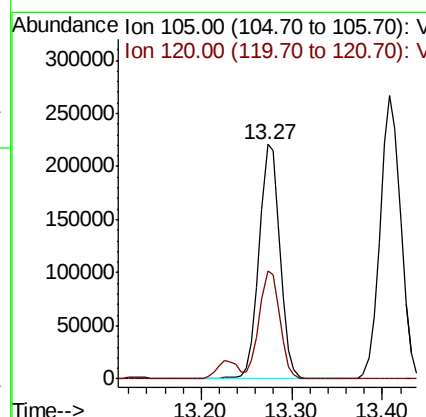
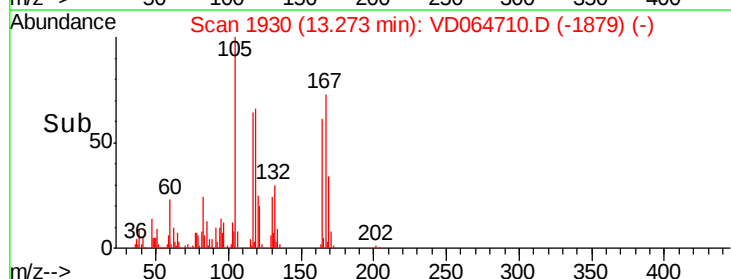
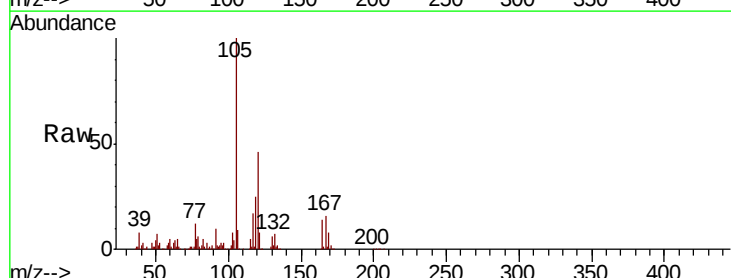
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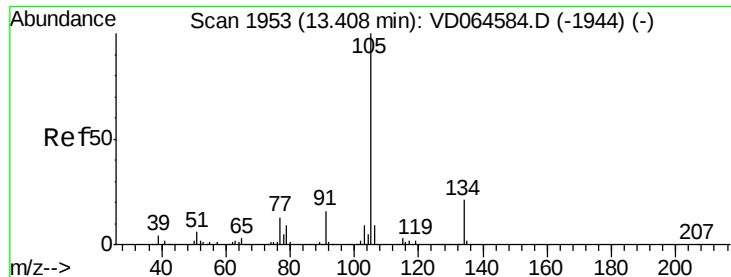
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#84
1,2,4-Trimethylbenzene
Concen: 22.640 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.8	71.2





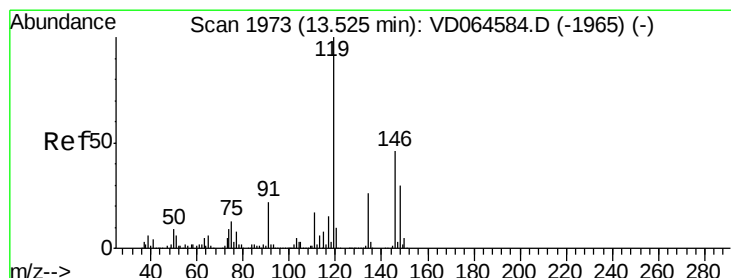
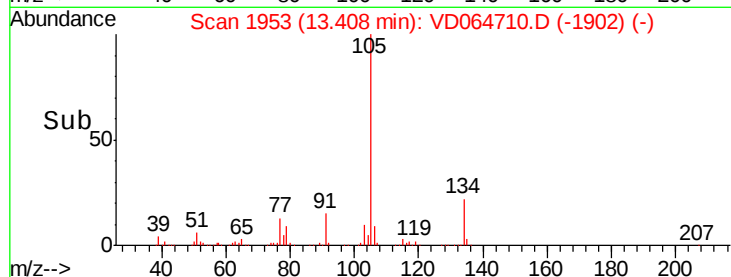
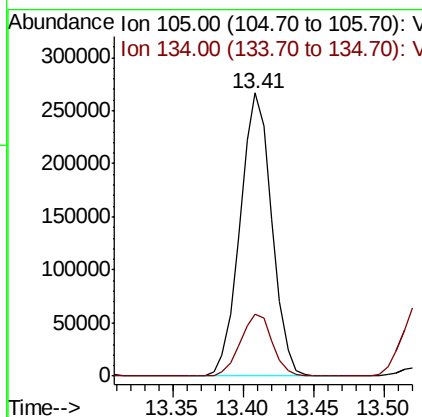
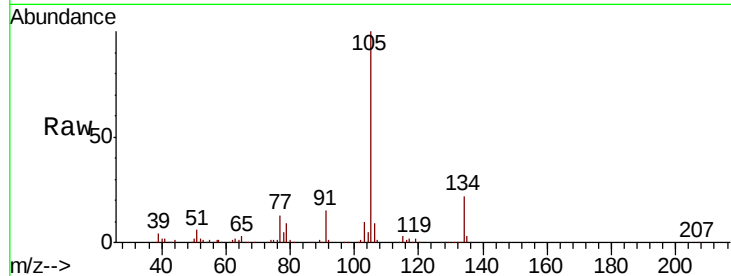
#85
 sec-Butylbenzene
 Concen: 22.566 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.1	10.6	31.8

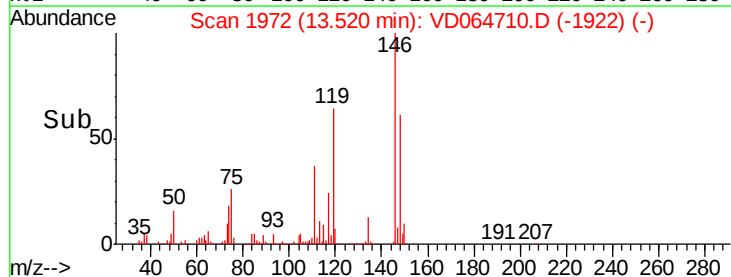
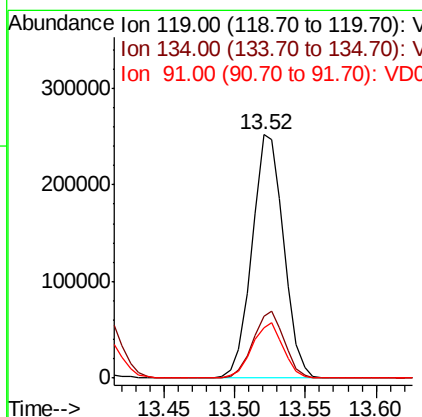
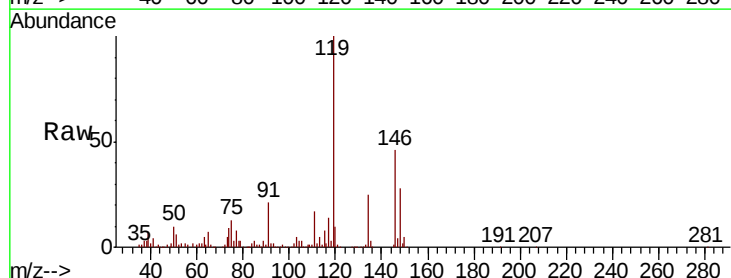
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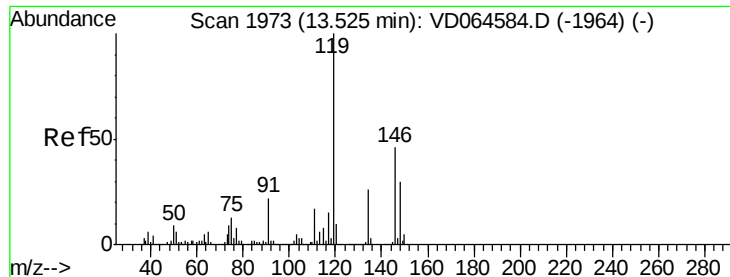
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#86
 p-Isopropyltoluene
 Concen: 22.380 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	22.6	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 21.881 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

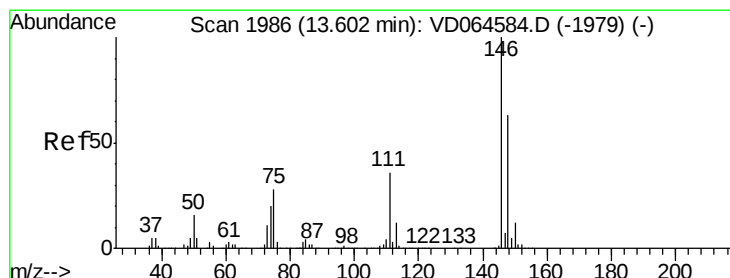
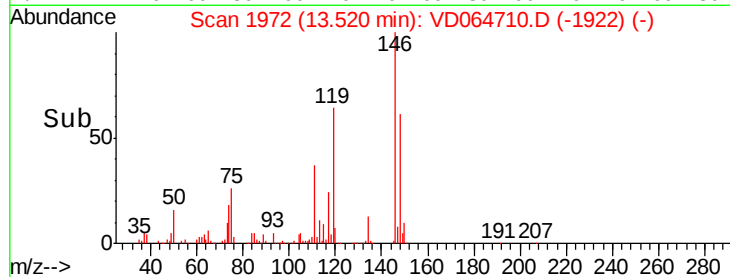
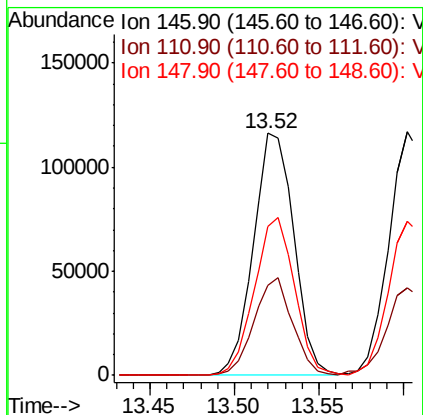
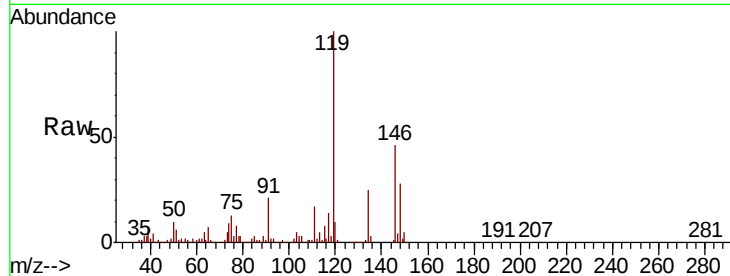
ClientSampleId :

VD0102SBS01

Tot Ion:	146	Resp:	194455
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.4
148	64.3	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 22.151 ug/l

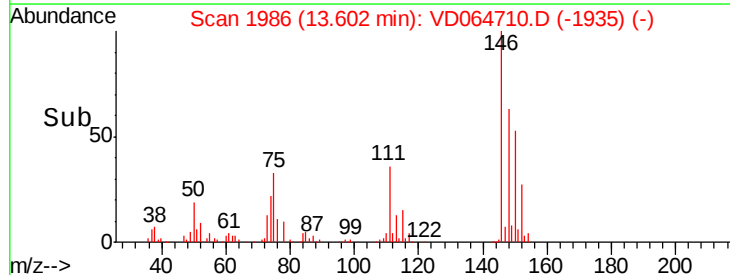
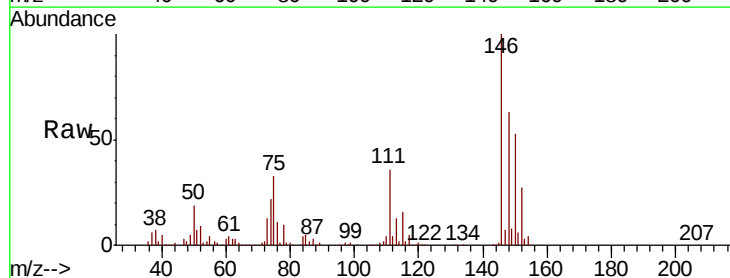
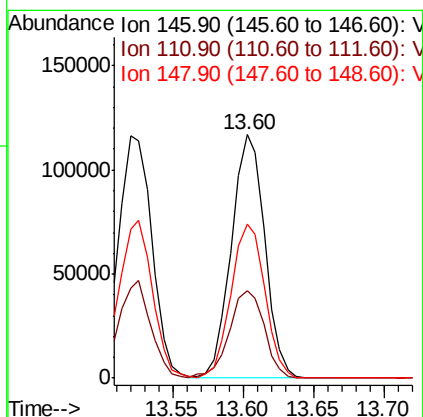
RT: 13.60 min Scan# 1986

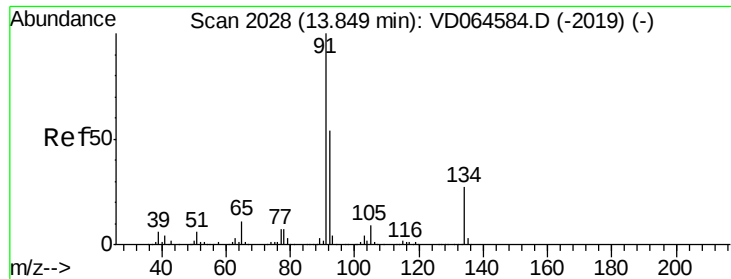
Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Tgt Ion:	146	Resp:	193387
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.1	54.1
148	64.0	32.3	96.9





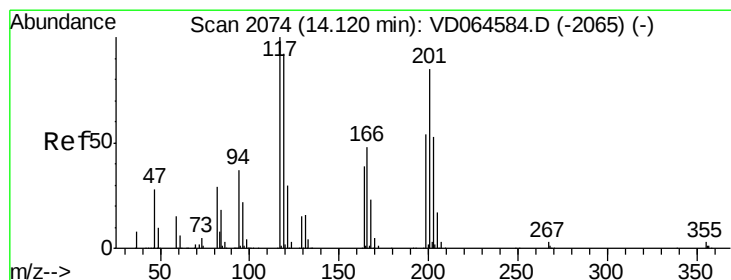
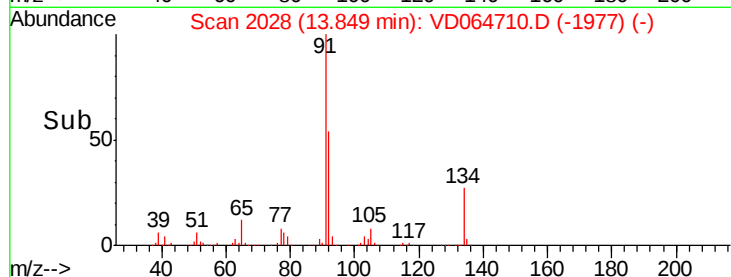
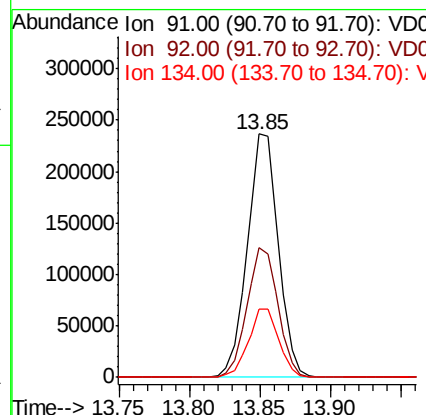
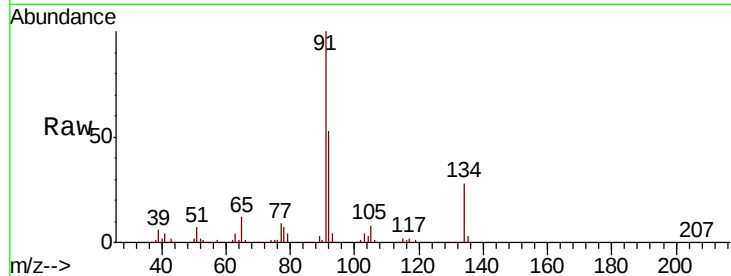
#89
n-Butylbenzene
Concen: 22.834 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	27.6	14.0	41.9

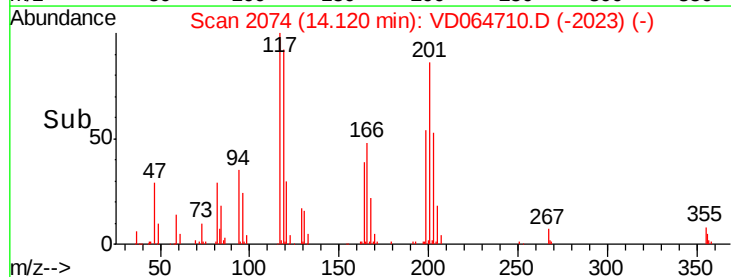
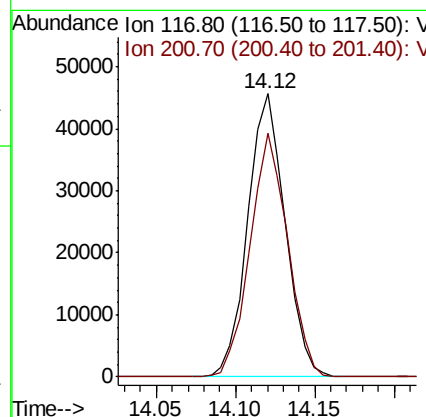
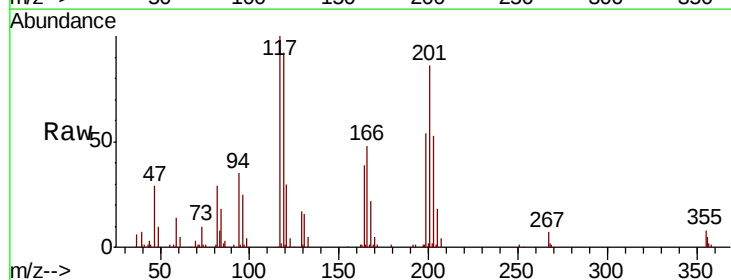
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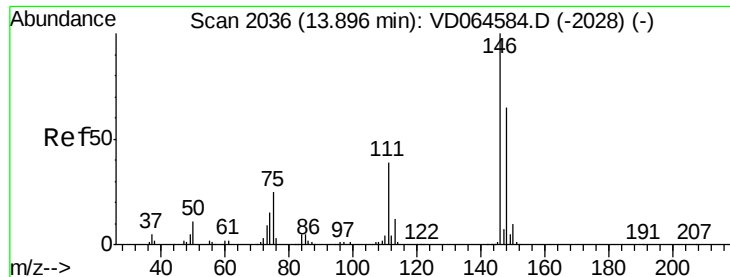
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#90
Hexachloroethane
Concen: 22.083 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 21.846 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064710.D

Acq: 02 Jan 2020 11:42

Instrument :

MSVOA_D

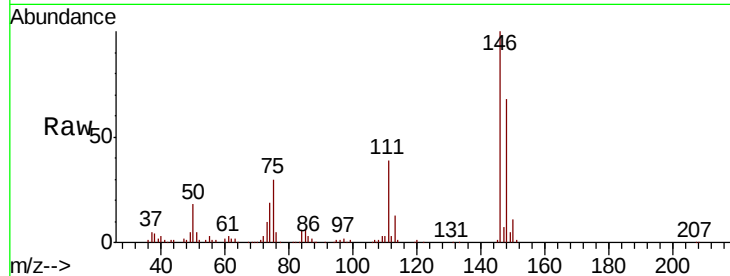
ClientSampleId :

VD0102SBS01

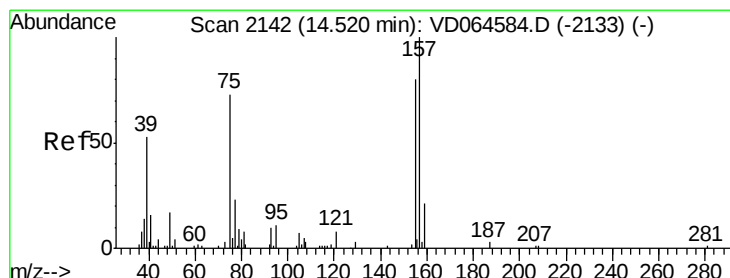
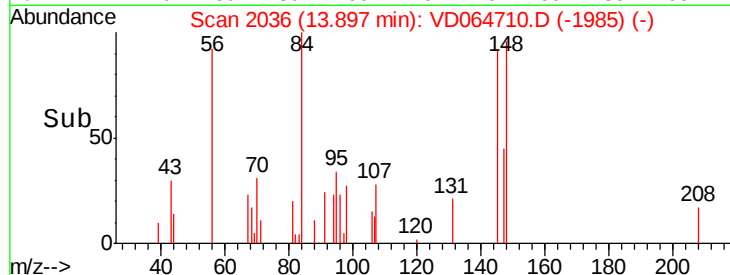
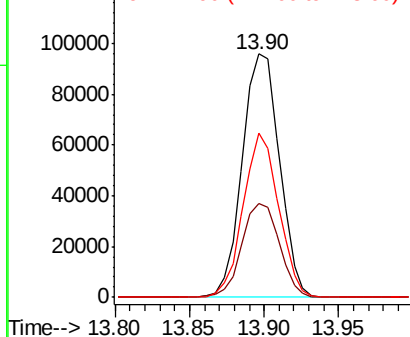
Tot Ion:	146	Resp:	165548
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.3	57.9
148	64.3	31.9	95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.382 ug/l

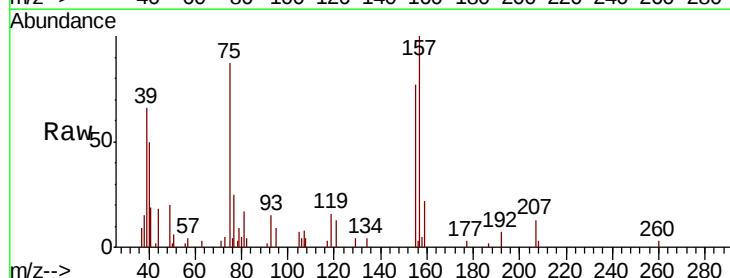
RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

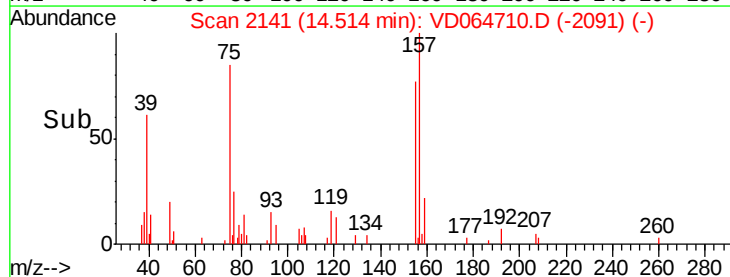
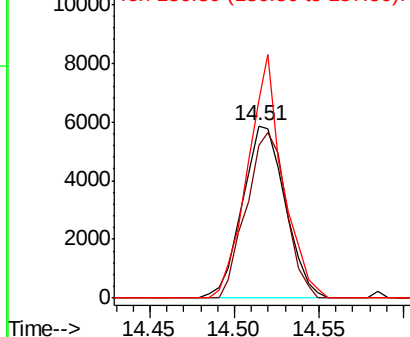
Lab File: VD064710.D

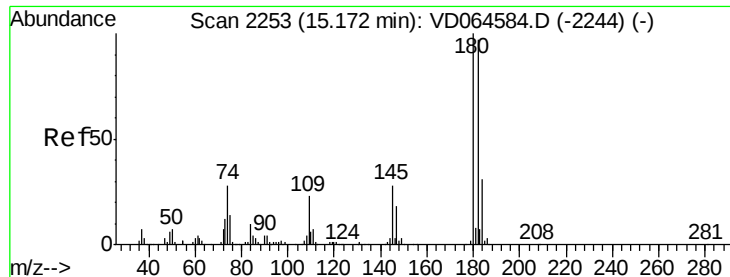
Acq: 02 Jan 2020 11:42

Tgt Ion:	75	Resp:	10331
Ion Ratio	Lower	Upper	
75	100		
155	89.1	48.0	144.0
157	116.0	64.1	192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





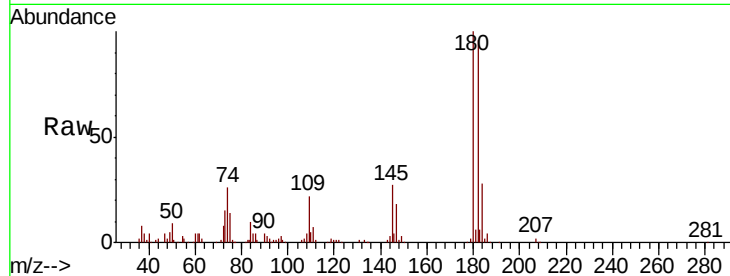
#93
 1,2,4-Trichlorobenzene
 Concen: 21.838 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0102SBS01

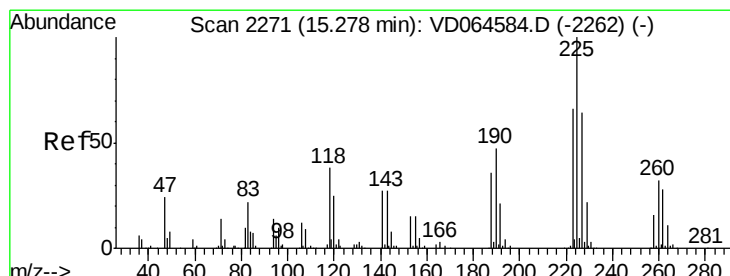
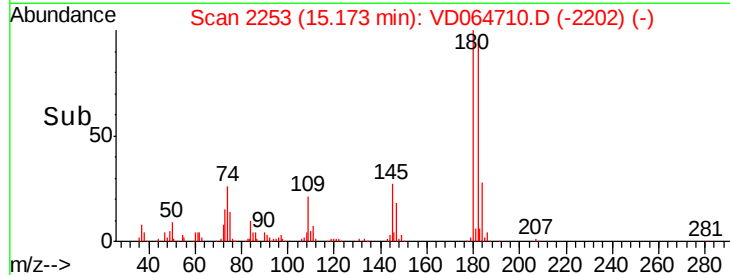
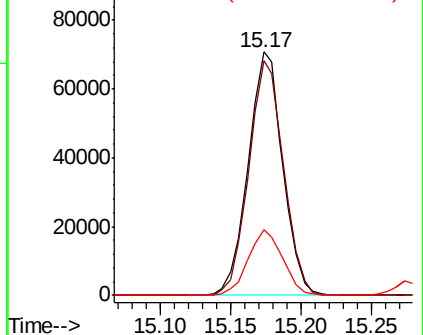
Tot Ion	Ratio	Resp	Lower	Upper
180	100	121851		
182	96.5	48.0	144.2	
145	26.8	13.8	41.4	

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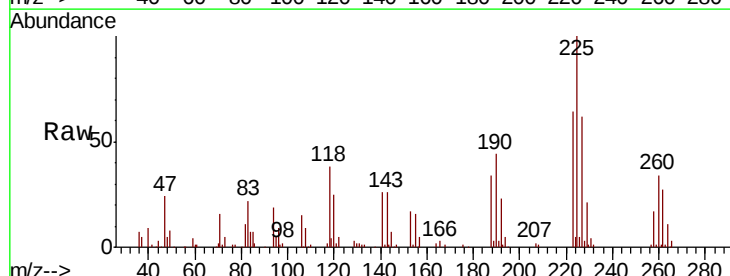


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

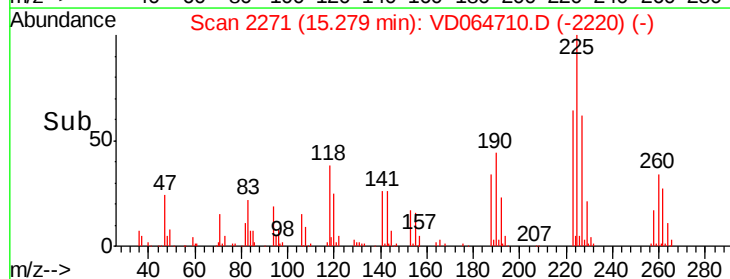
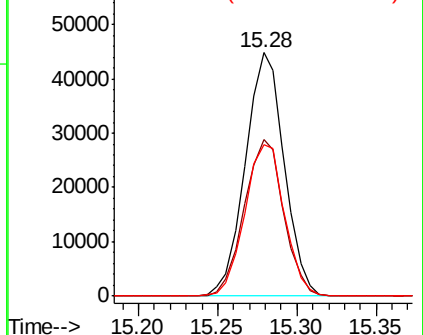


#94
 Hexachlorobutadiene
 Concen: 21.781 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064710.D
 Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76476		
223	64.5	31.1	93.2	
227	63.3	30.9	92.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





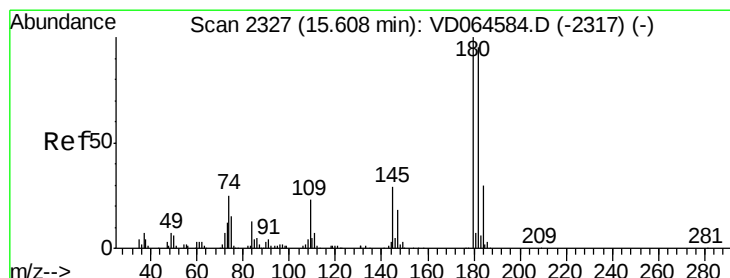
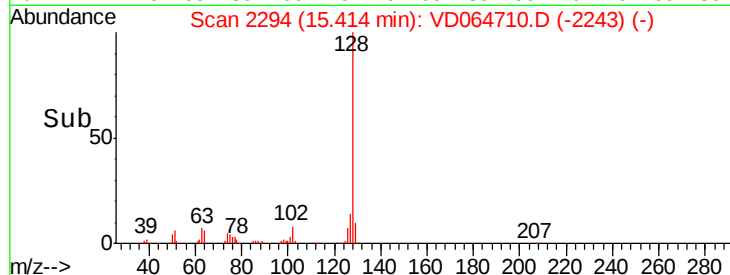
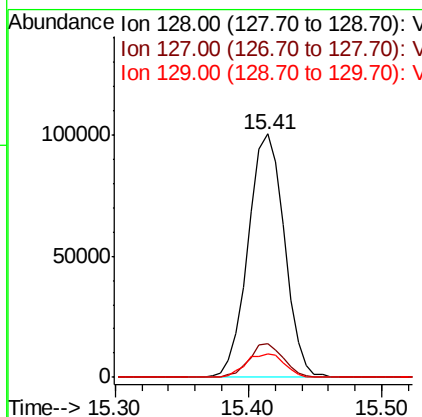
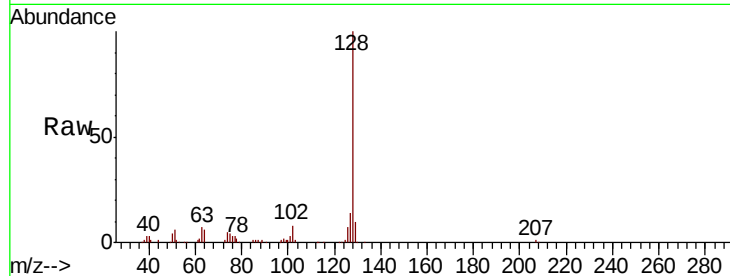
#95
Naphthalene
Concen: 21.333 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD0102SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.5	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.052 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064710.D
Acq: 02 Jan 2020 11:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.7
145	30.7	14.9	44.7

