

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064674.D
 Acq On : 30 Dec 2019 13:14
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:30 AM

Quant Time: Dec 31 07:36:23 2019
 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	410052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	596595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193856	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.91	113	194740	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.34	98	752176	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.64	95	236924	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65437	20.534	ug/l	98
3) Chloromethane	2.21	50	93742	21.034	ug/l	98
4) Vinyl Chloride	2.35	62	116056	21.357	ug/l	98
5) Bromomethane	2.76	94	83989	21.257	ug/l	97
6) Chloroethane	2.92	64	78301	21.505	ug/l	100
7) Trichlorofluoromethane	3.27	101	193931	21.195	ug/l	95
8) Diethyl Ether	3.70	74	37837	20.825	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81702	21.561	ug/l	99
10) Methyl Iodide	4.30	142	82333	20.228	ug/l	99
11) Tert butyl alcohol	5.25	59	18429	88.933	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	77109	21.374	ug/l	90
13) Acrolein	3.92	56	25744	89.143	ug/l	100
14) Allyl chloride	4.71	41	118871	21.134	ug/l	99
15) Acrylonitrile	5.43	53	74651	98.639	ug/l	98
16) Acetone	4.16	43	81756	102.652	ug/l	90
17) Carbon Disulfide	4.40	76	242614	20.798	ug/l	97
18) Methyl Acetate	4.72	43	41316	20.296	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	161591	20.166	ug/l	95
20) Methylene Chloride	4.96	84	88533	21.118	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	86231	20.989	ug/l	97
22) Diisopropyl ether	6.37	45	236507	21.081	ug/l	98
23) Vinyl Acetate	6.31	43	651094	102.308	ug/l	99
24) 1,1-Dichloroethane	6.26	63	143078	21.244	ug/l	98
25) 2-Butanone	7.22	43	104919	105.564	ug/l	99
26) 2,2-Dichloropropane	7.21	77	133660	21.345	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	92950	20.963	ug/l	100
28) Bromochloromethane	7.54	49	51601	19.709	ug/l	100
29) Tetrahydrofuran	7.57	42	61358	99.272	ug/l	99
30) Chloroform	7.71	83	148585	21.028	ug/l	97
31) Cyclohexane	7.99	56	141204	20.945	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	141601	21.335	ug/l	100
36) 1,1-Dichloropropene	8.11	75	122094	21.263	ug/l	98
37) Ethyl Acetate	7.30	43	46182	20.472	ug/l	99
38) Carbon Tetrachloride	8.09	117	130340	21.287	ug/l	89

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apatel
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147171	21.161	ug/l	98
40) Benzene	8.35	78	325723	20.779	ug/l	96
41) Methacrylonitrile	7.53	41	22736	17.371	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	92567	20.435	ug/l	100
43) Isopropyl Acetate	8.46	43	89399	19.910	ug/l	98
44) Trichloroethene	9.11	130	95332	20.702	ug/l	97
45) 1,2-Dichloropropane	9.39	63	81027	21.649	ug/l	97
46) Dibromomethane	9.47	93	43208	20.706	ug/l	99
47) Bromodichloromethane	9.66	83	114018	20.534	ug/l	97
48) Methyl methacrylate	9.46	41	40811	19.304	ug/l #	86
49) 1,4-Dioxane	9.46	88	9700	403.138	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	222583	100.293	ug/l	100
52) Toluene	10.40	92	213053	20.716	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	108243	20.909	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	126726	20.760	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59836	21.277	ug/l	98
56) Ethyl methacrylate	10.66	69	70059	19.948	ug/l	100
57) 1,3-Dichloropropane	10.95	76	99321	20.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145345	108.623	ug/l	99
59) 2-Hexanone	10.98	43	155189	103.026	ug/l	98
60) Dibromochloromethane	11.14	129	79688	20.491	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56024	20.198	ug/l	98
64) Tetrachloroethene	10.88	164	83324	20.446	ug/l	98
65) Chlorobenzene	11.67	112	226922	20.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85589	20.593	ug/l	99
67) Ethyl Benzene	11.75	91	405524	20.265	ug/l	96
68) m/p-Xylenes	11.86	106	313174	40.547	ug/l	98
69) o-Xylene	12.18	106	142146	20.375	ug/l	99
70) Styrene	12.20	104	246172	20.103	ug/l	99
71) Bromoform	12.37	173	47596	20.081	ug/l #	98
73) Isopropylbenzene	12.48	105	391519	21.308	ug/l	100
74) N-amyl acetate	12.30	43	81748	20.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62106	21.517	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	45798m	22.556	ug/l	
77) Bromobenzene	12.77	156	95004	21.043	ug/l	99
78) n-propylbenzene	12.83	91	456239	21.284	ug/l	100
79) 2-Chlorotoluene	12.91	91	249418	21.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	322160	21.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19193	19.771	ug/l	95
82) 4-Chlorotoluene	13.01	91	262357	20.936	ug/l	100
83) tert-Butylbenzene	13.23	119	273404	20.863	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	318309	21.175	ug/l	99
85) sec-Butylbenzene	13.41	105	384625	21.408	ug/l	98
86) p-Isopropyltoluene	13.53	119	361934	21.068	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	178841	20.779	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176291	20.850	ug/l	99
89) n-Butylbenzene	13.86	91	331227	21.410	ug/l	98
90) Hexachloroethane	14.12	117	70073	21.354	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	153027	20.851	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9783	20.907	ug/l	92

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ClientSampleId :
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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	15.18	180	109945	20.346	ug/l	99
94) Hexachlorobutadiene	15.28	225	69246	20.364	ug/l	96
95) Naphthalene	15.41	128	172525	20.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94848	20.560	ug/l	98

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

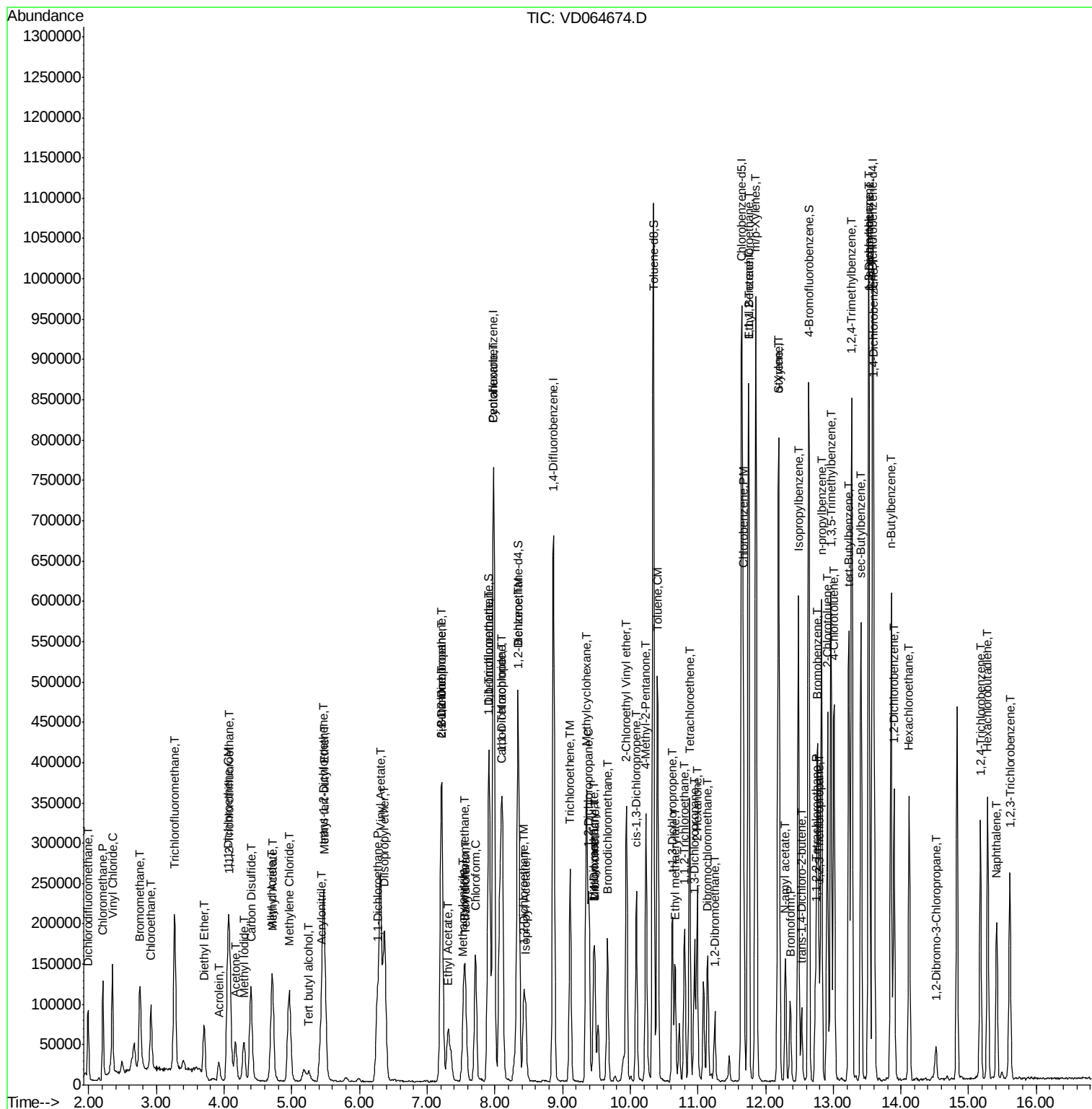
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Data File : VD064674.D
Acq On : 30 Dec 2019 13:14
Operator : VA/SY
Sample : VD1230SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

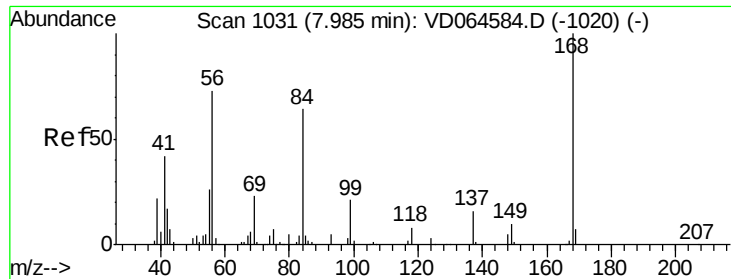
Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Manual Integrations
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12/31/2019 11:47:30 AM

Quant Time: Dec 31 07:36:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBSD01

Tot Ion:168 Resp: 410052

Ion Ratio Lower Upper

168 100

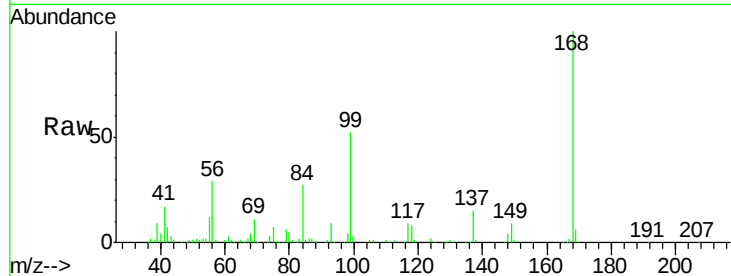
99 51.9 41.8 62.6

Manual Integrations

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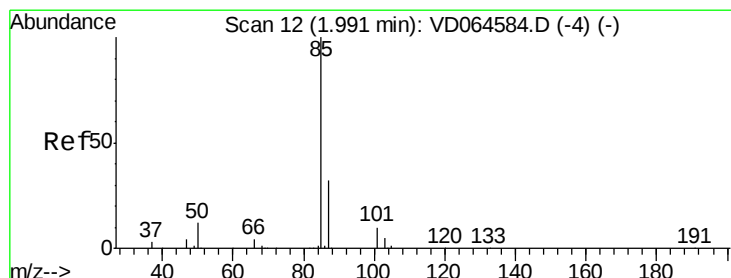
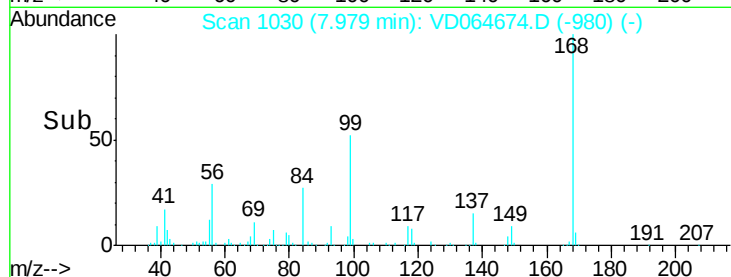
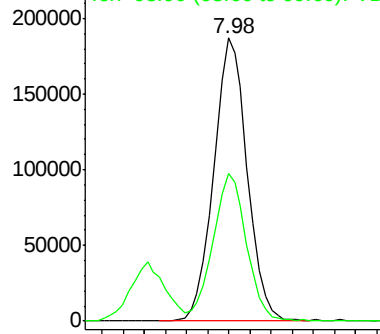
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064674.D

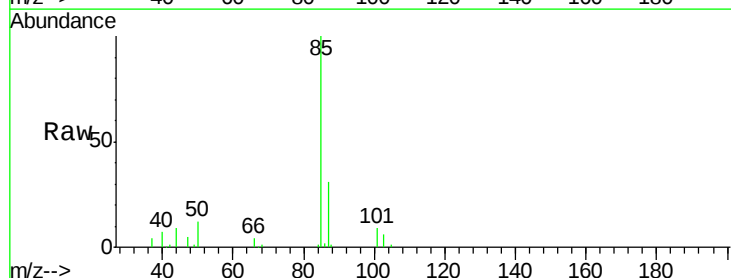
Acq: 30 Dec 2019 13:14

Tgt Ion: 85 Resp: 65437

Ion Ratio Lower Upper

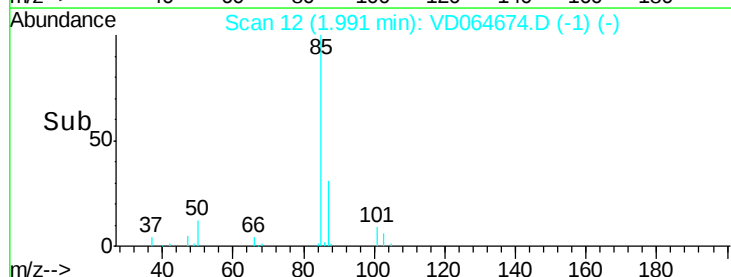
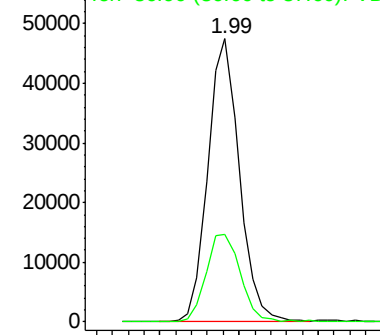
85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.034 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBSD01

Tot Ion: 50 Resp: 93742

Ion Ratio Lower Upper

50 100

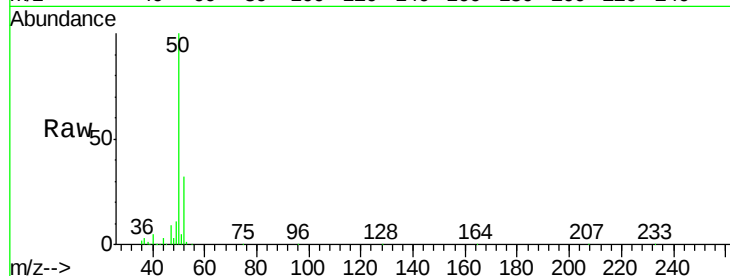
52 32.0 26.5 39.7

Manual Integrations

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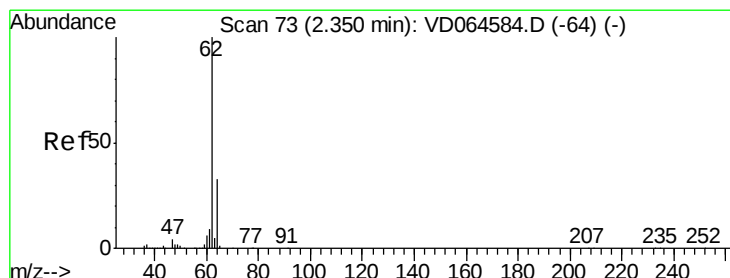
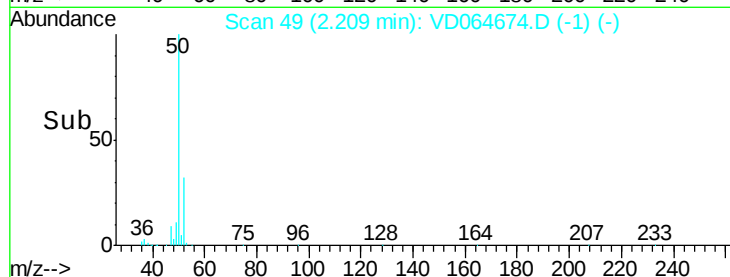
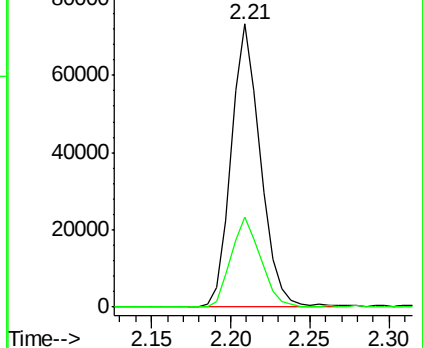
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.357 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064674.D

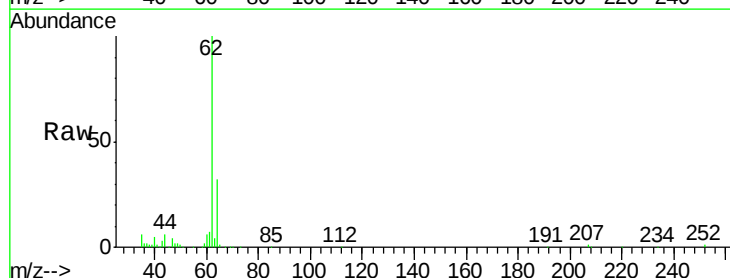
Acq: 30 Dec 2019 13:14

Tgt Ion: 62 Resp: 116056

Ion Ratio Lower Upper

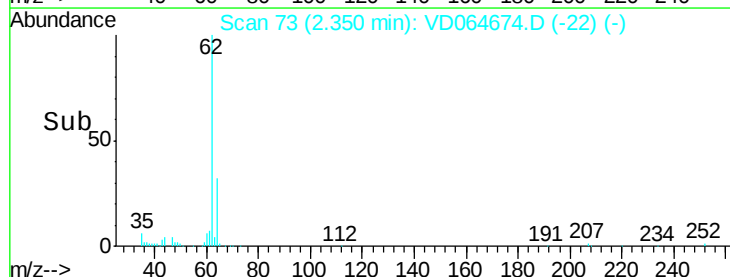
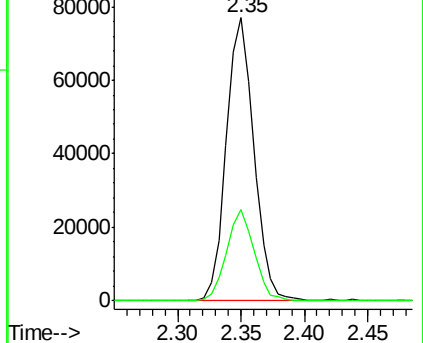
62 100

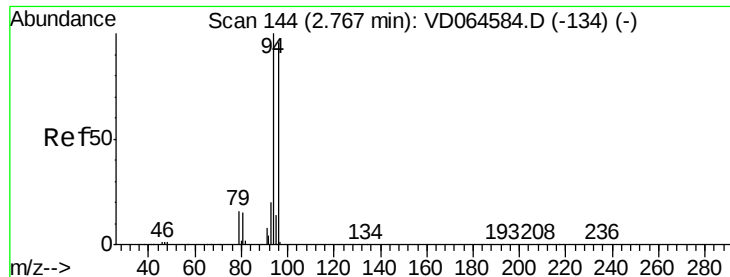
64 32.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.257 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBSD01

Tot Ion: 94 Resp: 83989

Ion Ratio Lower Upper

94 100

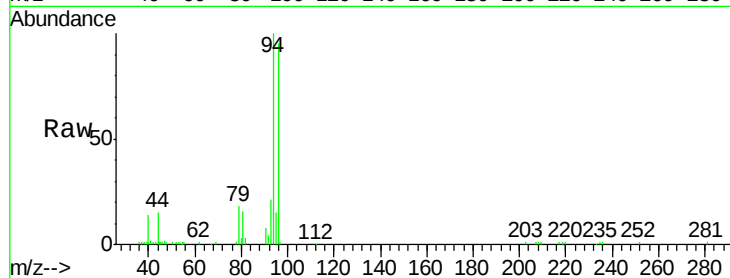
96 93.8 77.2 115.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

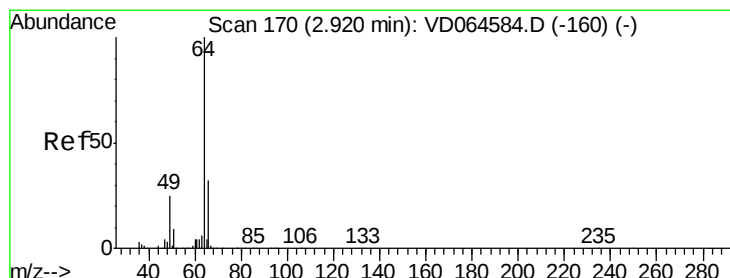
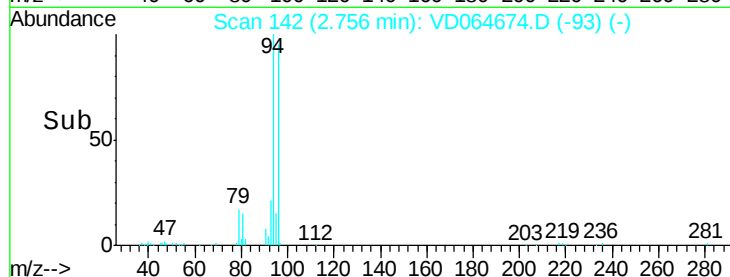
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10000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 21.505 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064674.D

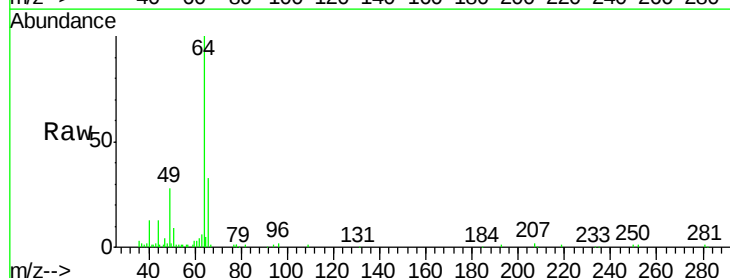
Acq: 30 Dec 2019 13:14

Tgt Ion: 64 Resp: 78301

Ion Ratio Lower Upper

64 100

66 32.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

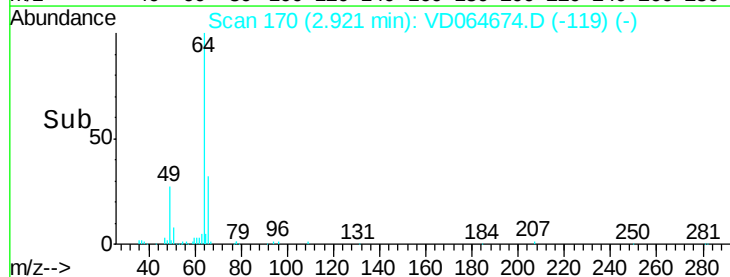
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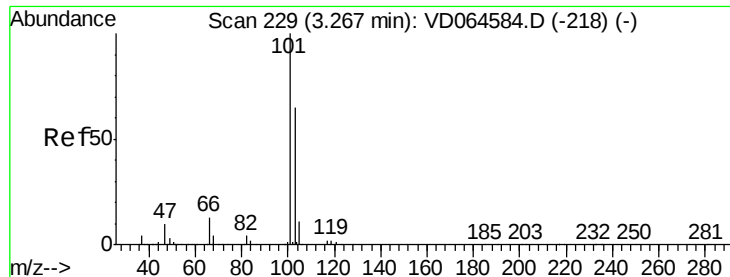
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0

2.80 2.90 3.00

Time-->





#7

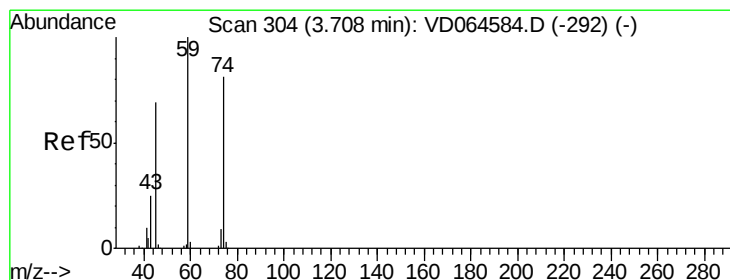
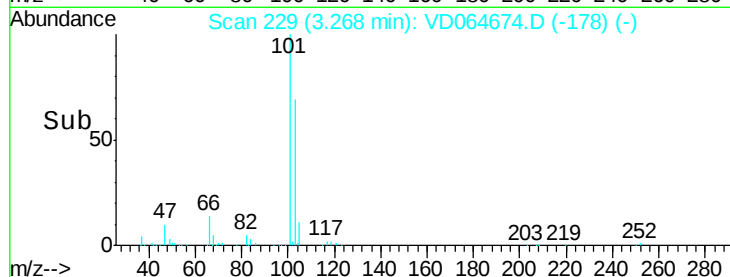
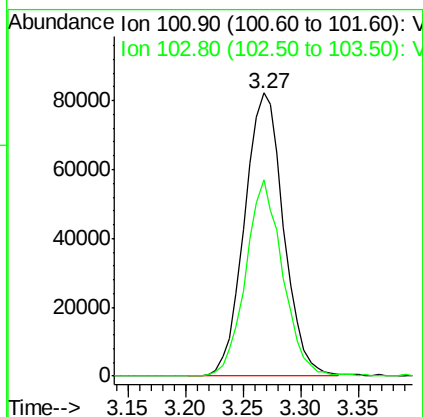
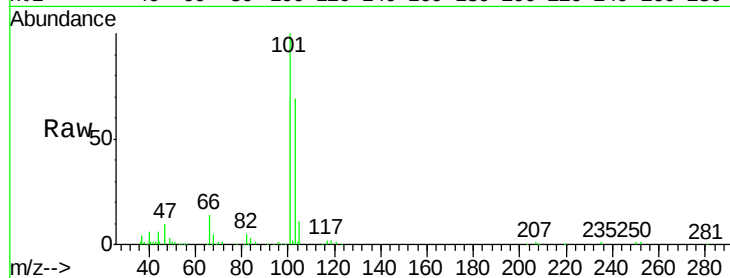
Trichlorofluoromethane
Concen: 21.195 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.5	52.2	78.4

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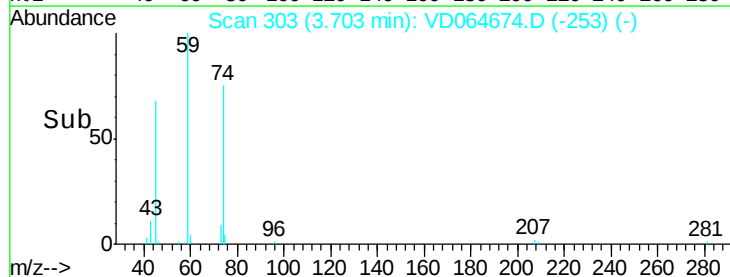
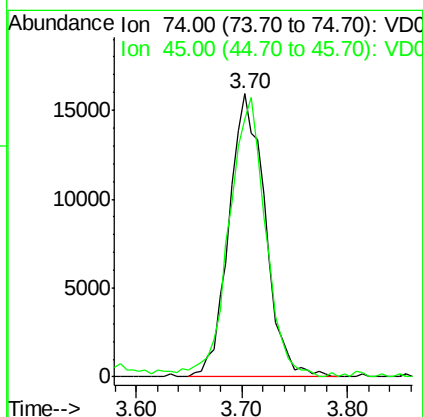
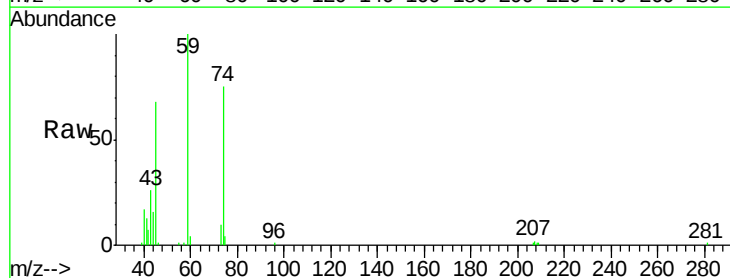
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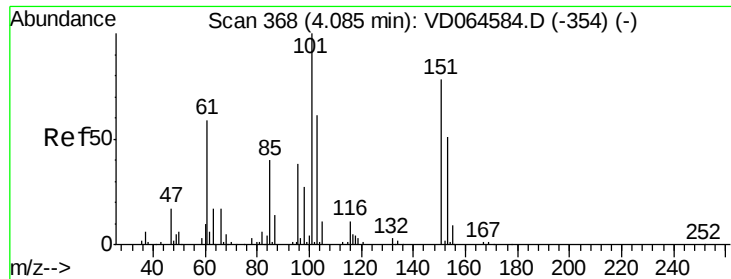


#8

Diethyl Ether
Concen: 20.825 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.561 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

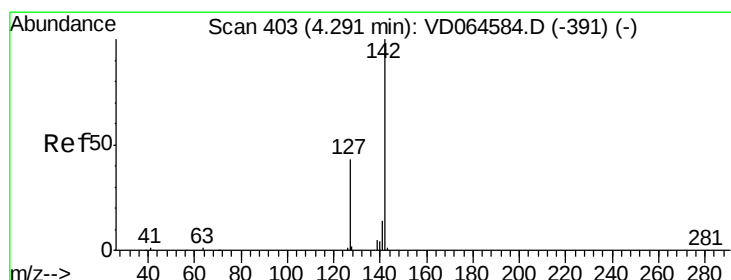
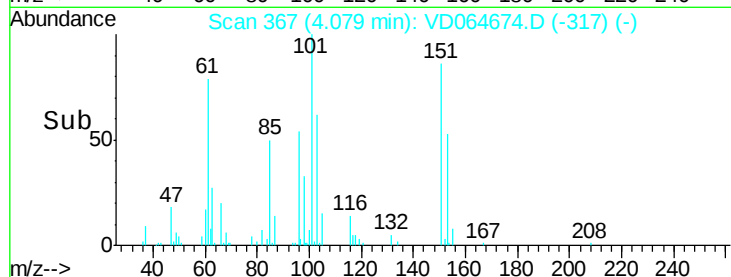
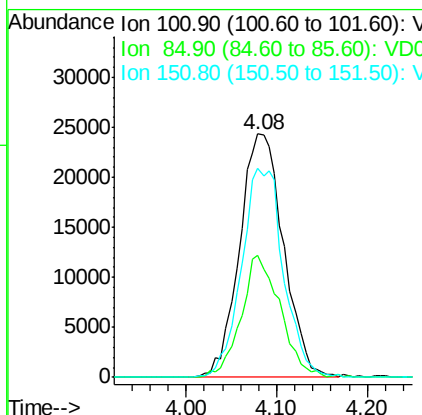
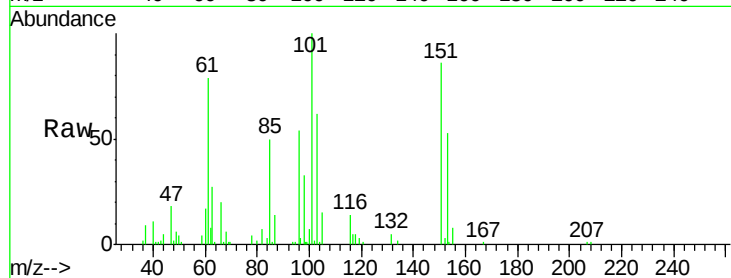
ClientSampleId :

VD1230SBS01

Tot Ion:	101	Resp:	81702
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.2	52.8
151	82.4	66.2	99.4

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#10

Methyl Iodide

Concen: 20.228 ug/l

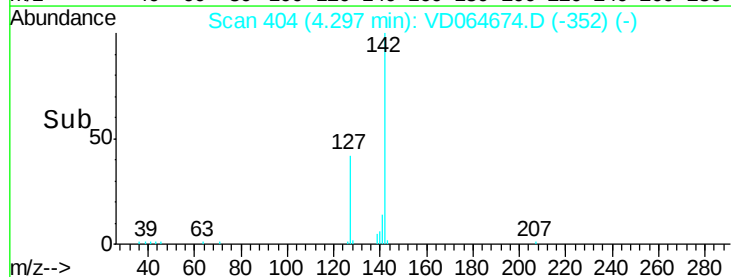
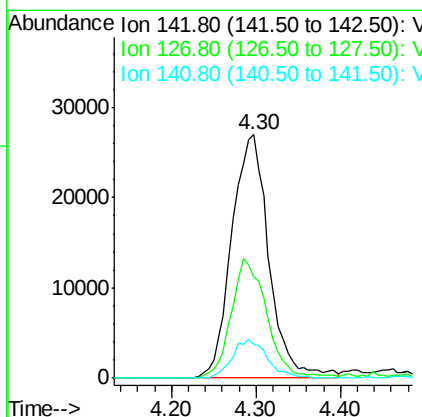
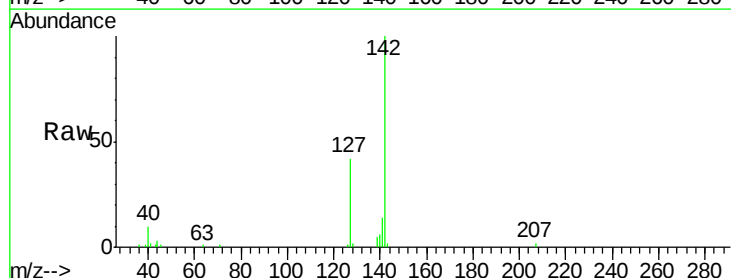
RT: 4.30 min Scan# 404

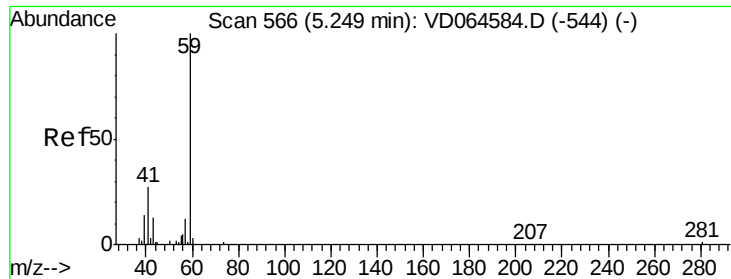
Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	142	Resp:	82333
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.2	54.4
141	14.8	11.8	17.8





#11

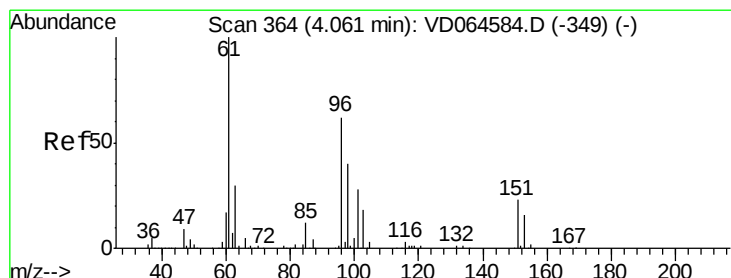
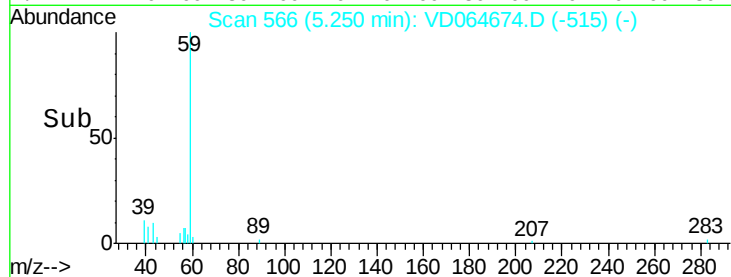
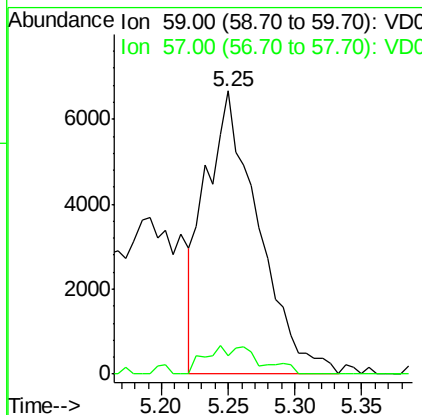
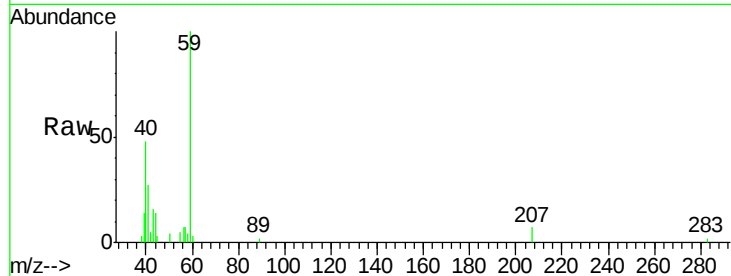
Tert butyl alcohol
Concen: 88.933 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

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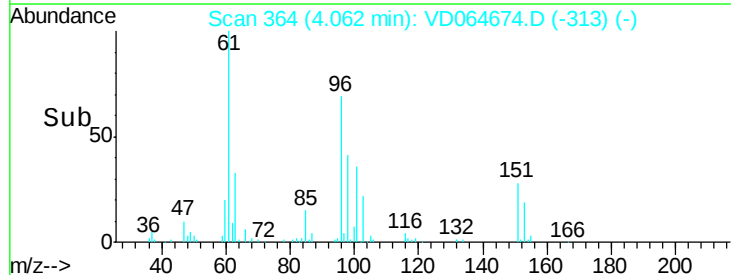
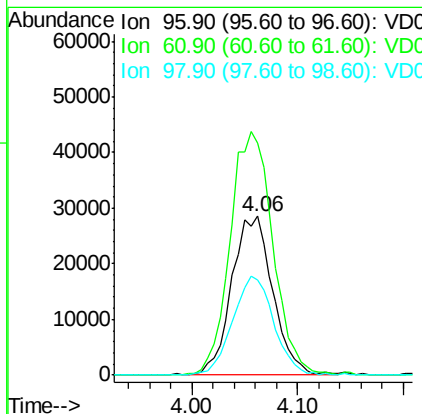
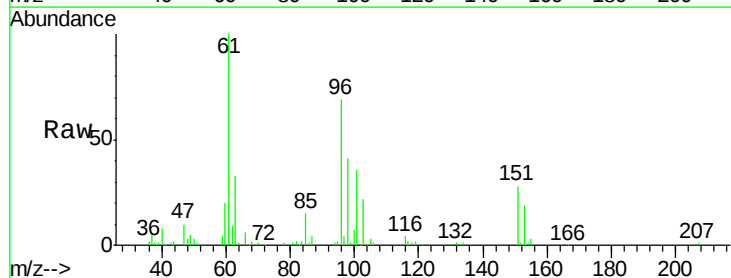
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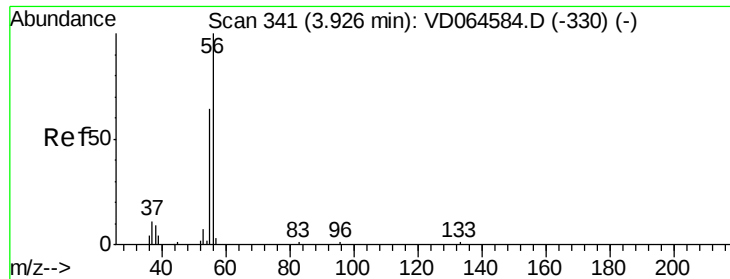


#12

1,1-Dichloroethene
Concen: 21.374 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	129.4	194.0
98	59.8	51.4	77.0





#13

Acrolein

Concen: 89.143 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 56 Resp: 25744

Ion Ratio Lower Upper

56 100

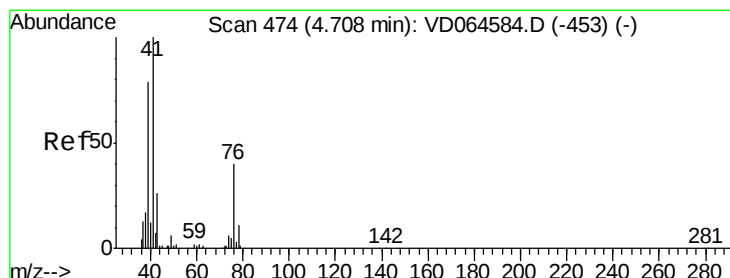
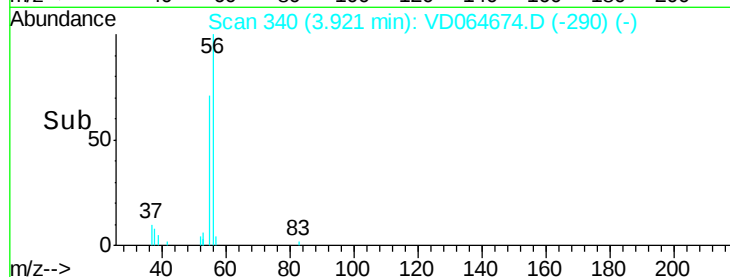
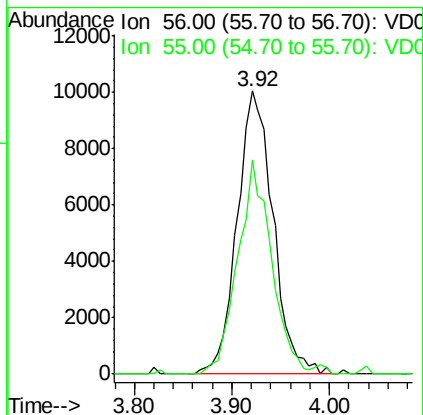
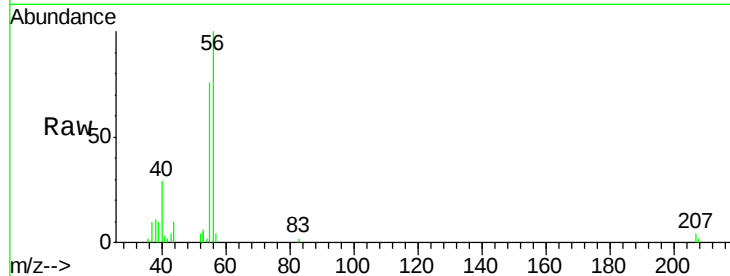
55 71.0 56.7 85.1

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#14

Allyl chloride

Concen: 21.134 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

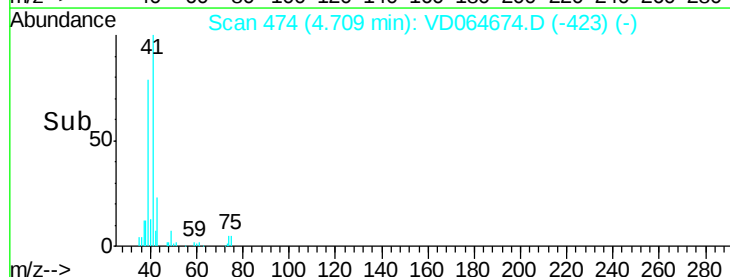
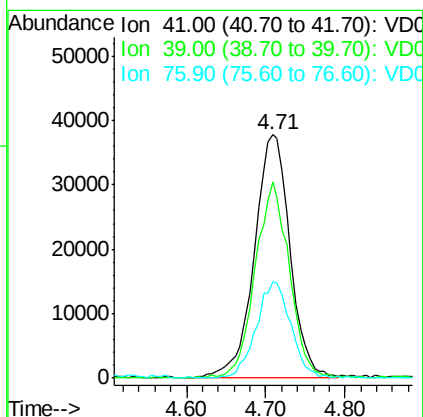
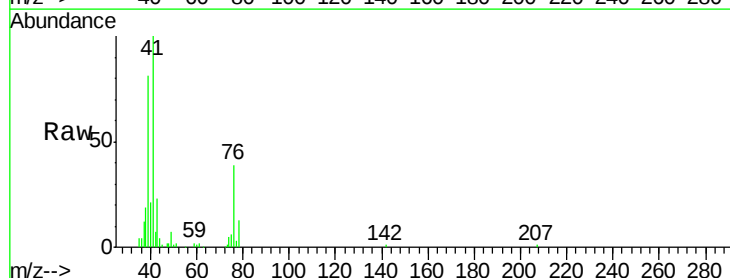
Tgt Ion: 41 Resp: 118871

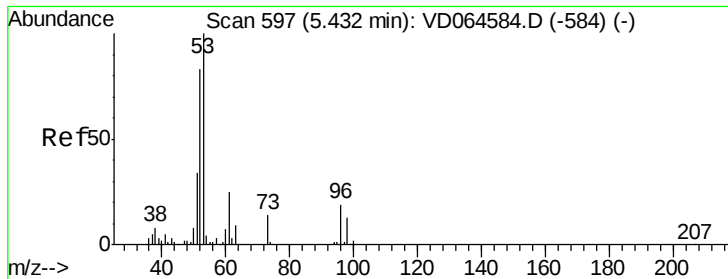
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 38.3 29.7 44.5





#15

Acrylonitrile

Concen: 98.639 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

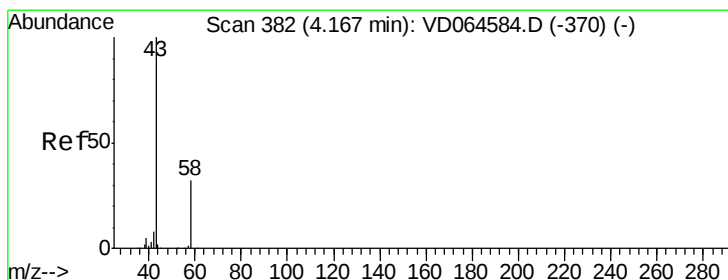
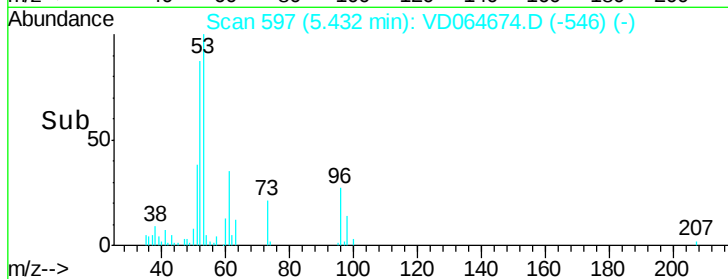
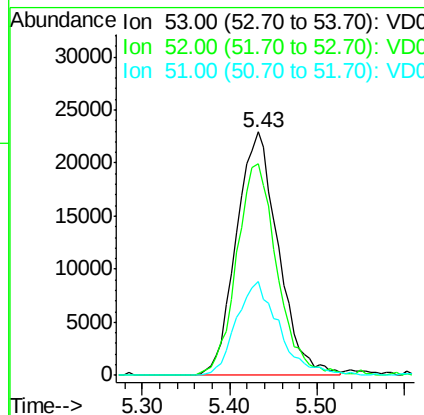
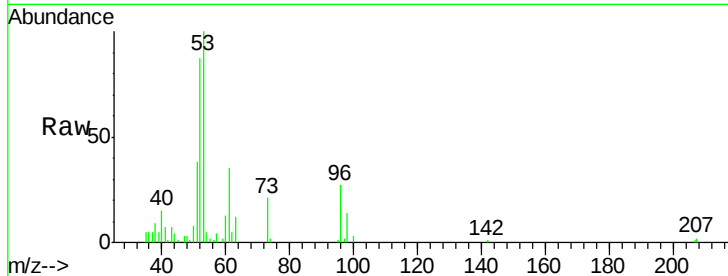
ClientSampleId :

VD1230SBS01

Tot Ion:	53	Resp:	74651
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.2	99.2
51	39.7	30.1	45.1

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#16

Acetone

Concen: 102.652 ug/l

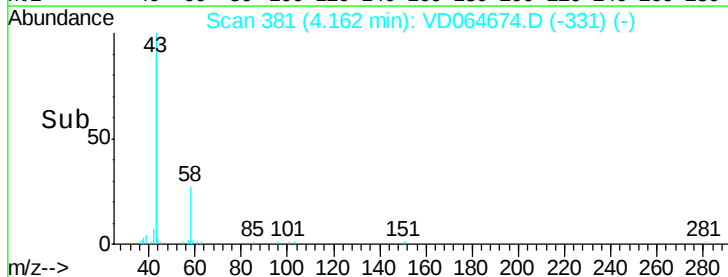
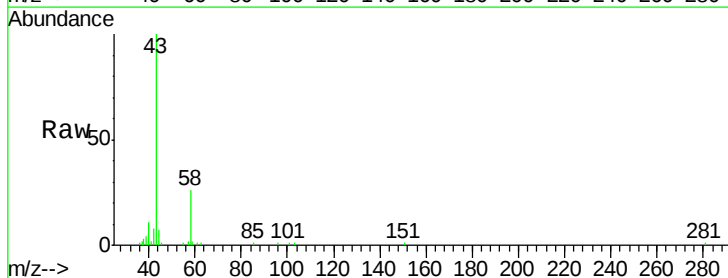
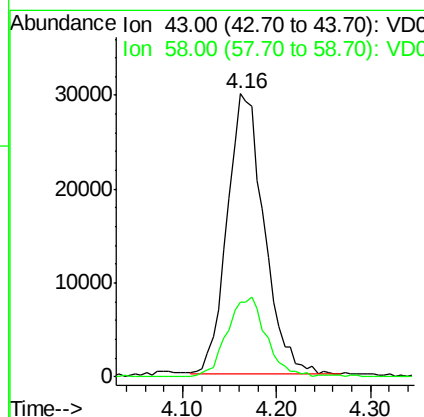
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	43	Resp:	81756
Ion Ratio	Lower	Upper	
43	100		
58	26.5	25.8	38.6





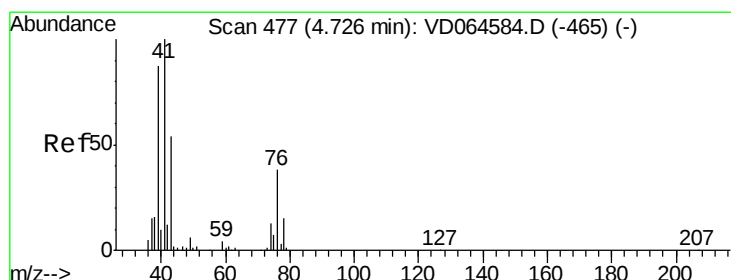
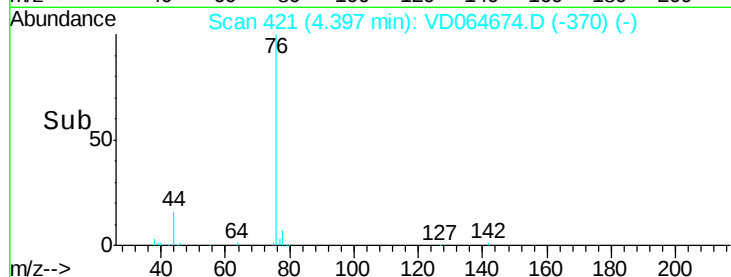
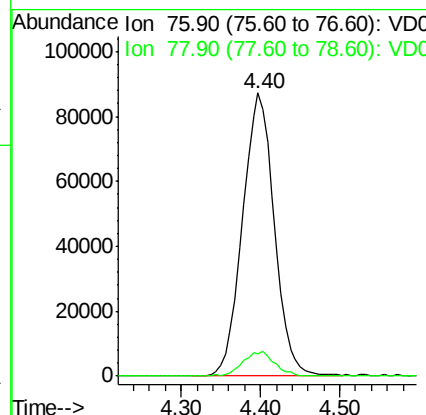
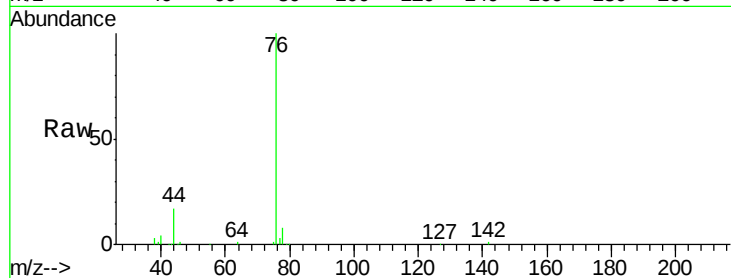
#17
Carbon Disulfide
Concen: 20.798 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	242614		
78	8.0		7.3	10.9

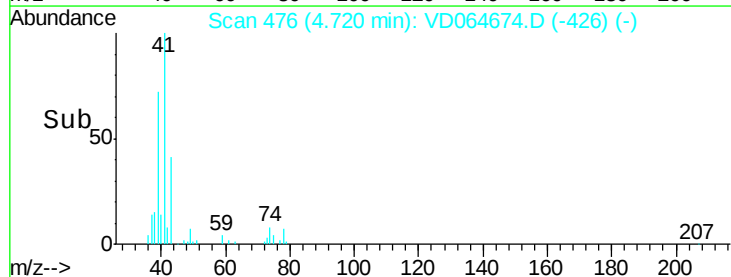
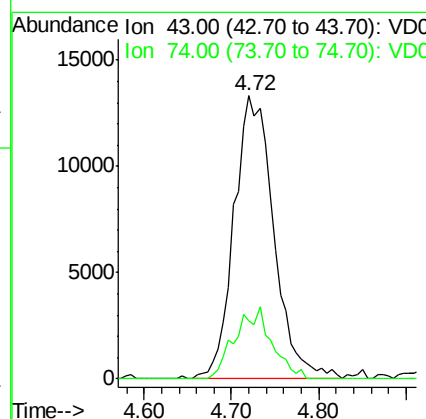
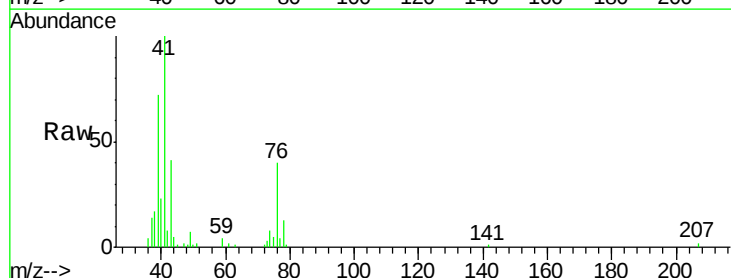
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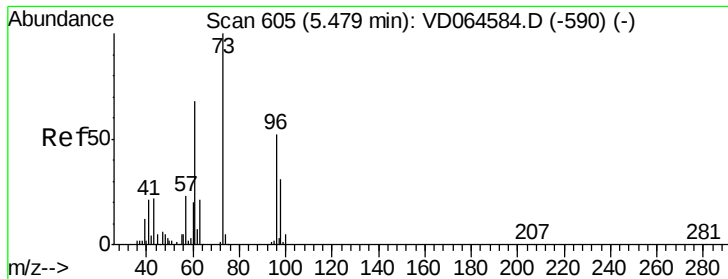
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#18
Methyl Acetate
Concen: 20.296 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41316		
74	23.3		19.2	28.8





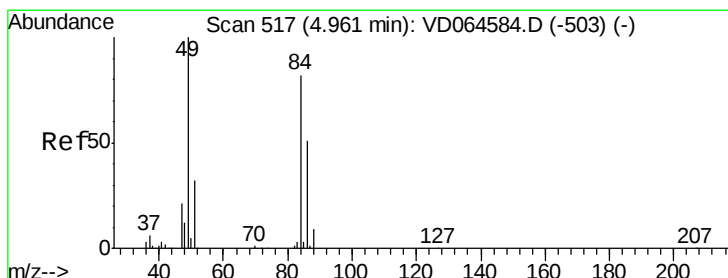
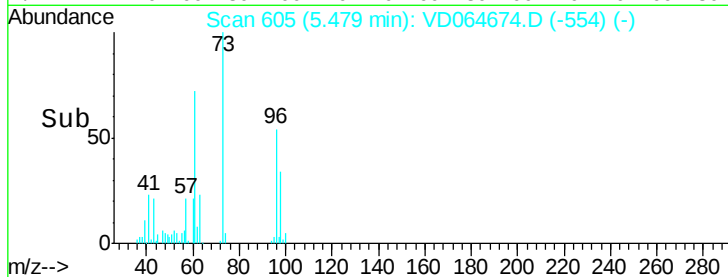
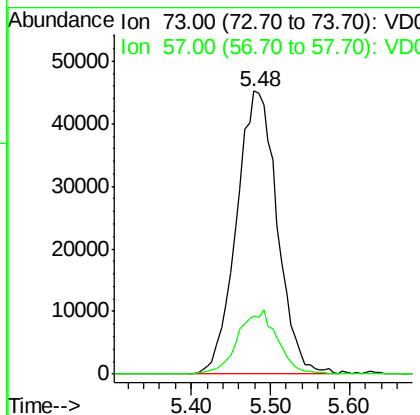
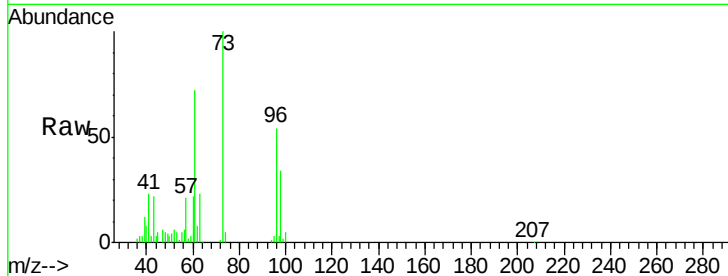
#19
Methyl tert-butyl Ether
Concen: 20.166 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 73 Resp: 161591
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

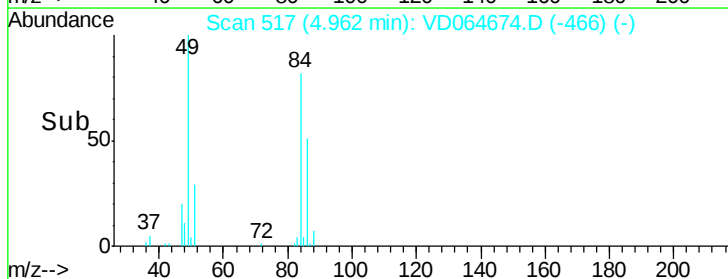
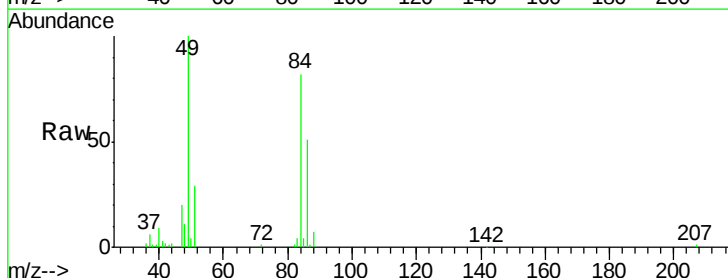
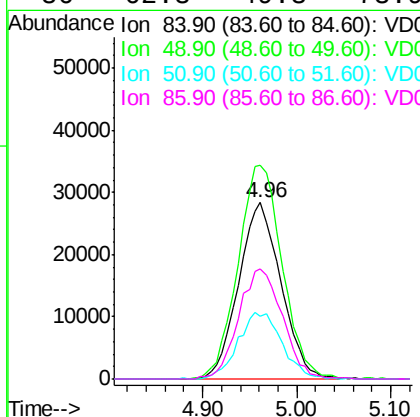
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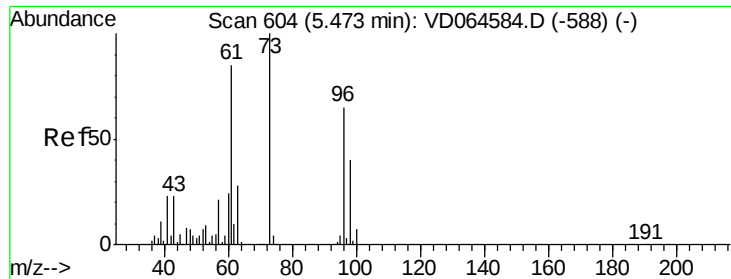
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#20
Methylene Chloride
Concen: 21.118 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 84 Resp: 88533
Ion Ratio Lower Upper
84 100
49 121.3 97.2 145.8
51 35.7 31.4 47.0
86 62.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.989 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

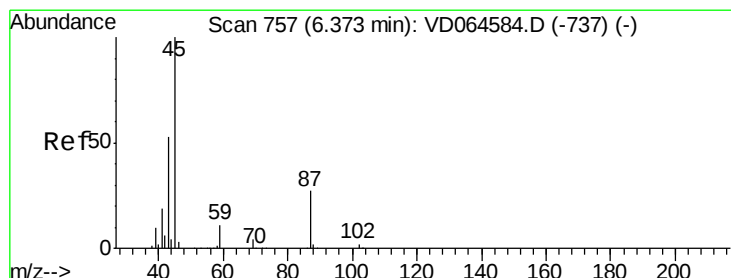
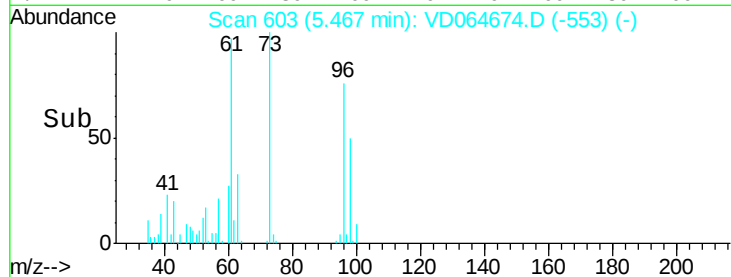
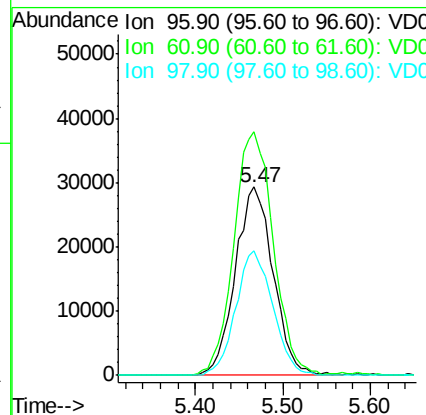
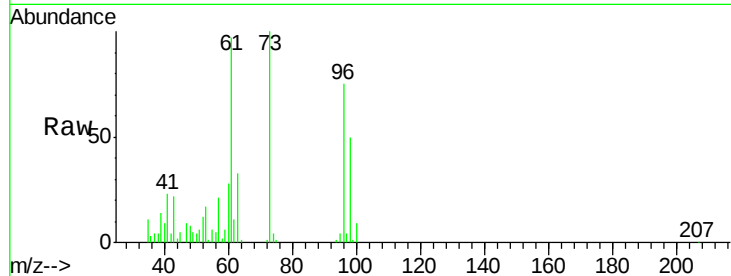
ClientSampleId :

VD1230SBS01

Tot Ion:	96	Resp:	86231
Ion	Ratio	Lower	Upper
96	100		
61	129.2	104.7	157.1
98	66.3	49.4	74.2

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#22

Diisopropyl ether

Concen: 21.081 ug/l

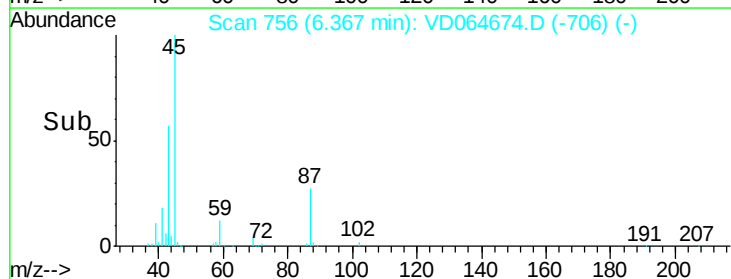
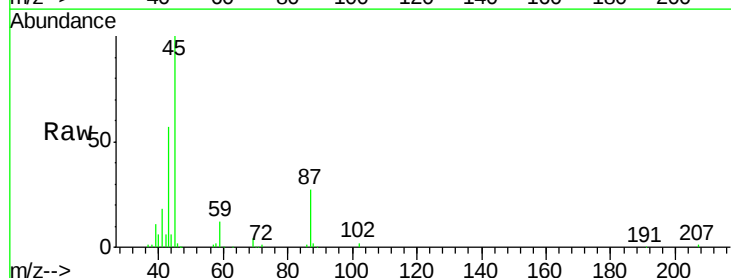
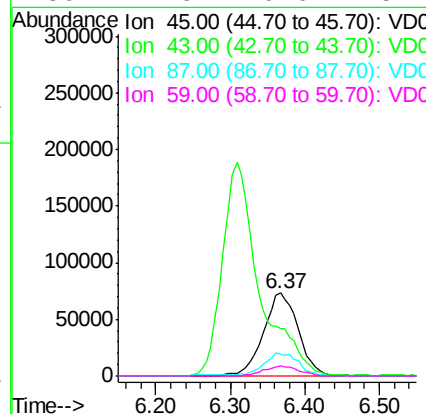
RT: 6.37 min Scan# 756

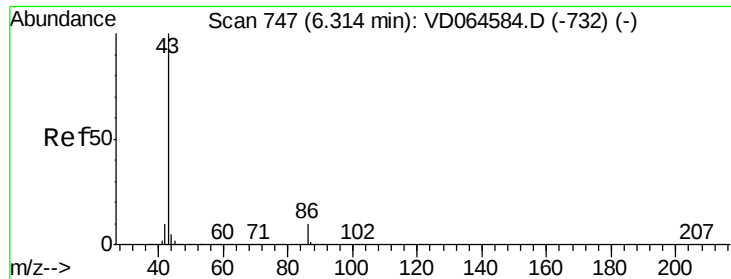
Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	45	Resp:	236507
Ion	Ratio	Lower	Upper
45	100		
43	56.1	43.2	64.8
87	26.5	21.9	32.9
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 102.308 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 43 Resp: 651094

Ion Ratio Lower Upper

43 100

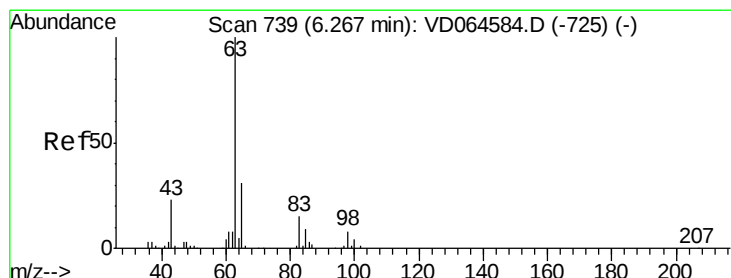
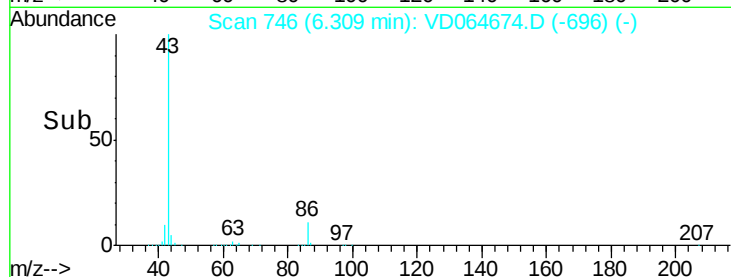
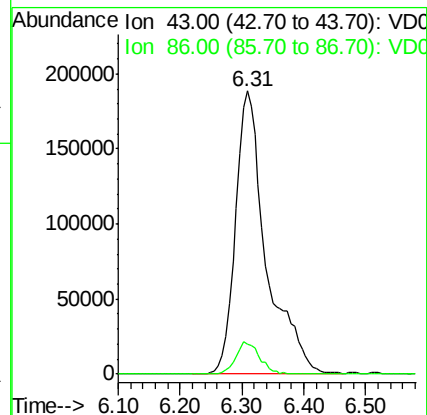
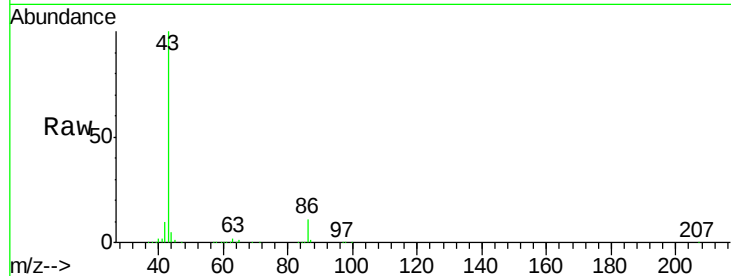
86 10.7 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.244 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

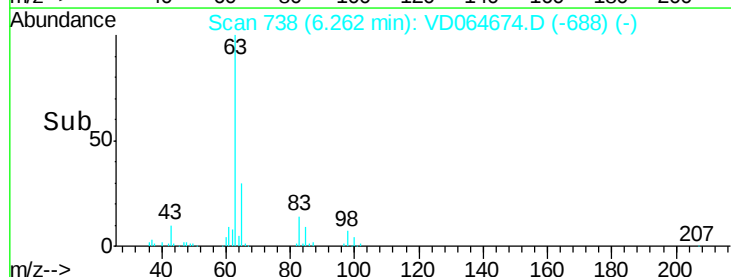
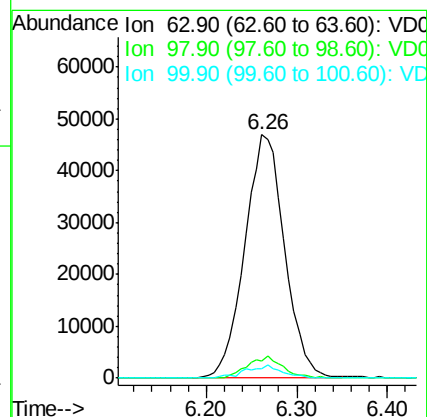
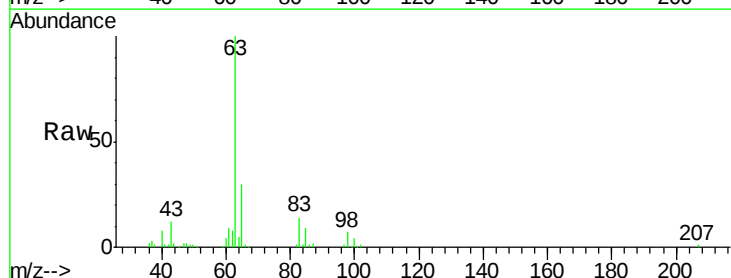
Tgt Ion: 63 Resp: 143078

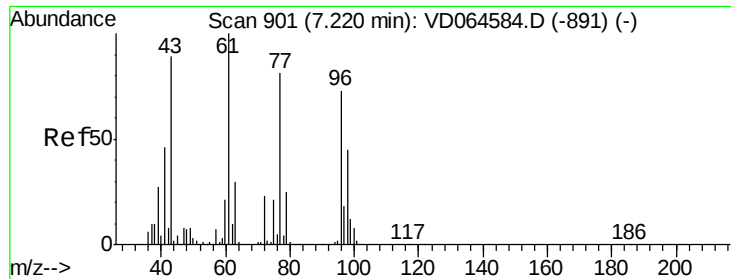
Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

100 4.1 2.2 6.6





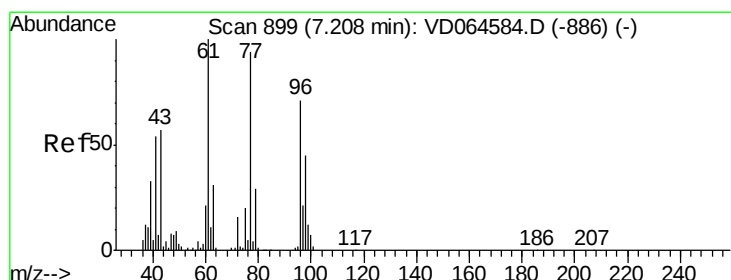
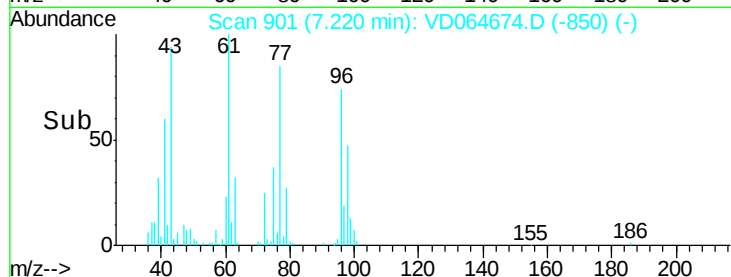
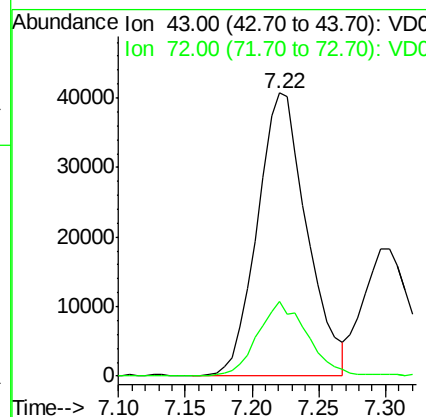
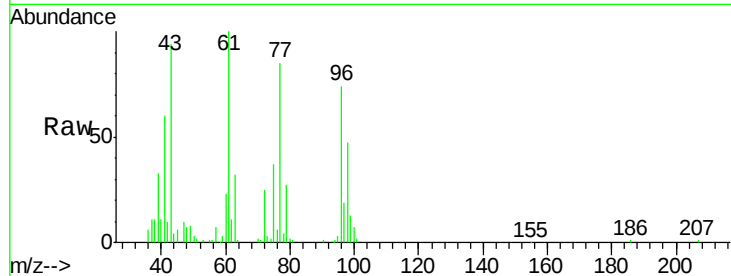
#25
2-Butanone
Concen: 105.564 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 43 Resp: 104919
Ion Ratio Lower Upper
43 100
72 26.6 20.7 31.1

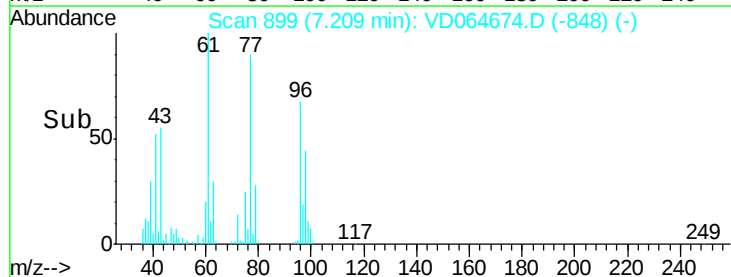
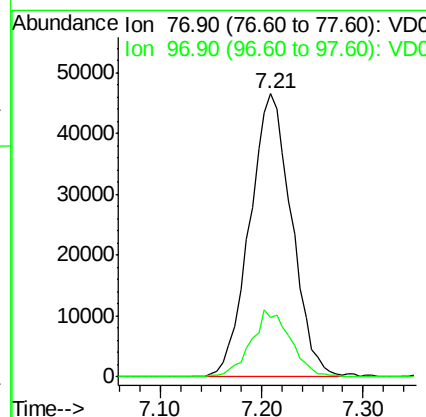
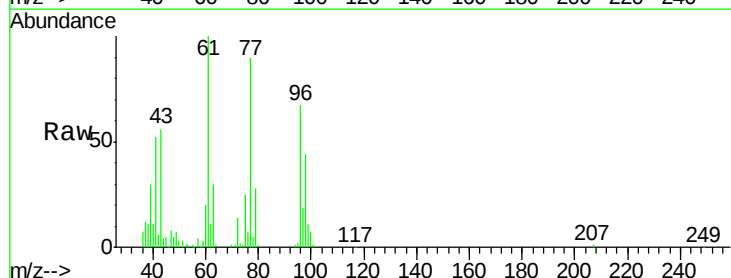
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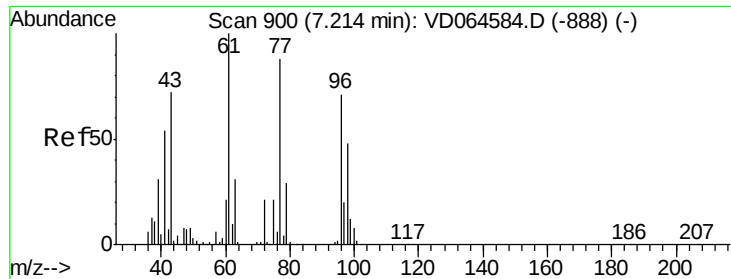
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#26
2,2-Dichloropropane
Concen: 21.345 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 77 Resp: 133660
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





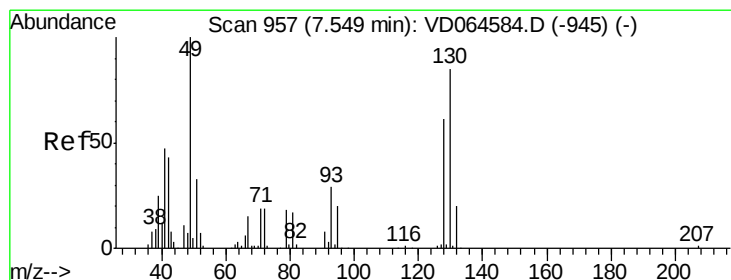
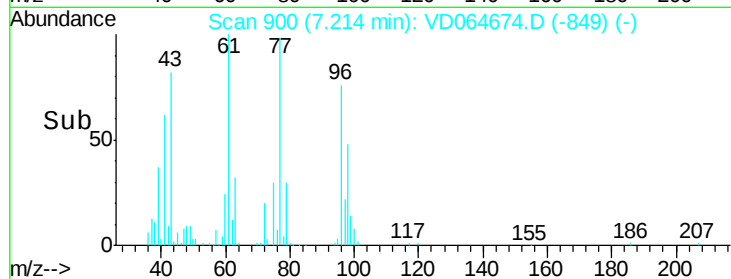
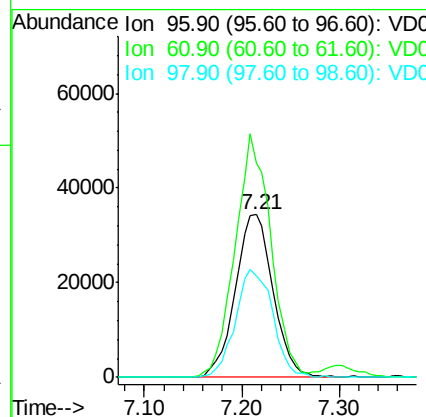
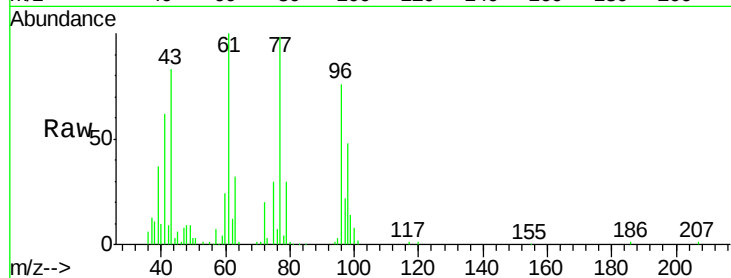
#27
 cis-1,2-Dichloroethene
 Concen: 20.963 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	282.6
98	65.6	0.0	130.8

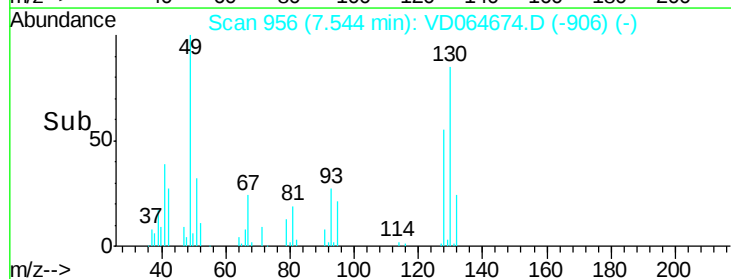
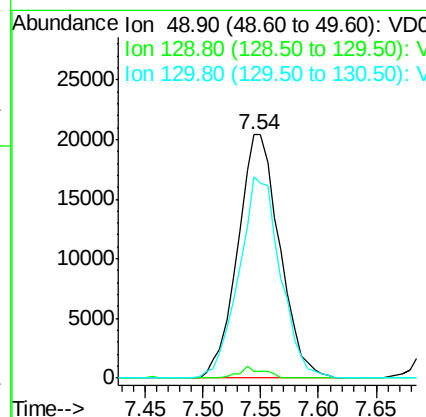
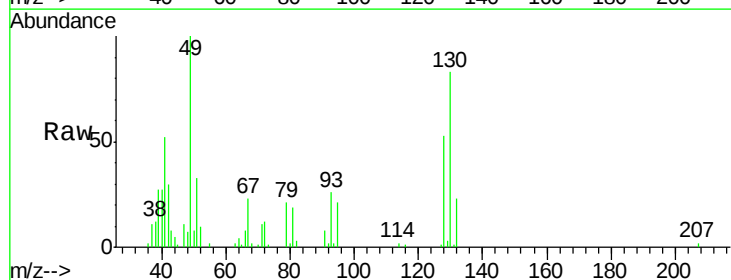
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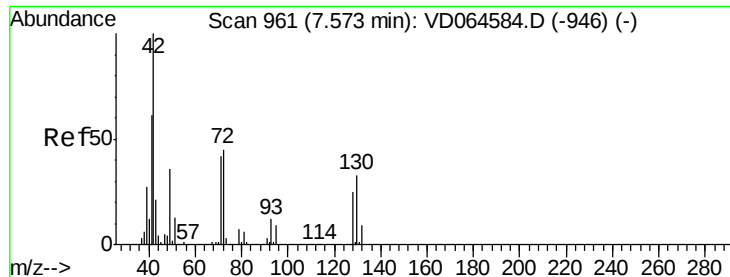
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#28
 Bromochloromethane
 Concen: 19.709 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	81.5	65.0	97.6





#29

Tetrahydrofuran

Concen: 99.272 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

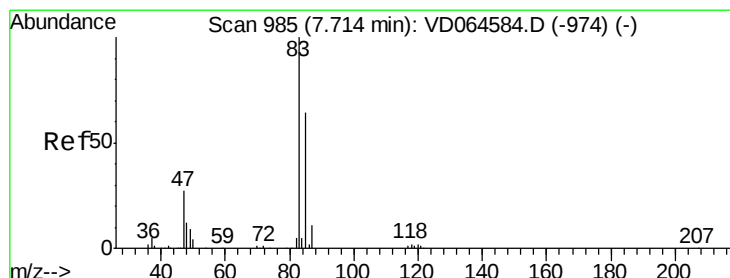
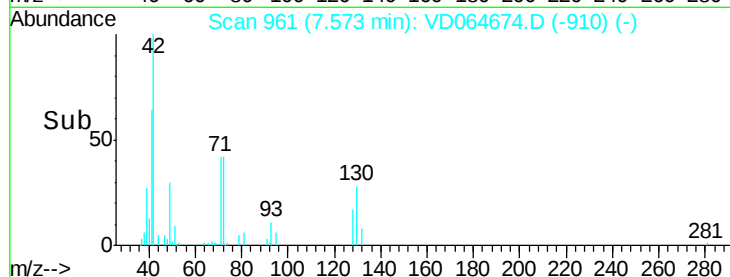
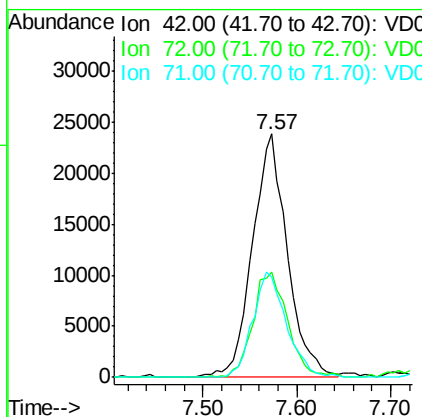
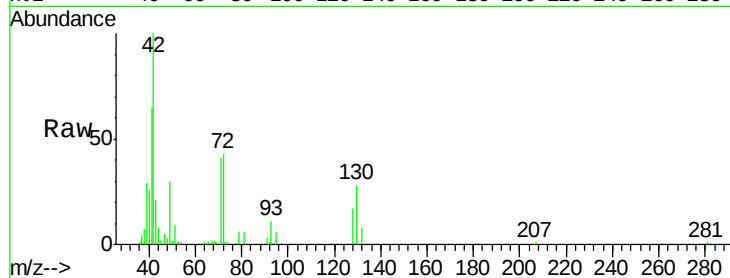
ClientSampleId :

VD1230SBS01

Tot Ion:	42	Resp:	61358
Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.0	52.4
71	41.7	32.9	49.3

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#30

Chloroform

Concen: 21.028 ug/l

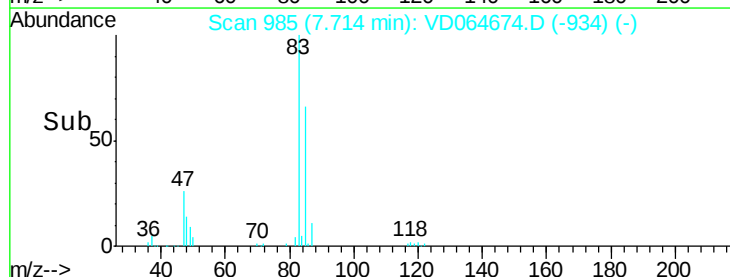
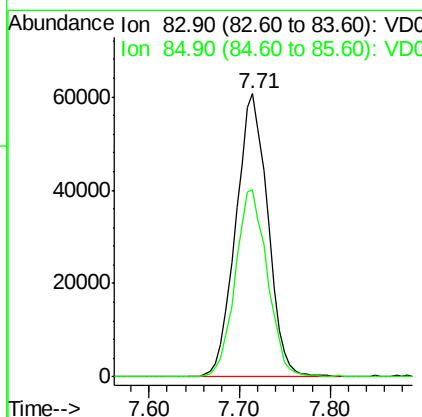
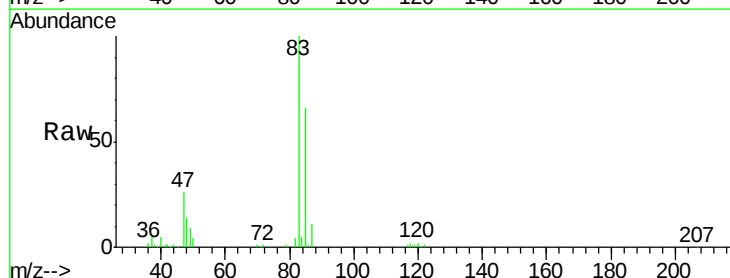
RT: 7.71 min Scan# 985

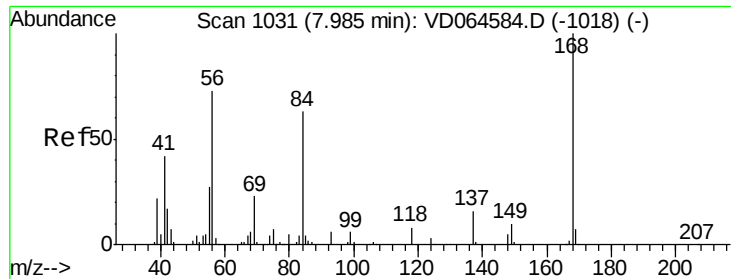
Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	83	Resp:	148585
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.1	76.7





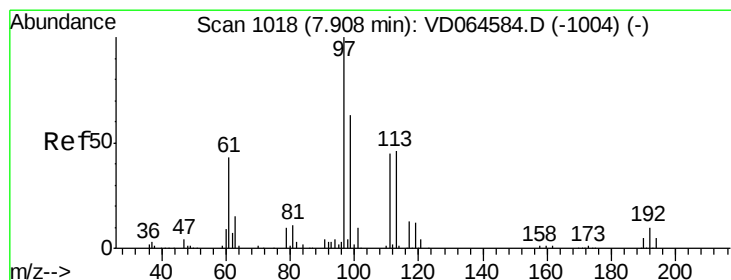
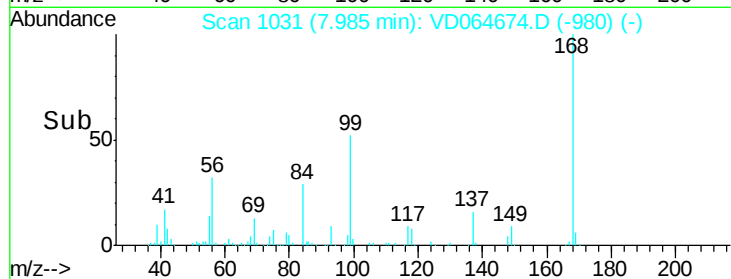
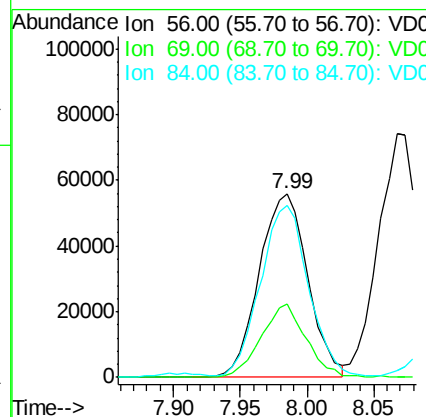
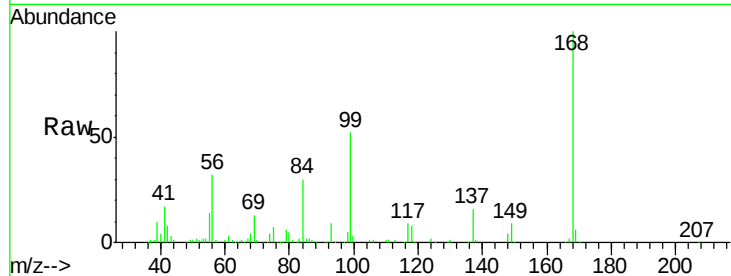
#31
Cyclohexane
Concen: 20.945 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleID :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.7	24.7	37.1#
84	92.5	69.4	104.2

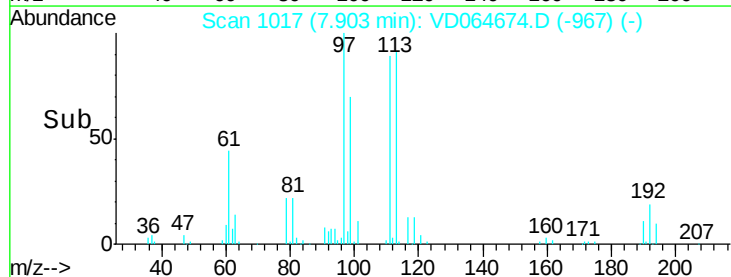
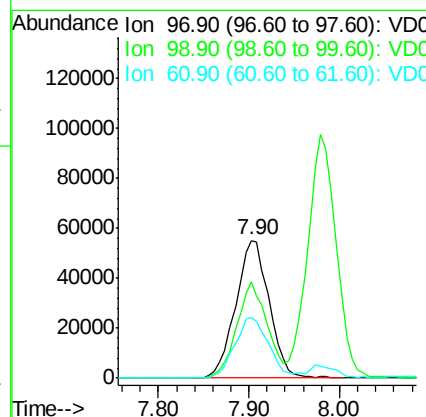
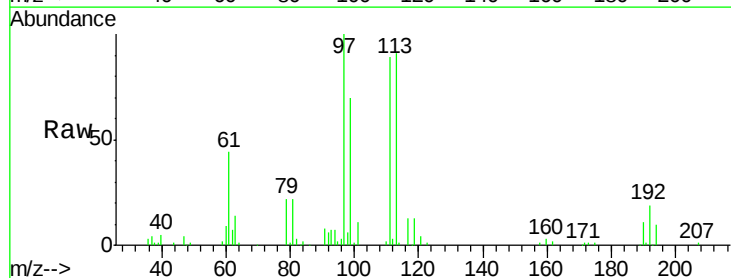
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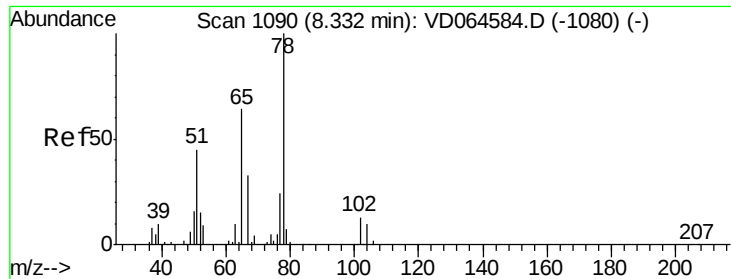
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#32
1,1,1-Trichloroethane
Concen: 21.335 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	44.1	35.4	53.0





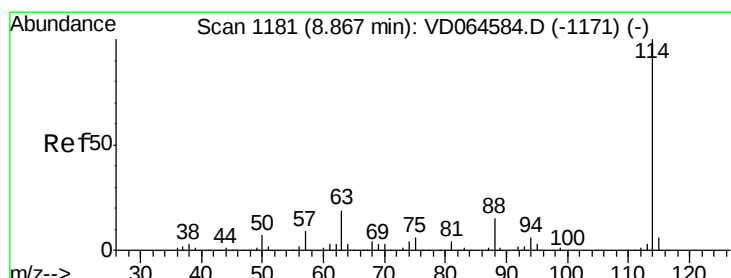
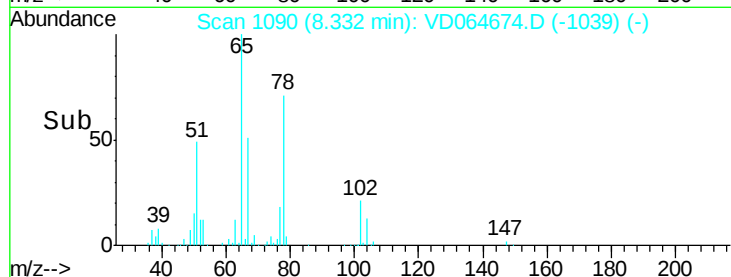
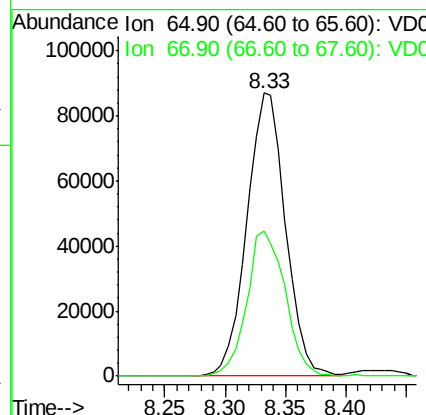
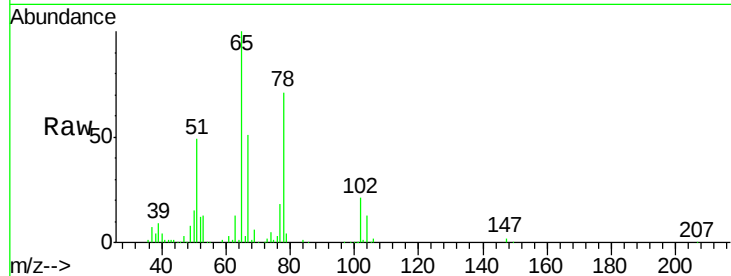
#33
 1,2-Dichloroethane-d4
 Concen: 53.614 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193856		
67	51.1	0.0	106.2	

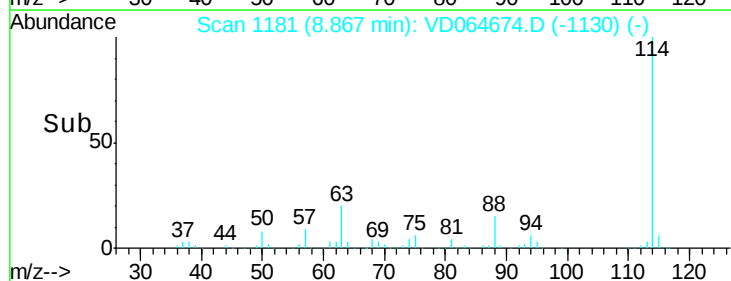
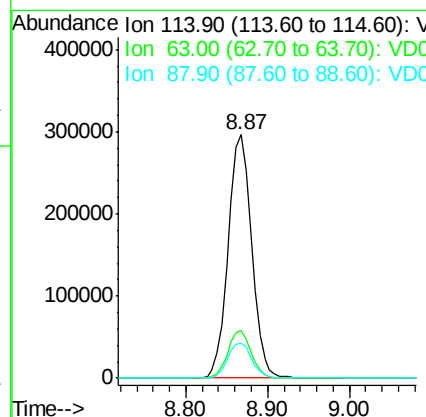
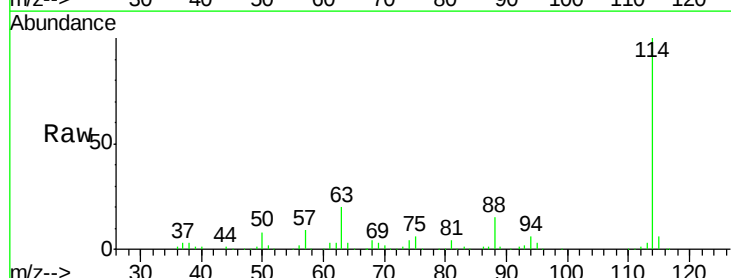
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	596595		
63	19.8	0.0	38.0	
88	14.6	0.0	29.2	





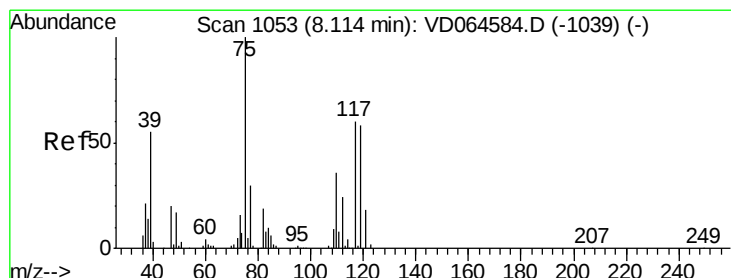
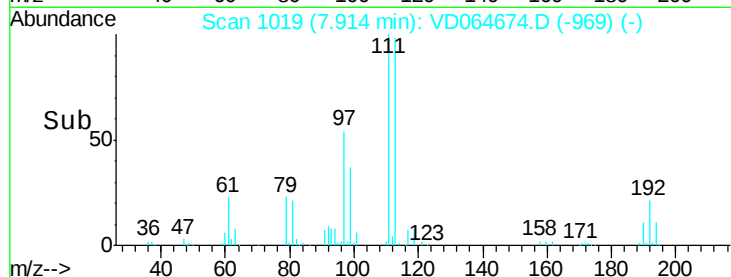
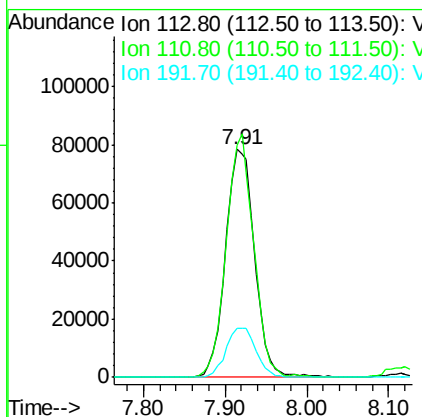
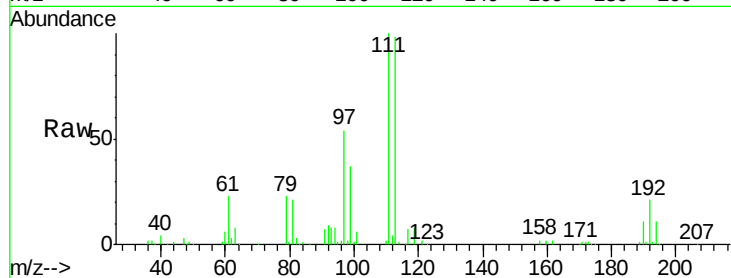
#35
 Dibromofluoromethane
 Concen: 53.205 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194740		
111	99.8	80.6	121.0	
192	22.2	17.9	26.9	

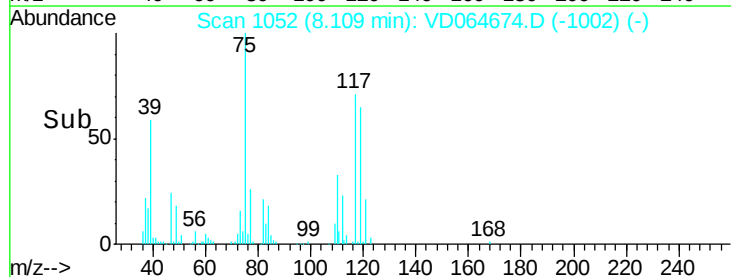
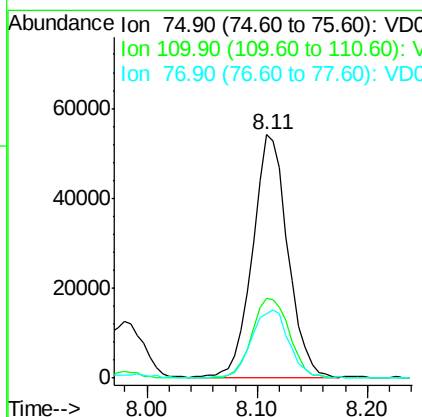
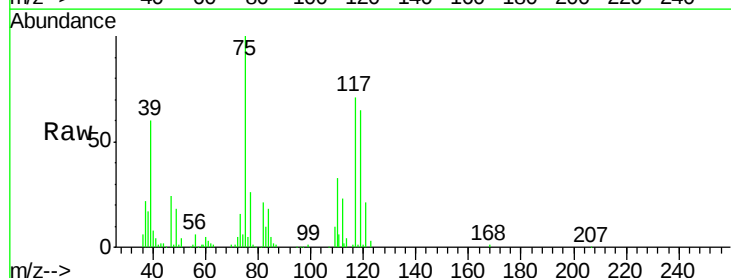
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#36
 1,1-Dichloropropene
 Concen: 21.263 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122094		
110	34.8	18.1	54.1	
77	29.5	24.2	36.4	





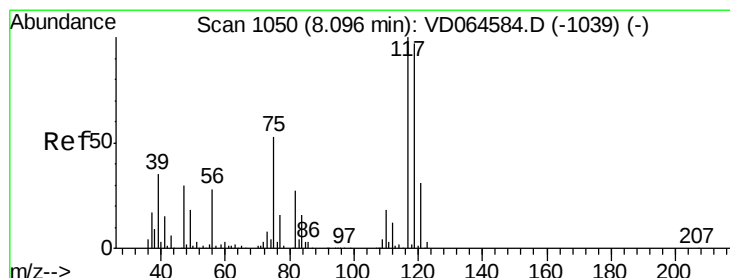
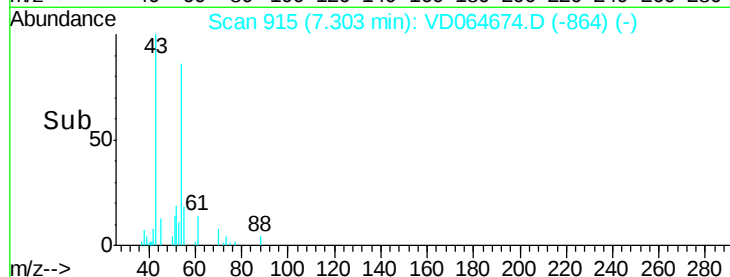
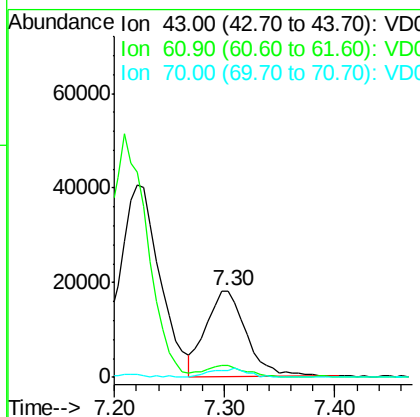
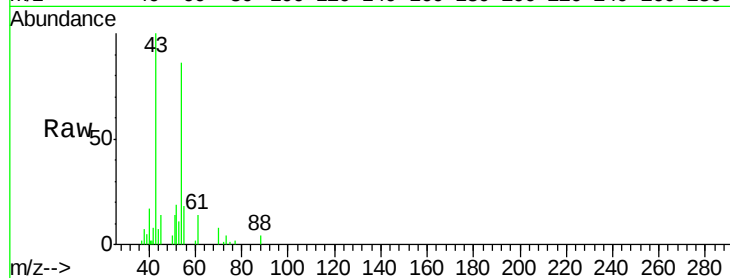
#37
Ethyl Acetate
Concen: 20.472 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	9.7	7.6	11.4

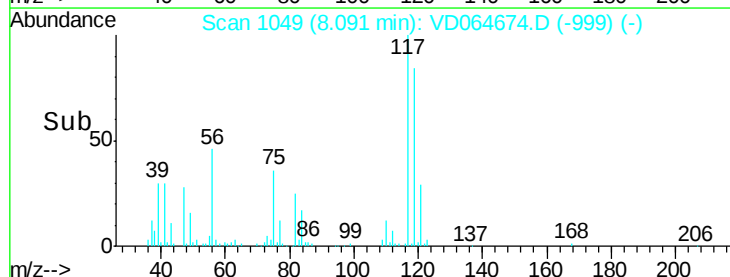
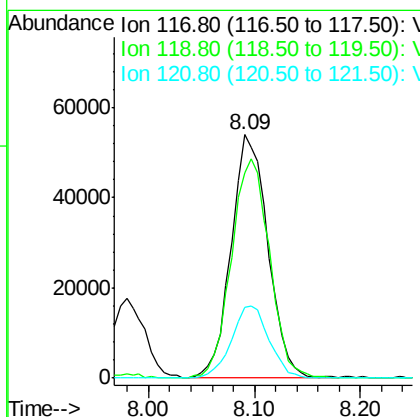
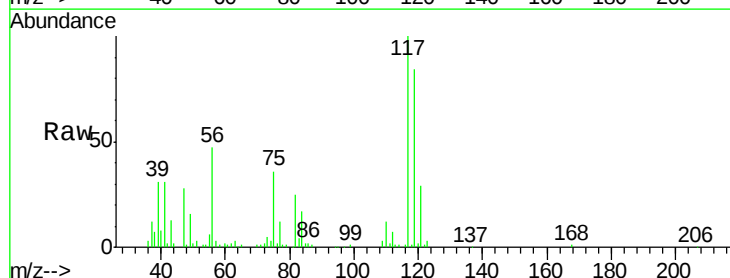
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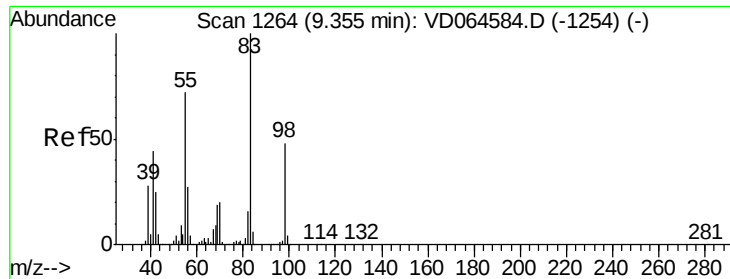
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#38
Carbon Tetrachloride
Concen: 21.287 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.2	77.3	115.9
121	29.0	25.0	37.6





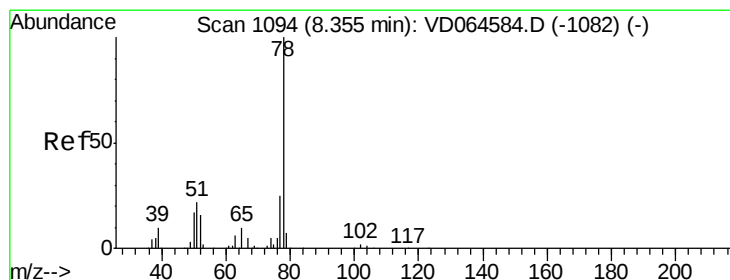
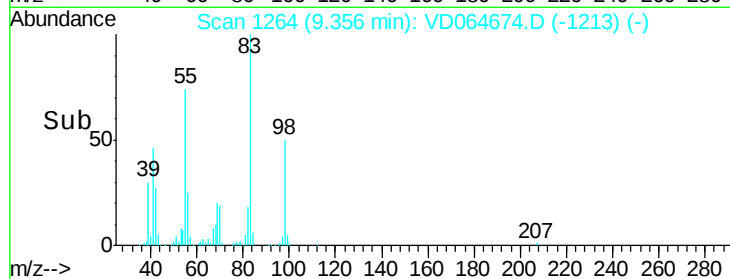
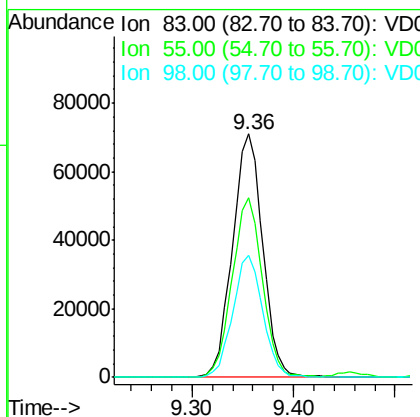
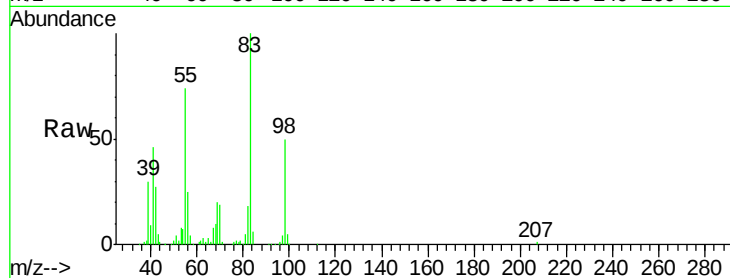
#39
Methvlcvclohexane
Concen: 21.161 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	57.8	86.6
98	50.2	38.7	58.1

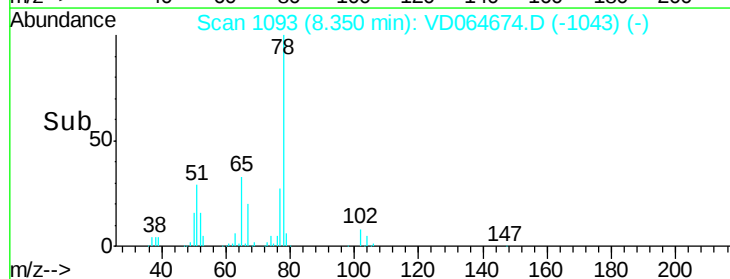
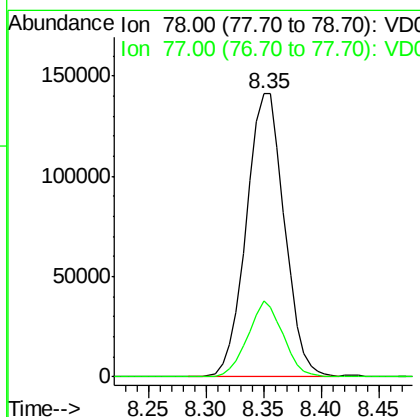
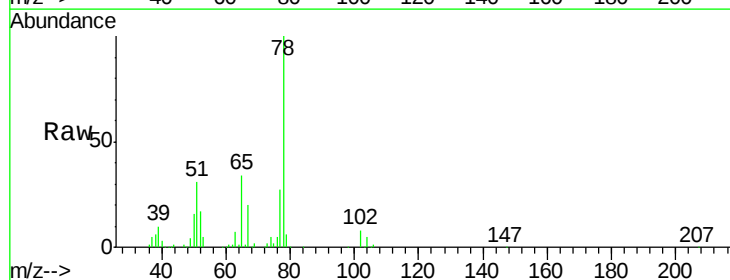
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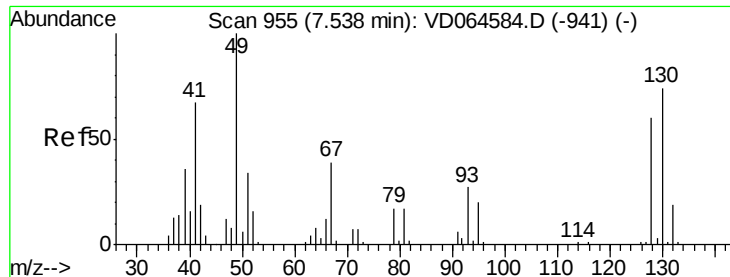
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#40
Benzene
Concen: 20.779 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.9	29.9





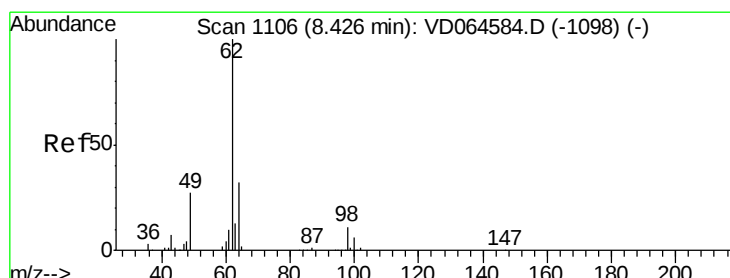
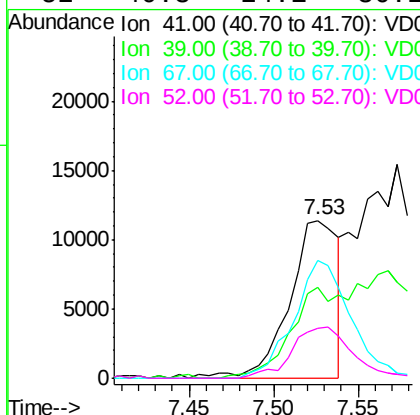
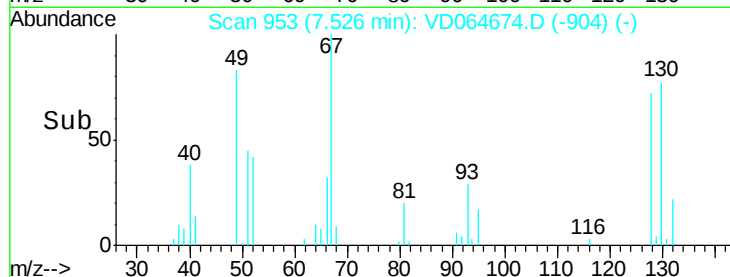
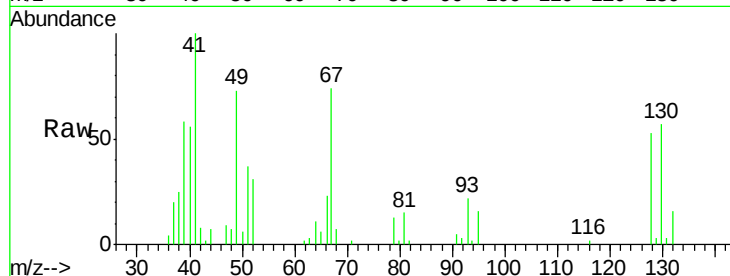
#41
Methacrylonitrile
Concen: 17.371 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.3	46.7	70.1#
67	86.7	52.5	78.7#
52	40.3	24.1	36.1#

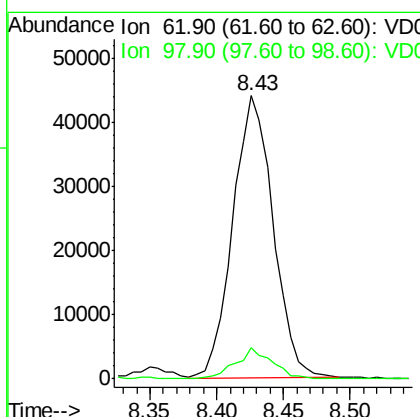
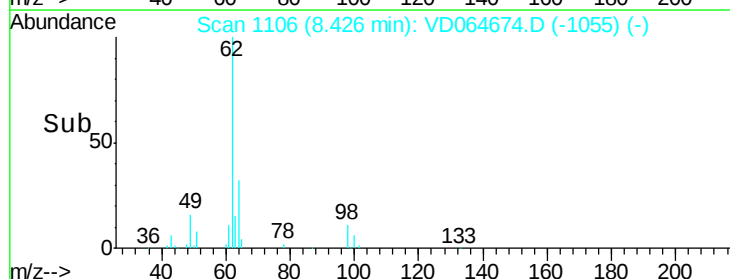
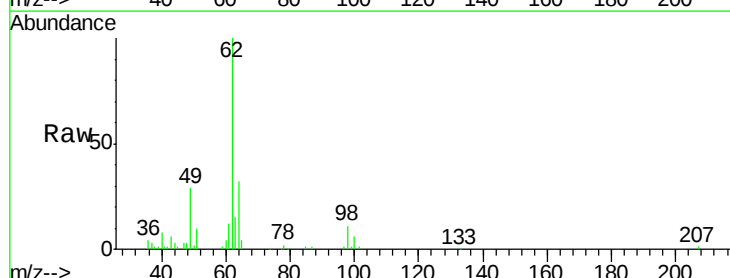
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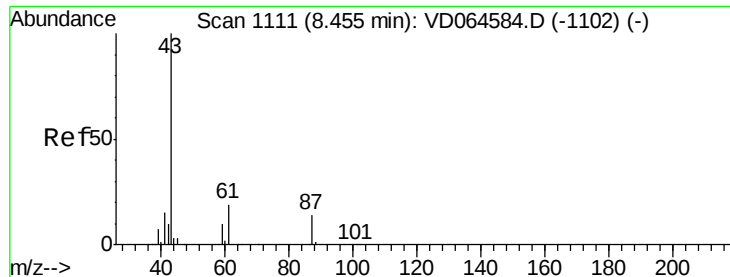
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#42
1,2-Dichloroethane
Concen: 20.435 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





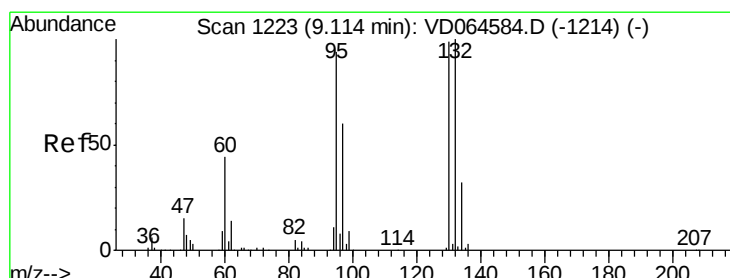
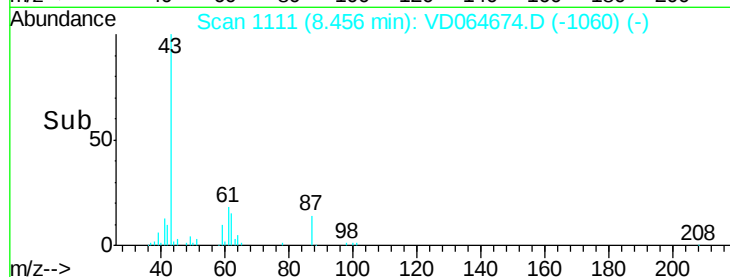
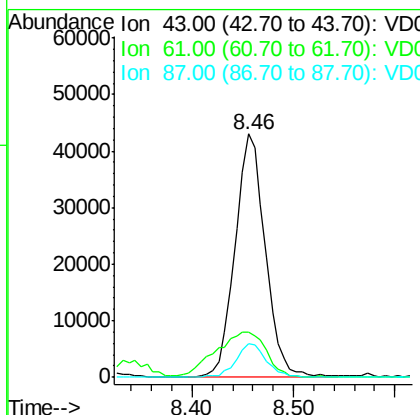
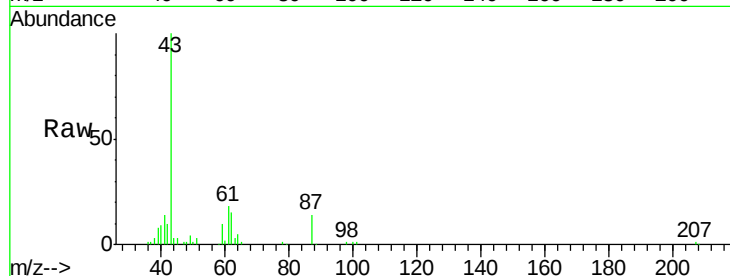
#43
Isopropyl Acetate
Concen: 19.910 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.7	35.5
87	13.7	10.5	15.7

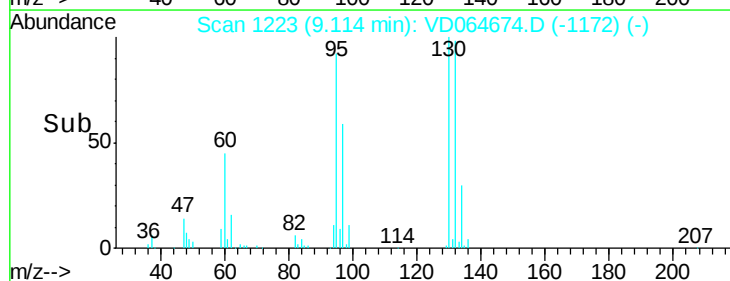
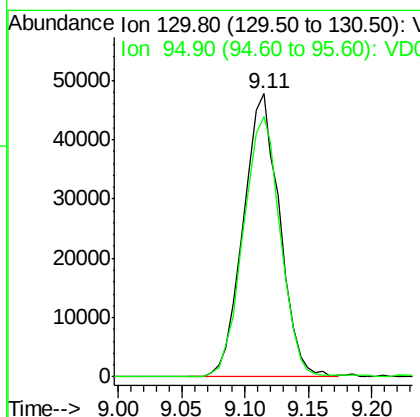
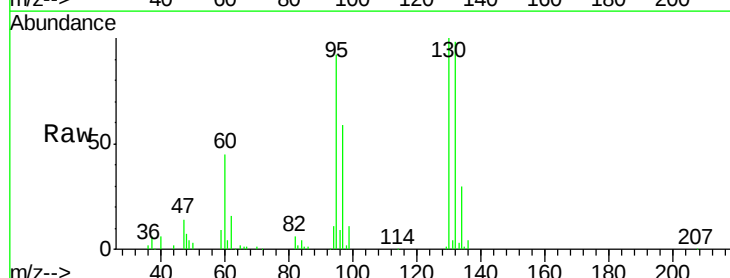
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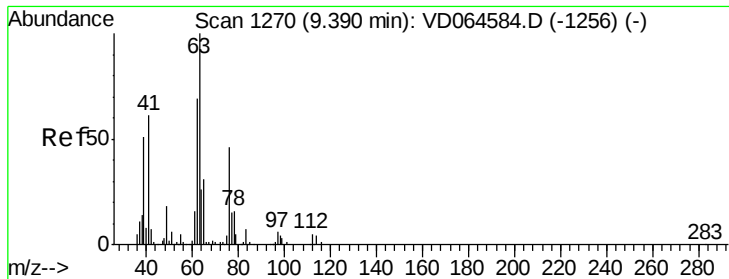
apatel
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#44
Trichloroethene
Concen: 20.702 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	190.2





#45

1,2-Dichloropropane

Concen: 21.649 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 63 Resp: 81027

Ion Ratio Lower Upper

63 100

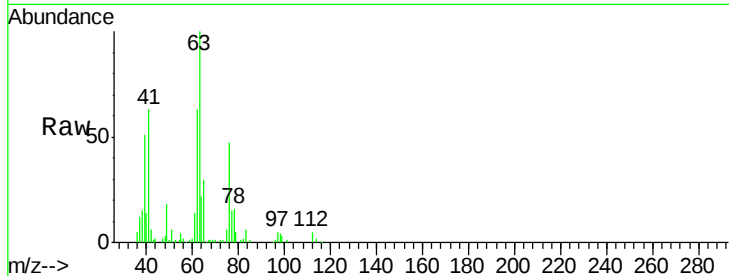
65 29.8 25.2 37.8

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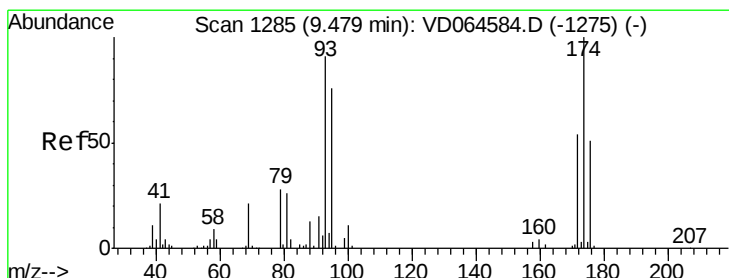
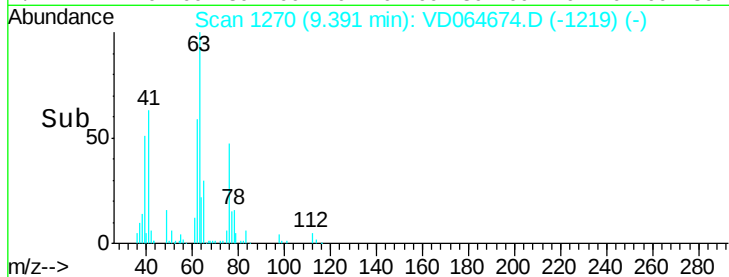
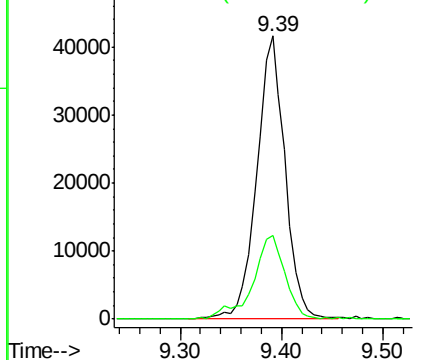
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.706 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

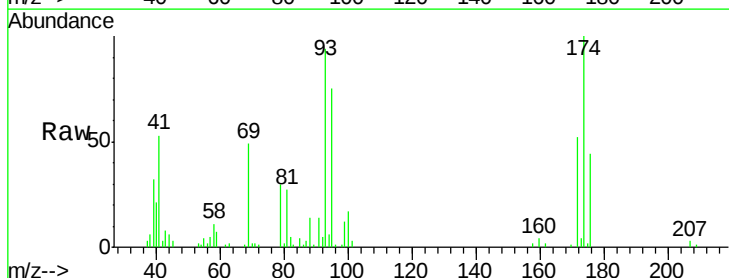
Tgt Ion: 93 Resp: 43208

Ion Ratio Lower Upper

93 100

95 82.9 64.6 97.0

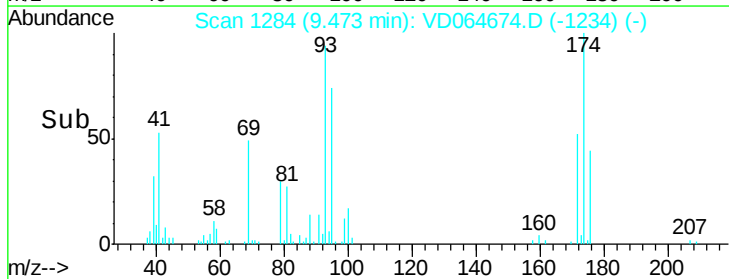
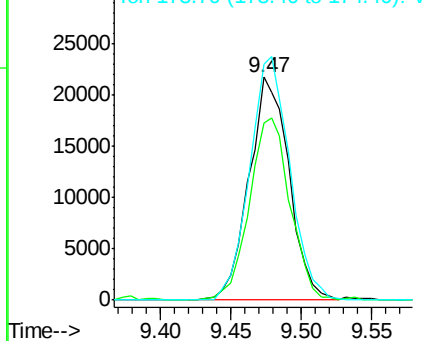
174 109.3 88.1 132.1

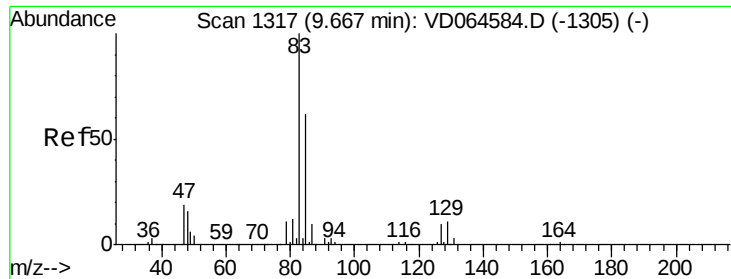


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.534 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

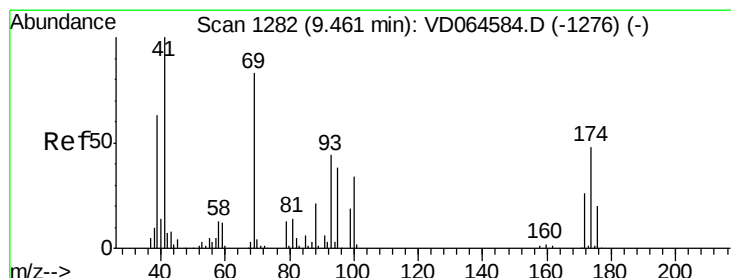
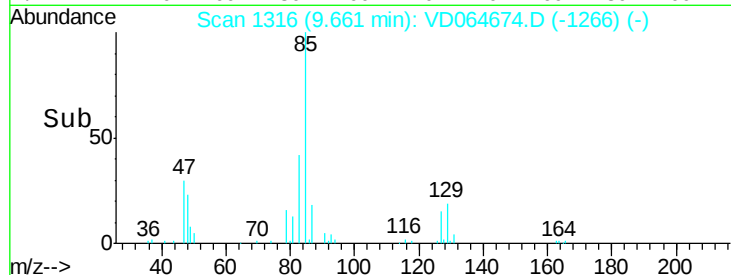
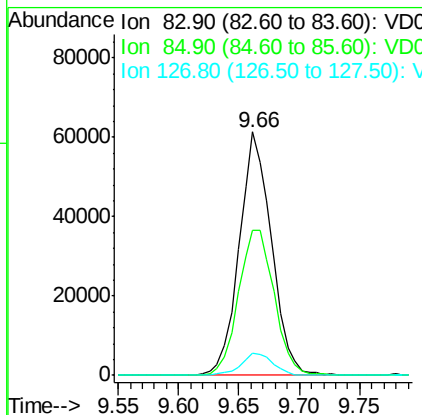
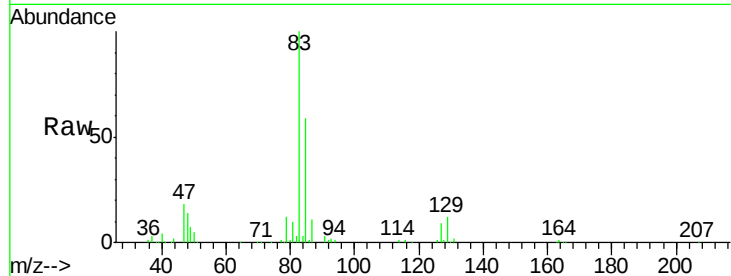
ClientSampleId :

VD1230SBS01

Tot Ion:	83	Resp:	114018
Ion	Ratio	Lower	Upper
83	100		
85	59.4	49.5	74.3
127	8.8	7.8	11.6

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#48

Methyl methacrylate

Concen: 19.304 ug/l

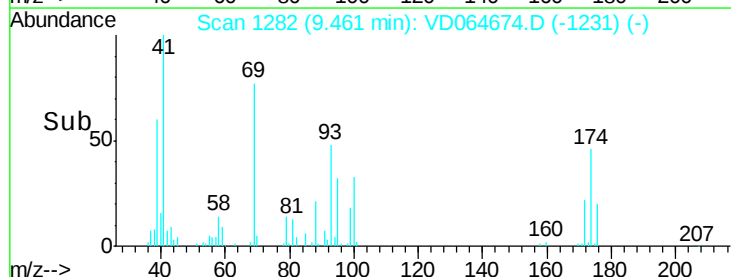
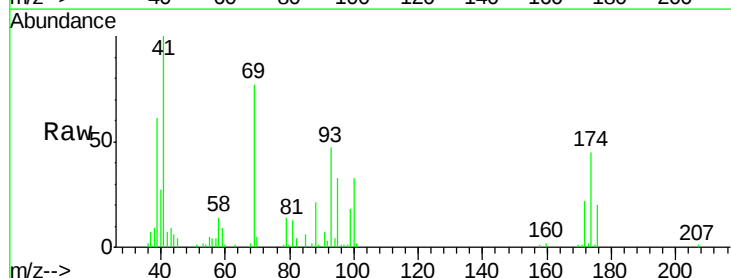
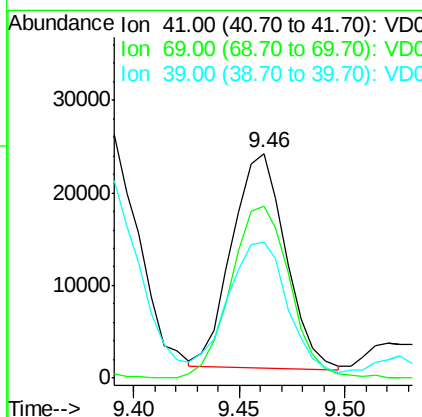
RT: 9.46 min Scan# 1282

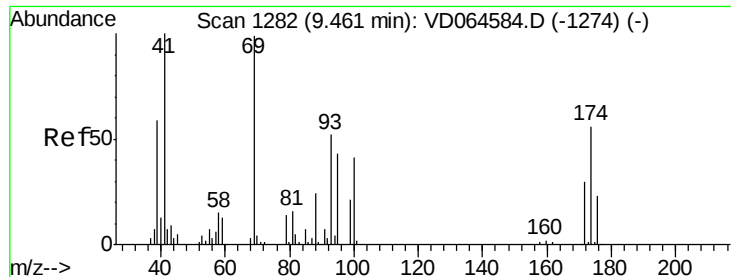
Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	41	Resp:	40811
Ion	Ratio	Lower	Upper
41	100		
69	88.1	63.0	94.6
39	72.9	47.4	71.2#





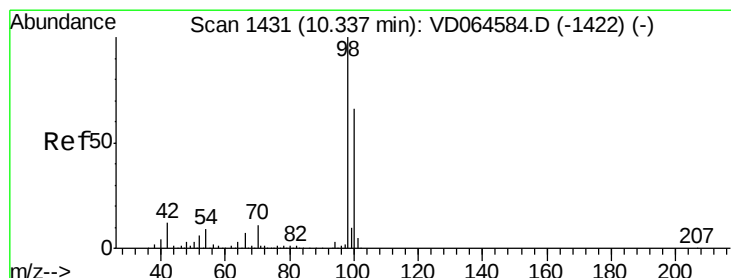
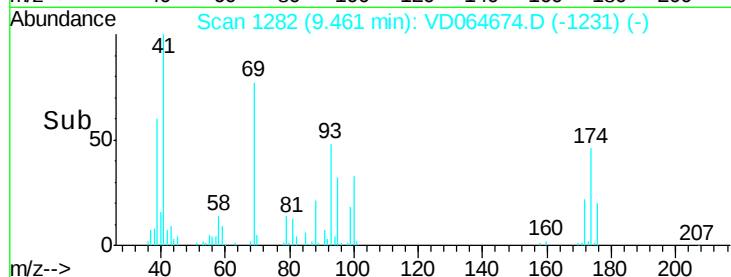
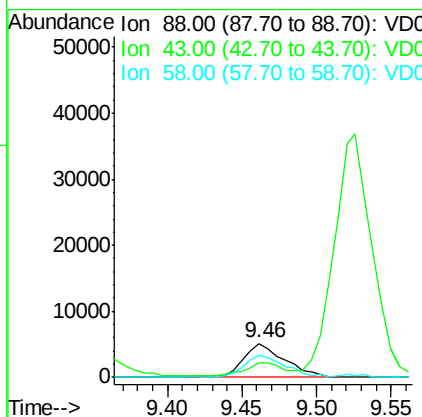
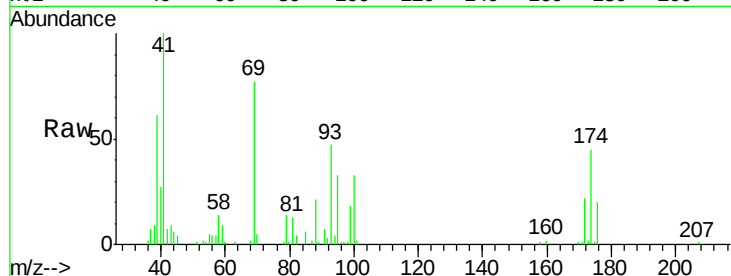
#49
1,4-Dioxane
Concen: 403.138 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	88	Resp	9700
Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.7	41.5
58	66.2	53.8	80.6

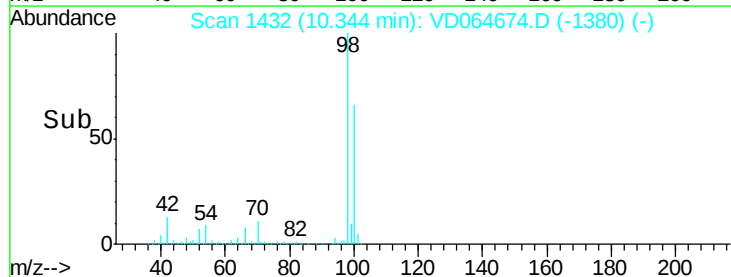
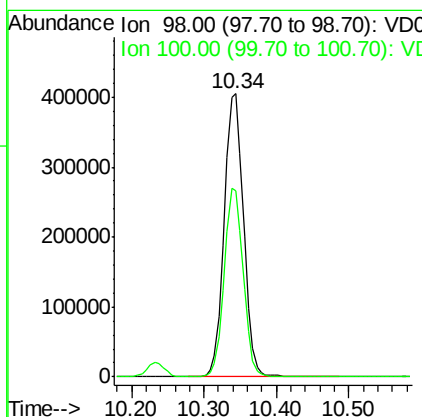
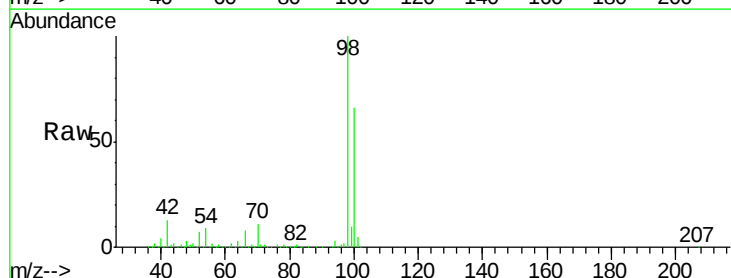
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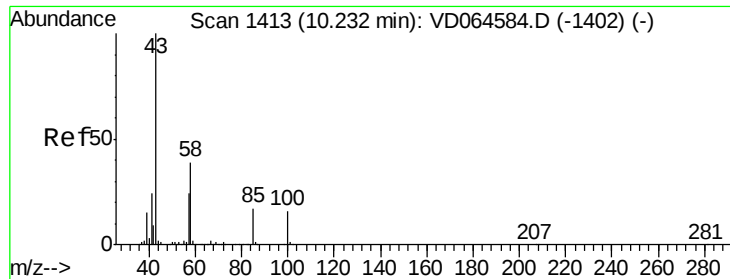
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#50
Toluene-d8
Concen: 53.657 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	98	Resp	752176
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 100.293 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleID :

VD1230SBS01

Tot Ion: 43 Resp: 222583

Ion Ratio Lower Upper

43 100

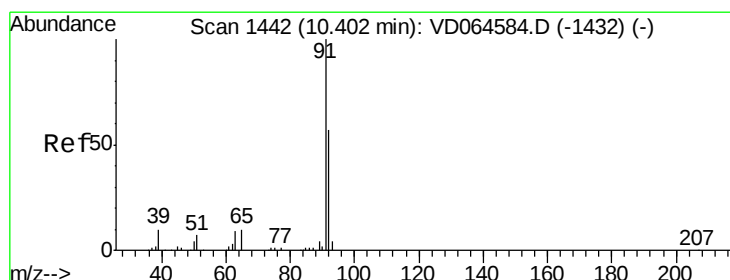
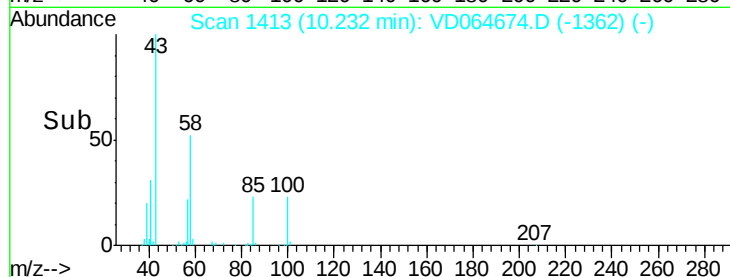
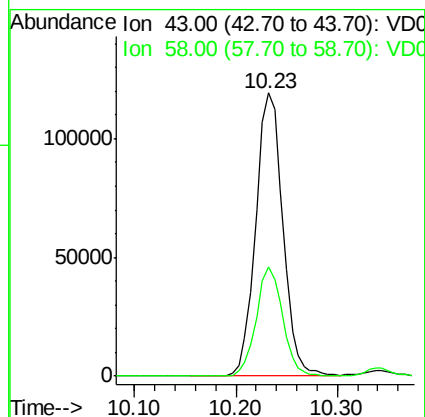
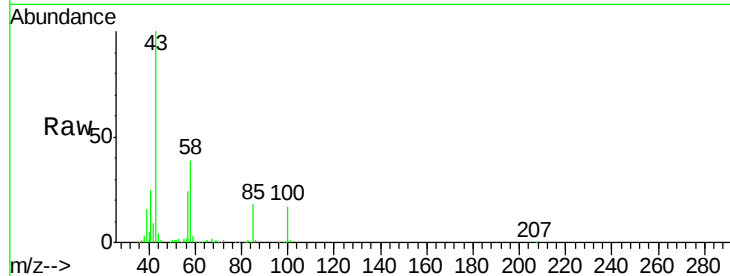
58 37.5 30.2 45.2

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#52

Toluene

Concen: 20.716 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064674.D

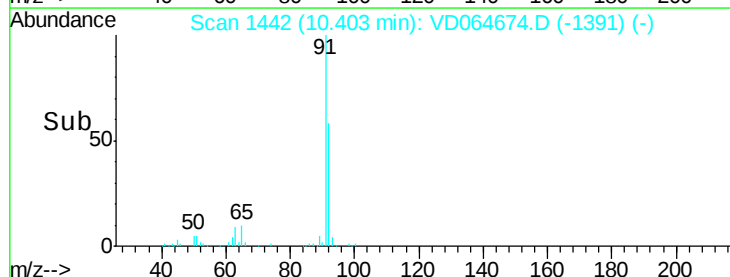
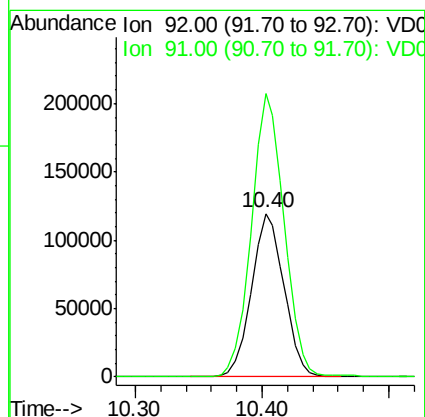
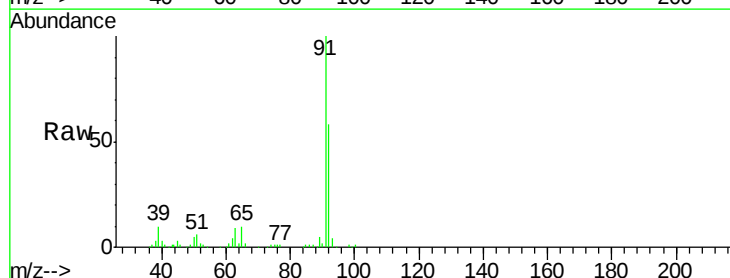
Acq: 30 Dec 2019 13:14

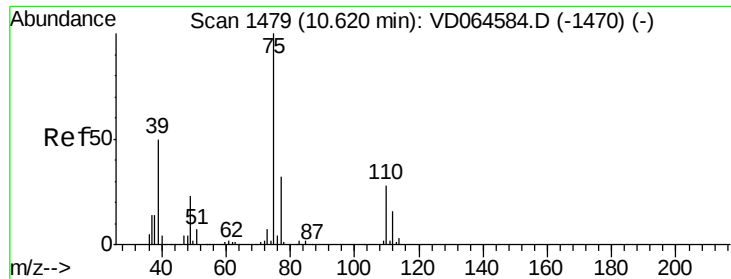
Tgt Ion: 92 Resp: 213053

Ion Ratio Lower Upper

92 100

91 173.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.909 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 75 Resp: 108243

Ion Ratio Lower Upper

75 100

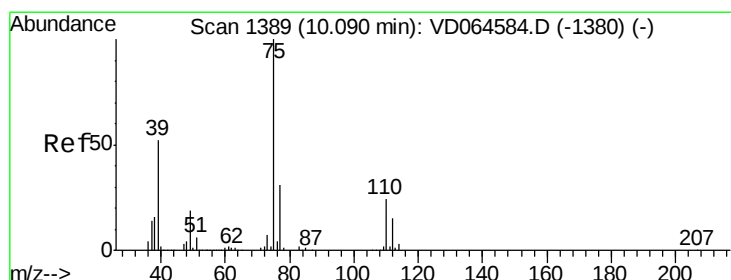
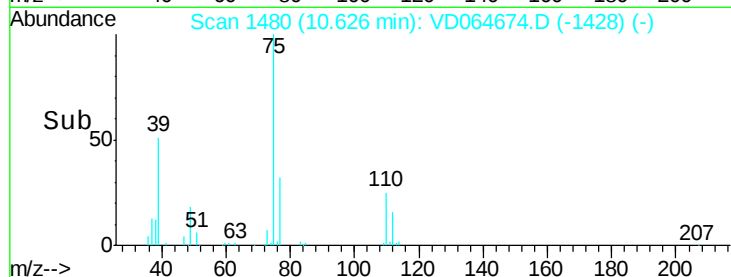
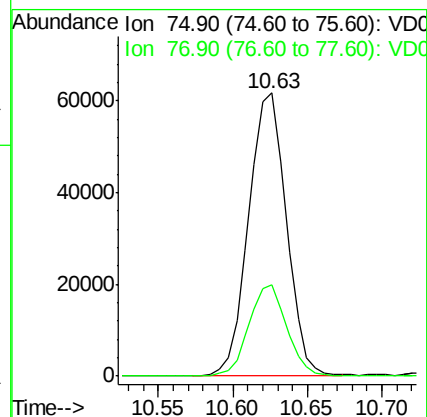
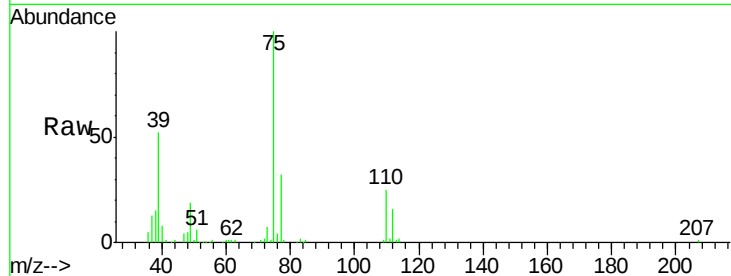
77 32.1 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

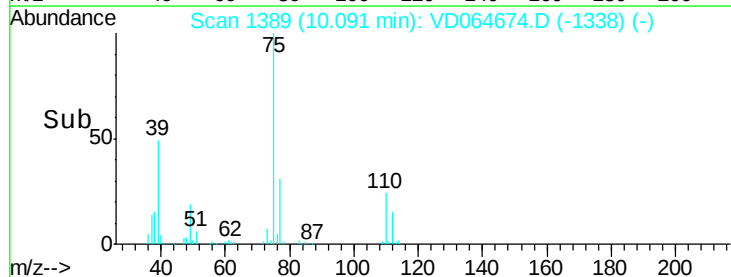
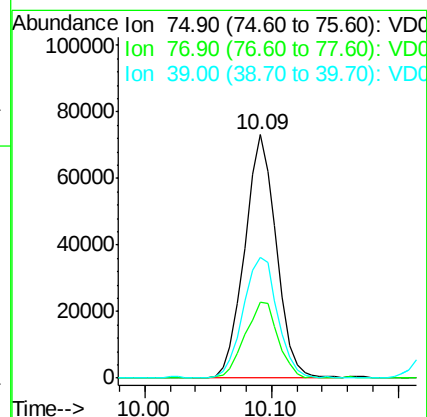
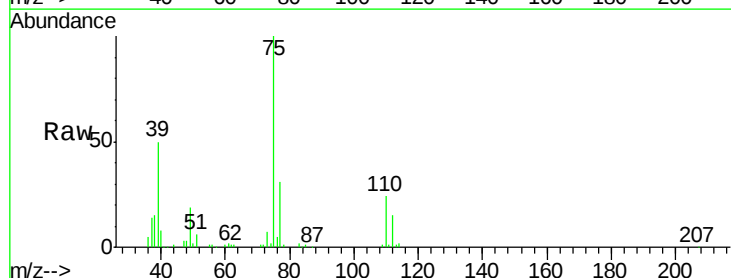
Tgt Ion: 75 Resp: 126726

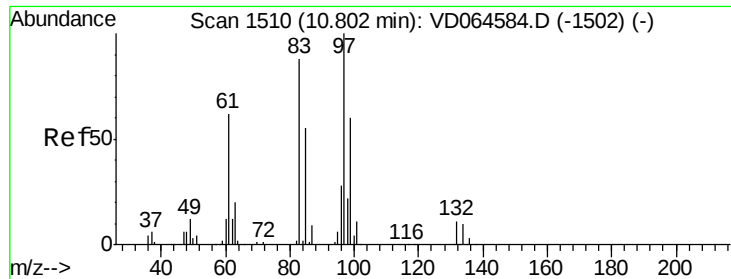
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 49.6 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.277 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

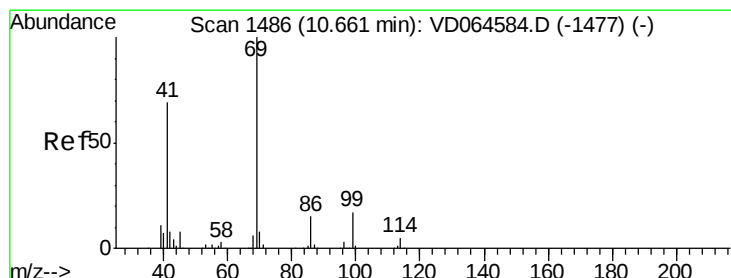
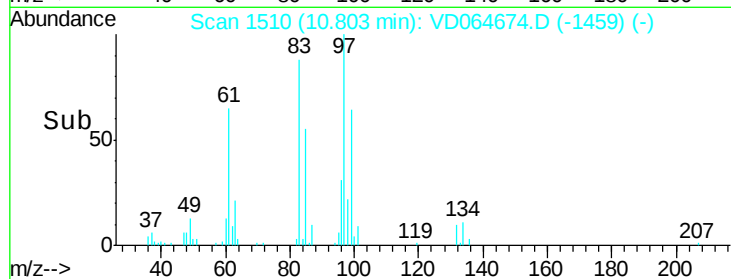
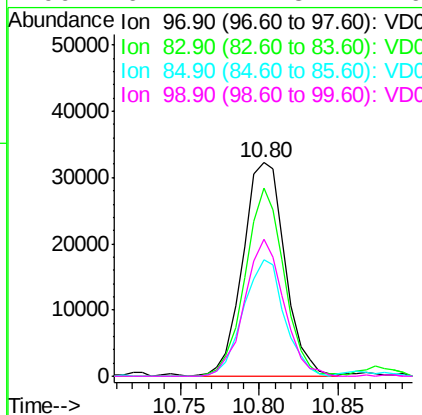
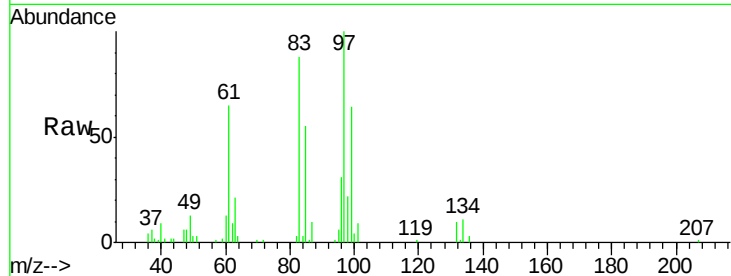
ClientSampleId :

VD1230SBS01

Tot Ion:	97	Resp:	59836
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.2	105.4
85	54.7	44.0	66.0
99	64.2	47.8	71.6

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#56

Ethyl methacrylate

Concen: 19.948 ug/l

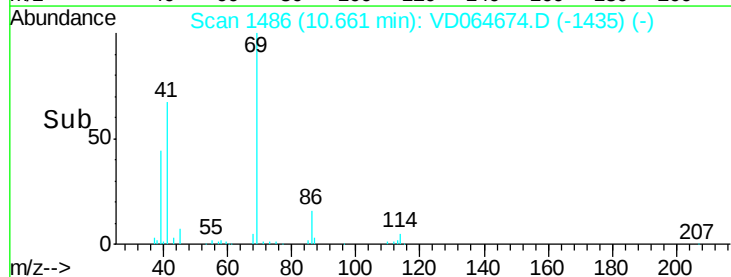
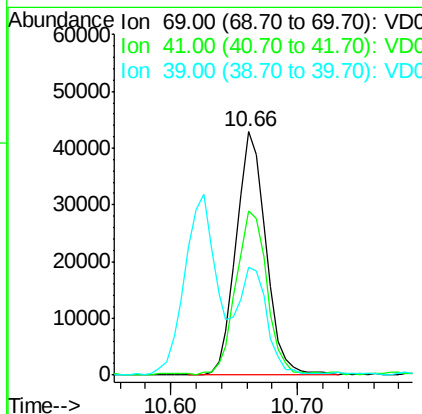
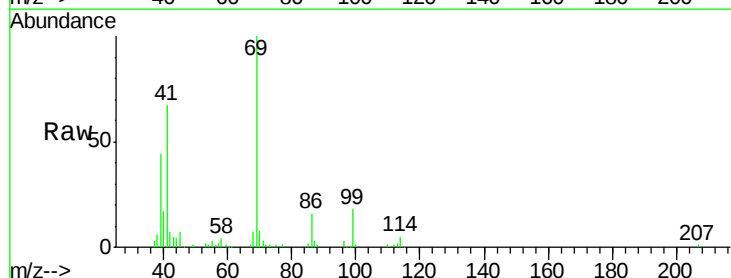
RT: 10.66 min Scan# 1486

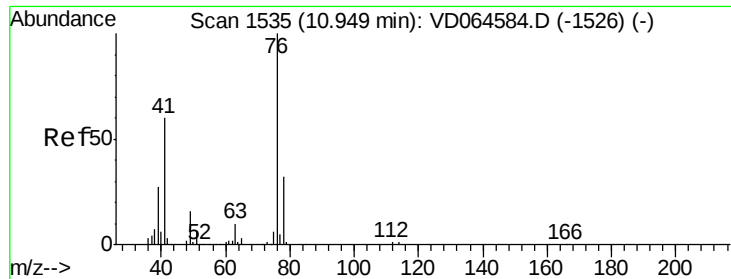
Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	69	Resp:	70059
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.3	82.9
39	42.5	33.8	50.8





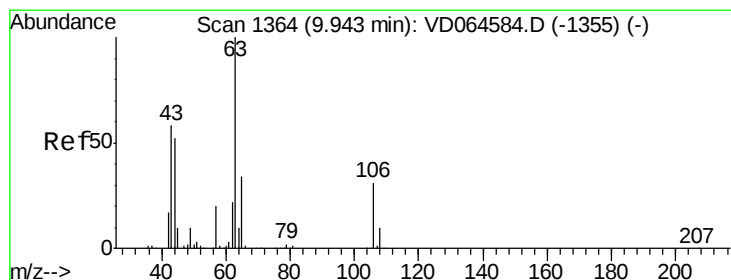
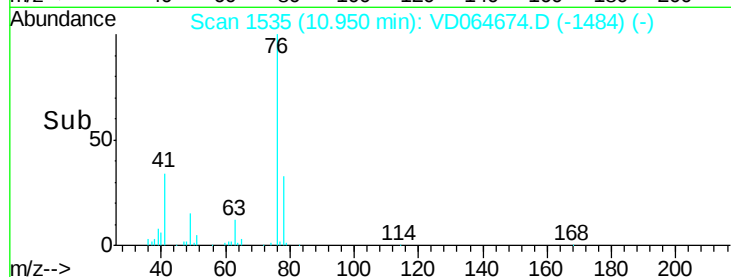
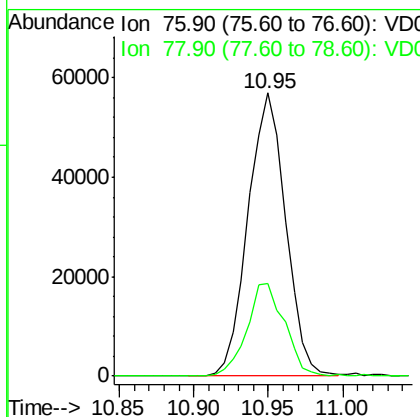
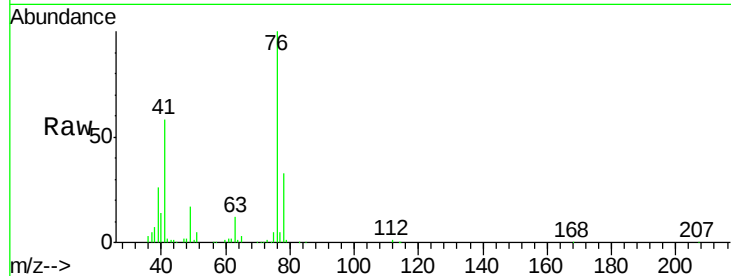
#57
 1,3-Dichloropropane
 Concen: 20.512 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

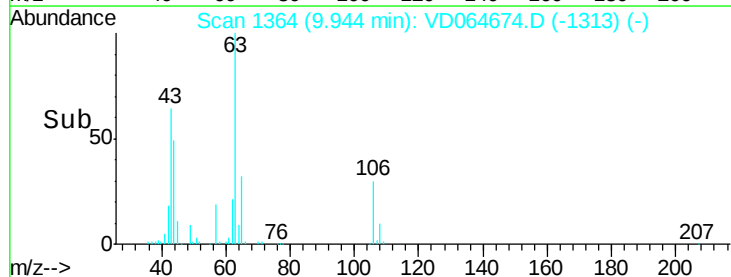
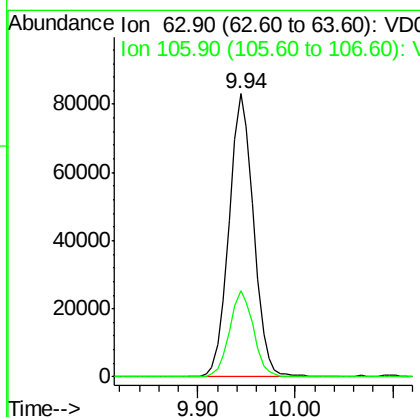
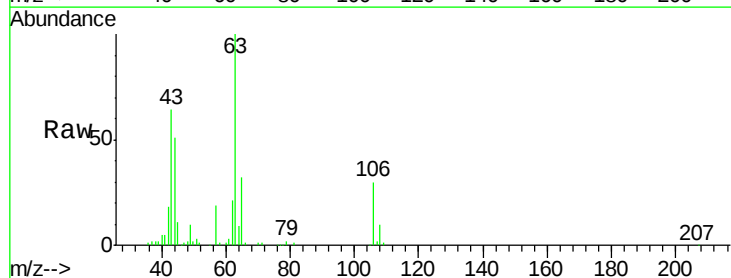
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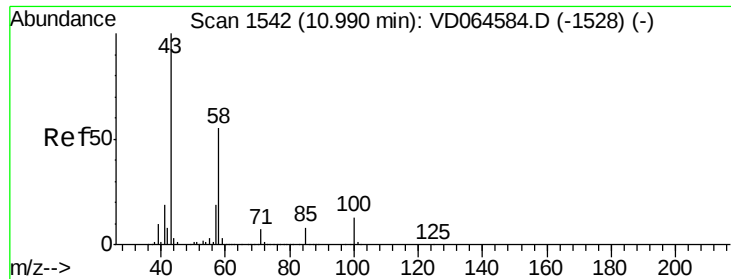
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.623 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.8





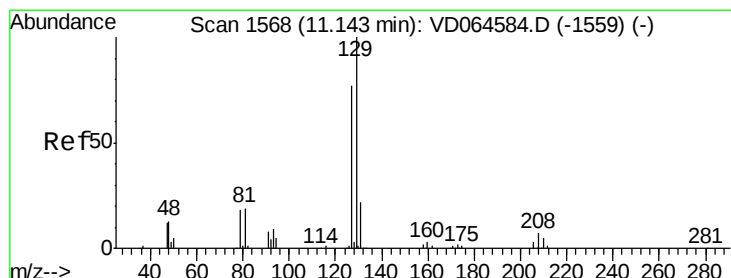
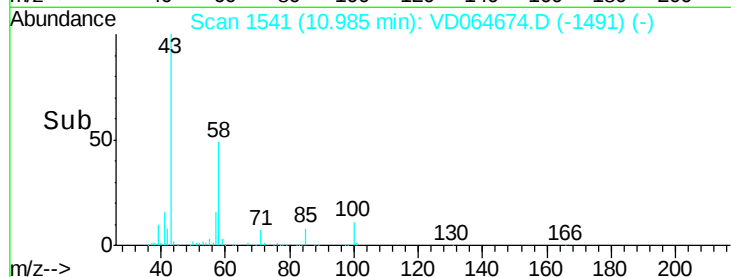
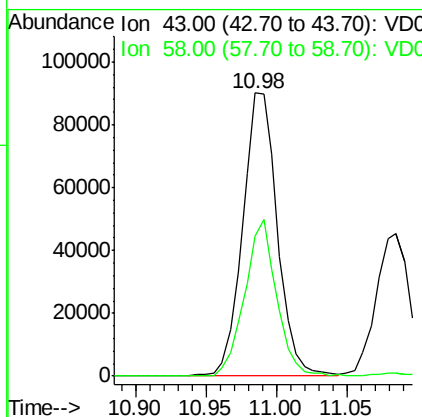
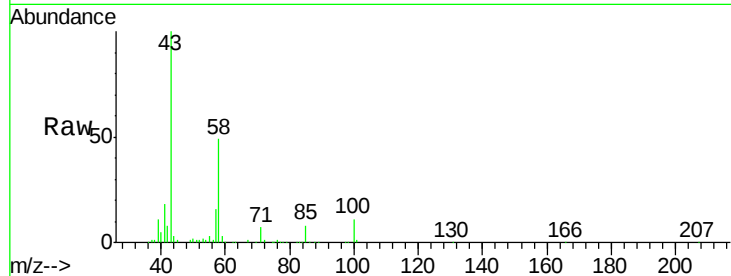
#59
2-Hexanone
Concen: 103.026 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 43 Resp: 155189
Ion Ratio Lower Upper
43 100
58 51.0 26.4 79.0

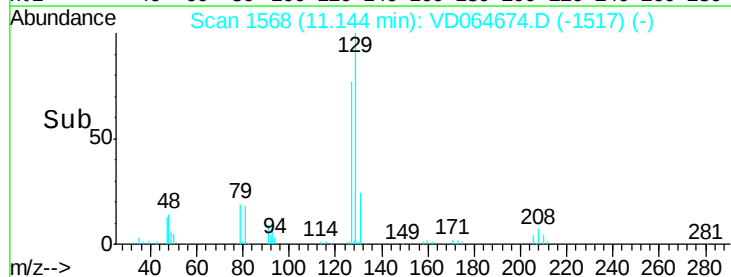
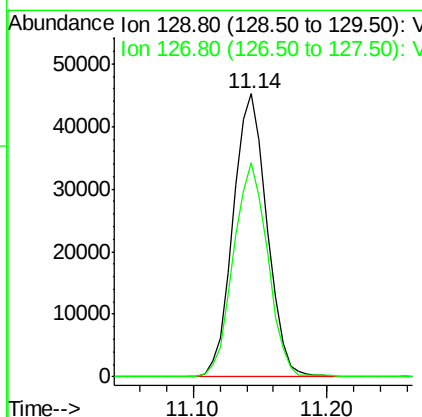
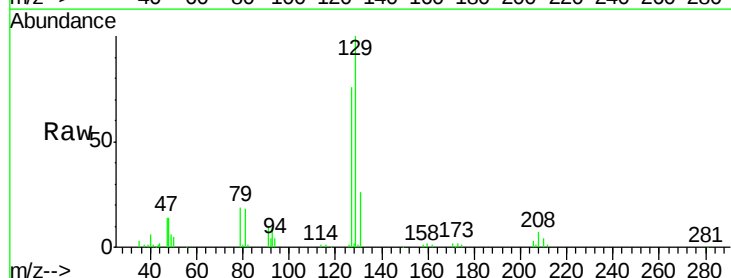
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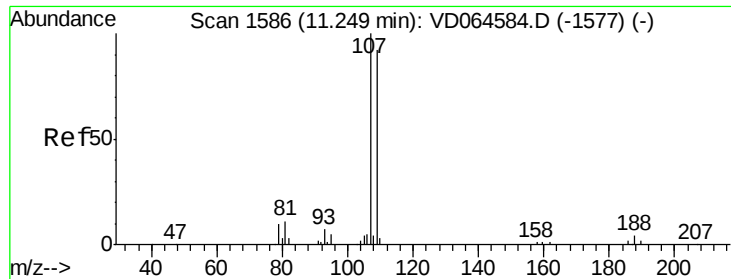
apatel
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#60
Dibromochloromethane
Concen: 20.491 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 129 Resp: 79688
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.2





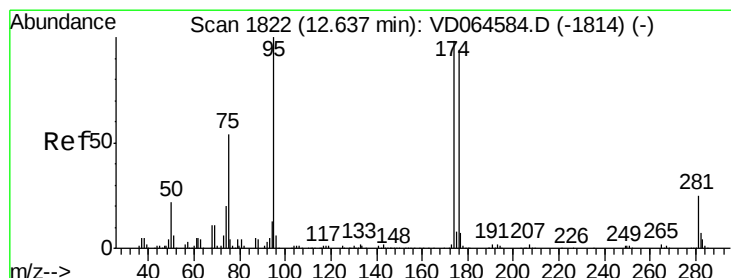
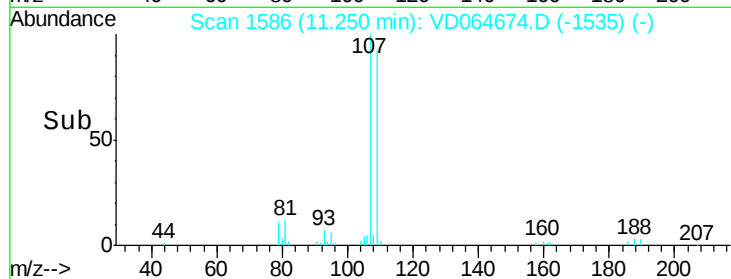
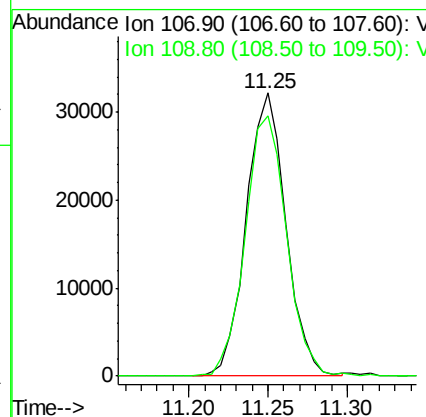
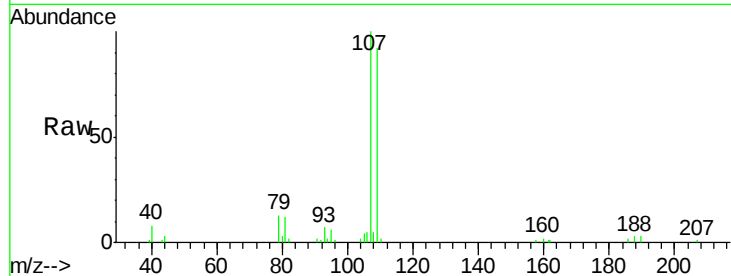
#61
 1,2-Dibromoethane
 Concen: 20.198 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion: 107 Resp: 56024
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.6 113.4

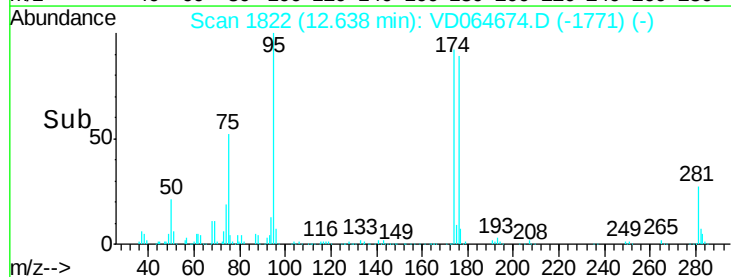
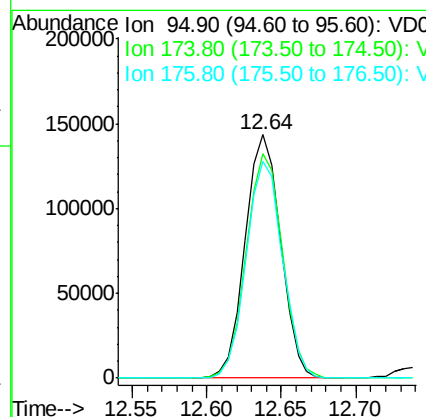
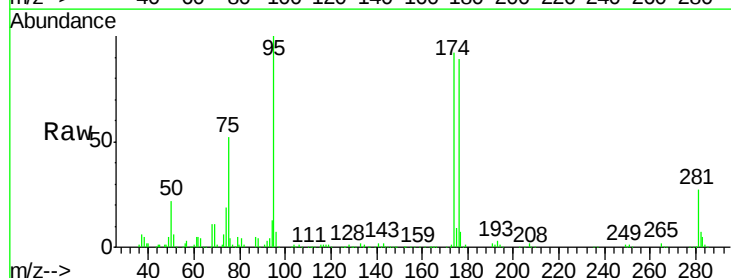
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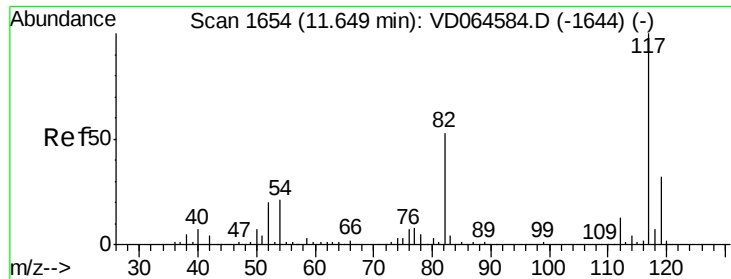
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.449 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion: 95 Resp: 236924
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 193.2
 176 91.0 0.0 184.2





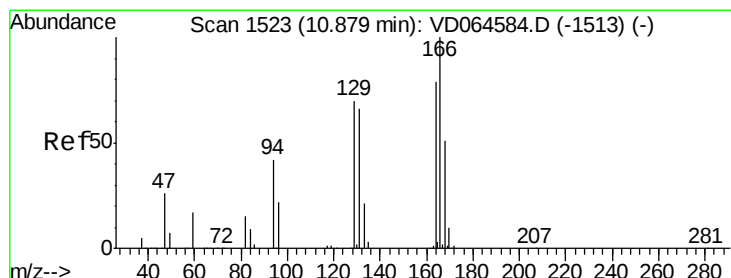
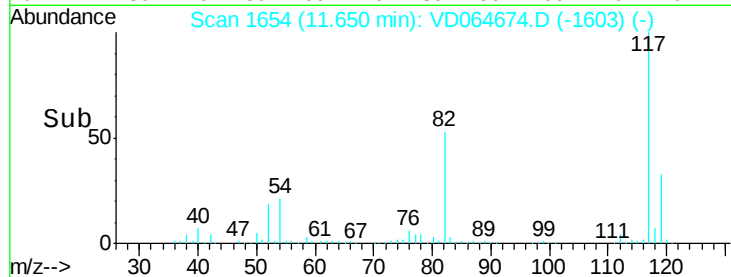
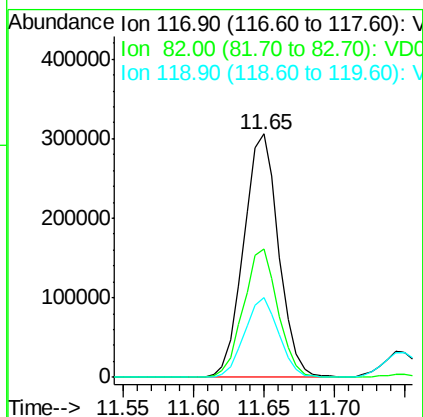
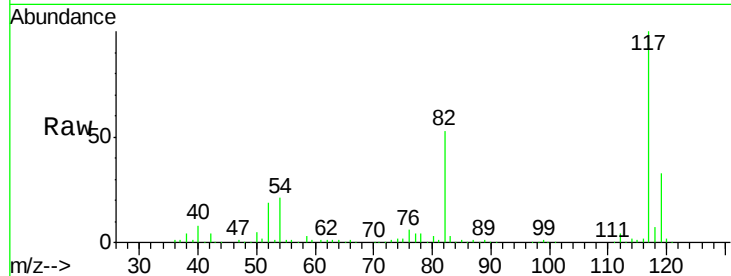
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	32.7	26.0	39.0

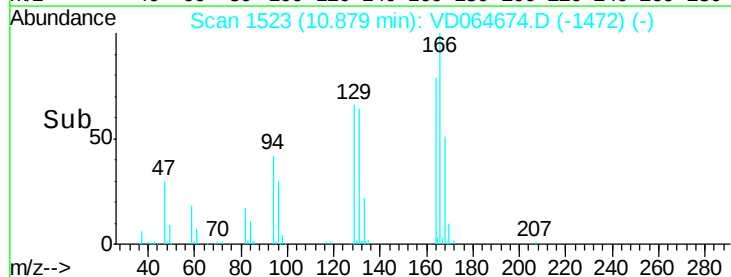
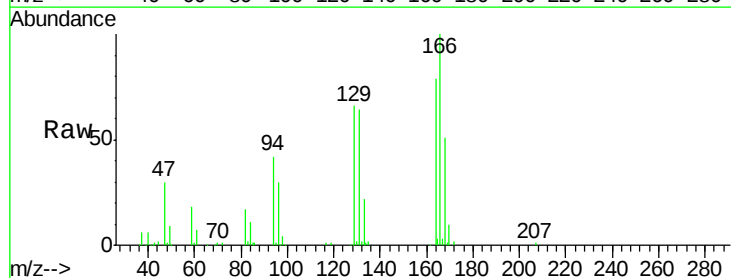
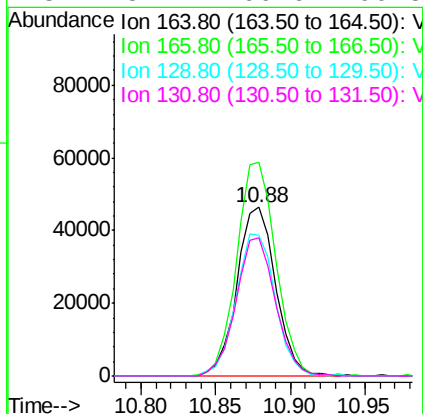
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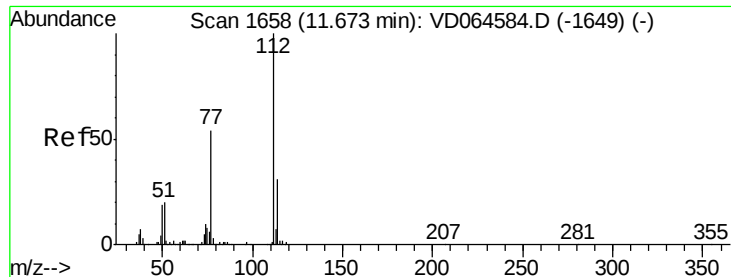
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#64
Tetrachloroethene
Concen: 20.446 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.3	151.9
129	83.7	70.5	105.7
131	81.7	66.6	99.8





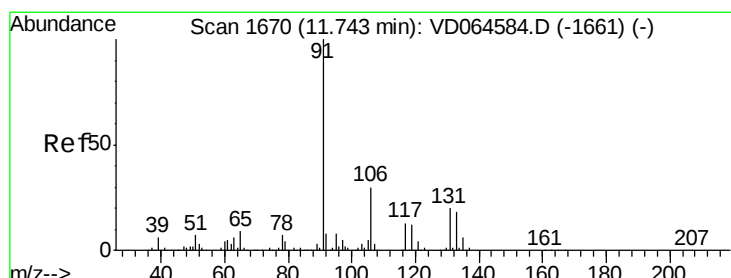
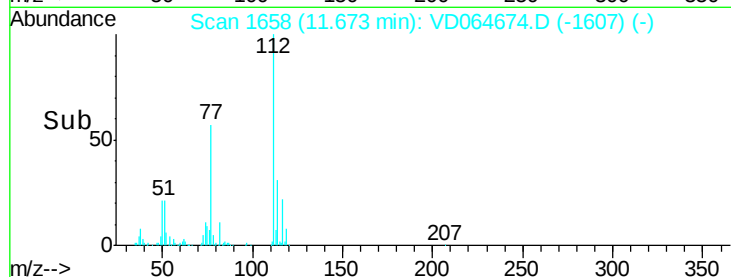
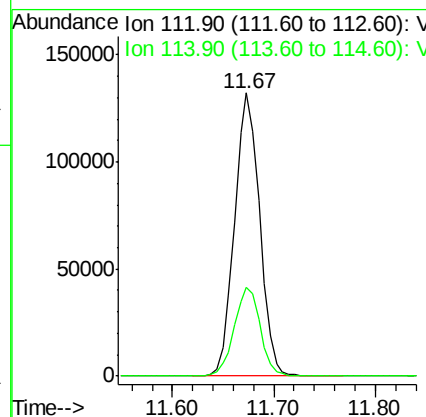
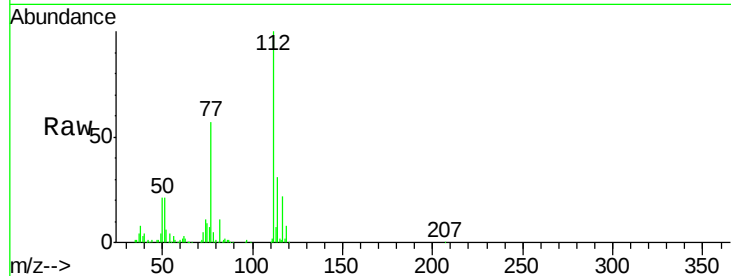
#65
Chlorobenzene
Concen: 20.583 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	24.8	37.2

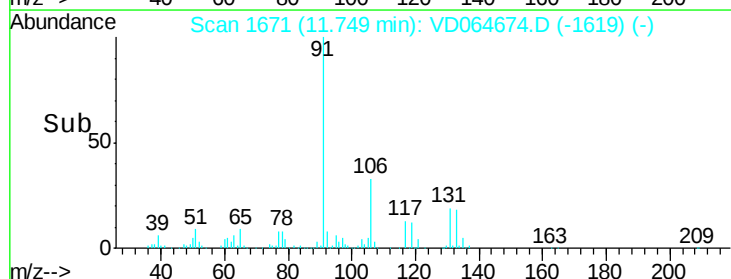
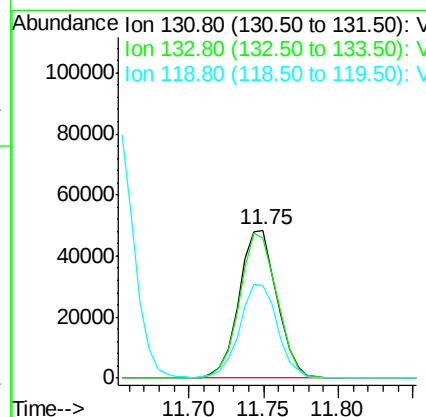
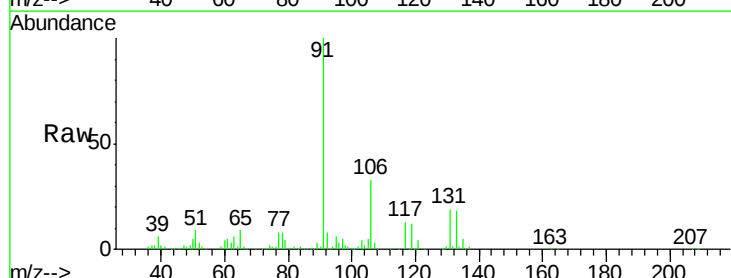
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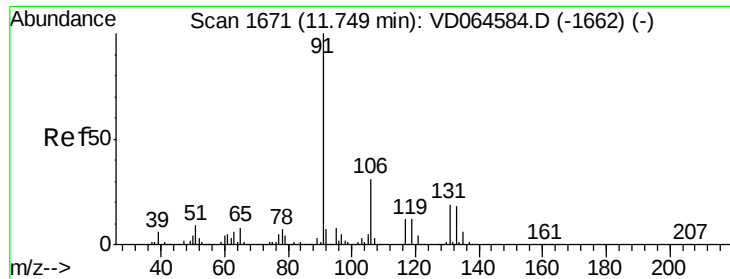
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.593 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	48.3	144.8
119	63.7	32.1	96.3





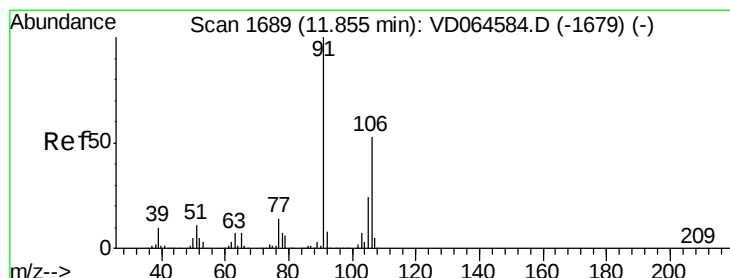
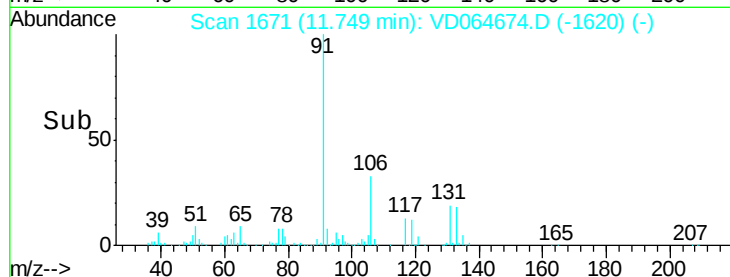
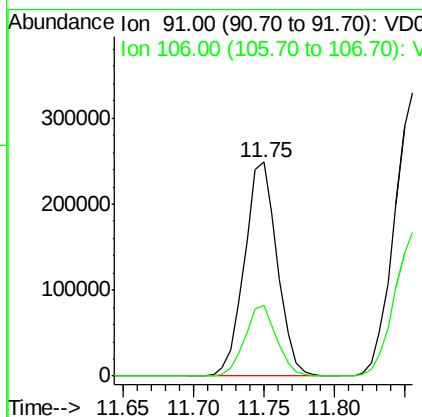
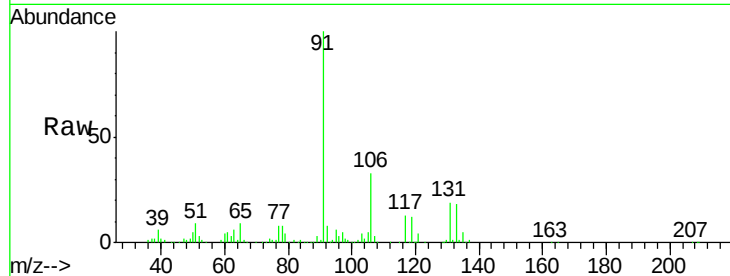
#67
Ethyl Benzene
Concen: 20.265 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 91 Resp: 405524
Ion Ratio Lower Upper
91 100
106 33.1 24.6 36.8

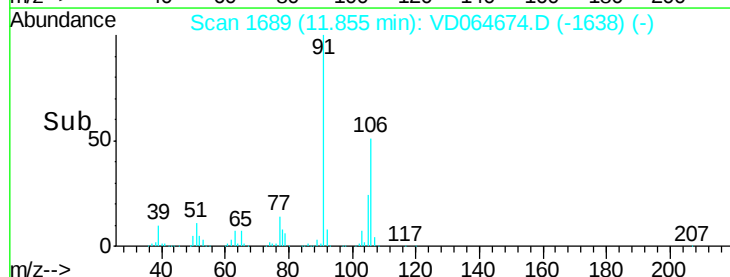
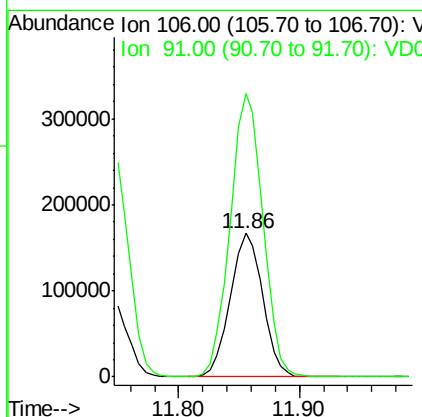
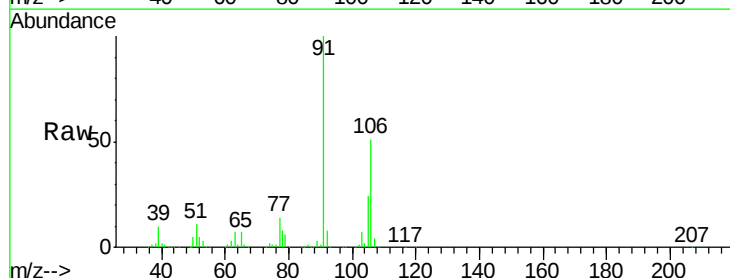
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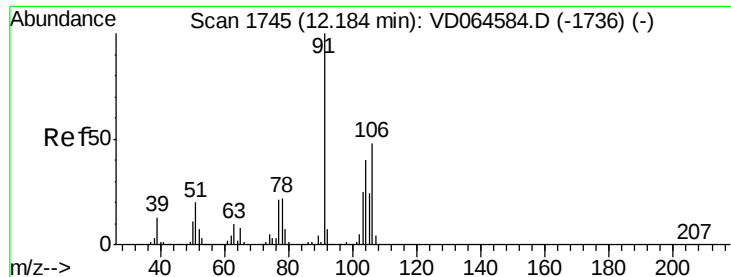
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#68
m/p-Xylenes
Concen: 40.547 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 106 Resp: 313174
Ion Ratio Lower Upper
106 100
91 198.8 156.3 234.5





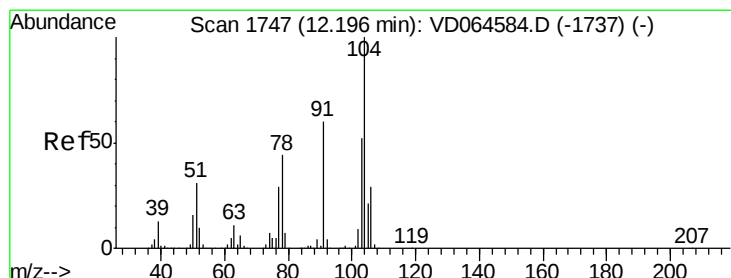
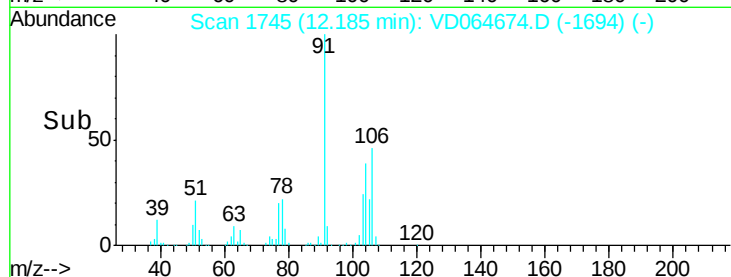
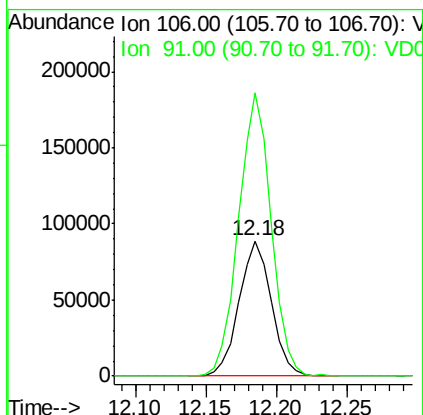
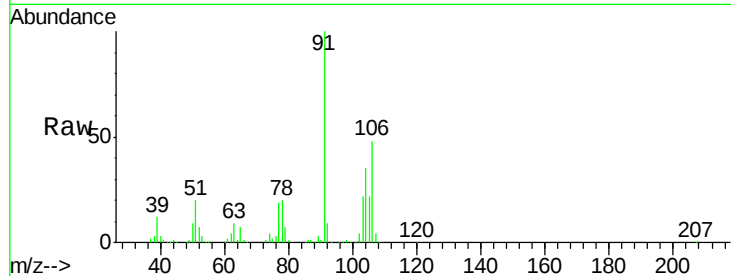
#69
o-Xylene
Concen: 20.375 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	104.8	314.4

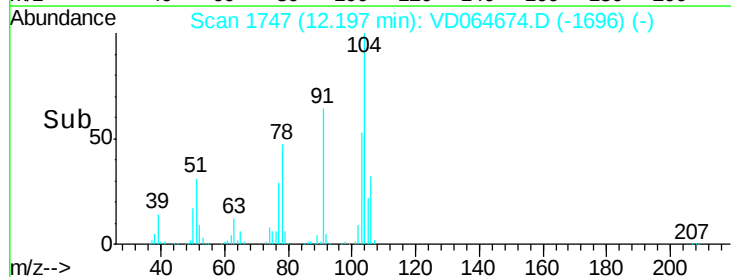
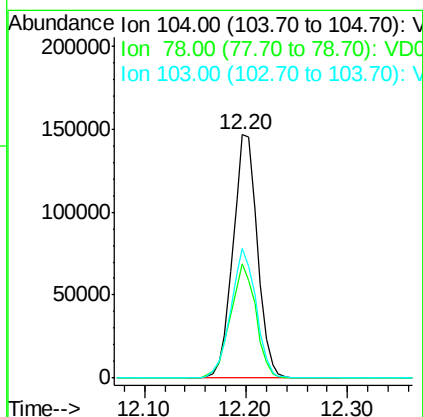
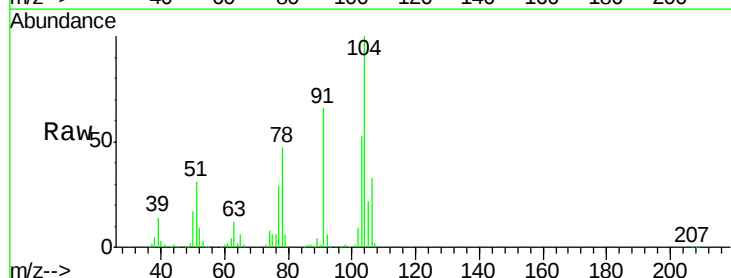
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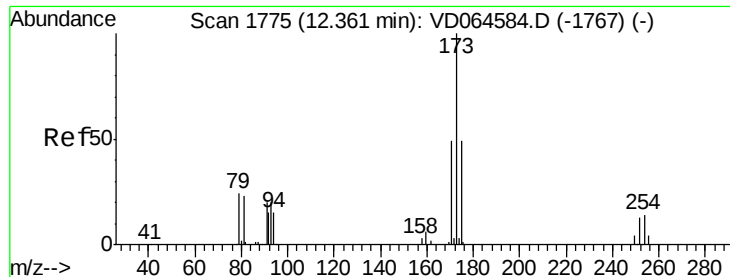
apatel
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#70
Styrene
Concen: 20.103 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.2	57.2
103	54.9	44.6	67.0





#71

Bromoform

Concen: 20.081 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion:173 Resp: 47596

Ion Ratio Lower Upper

173 100

175 48.0 24.6 73.8

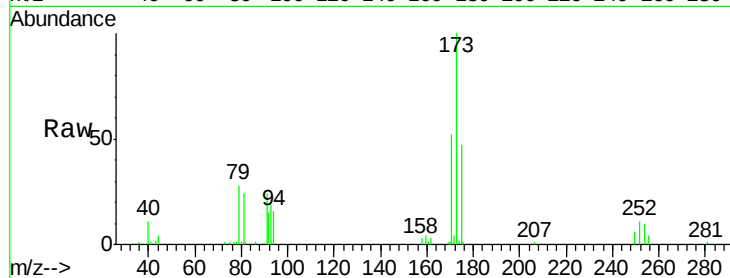
254 0.0 0.1 0.1#

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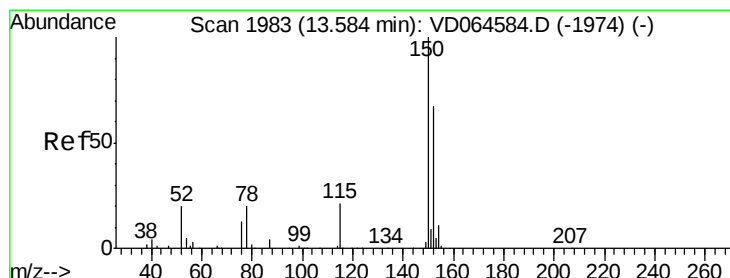
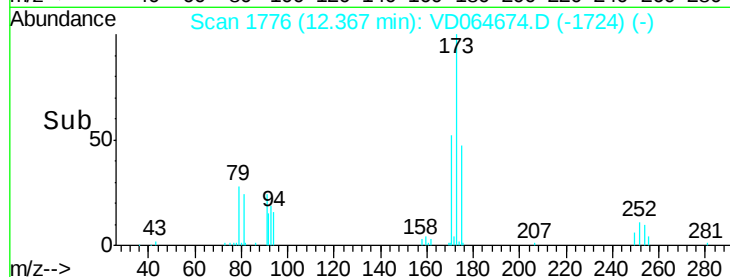
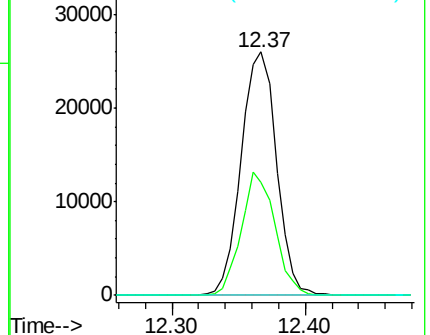
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

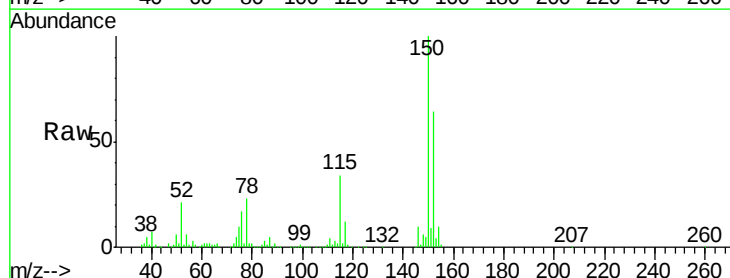
Tgt Ion:152 Resp: 257119

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

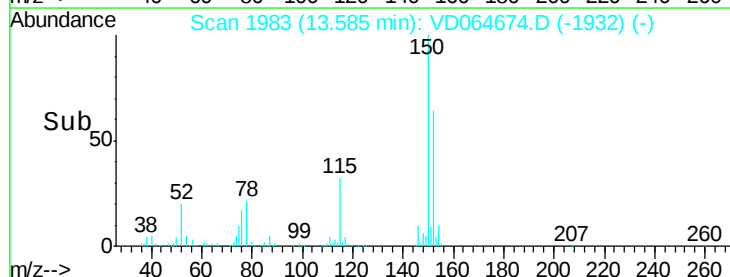
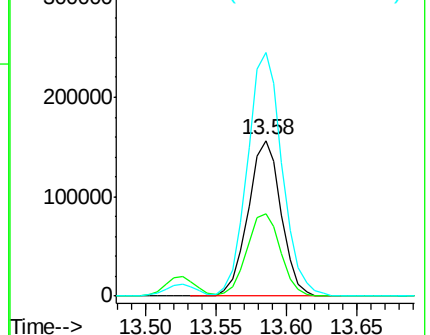
150 164.5 0.0 351.4

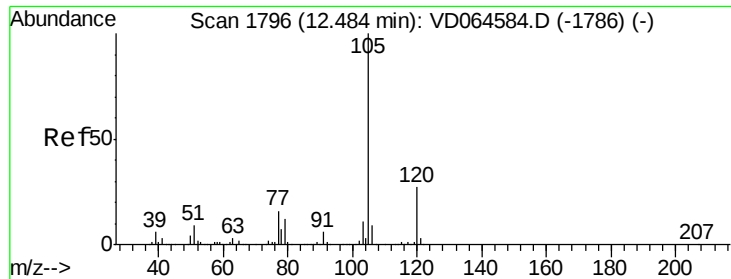


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.308 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 105 Resp: 391519

Ion Ratio Lower Upper

105 100

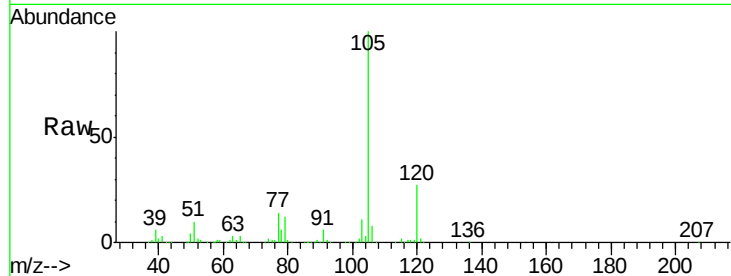
120 27.2 13.5 40.5

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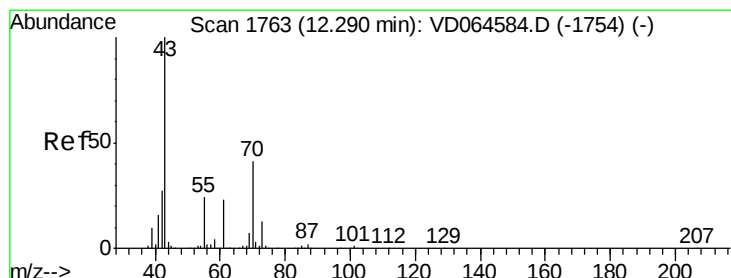
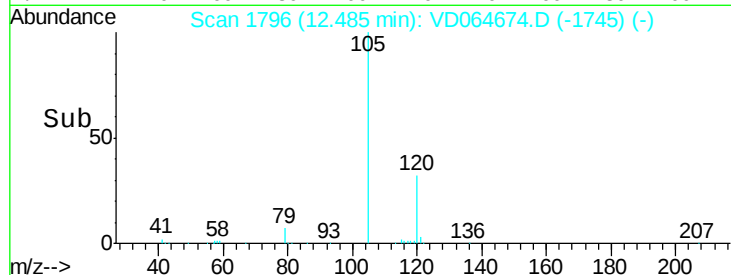
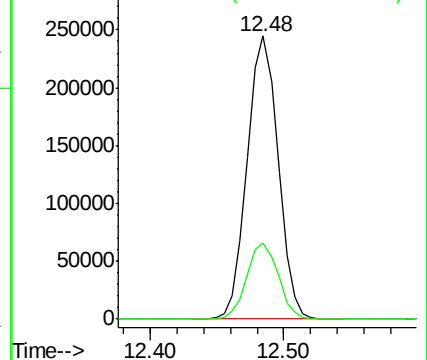
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.813 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion: 43 Resp: 81748

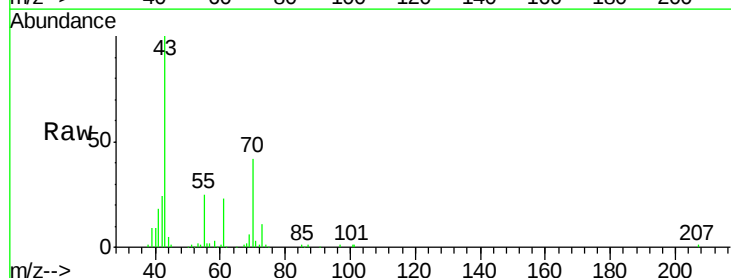
Ion Ratio Lower Upper

43 100

70 41.5 33.4 50.0

55 25.8 19.4 29.0

61 22.2 18.3 27.5

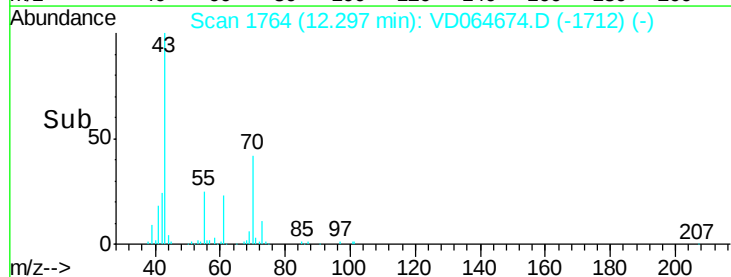
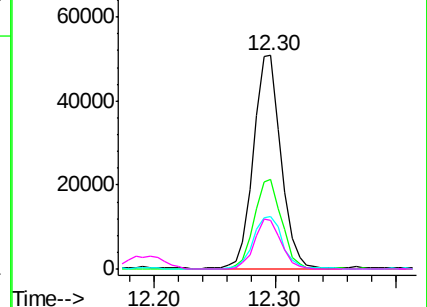


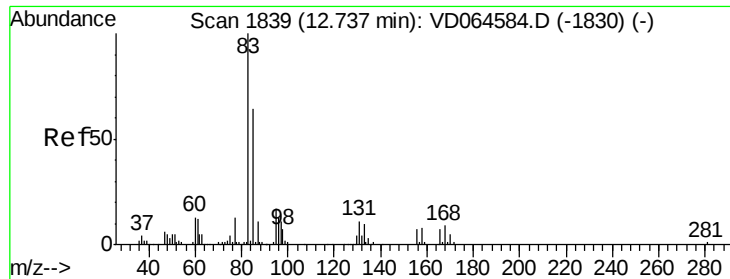
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.517 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

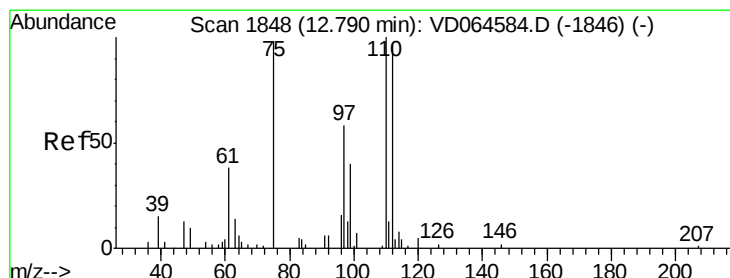
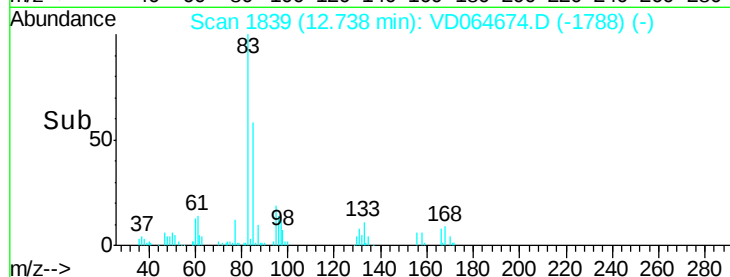
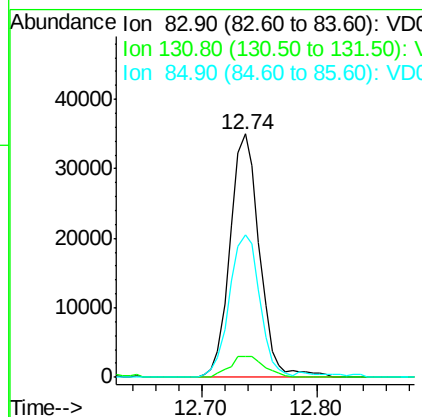
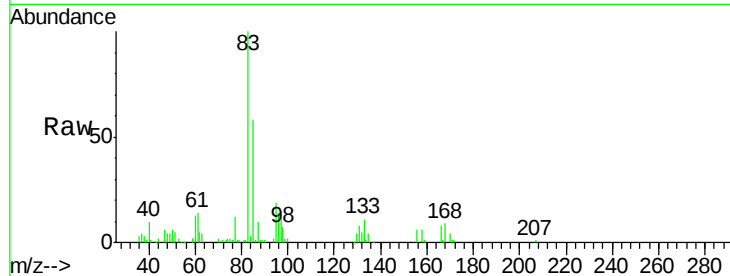
ClientSampleId :

VD1230SBS01

Tot Ion:	83	Resp:	62106
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.8	17.4
85	60.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 22.556 ug/l m

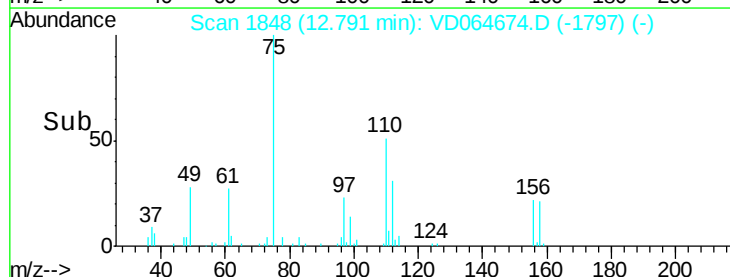
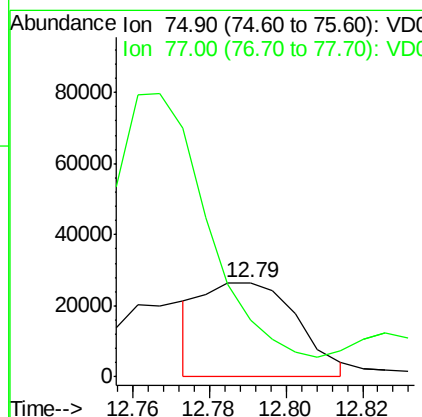
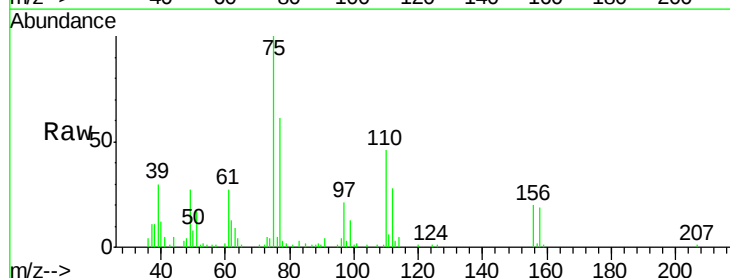
RT: 12.79 min Scan# 1848

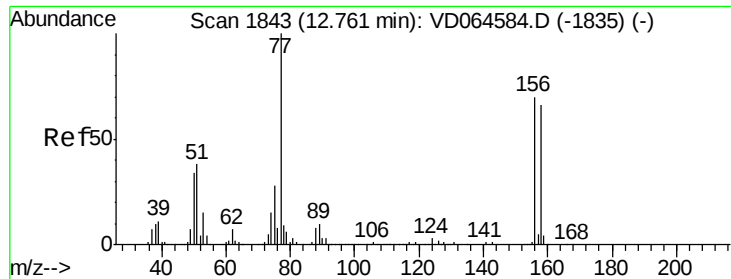
Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	75	Resp:	45798
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.043 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

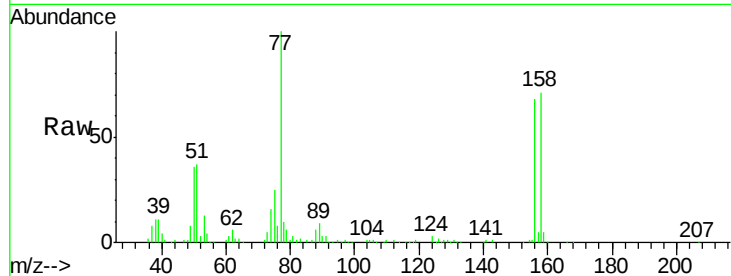
ClientSampleId :

VD1230SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.2	80.9	242.7
158	97.2	48.0	144.2

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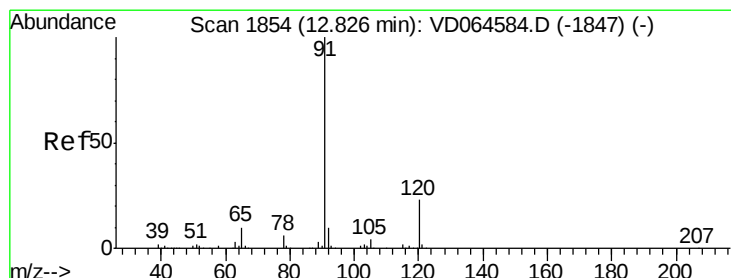
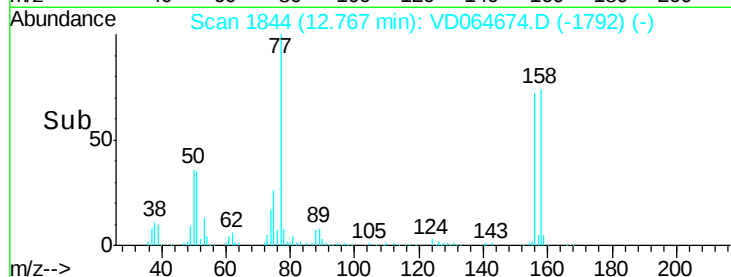
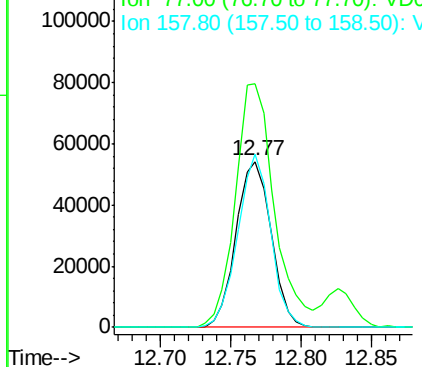
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.284 ug/l

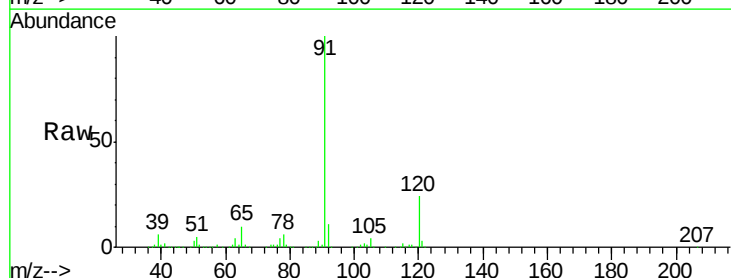
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064674.D

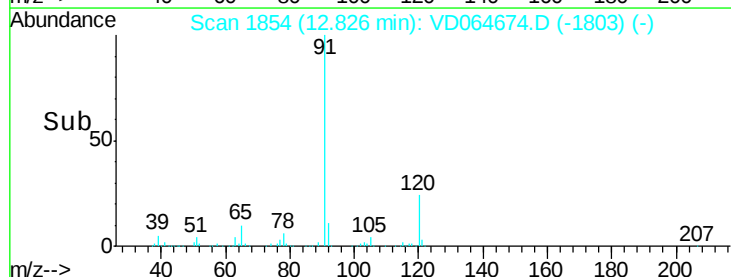
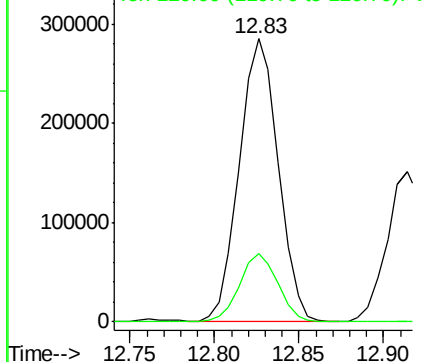
Acq: 30 Dec 2019 13:14

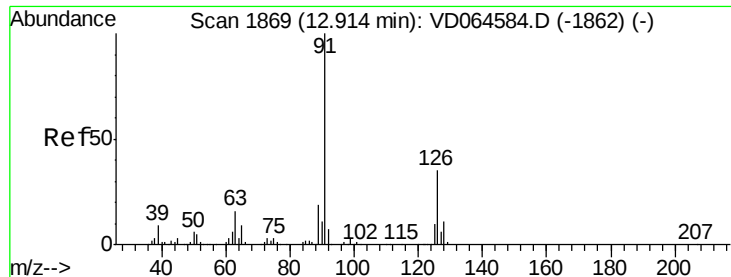
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.181 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 91 Resp: 249418

Ion Ratio Lower Upper

91 100

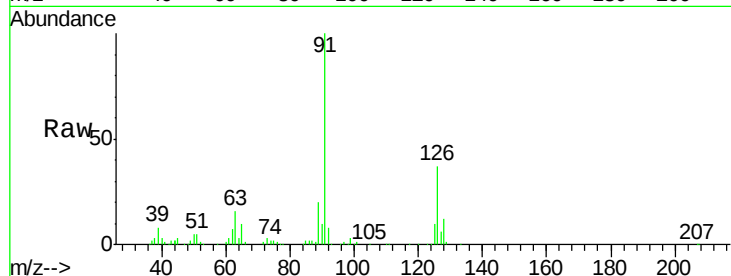
126 36.5 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064584.D (-1862) (-)

12.91

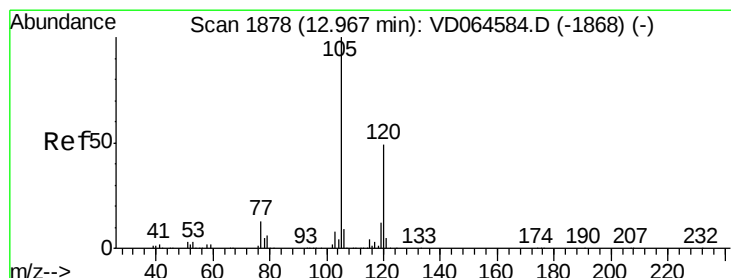
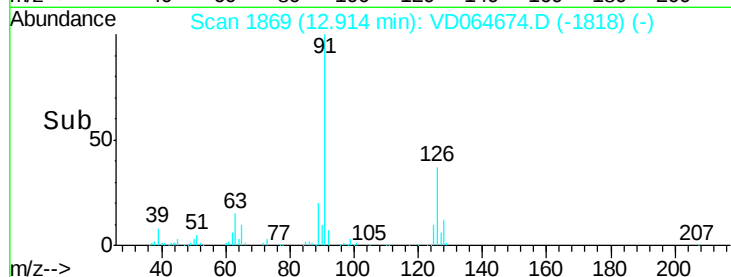
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.344 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064674.D

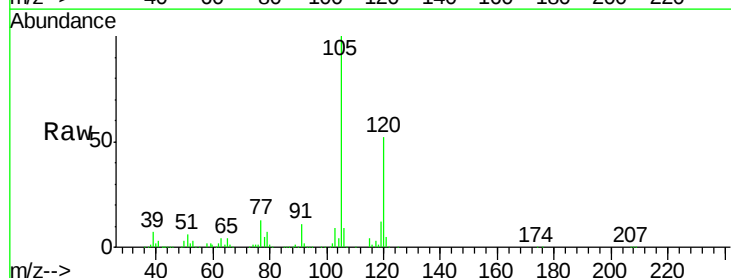
Acq: 30 Dec 2019 13:14

Tgt Ion:105 Resp: 322160

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064584.D (-1868) (-)

12.97

200000

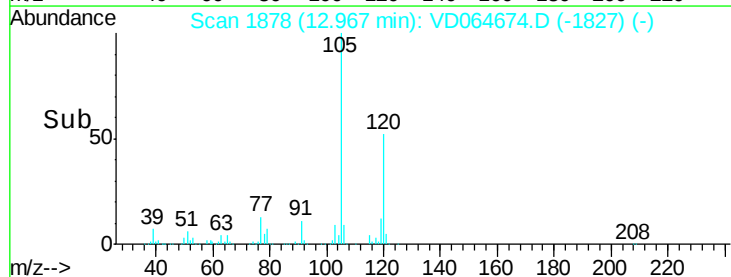
150000

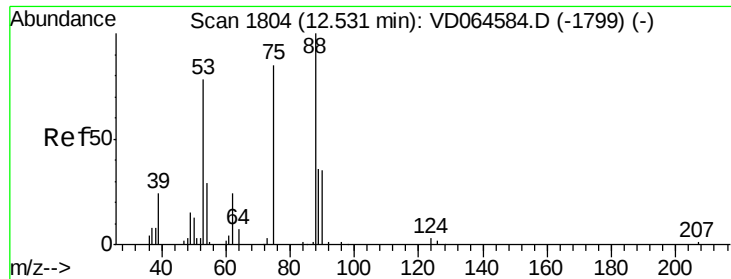
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.771 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

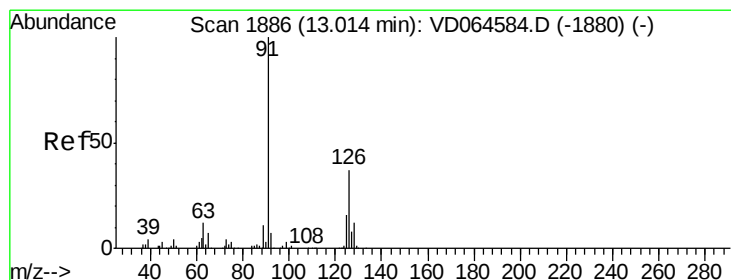
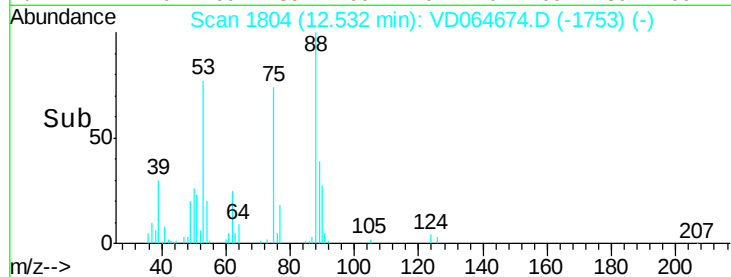
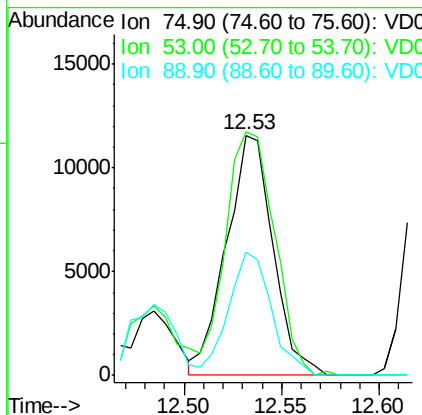
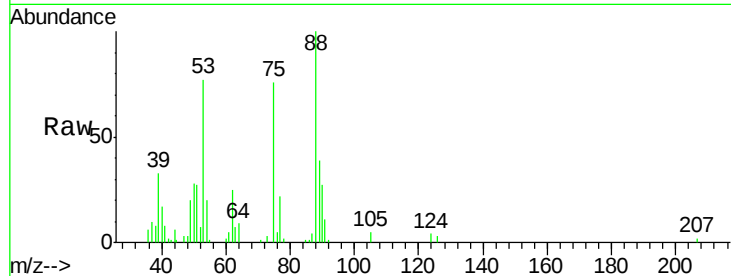
ClientSampleId :

VD1230SBS01

Tot Ion:	75	Resp:	19193
Ion Ratio	Lower	Upper	
75	100		
53	105.7	78.8	118.2
89	46.9	38.3	57.5

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#82

4-Chlorotoluene

Concen: 20.936 ug/l

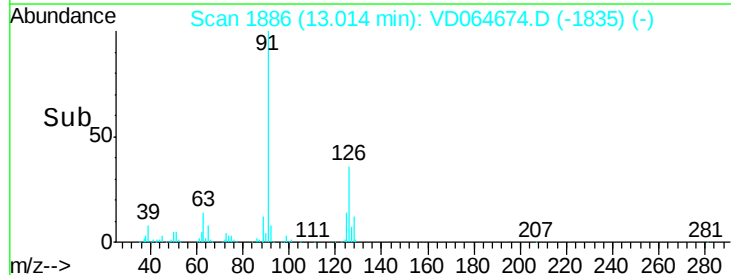
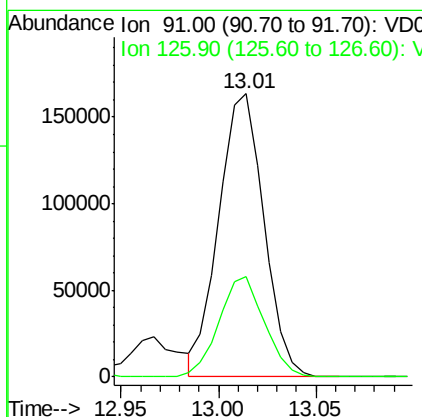
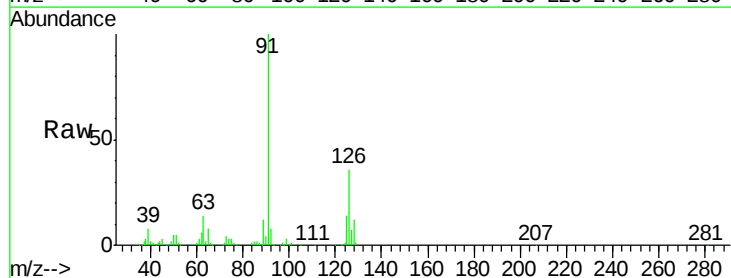
RT: 13.01 min Scan# 1886

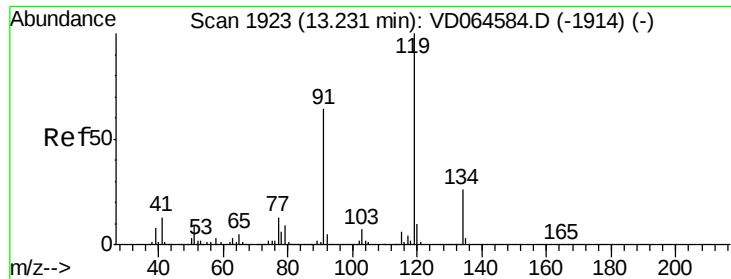
Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion:	91	Resp:	262357
Ion Ratio	Lower	Upper	
91	100		
126	35.8	17.8	53.5





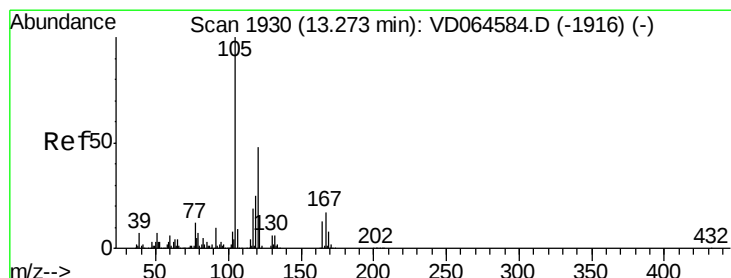
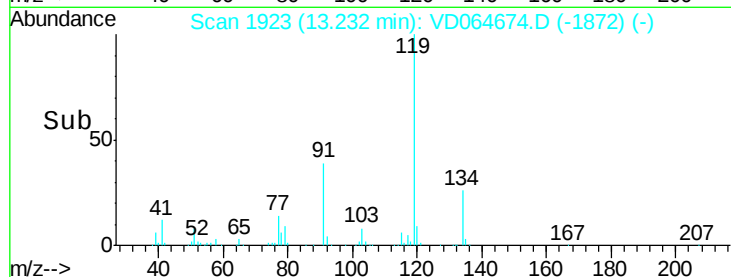
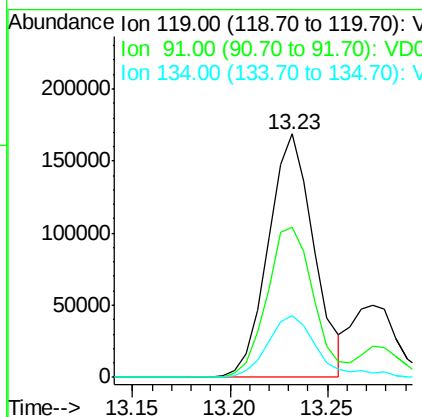
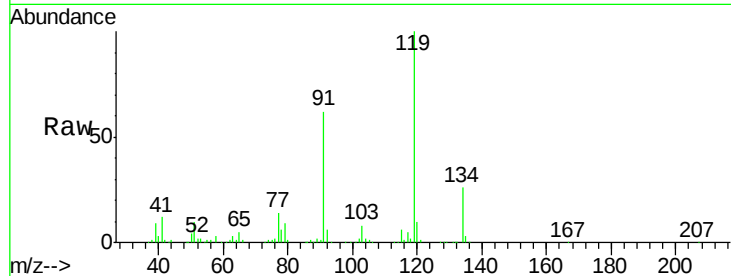
#83
tert-Butylbenzene
Concen: 20.863 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.8	92.4
134	28.1	12.8	38.3

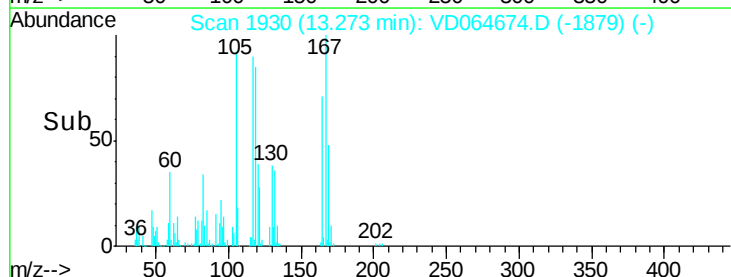
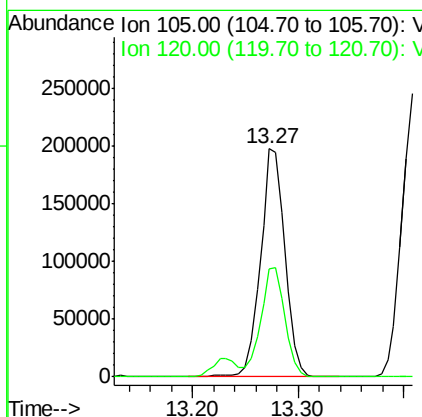
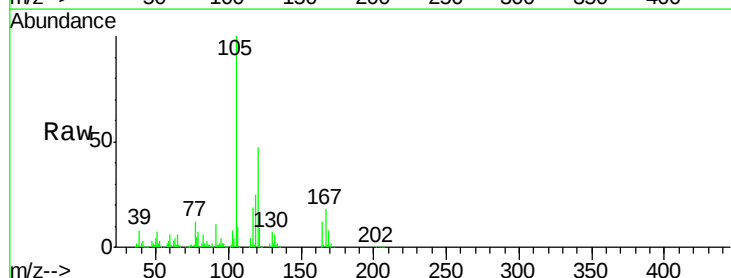
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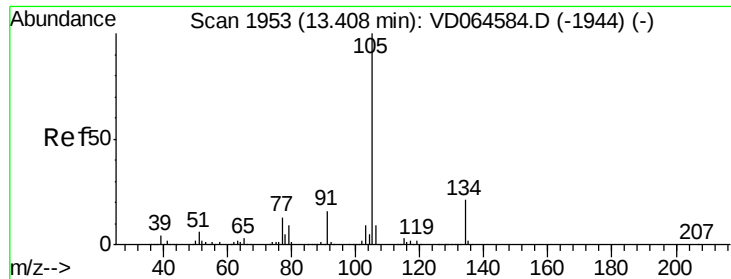
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#84
1,2,4-Trimethylbenzene
Concen: 21.175 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2





#85

sec-Butylbenzene

Concen: 21.408 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion:105 Resp: 384625

Ion Ratio Lower Upper

105 100

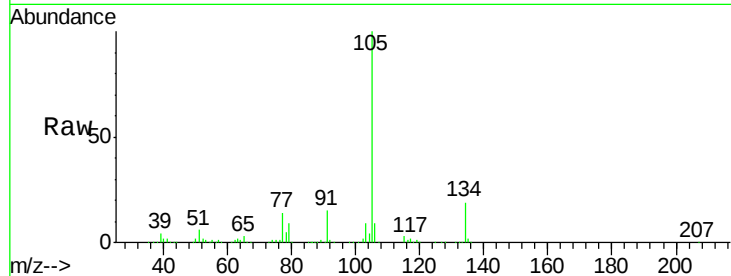
134 20.4 10.6 31.8

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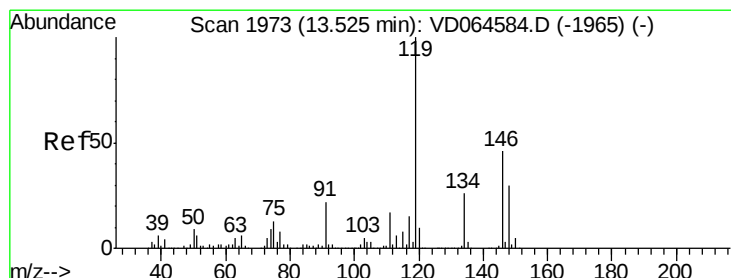
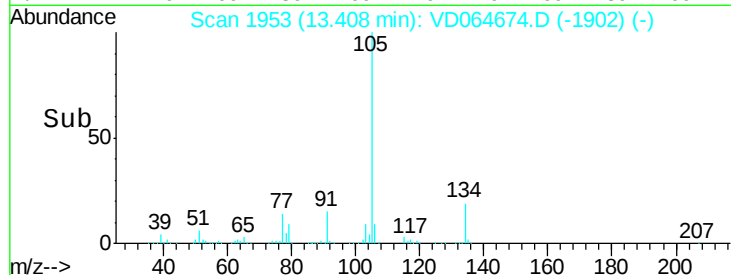
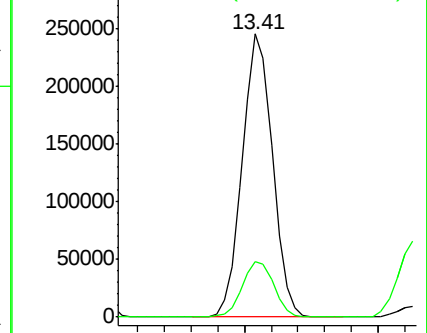
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.068 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

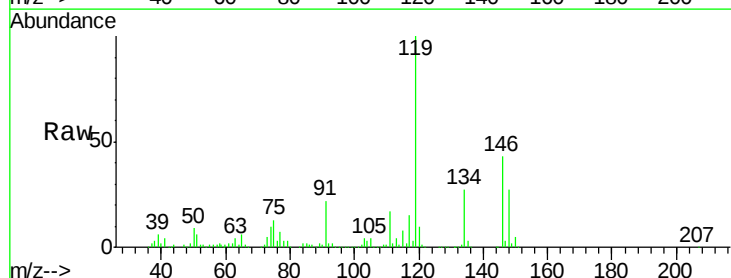
Tgt Ion:119 Resp: 361934

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

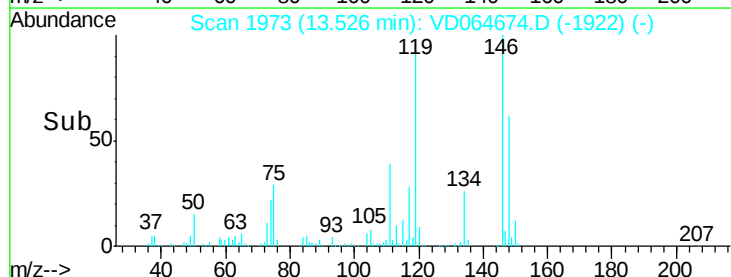
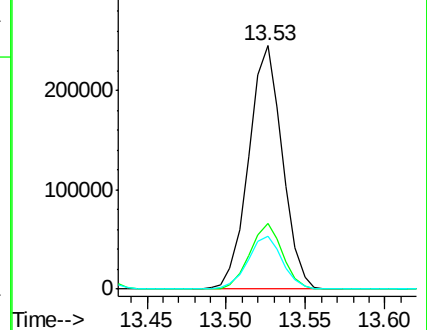
91 22.3 11.2 33.6

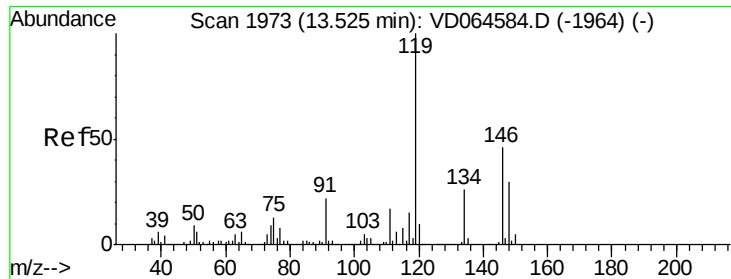


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





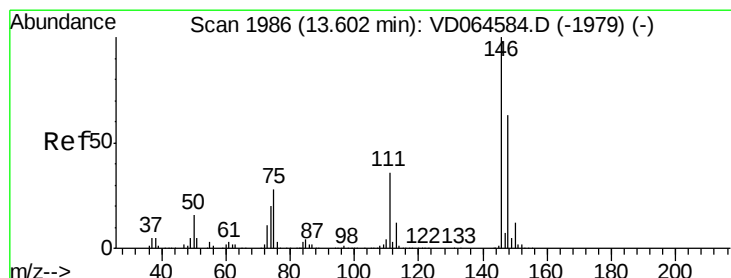
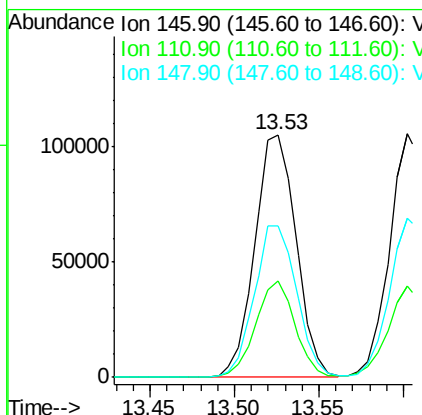
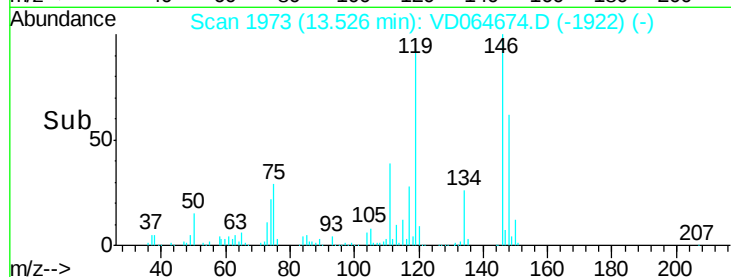
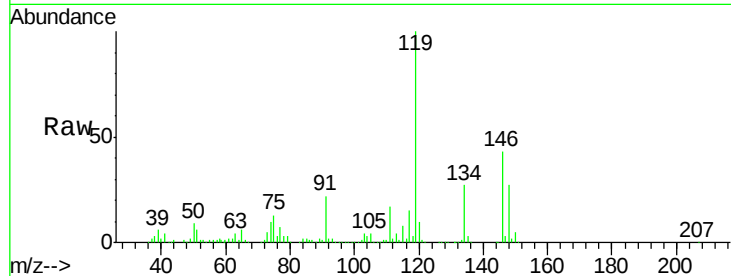
#87
 1,3-Dichlorobenzene
 Concen: 20.779 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178841		
111	37.9	18.8	56.4	
148	64.1	32.5	97.5	

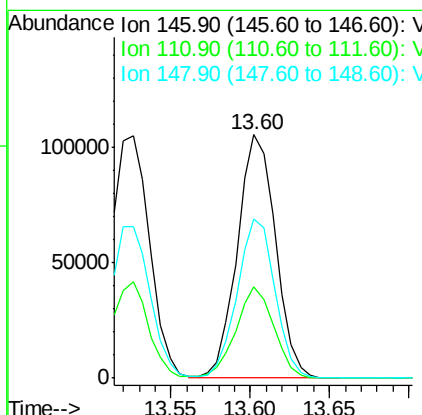
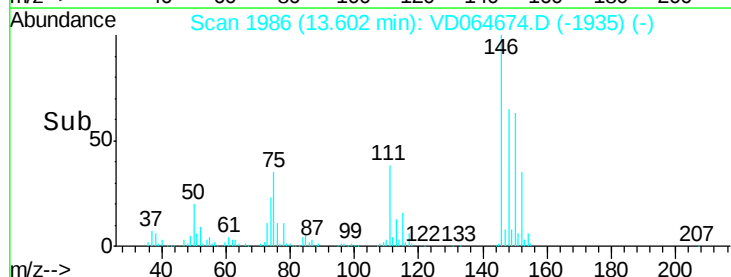
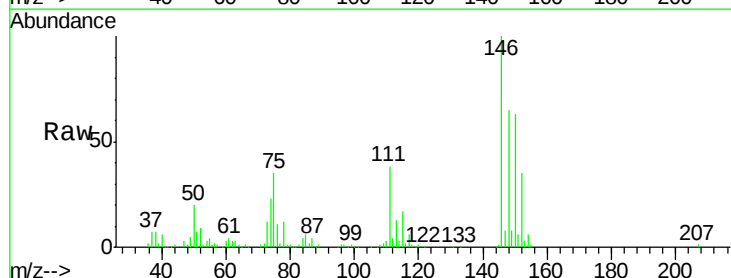
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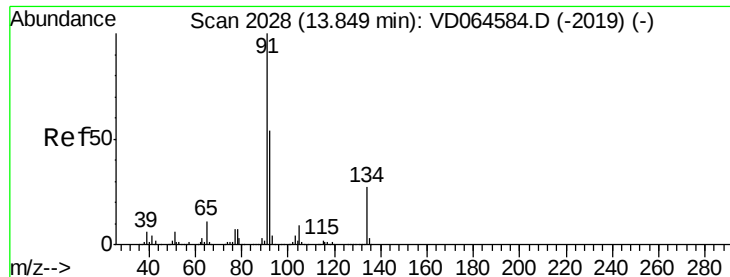
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#88
 1,4-Dichlorobenzene
 Concen: 20.850 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176291		
111	37.3	18.1	54.1	
148	64.7	32.3	96.9	





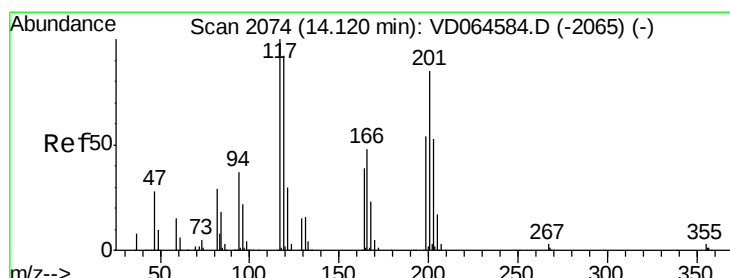
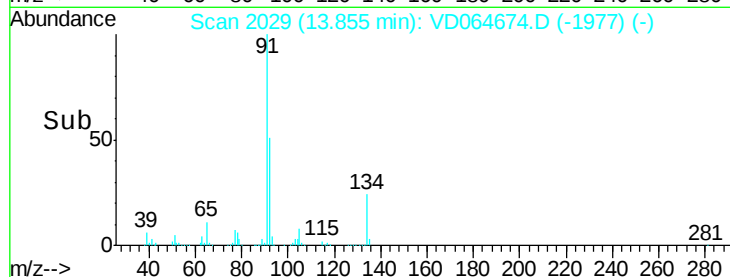
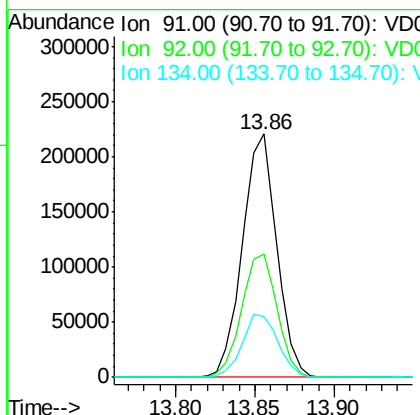
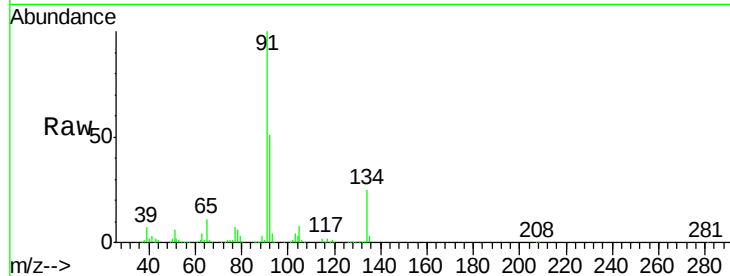
#89
n-Butylbenzene
Concen: 21.410 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	27.1	14.0	41.9

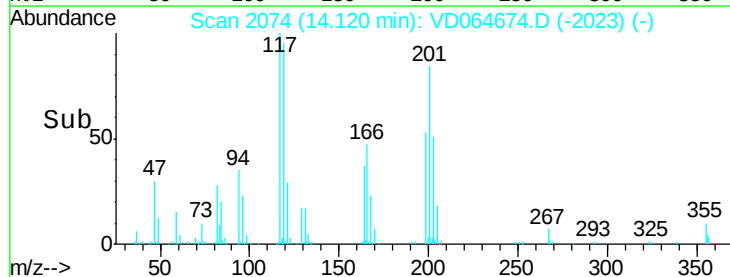
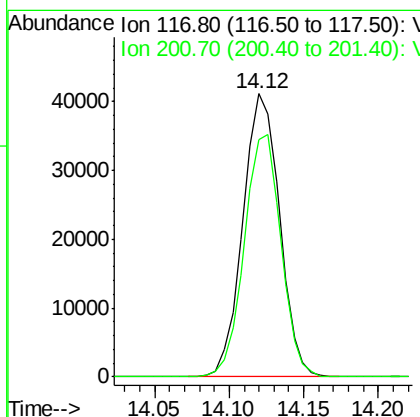
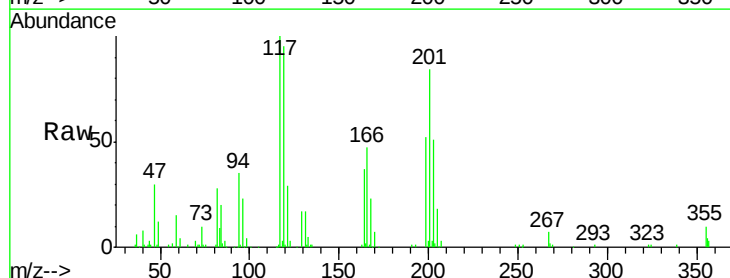
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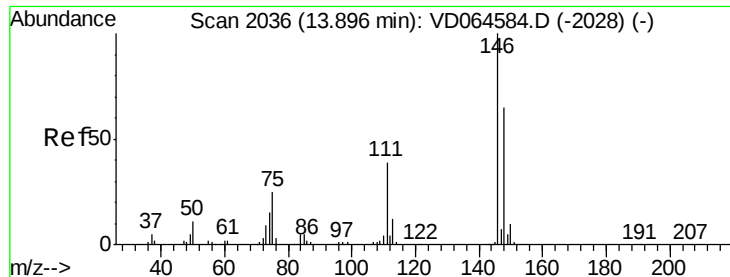
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#90
Hexachloroethane
Concen: 21.354 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	44.0	131.8





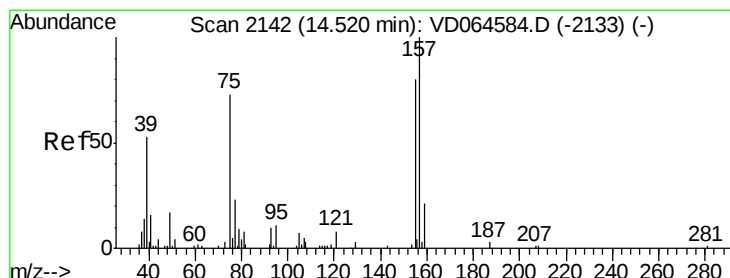
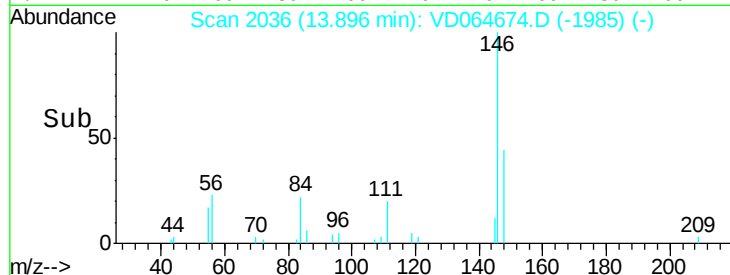
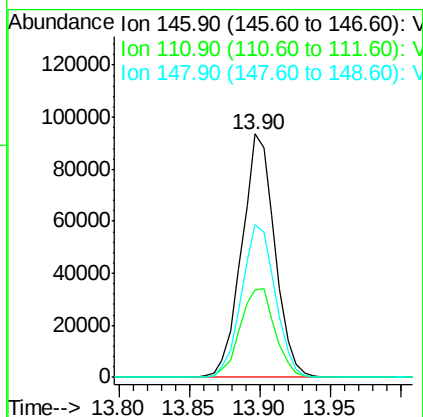
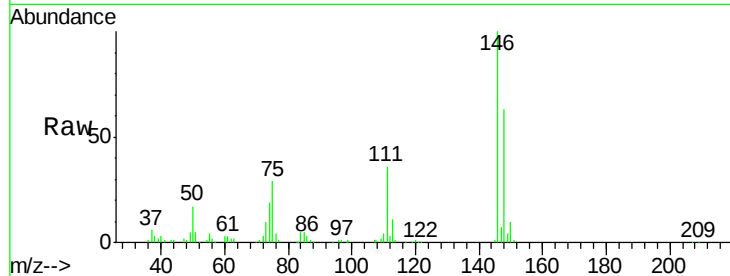
#91
 1,2-Dichlorobenzene
 Concen: 20.851 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.1	31.9	95.5

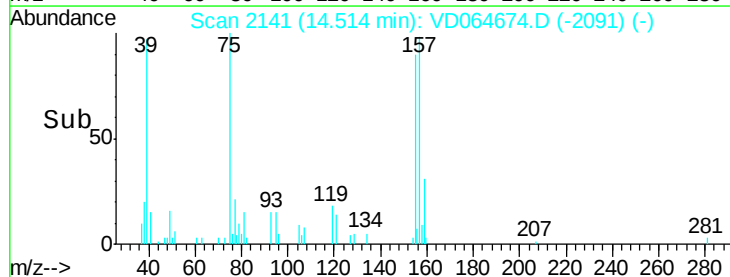
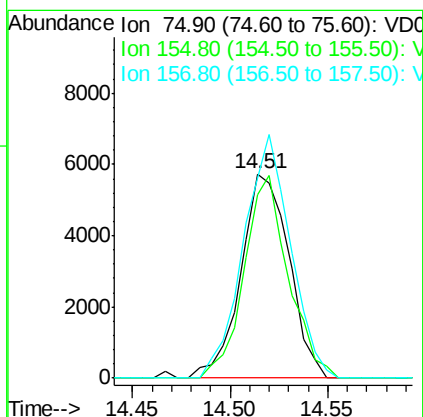
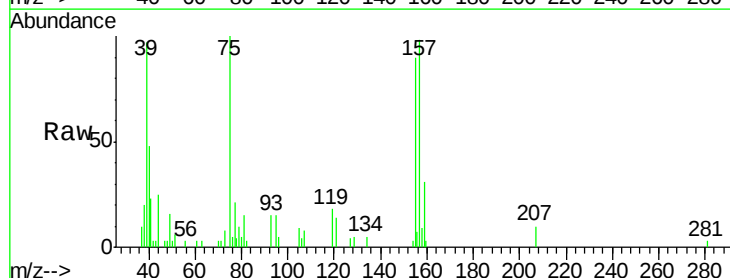
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.907 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	48.0	144.0
157	116.5	64.1	192.3





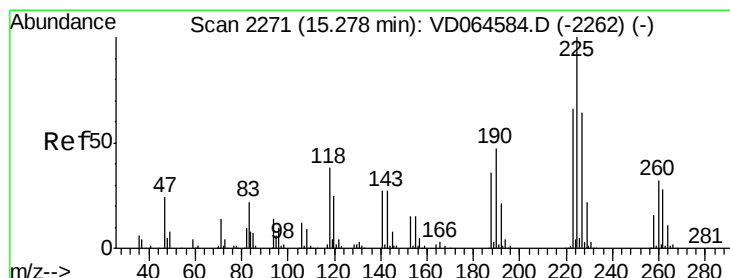
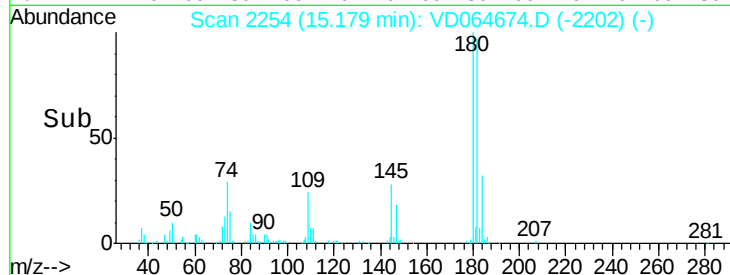
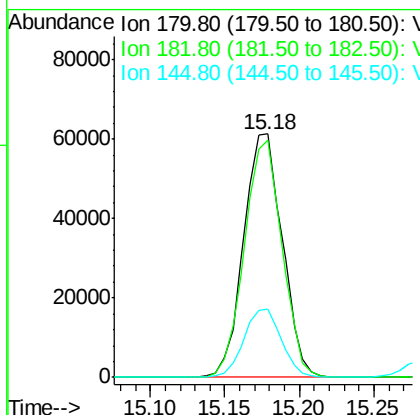
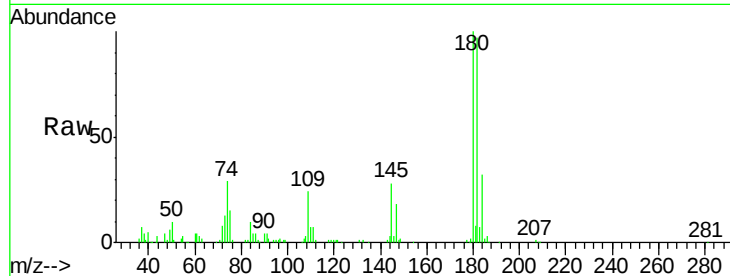
#93
 1,2,4-Trichlorobenzene
 Concen: 20.346 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109945		
182	94.5	48.0	144.2	
145	27.1	13.8	41.4	

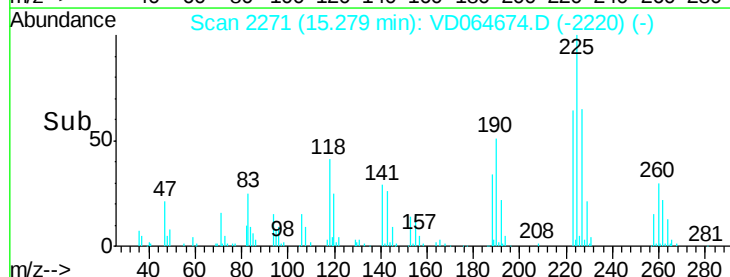
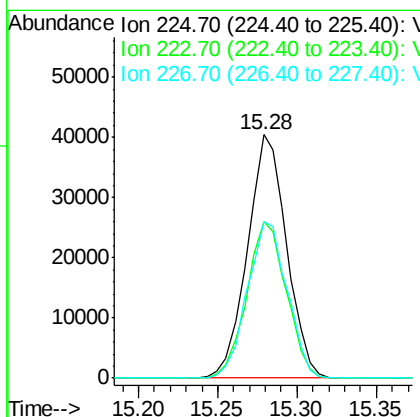
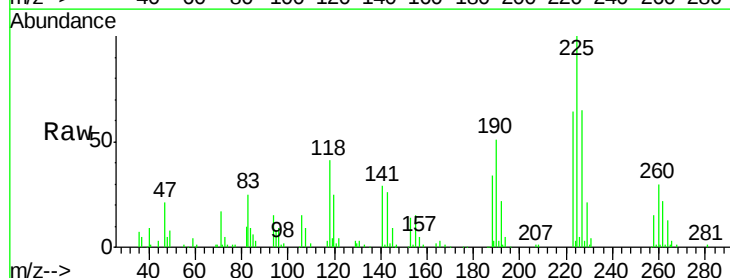
Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.364 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69246		
223	65.2	31.1	93.2	
227	65.3	30.9	92.7	





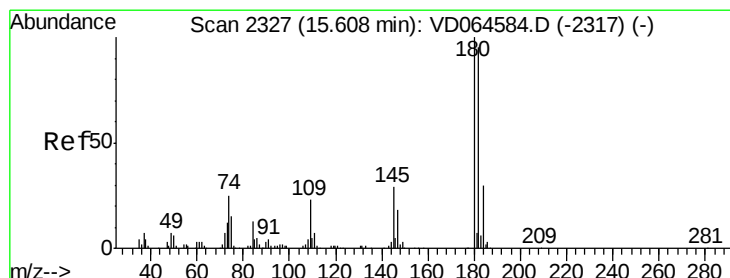
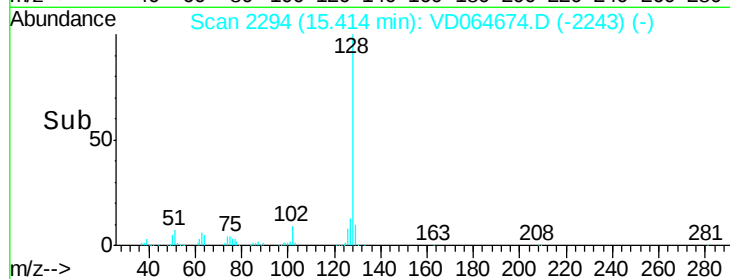
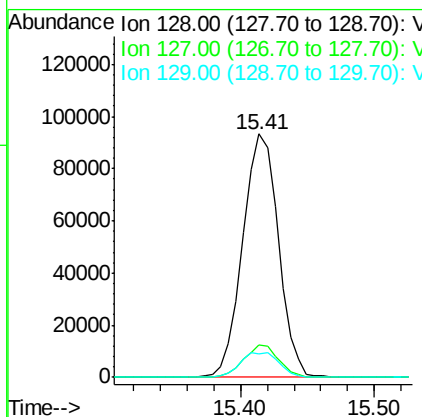
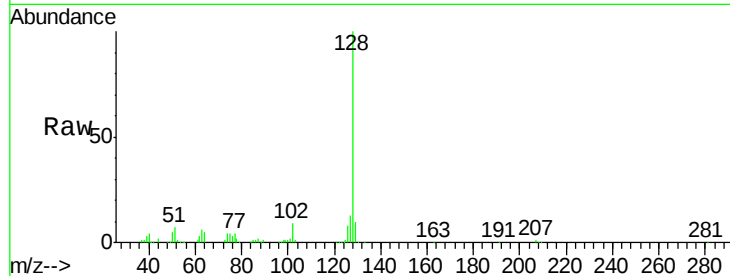
#95
Naphthalene
Concen: 20.181 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion:	128	Resp:	172525
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.1	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.560 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:	180	Resp:	94848
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.7
145	30.9	14.9	44.7

