

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010620\
 Data File : VD064773.D
 Acq On : 06 Jan 2020 15:16
 Operator : VA/SY
 Sample : VD0106SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBS01

Manual Integrations
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 1/7/2020 10:24:06 AM

Quant Time: Jan 07 03:27:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	401312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	513634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	181599	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.92	113	183990	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.34	98	683673	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.64	95	217724	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63888	20.485	ug/l	98
3) Chloromethane	2.21	50	93966	21.543	ug/l	97
4) Vinyl Chloride	2.35	62	111997	21.059	ug/l	99
5) Bromomethane	2.76	94	78393	20.273	ug/l	95
6) Chloroethane	2.92	64	73323	20.576	ug/l	99
7) Trichlorofluoromethane	3.27	101	185655	20.733	ug/l	96
8) Diethyl Ether	3.70	74	37965	21.350	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79505	21.439	ug/l	99
10) Methyl Iodide	4.29	142	77869	19.548	ug/l	99
11) Tert butyl alcohol	5.26	59	21917	108.069	ug/l	95
12) 1,1-Dichloroethene	4.06	96	75525	21.391	ug/l	97
13) Acrolein	3.92	56	24305	85.993	ug/l	100
14) Allyl chloride	4.71	41	119916	21.784	ug/l	98
15) Acrylonitrile	5.43	53	80908	109.234	ug/l	99
16) Acetone	4.16	43	83602	107.287	ug/l	94
17) Carbon Disulfide	4.40	76	232856	20.397	ug/l	99
18) Methyl Acetate	4.73	43	43110	21.639	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171203	21.831	ug/l	97
20) Methylene Chloride	4.96	84	90231	22.216	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	85157	21.179	ug/l	97
22) Diisopropyl ether	6.37	45	232652	21.189	ug/l	98
23) Vinyl Acetate	6.31	43	657430	105.554	ug/l	100
24) 1,1-Dichloroethane	6.26	63	143235	21.730	ug/l	98
25) 2-Butanone	7.22	43	112096	115.241	ug/l	96
26) 2,2-Dichloropropane	7.21	77	130712	21.329	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	89583	20.644	ug/l	95
28) Bromochloromethane	7.56	49	49117	19.169	ug/l	98
29) Tetrahydrofuran	7.57	42	64590	106.777	ug/l	98
30) Chloroform	7.71	83	149104	21.561	ug/l	98
31) Cyclohexane	7.98	56	136907	20.749	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	139819	21.525	ug/l	99
36) 1,1-Dichloropropene	8.11	75	118338	21.271	ug/l	99
37) Ethyl Acetate	7.30	43	45593	20.861	ug/l #	96
38) Carbon Tetrachloride	8.10	117	131197	22.117	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	139751	20.740	ug/l	98
40) Benzene	8.36	78	325086	21.405	ug/l	95
41) Methacrylonitrile	7.53	41	23621m	18.628	ug/l	
42) 1,2-Dichloroethane	8.43	62	97441	22.203	ug/l	99
43) Isopropyl Acetate	8.46	43	94664	21.761	ug/l	99
44) Trichloroethene	9.11	130	92540	20.742	ug/l	99
45) 1,2-Dichloropropane	9.39	63	80620	22.233	ug/l	100
46) Dibromomethane	9.48	93	44238	21.882	ug/l	98
47) Bromodichloromethane	9.67	83	113875	21.168	ug/l	97
48) Methyl methacrylate	9.46	41	43104	21.044	ug/l	91
49) 1,4-Dioxane	9.46	88	9547	409.543	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	235171	109.373	ug/l	100
52) Toluene	10.41	92	209272	21.003	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	109299	21.792	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	127411	21.544	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	59955	22.005	ug/l	96
56) Ethyl methacrylate	10.67	69	71662	21.061	ug/l	98
57) 1,3-Dichloropropane	10.95	76	102014	21.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145896	112.542	ug/l	98
59) 2-Hexanone	10.99	43	164966	113.040	ug/l	99
60) Dibromochloromethane	11.14	129	80307	21.315	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57786	21.504	ug/l	98
64) Tetrachloroethene	10.88	164	85607	21.725	ug/l	96
65) Chlorobenzene	11.67	112	222392	20.862	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	85001	21.151	ug/l	99
67) Ethyl Benzene	11.75	91	396526	20.493	ug/l	97
68) m/p-Xylenes	11.86	106	306425	41.029	ug/l	98
69) o-Xylene	12.18	106	139024	20.609	ug/l	100
70) Styrene	12.20	104	242371	20.469	ug/l	98
71) Bromoform	12.37	173	49312	21.516	ug/l #	98
73) Isopropylbenzene	12.48	105	383459	20.967	ug/l	100
74) N-amyl acetate	12.30	43	82013	20.978	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61916	21.551	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	42455m	21.008	ug/l	
77) Bromobenzene	12.77	156	93720	20.855	ug/l	100
78) n-propylbenzene	12.83	91	449556	21.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	250051	21.334	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	317009	21.101	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21046	21.781	ug/l	98
82) 4-Chlorotoluene	13.01	91	260447	20.880	ug/l	100
83) tert-Butylbenzene	13.23	119	265668	20.367	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	311656	20.829	ug/l	98
85) sec-Butylbenzene	13.41	105	374117	20.921	ug/l	98
86) p-Isopropyltoluene	13.53	119	353977	20.701	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177571	20.728	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	178400	21.198	ug/l	99
89) n-Butylbenzene	13.86	91	321986	20.910	ug/l	98
90) Hexachloroethane	14.12	117	68633	21.012	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156287	21.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10341	22.203	ug/l	89

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ClientSampleId :
VD0106SBSD01

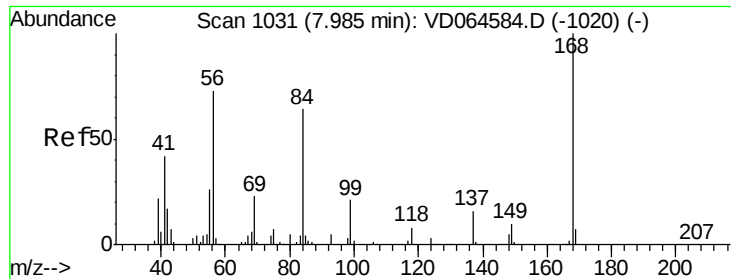
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	111931	20.810	ug/l	99
94) Hexachlorobutadiene	15.28	225	64484	19.052	ug/l	96
95) Naphthalene	15.41	128	176125	20.698	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	94909	20.669	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBSD01

Tgt Ion: 168 Resp: 401312

Ion Ratio Lower Upper

168 100

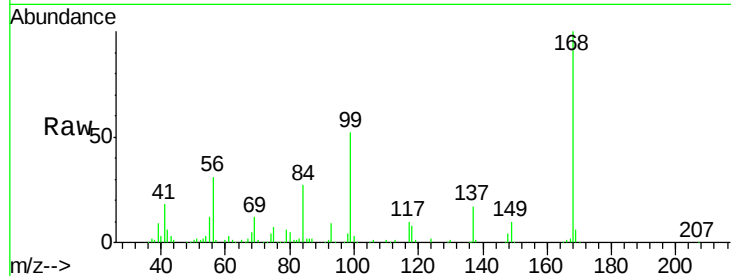
99 52.0 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

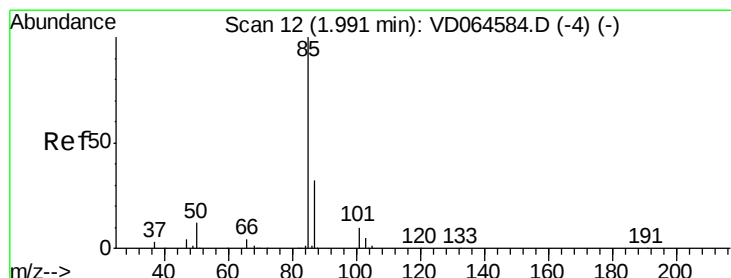
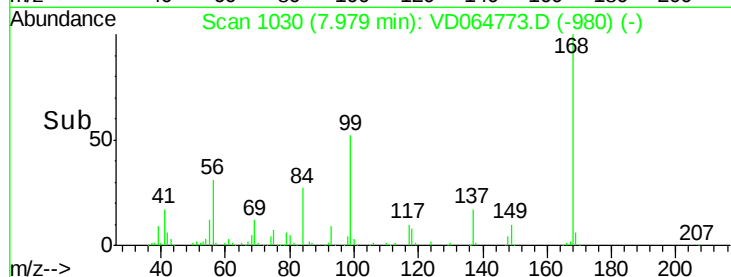
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.485 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064773.D

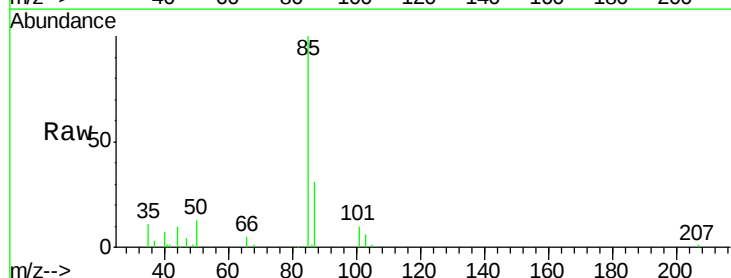
Acq: 06 Jan 2020 15:16

Tgt Ion: 85 Resp: 63888

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

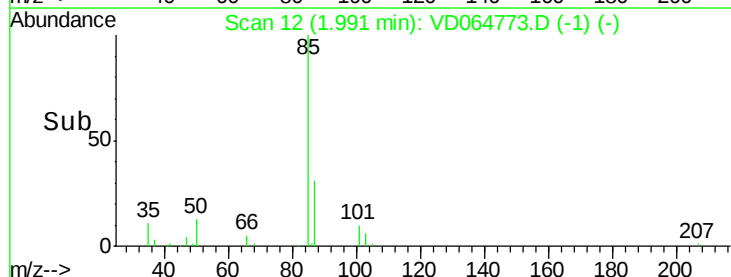
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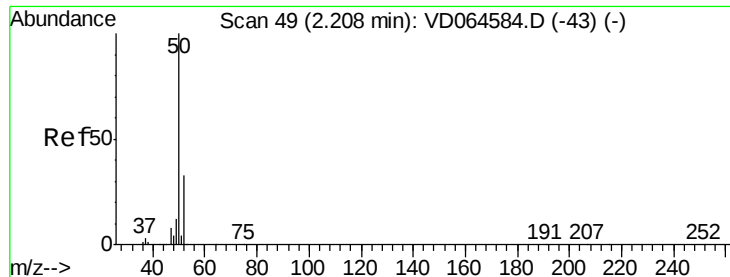
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.543 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBSD01

Tgt Ion: 50 Resp: 93966

Ion Ratio Lower Upper

50 100

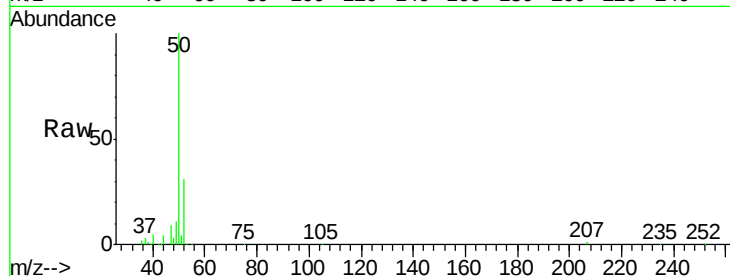
52 31.5 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

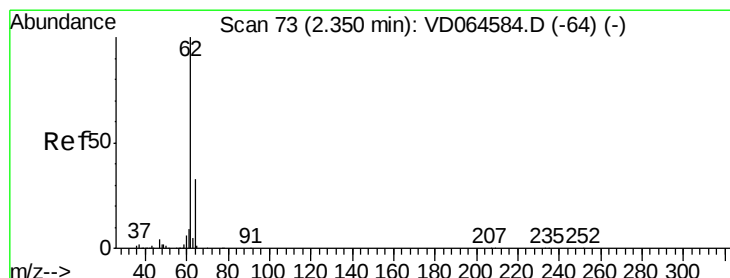
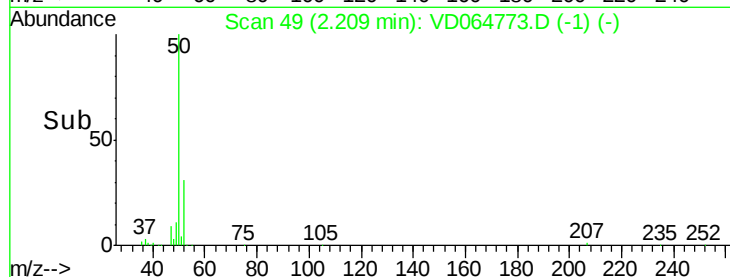
40000

20000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 21.059 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064773.D

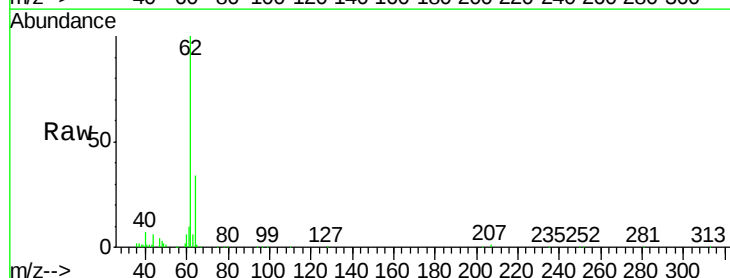
Acq: 06 Jan 2020 15:16

Tgt Ion: 62 Resp: 111997

Ion Ratio Lower Upper

62 100

64 33.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

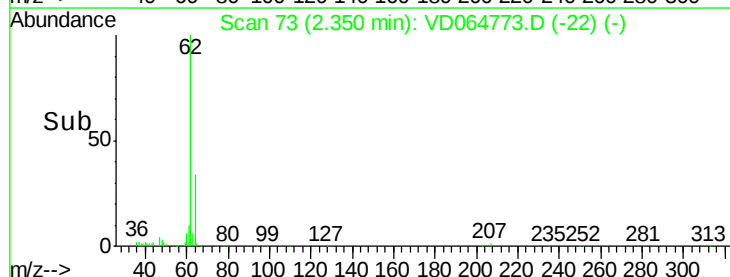
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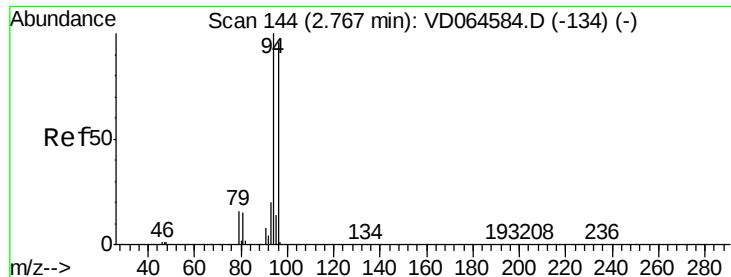
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Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 20.273 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 94 Resp: 78393

Ion Ratio Lower Upper

94 100

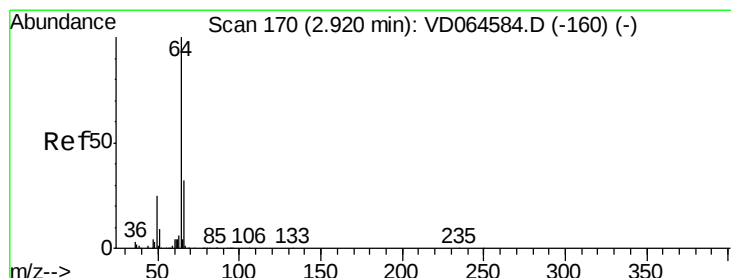
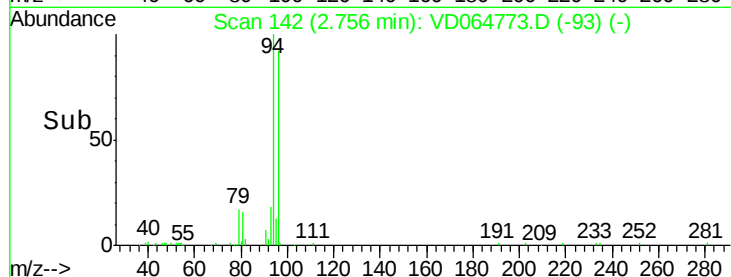
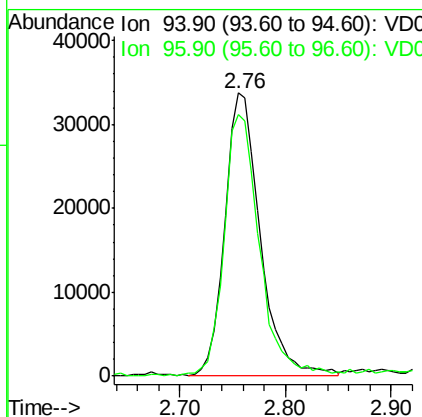
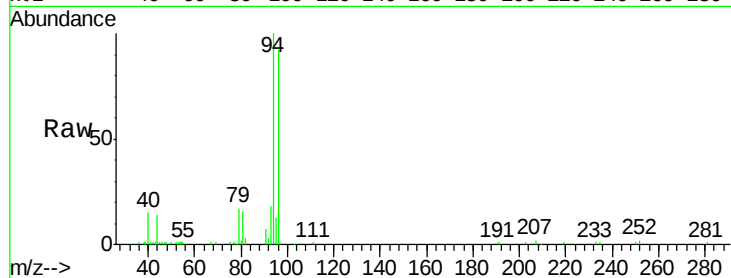
96 91.2 77.2 115.8

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#6

Chloroethane

Concen: 20.576 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064773.D

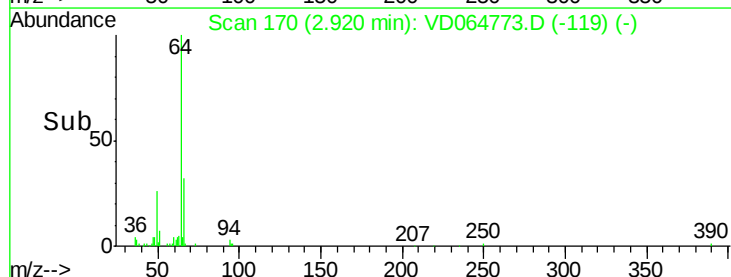
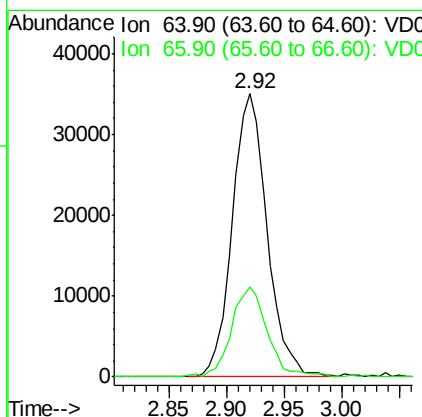
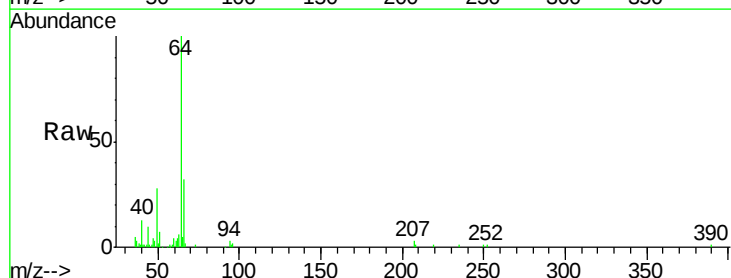
Acq: 06 Jan 2020 15:16

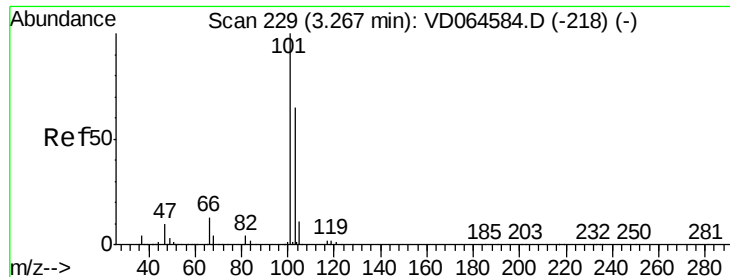
Tgt Ion: 64 Resp: 73323

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9





#7

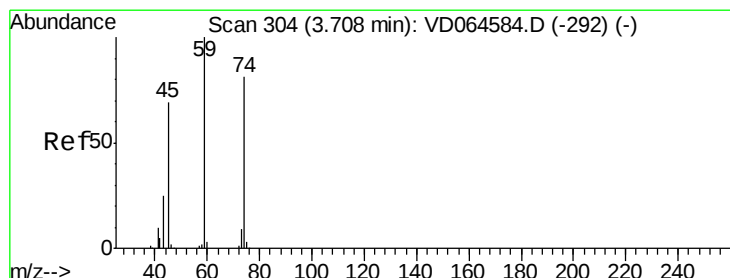
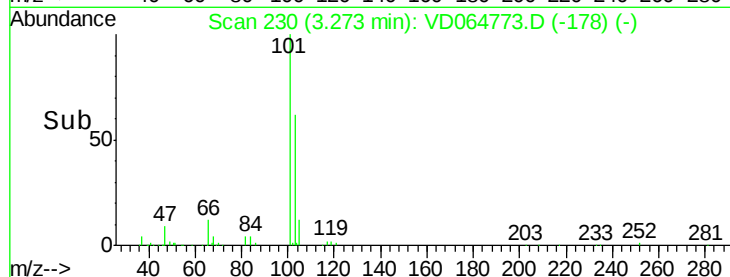
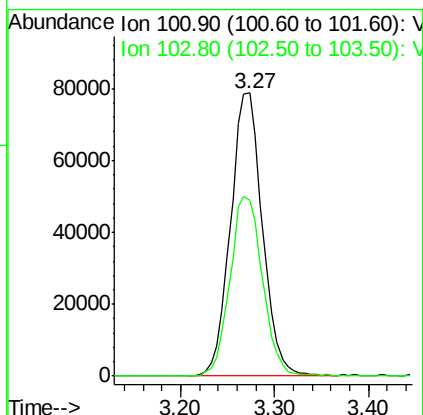
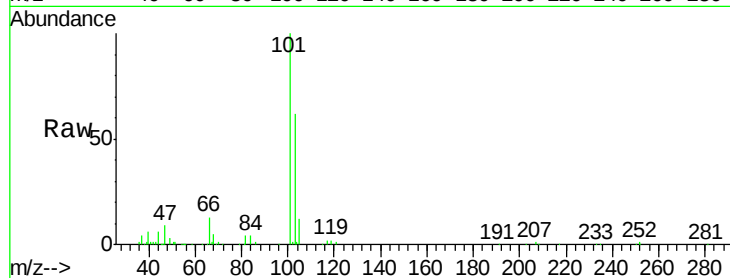
Trichlorofluoromethane
 Concen: 20.733 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

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 ClientSampleId :
 VD0106SBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.2	78.4

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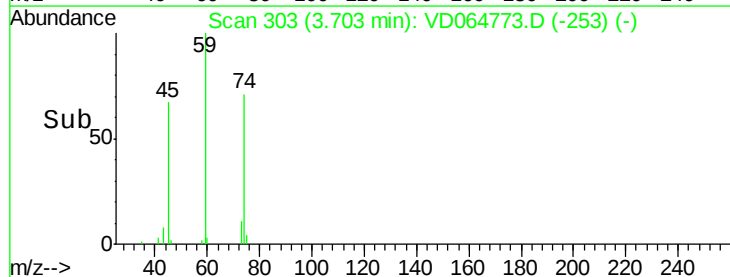
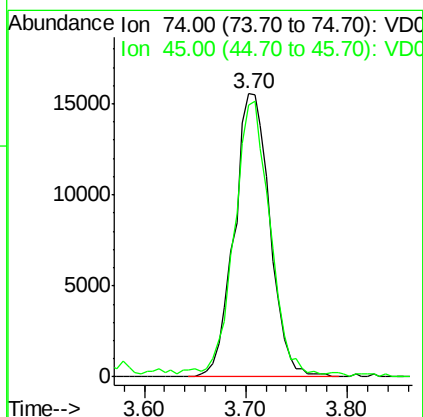
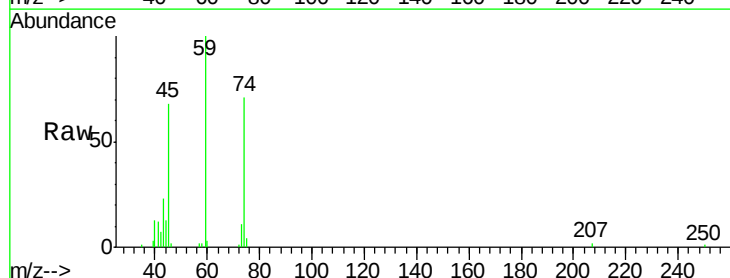
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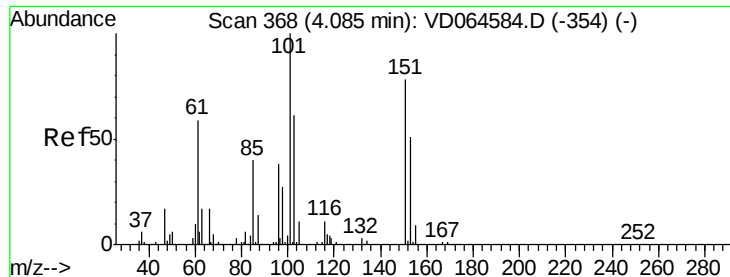


#8

Diethyl Ether
 Concen: 21.350 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.439 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

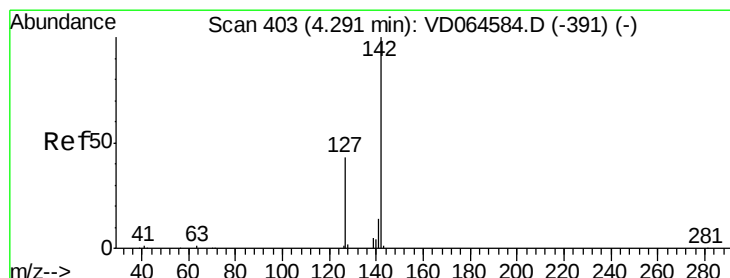
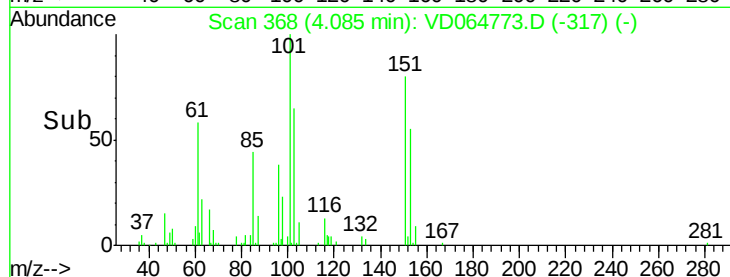
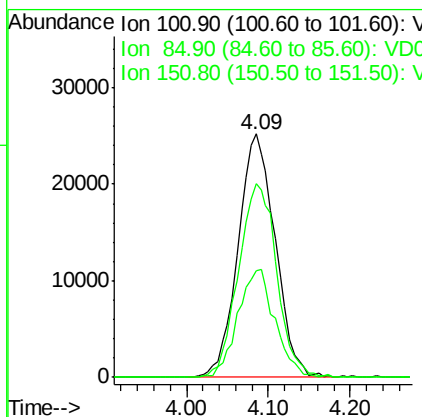
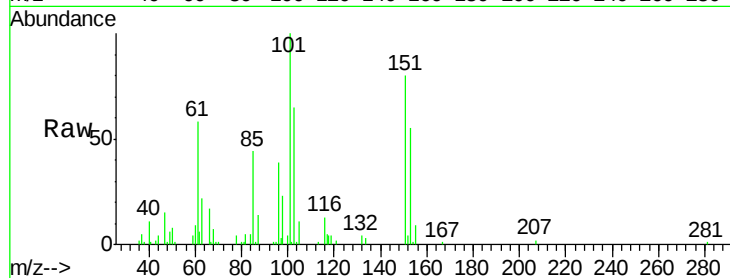
ClientSampleId :

VD0106SBSD01

Tgt Ion:	101	Resp:	79505
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	82.0	66.2	99.4

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#10

Methyl Iodide

Concen: 19.548 ug/l

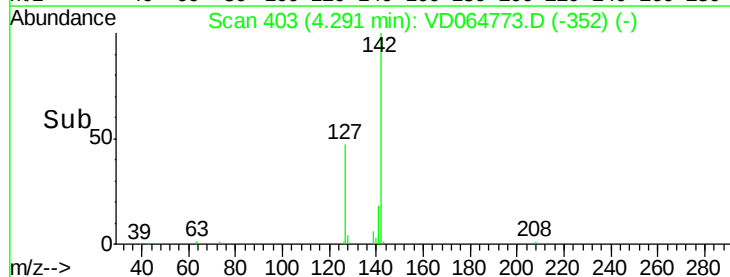
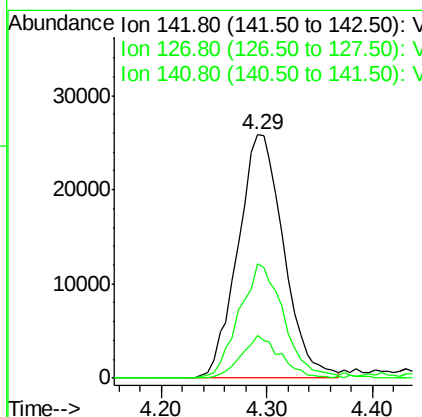
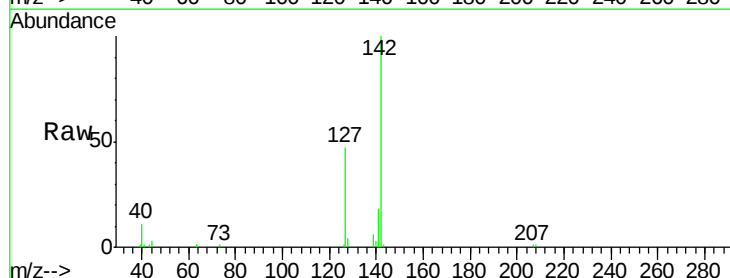
RT: 4.29 min Scan# 403

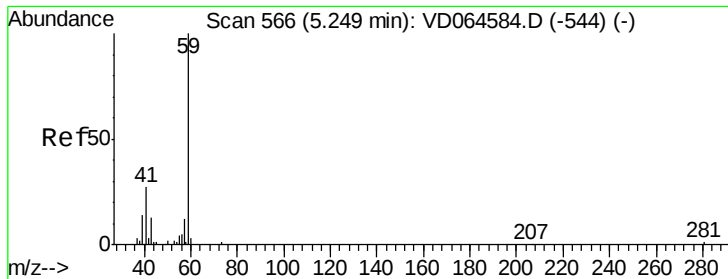
Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion:	142	Resp:	77869
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.2	54.4
141	15.1	11.8	17.8





#11

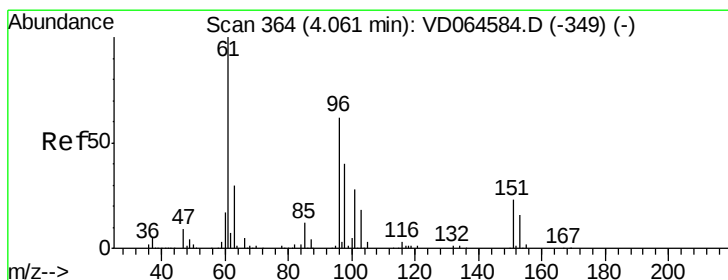
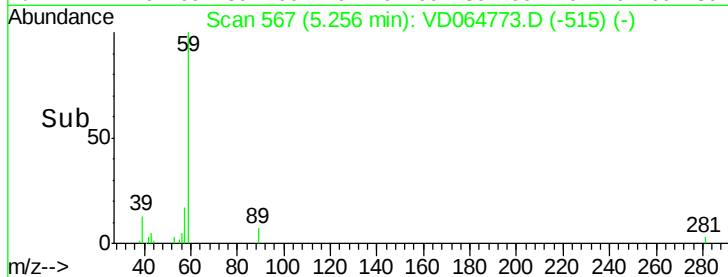
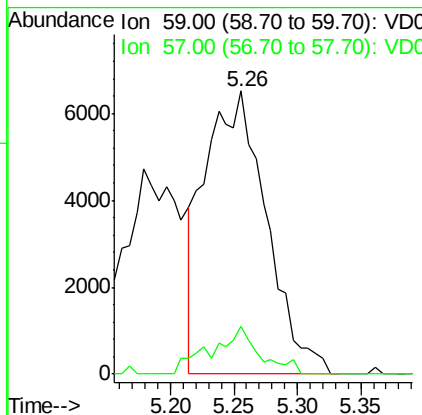
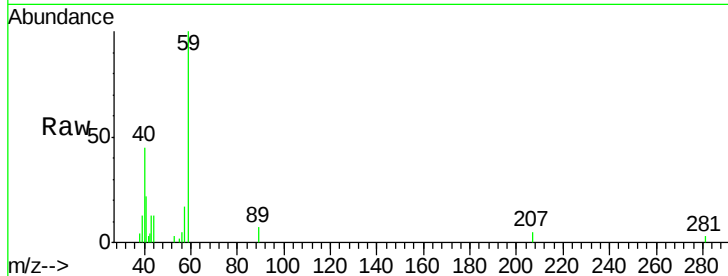
Tert butyl alcohol
 Concen: 108.069 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	9.3	13.9

Manual Integrations
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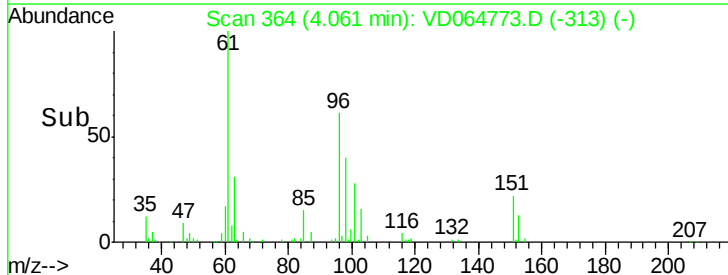
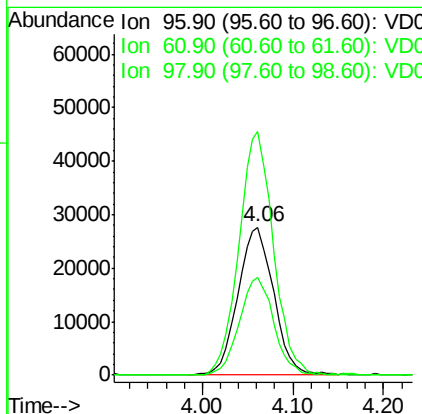
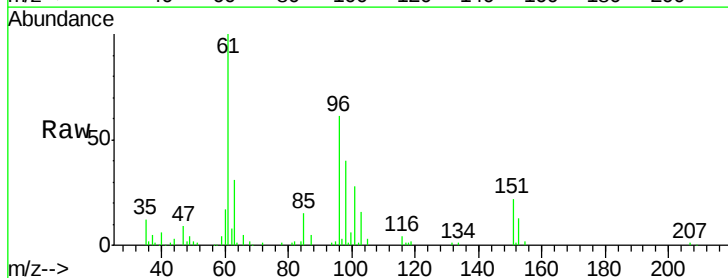
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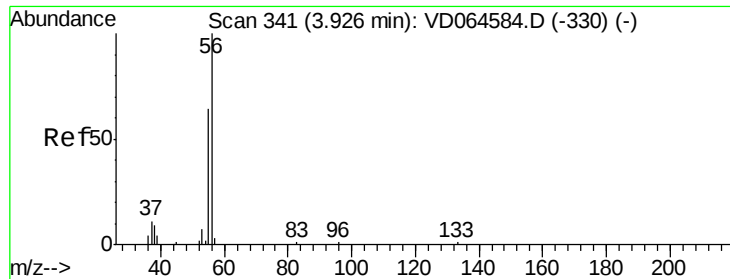


#12

1,1-Dichloroethene
 Concen: 21.391 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	129.4	194.0
98	66.4	51.4	77.0





#13

Acrolein

Concen: 85.993 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBSD01

Tgt Ion: 56 Resp: 24305

Ion Ratio Lower Upper

56 100

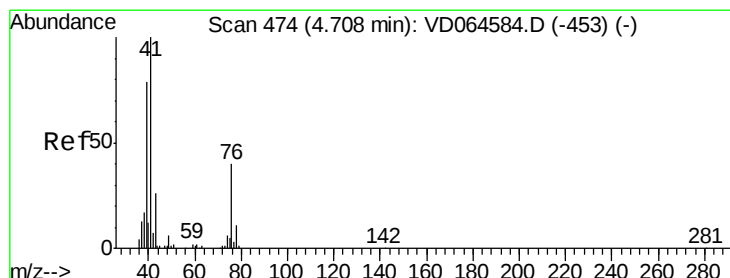
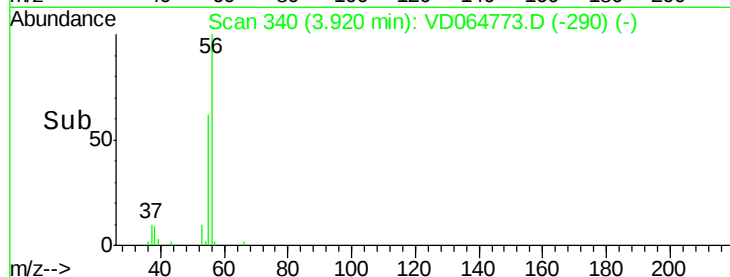
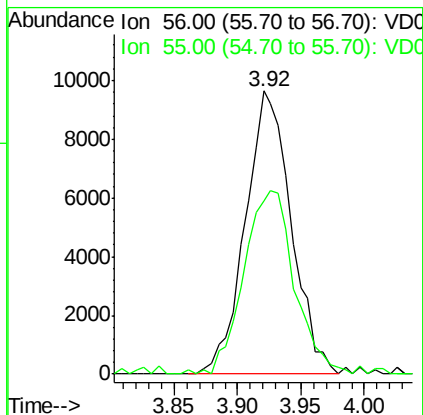
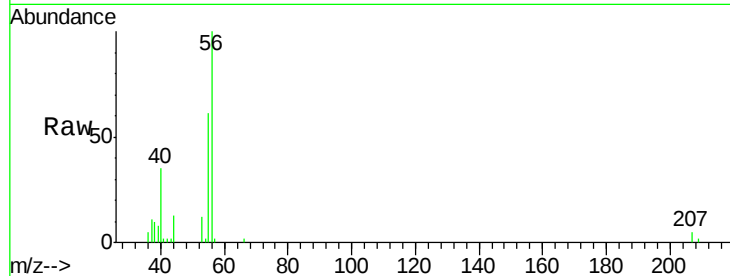
55 71.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.784 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

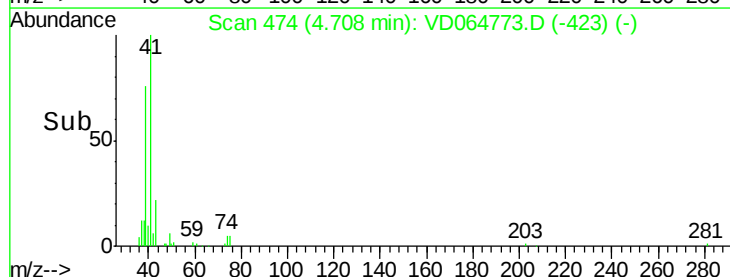
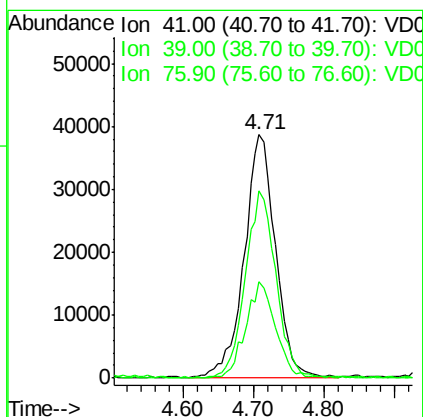
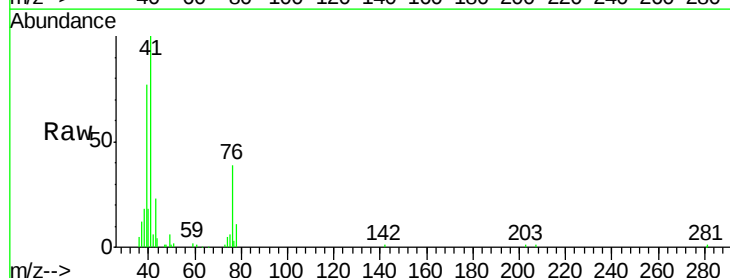
Tgt Ion: 41 Resp: 119916

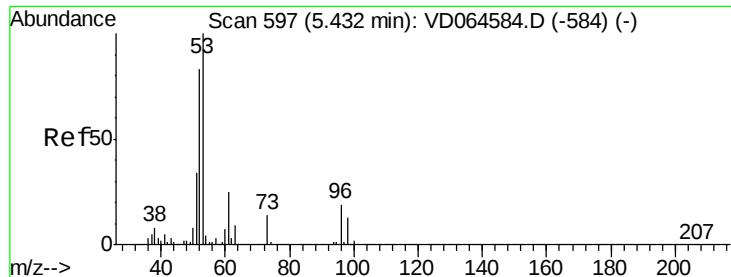
Ion Ratio Lower Upper

41 100

39 75.0 62.3 93.5

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 109.234 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

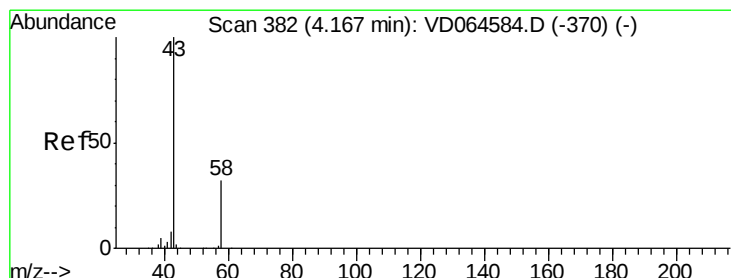
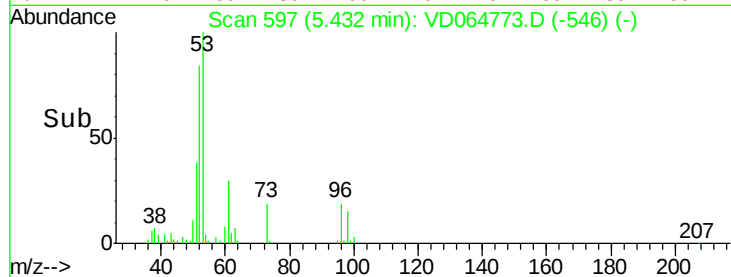
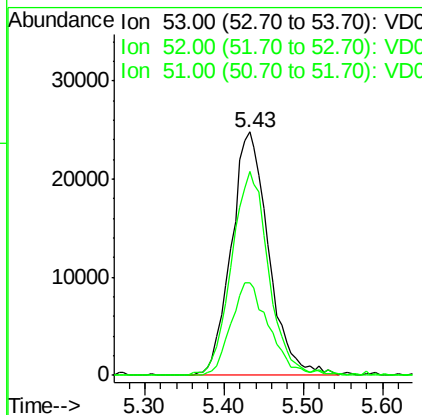
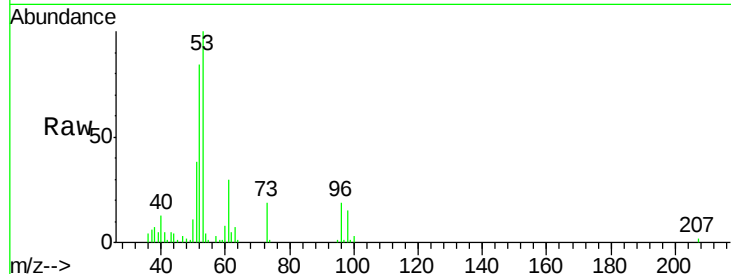
ClientSampleId :

VD0106SBSD01

Tgt Ion:	53	Resp:	80908
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	38.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 107.287 ug/l

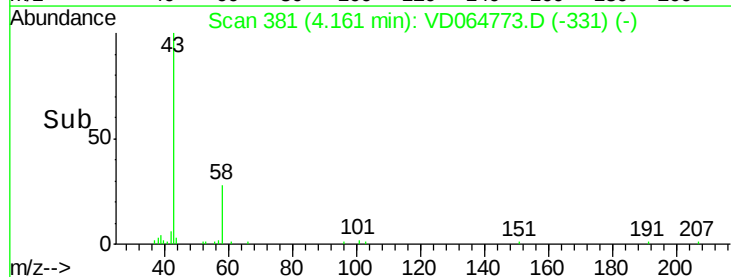
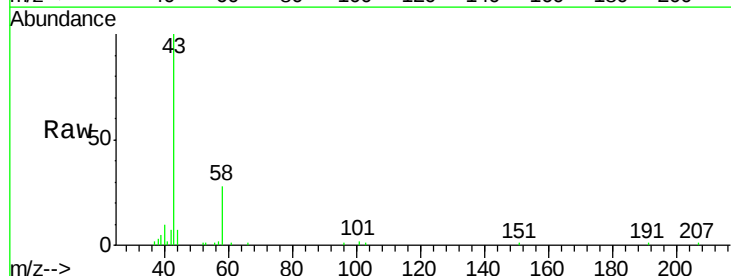
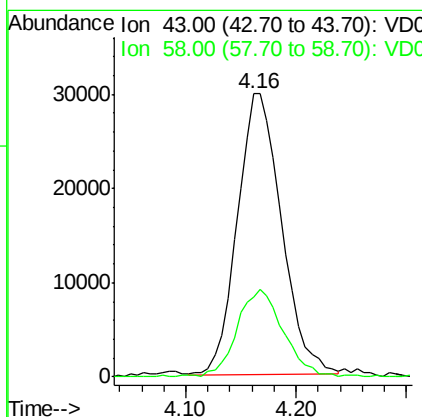
RT: 4.16 min Scan# 381

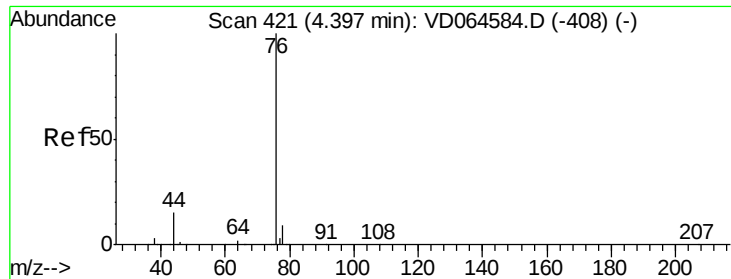
Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion:	43	Resp:	83602
Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.8	38.6





#17

Carbon Disulfide

Concen: 20.397 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBSD01

Tgt Ion: 76 Resp: 232856

Ion Ratio Lower Upper

76 100

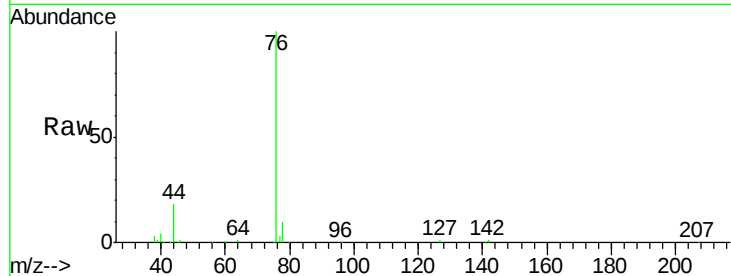
78 9.5 7.3 10.9

Manual Integrations

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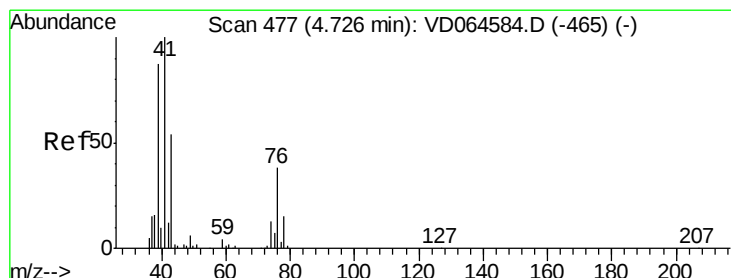
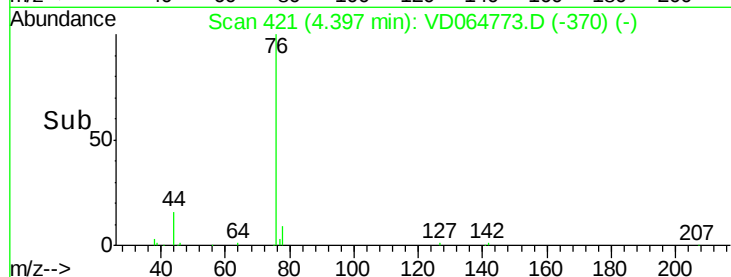
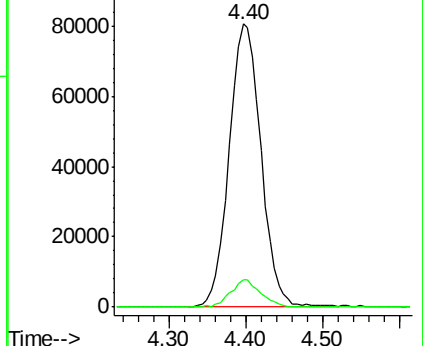
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.639 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064773.D

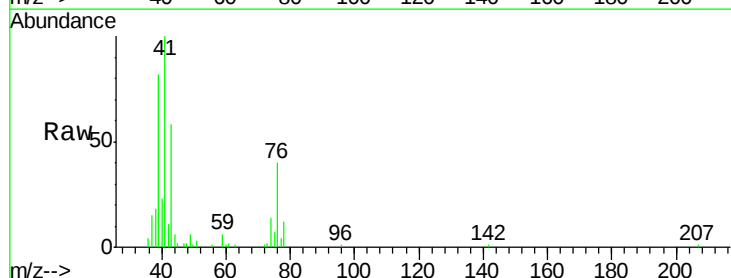
Acq: 06 Jan 2020 15:16

Tgt Ion: 43 Resp: 43110

Ion Ratio Lower Upper

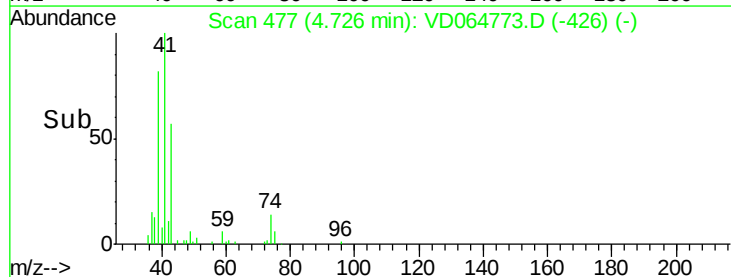
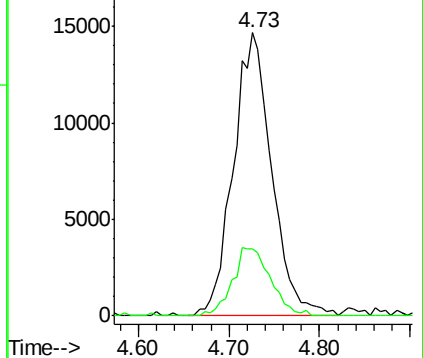
43 100

74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

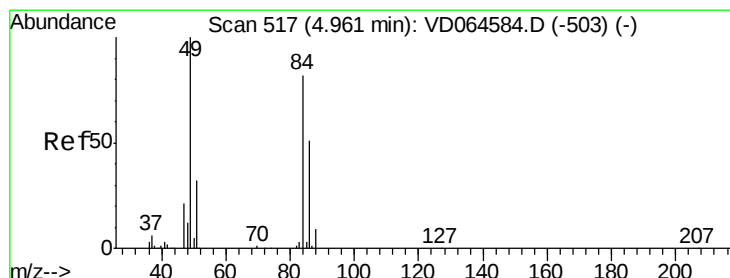
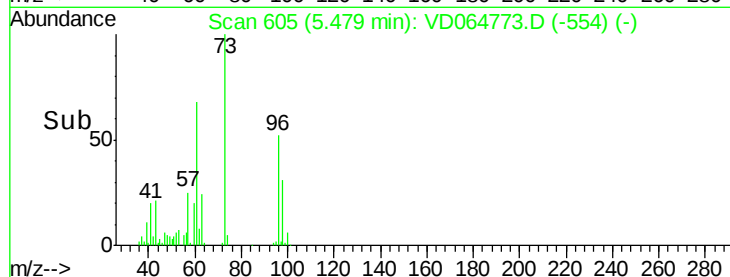
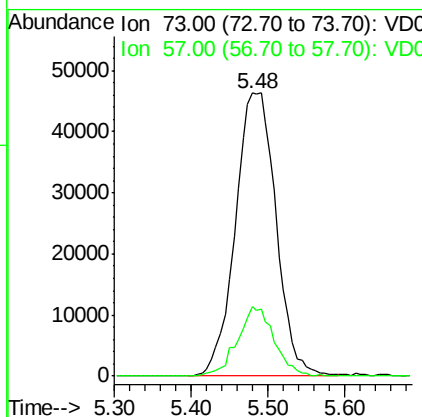
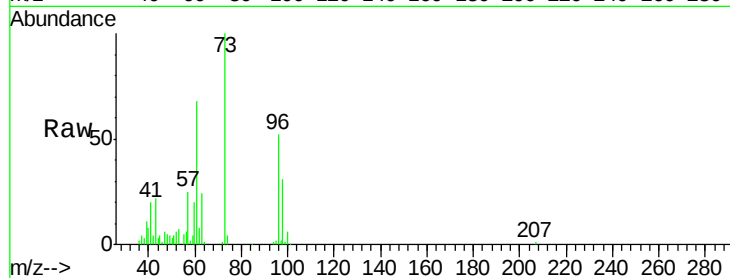
Methyl tert-butyl Ether
 Concen: 21.831 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBS01

Tgt Ion: 73 Resp: 171203
 Ion Ratio Lower Upper
 73 100
 57 24.8 18.6 27.8

Manual Integrations
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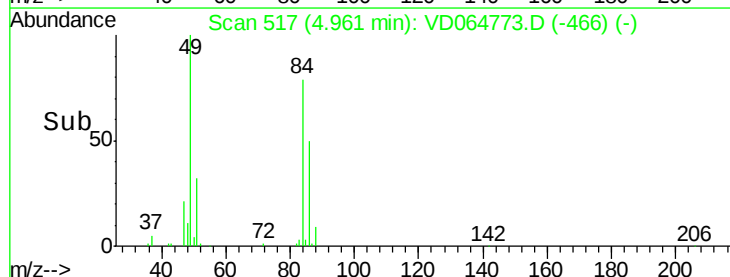
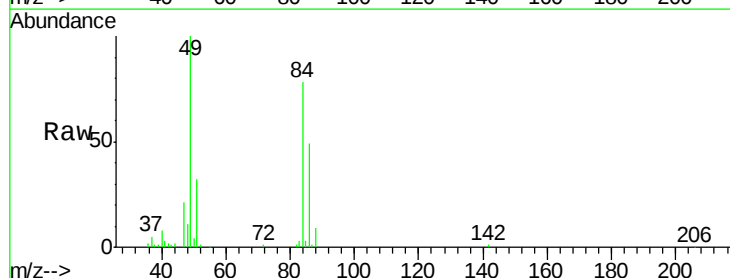
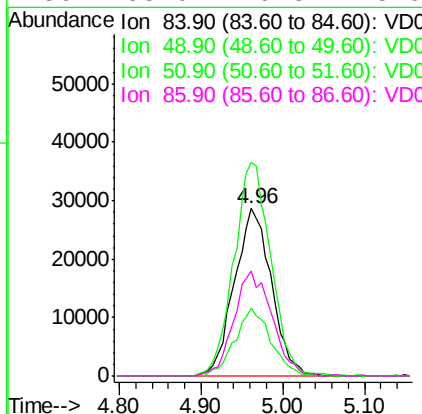
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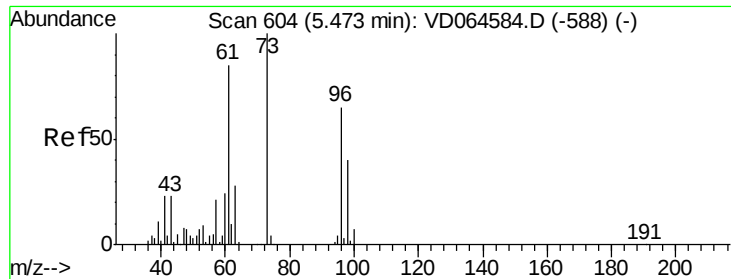


#20

Methylene Chloride
 Concen: 22.216 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 84 Resp: 90231
 Ion Ratio Lower Upper
 84 100
 49 127.5 97.2 145.8
 51 40.8 31.4 47.0
 86 63.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.179 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

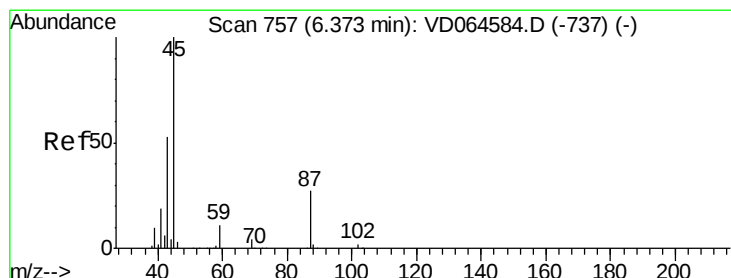
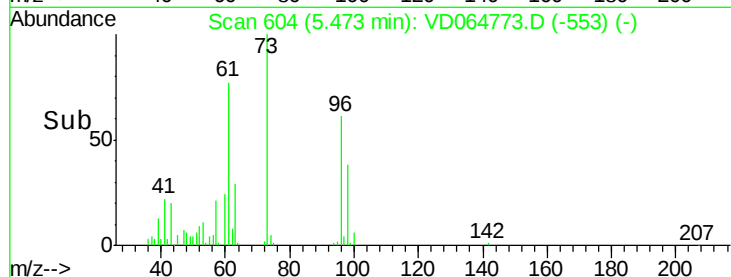
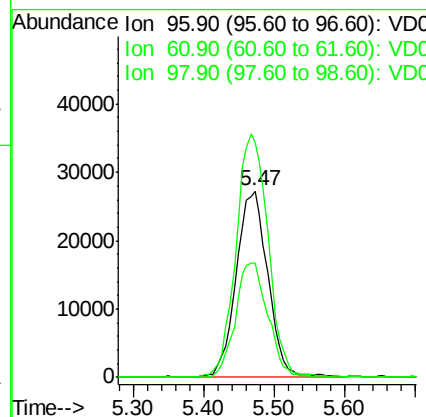
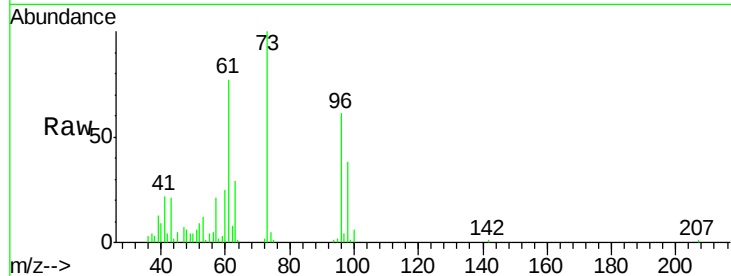
ClientSampleId :

VD0106SBSD01

Tgt Ion:	96	Resp:	85157
Ion	Ratio	Lower	Upper
96	100		
61	126.0	104.7	157.1
98	61.6	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.189 ug/l

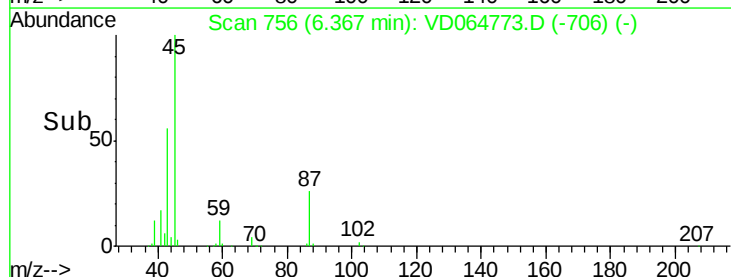
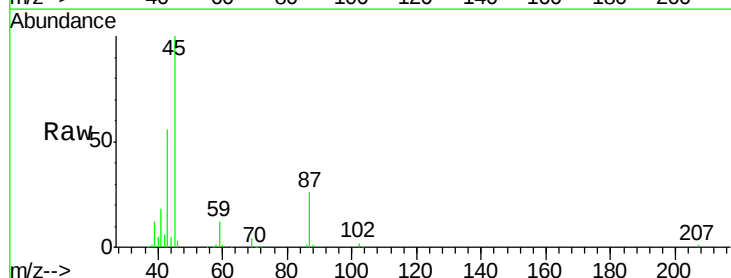
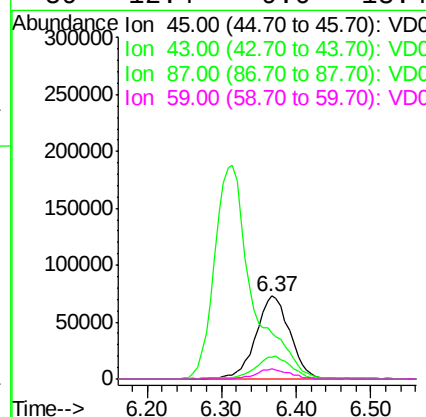
RT: 6.37 min Scan# 756

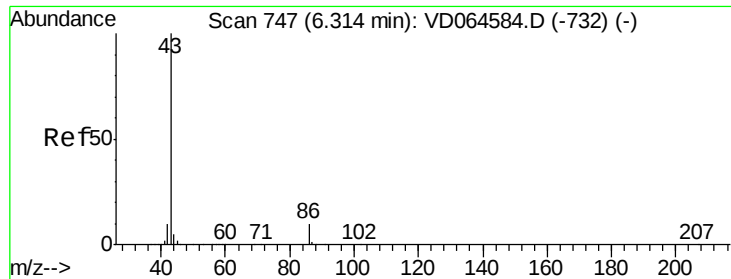
Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion:	45	Resp:	232652
Ion	Ratio	Lower	Upper
45	100		
43	55.0	43.2	64.8
87	26.4	21.9	32.9
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 105.554 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 43 Resp: 657430

Ion Ratio Lower Upper

43 100

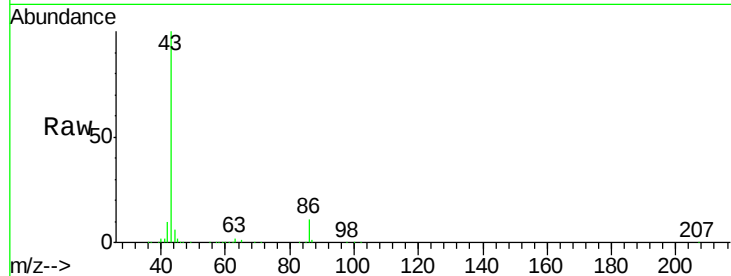
86 10.6 8.3 12.5

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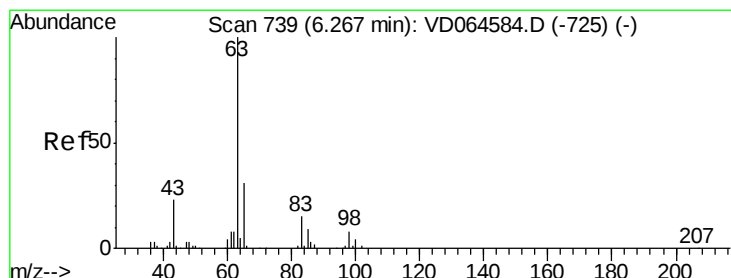
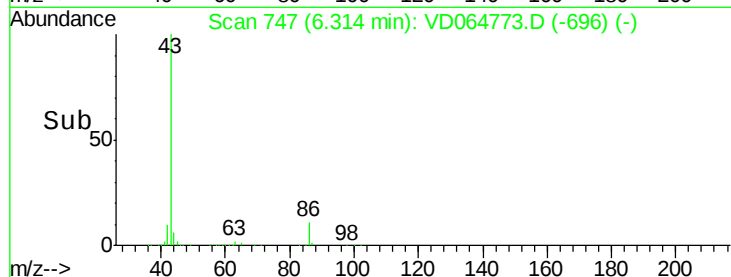
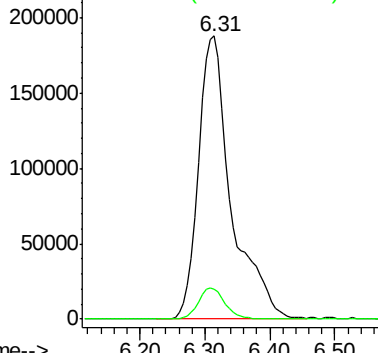
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.730 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

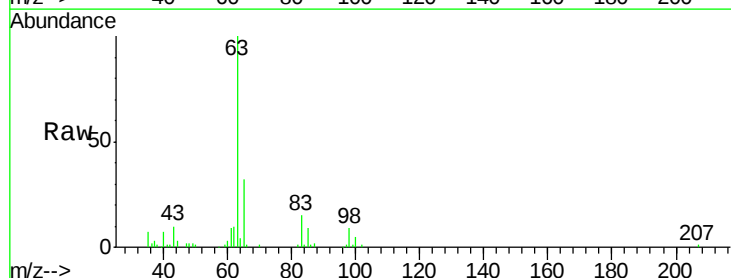
Tgt Ion: 63 Resp: 143235

Ion Ratio Lower Upper

63 100

98 8.9 4.1 12.3

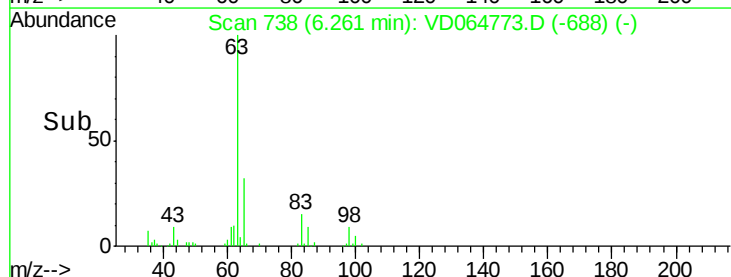
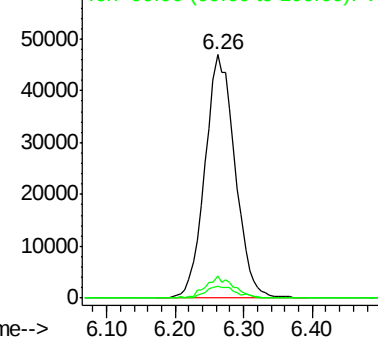
100 4.8 2.2 6.6

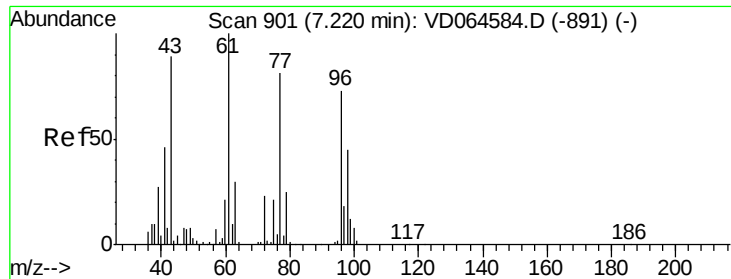


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 115.241 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 43 Resp: 112096

Ion Ratio Lower Upper

43 100

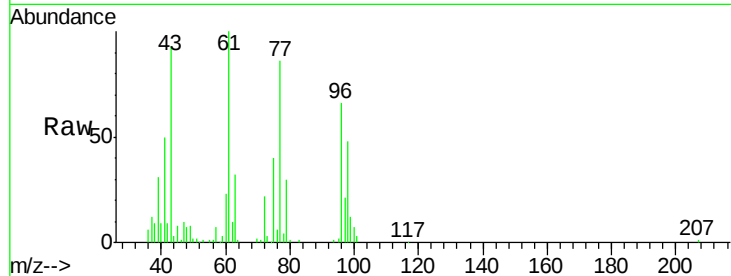
72 24.0 20.7 31.1

Manual Integrations

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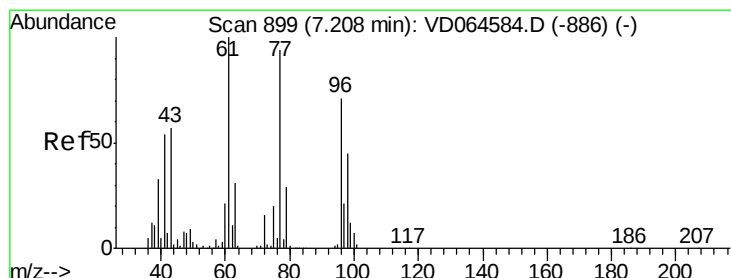
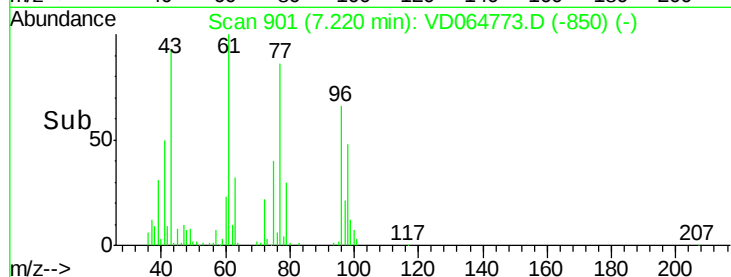
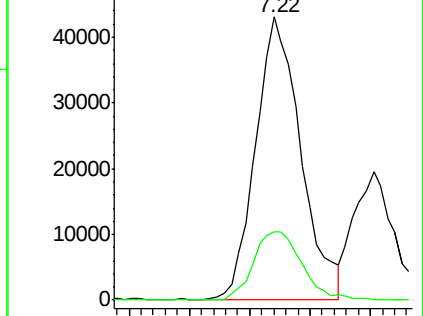
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.329 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064773.D

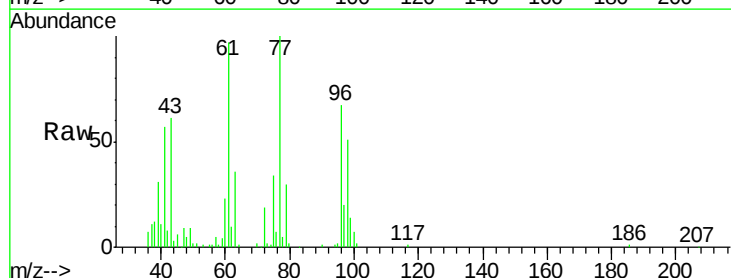
Acq: 06 Jan 2020 15:16

Tgt Ion: 77 Resp: 130712

Ion Ratio Lower Upper

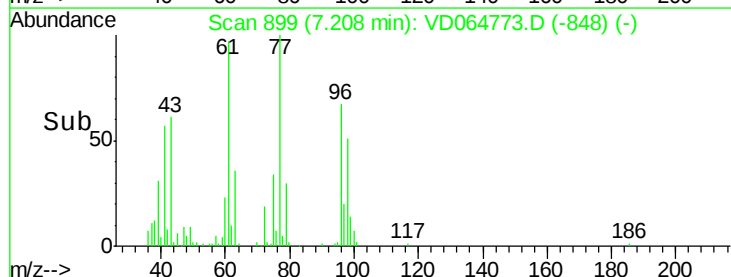
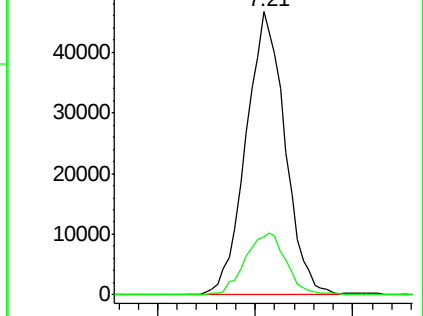
77 100

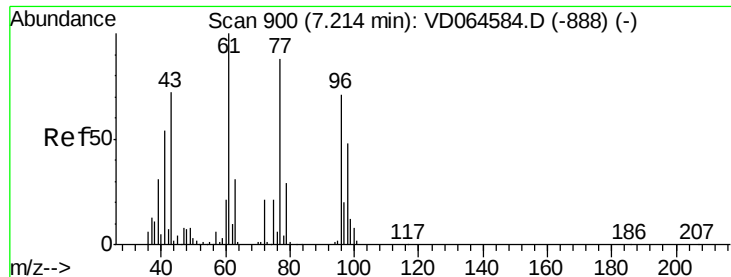
97 22.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

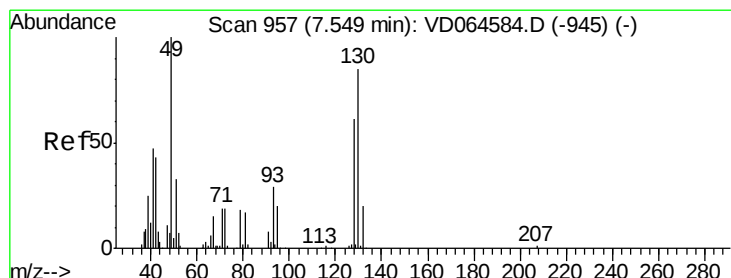
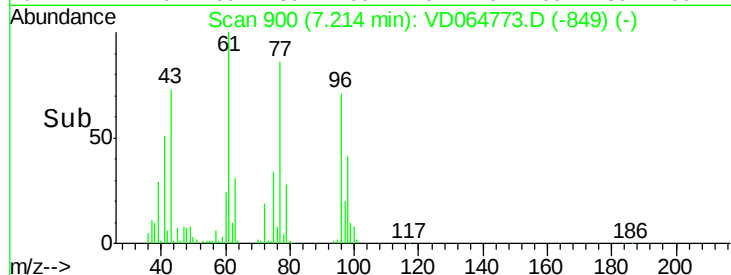
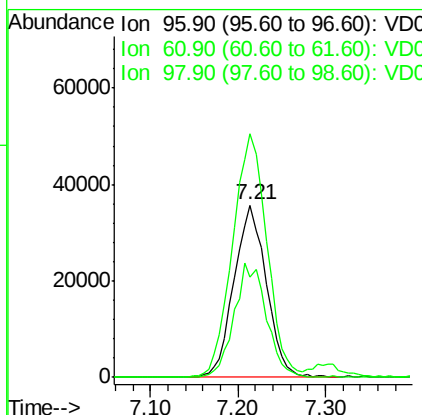
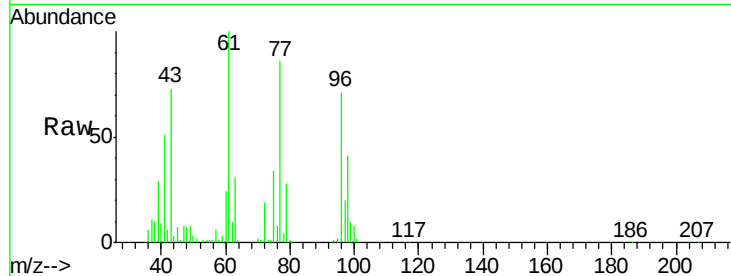
cis-1,2-Dichloroethene
 Concen: 20.644 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	89583		
61	149.9	0.0	282.6	
98	65.5	0.0	130.8	

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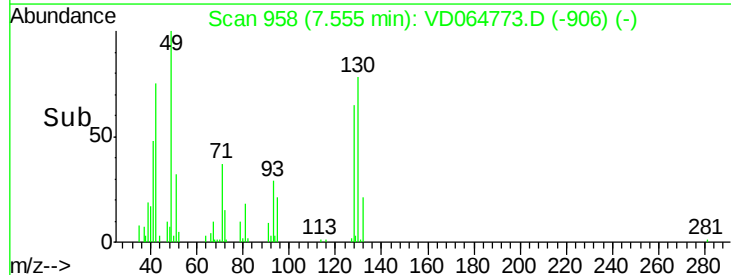
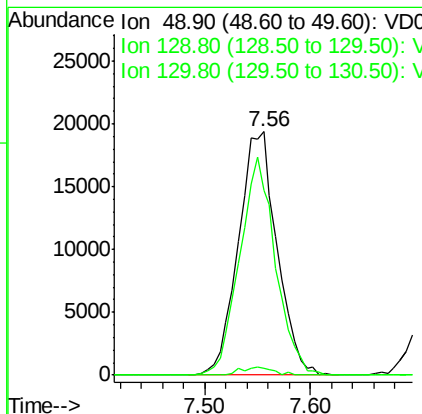
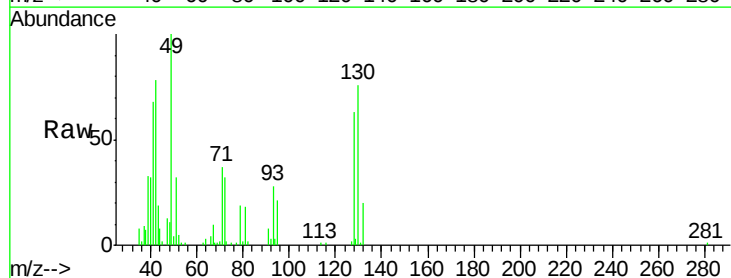
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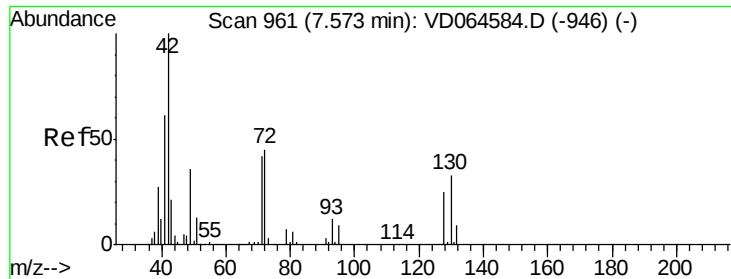


#28

Bromochloromethane
 Concen: 19.169 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49117		
129	2.7	0.0	4.8	
130	83.3	65.0	97.6	





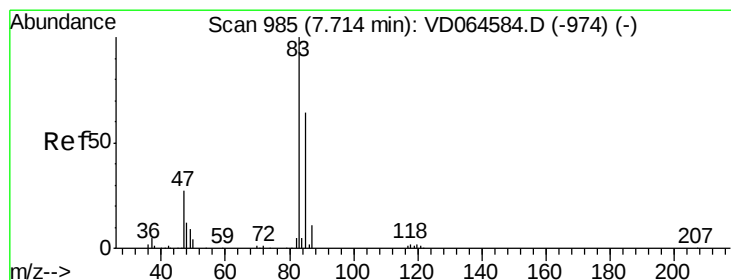
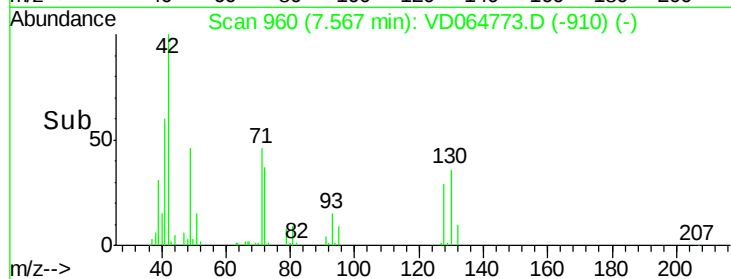
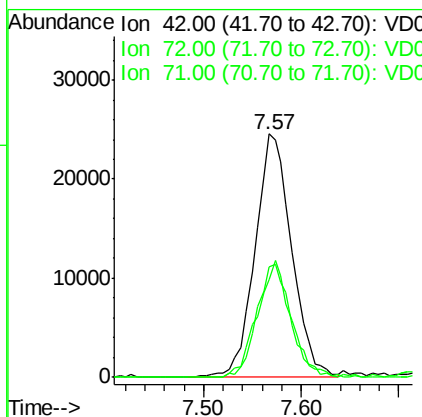
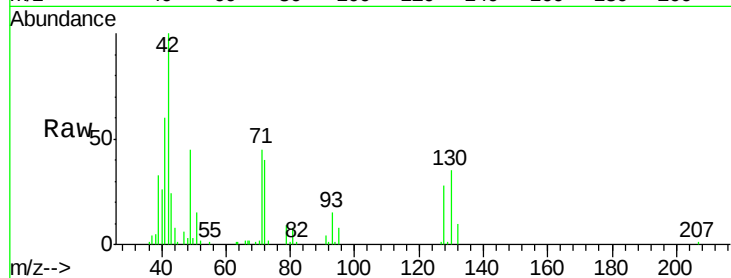
#29
Tetrahydrofuran
Concen: 106.777 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBS001

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.0	52.4
71	43.5	32.9	49.3

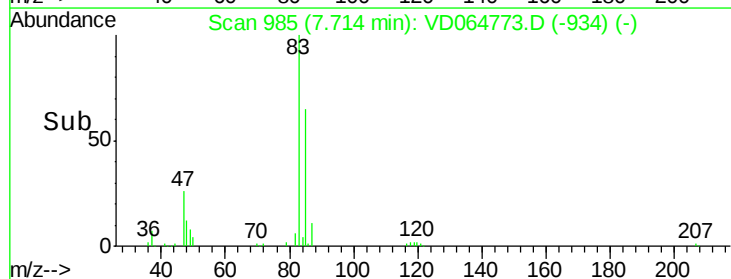
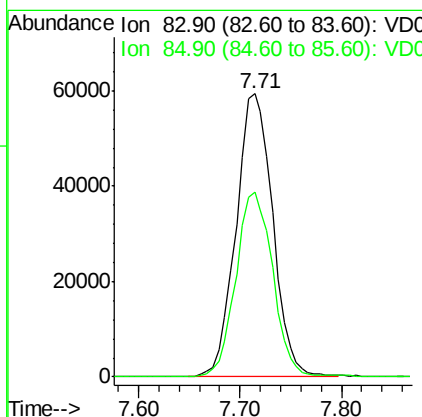
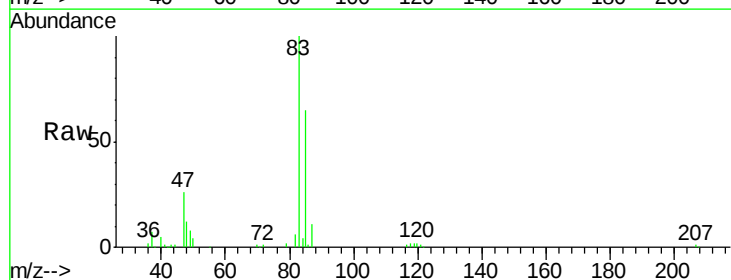
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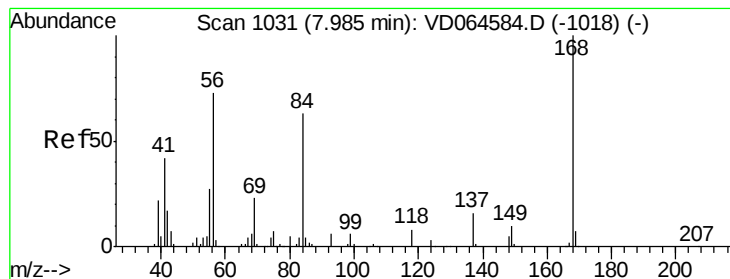
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#30
Chloroform
Concen: 21.561 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7





#31

Cyclohexane

Concen: 20.749 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 56 Resp: 136907
Ion Ratio Lower Upper

56 100

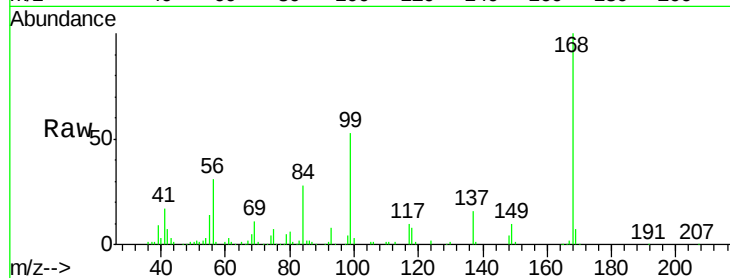
69 36.5 24.7 37.1

84 88.5 69.4 104.2

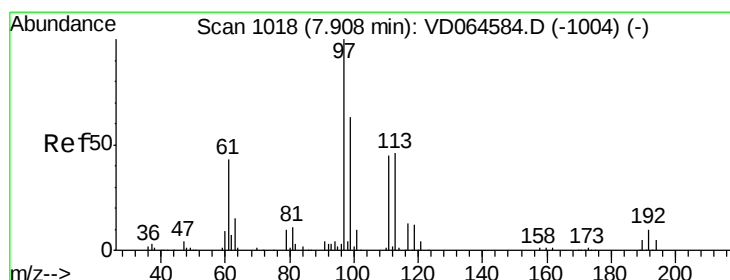
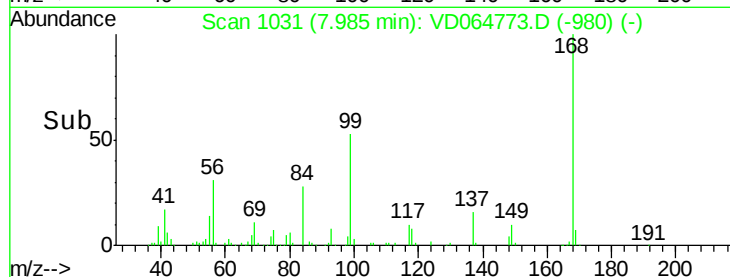
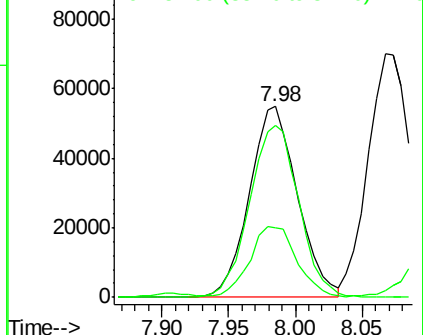
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.525 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064773.D

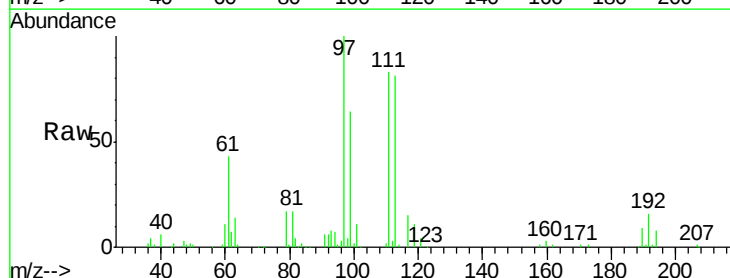
Acq: 06 Jan 2020 15:16

Tgt Ion: 97 Resp: 139819
Ion Ratio Lower Upper

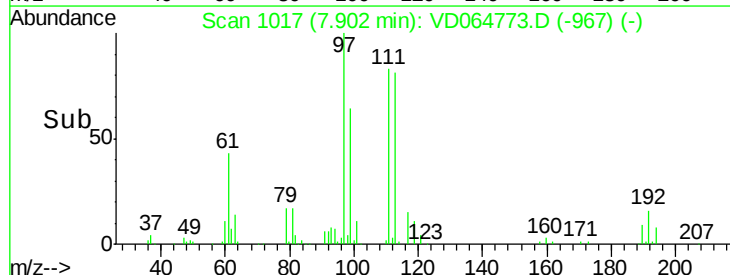
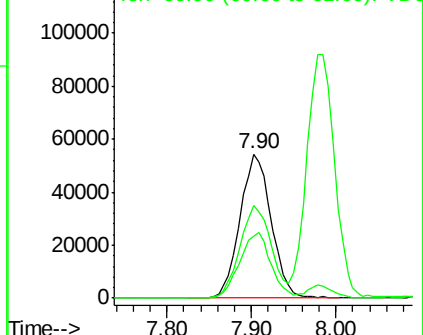
97 100

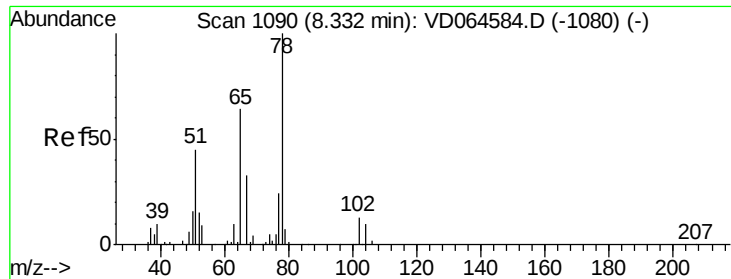
99 64.6 51.0 76.6

61 45.1 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.318 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBSD01

Tgt Ion: 65 Resp: 181599

Ion Ratio Lower Upper

65 100

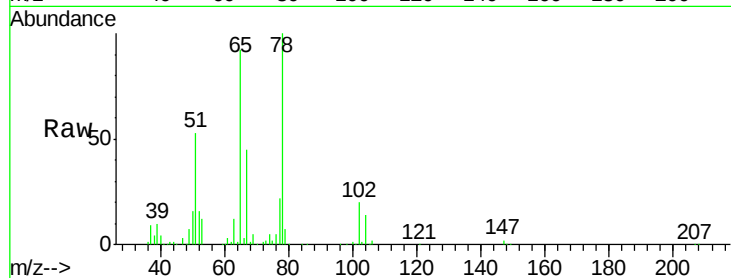
67 50.5 0.0 106.2

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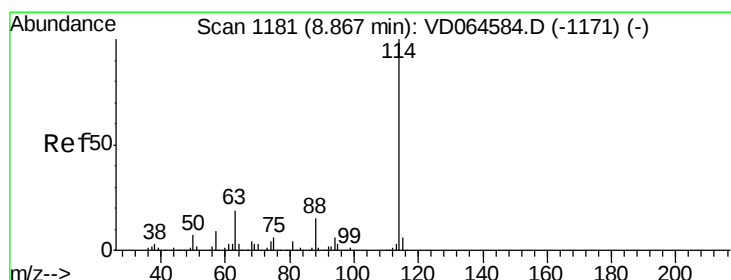
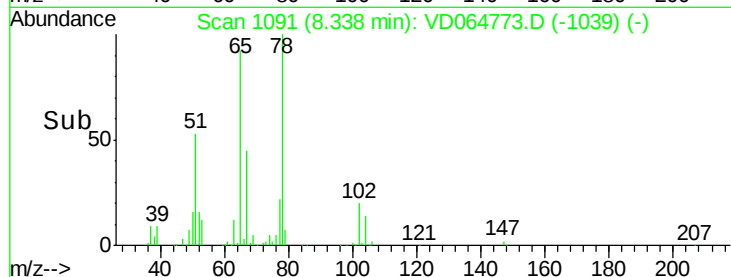
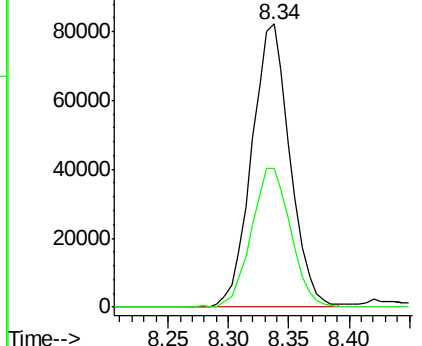
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Abundance Ion 64.90 (64.60 to 65.60): VD064773.D (-1039) (-)

Ion 66.90 (66.60 to 67.60): VD064773.D (-1039) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

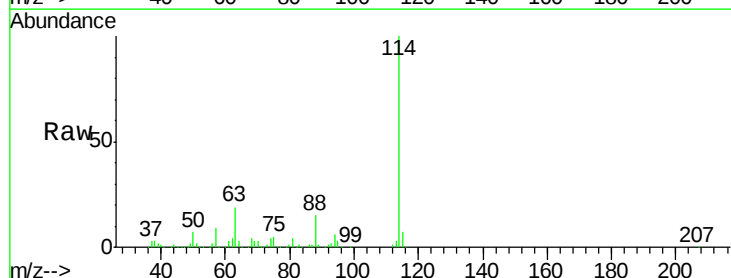
Tgt Ion: 114 Resp: 578002

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

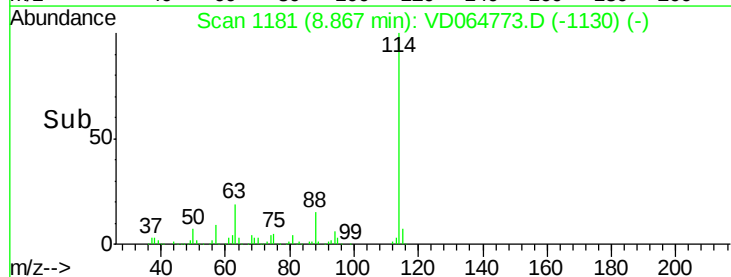
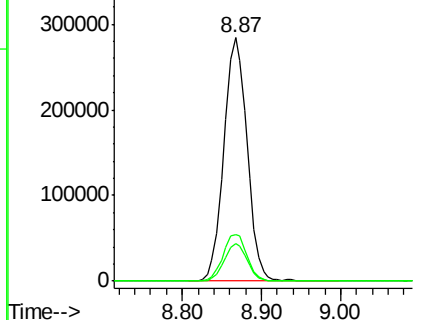
88 15.2 0.0 29.2

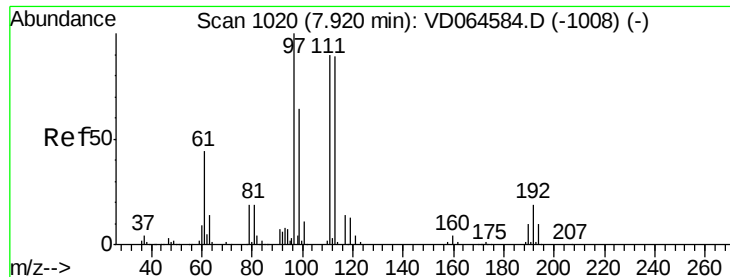


Abundance Ion 113.90 (113.60 to 114.60): VD064773.D (-1130) (-)

Ion 63.00 (62.70 to 63.70): VD064773.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD064773.D (-1130) (-)





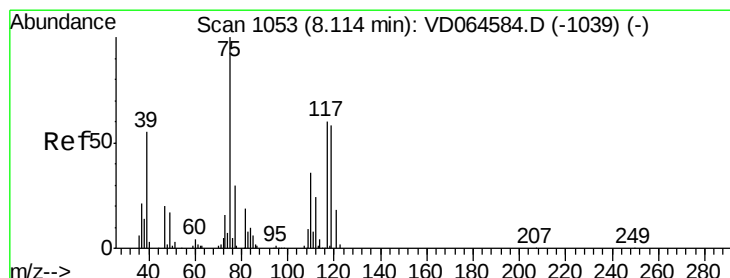
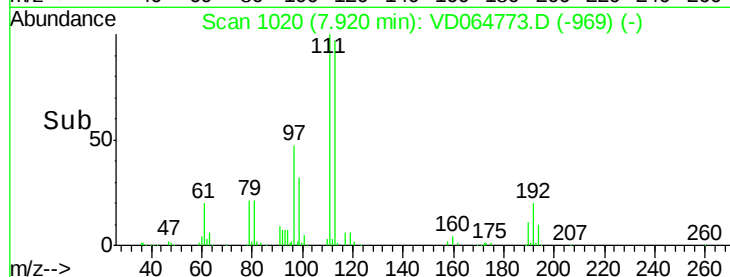
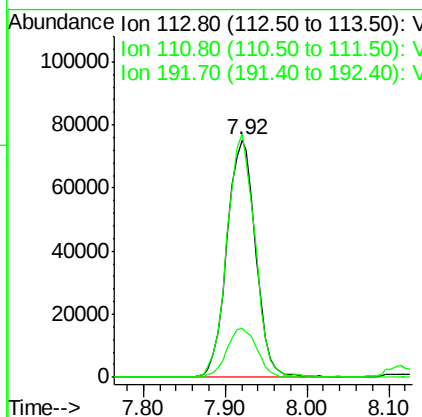
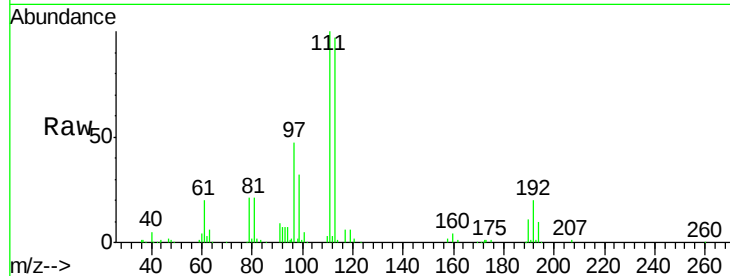
#35
 Dibromofluoromethane
 Concen: 51.885 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	183990		
111	99.4	80.6	121.0	
192	21.7	17.9	26.9	

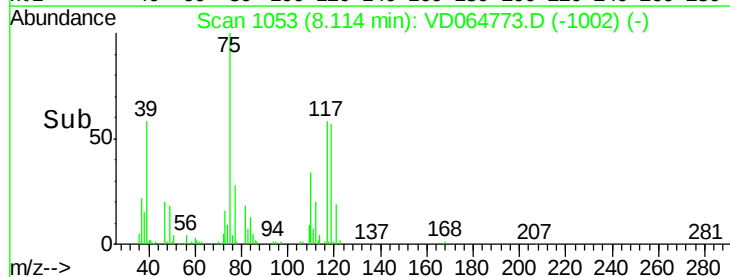
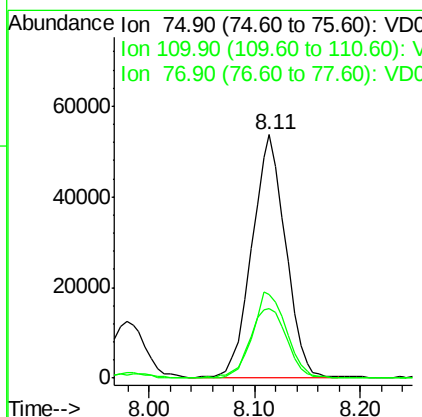
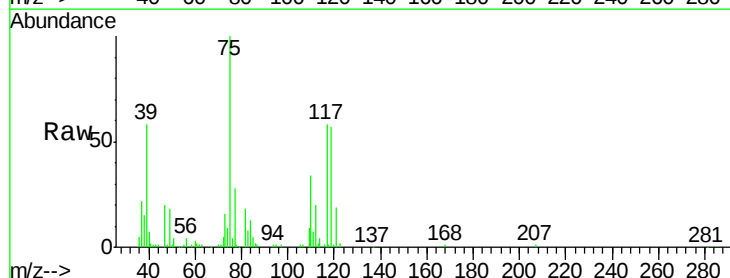
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#36
 1,1-Dichloropropene
 Concen: 21.271 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118338		
110	36.0	18.1	54.1	
77	31.6	24.2	36.4	





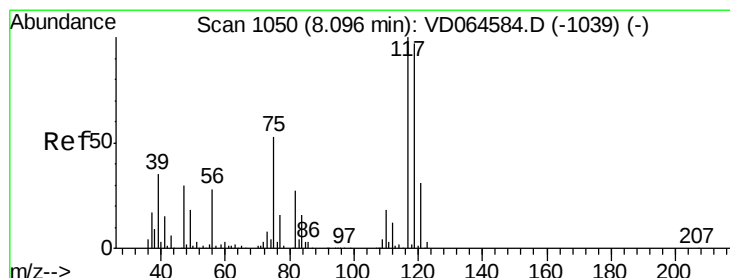
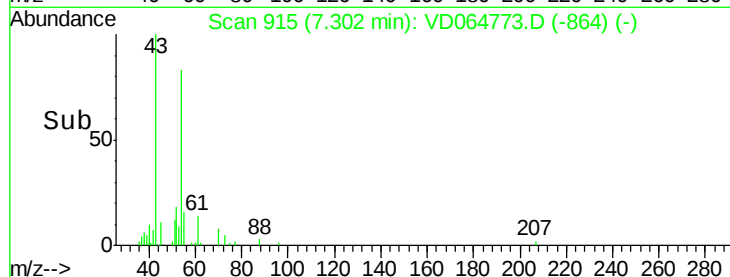
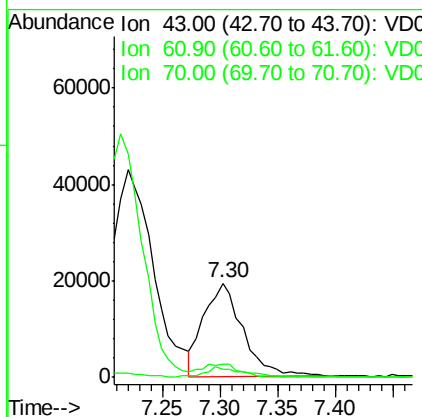
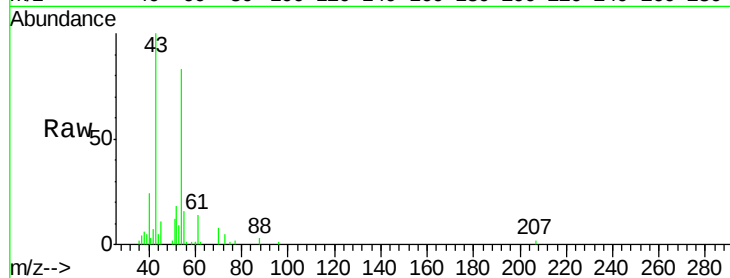
#37
Ethyl Acetate
Concen: 20.861 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion: 43 Resp: 45593
Ion Ratio Lower Upper
43 100
61 15.8 10.3 15.5#
70 9.2 7.6 11.4

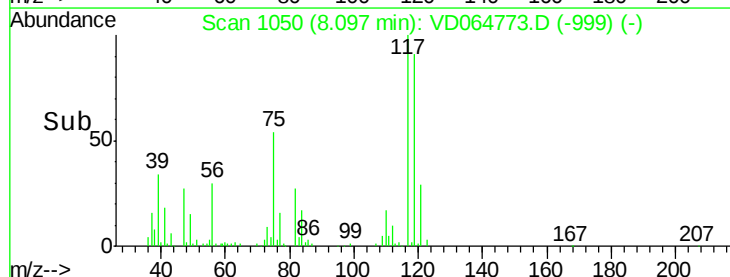
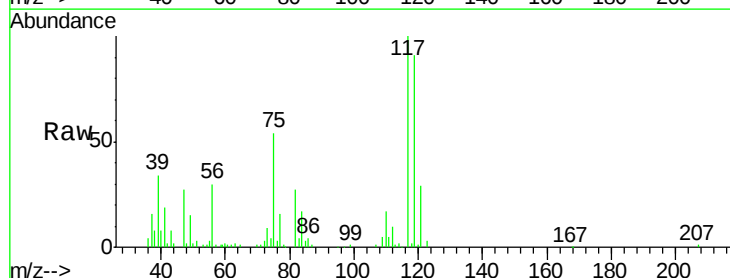
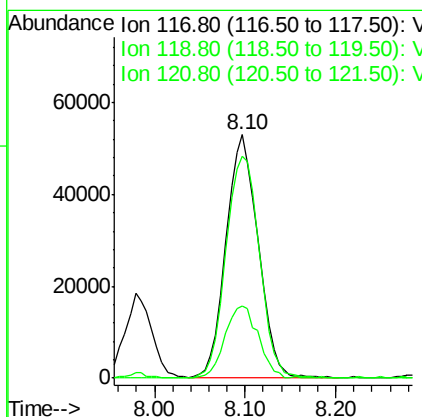
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#38
Carbon Tetrachloride
Concen: 22.117 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 117 Resp: 131197
Ion Ratio Lower Upper
117 100
119 91.0 77.3 115.9
121 29.5 25.0 37.6





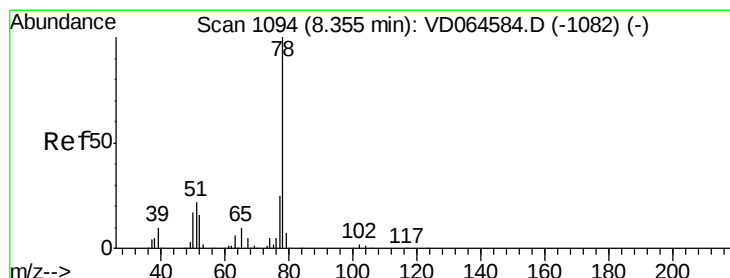
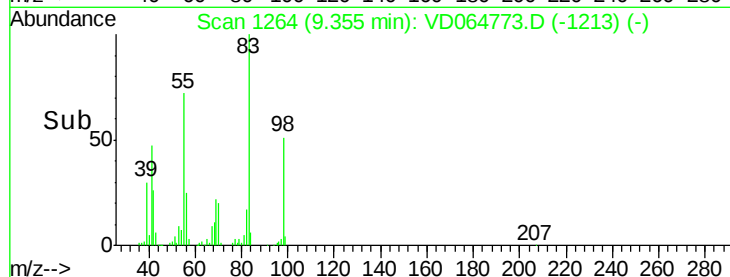
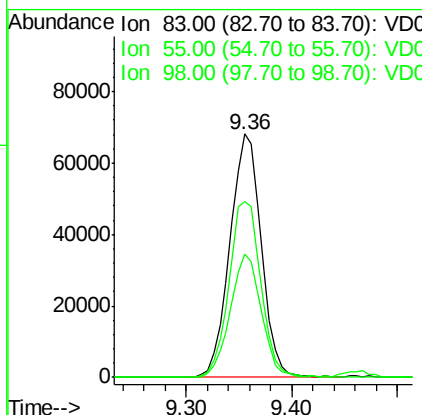
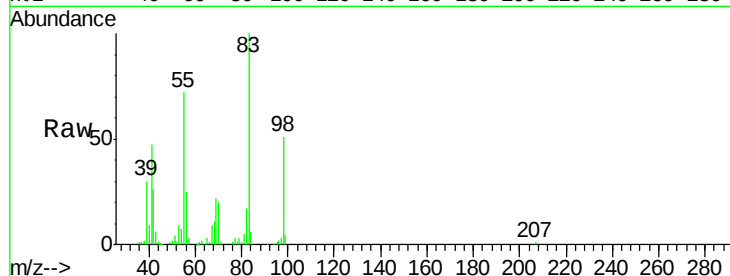
#39
Methylcyclohexane
Concen: 20.740 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.8	86.6
98	50.8	38.7	58.1

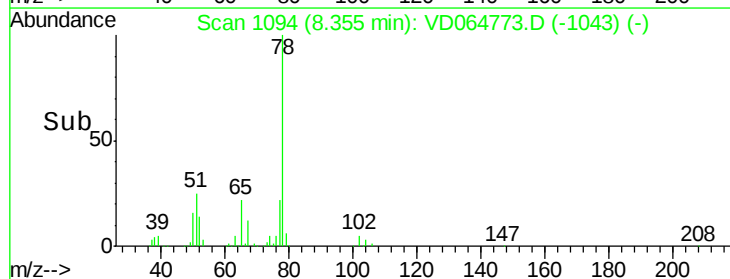
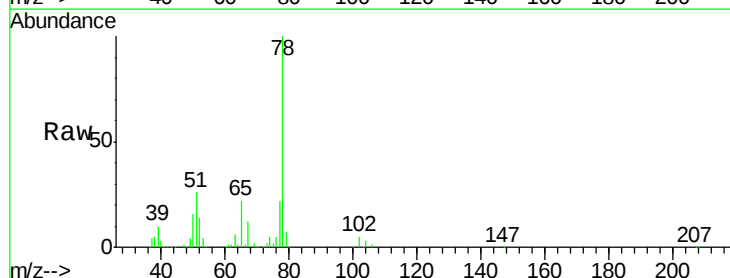
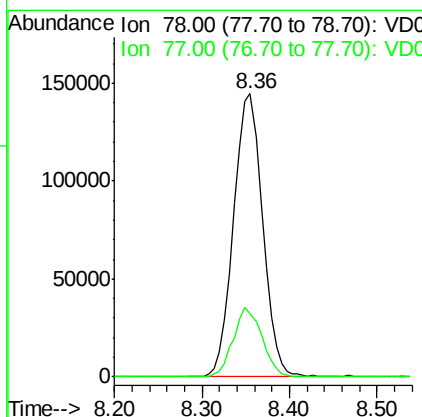
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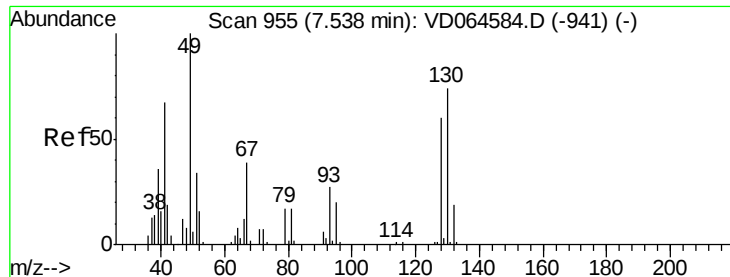
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#40
Benzene
Concen: 21.405 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.9	29.9





#41

Methacrylonitrile

Concen: 18.628 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 41 Resp: 23621
Ion Ratio Lower Upper

41 100

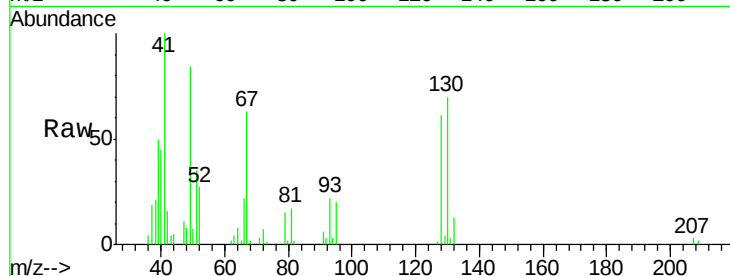
39 73.6 46.7 70.1#

67 83.2 52.5 78.7#

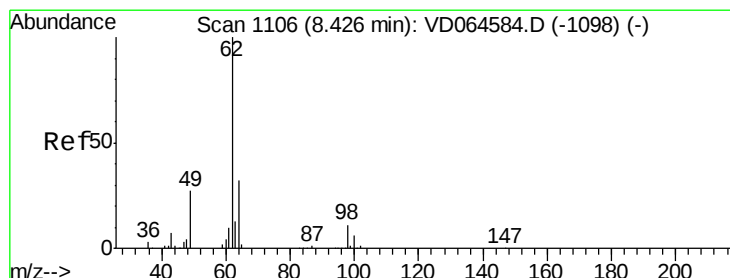
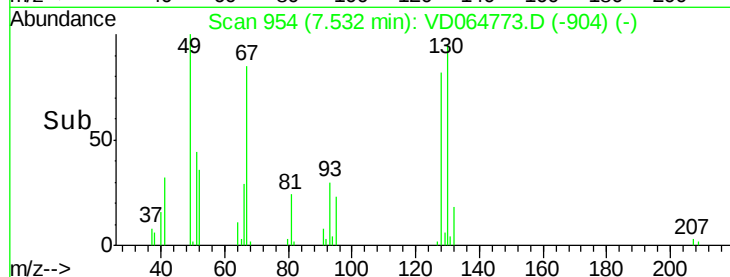
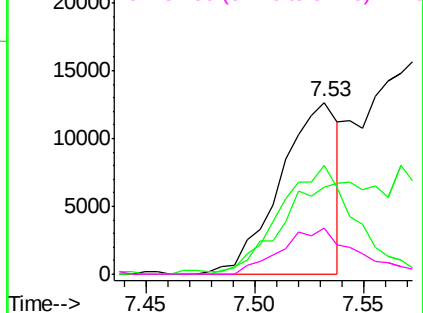
52 34.4 24.1 36.1

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.203 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

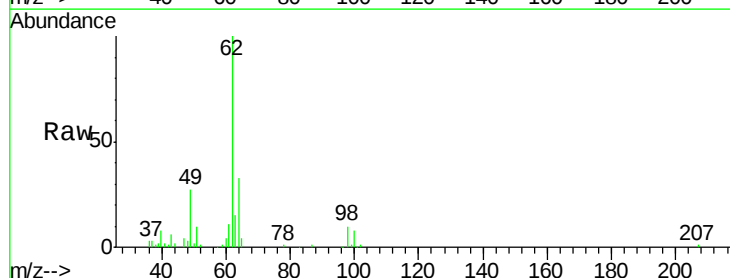
Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

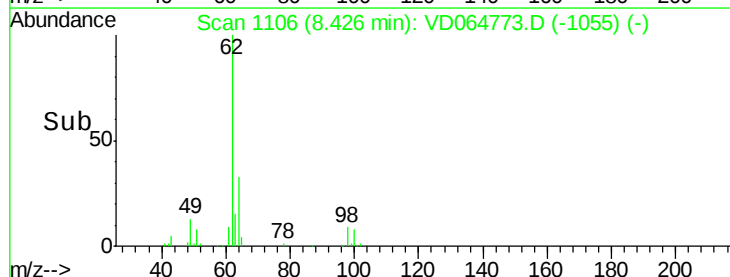
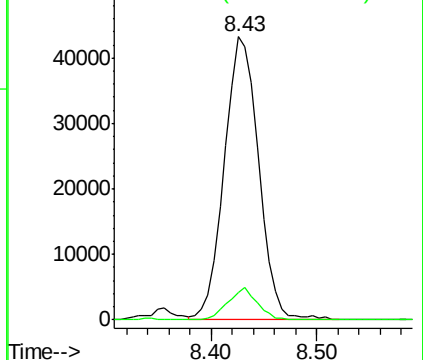
Tgt Ion: 62 Resp: 97441
Ion Ratio Lower Upper

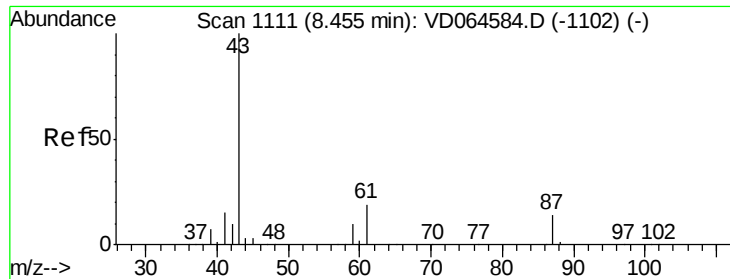
62 100

98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





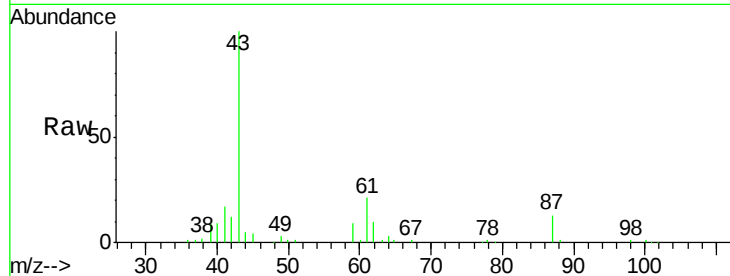
#43
Isopropyl Acetate
Concen: 21.761 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

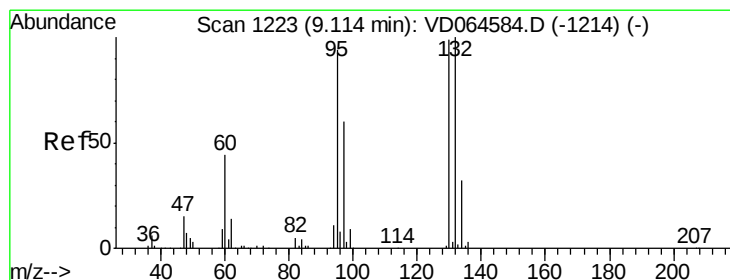
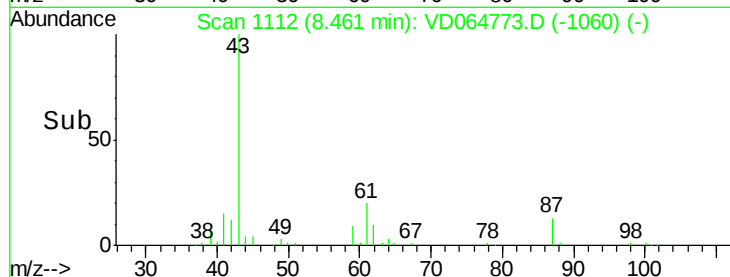
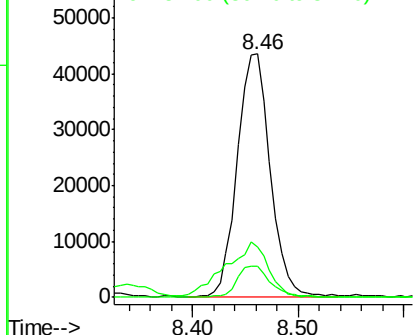
Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.7	35.5
87	12.9	10.5	15.7

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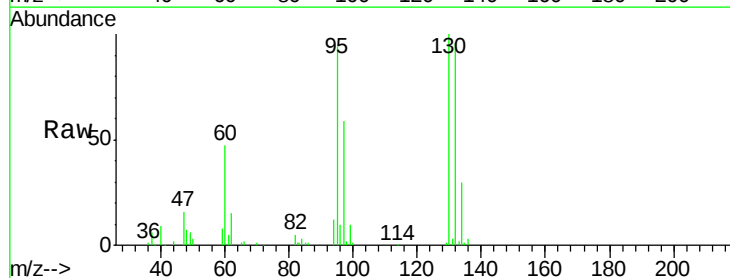


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

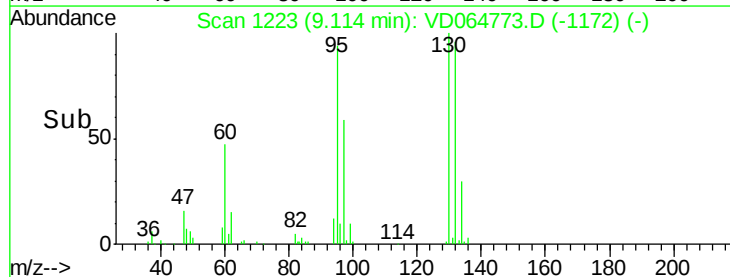
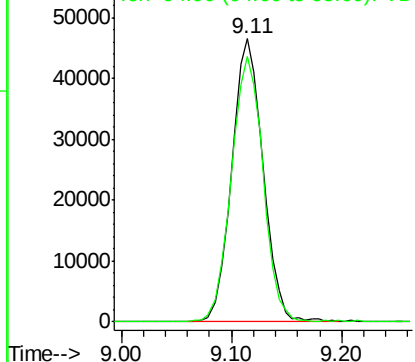


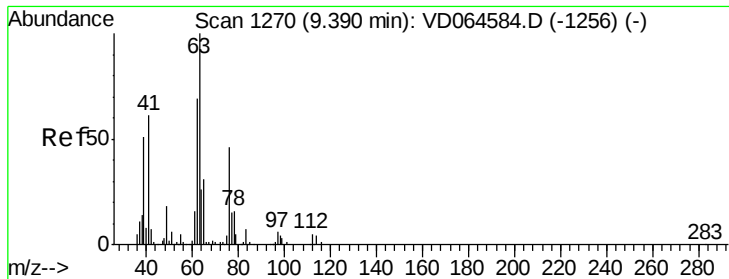
#44
Trichloroethene
Concen: 20.742 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





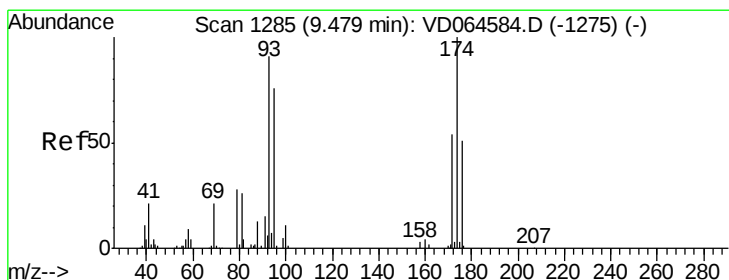
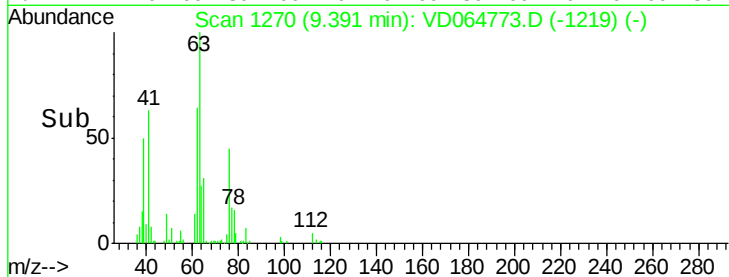
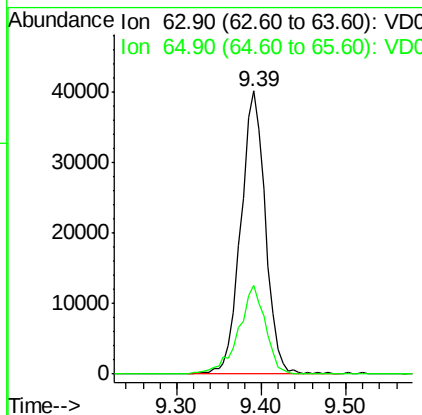
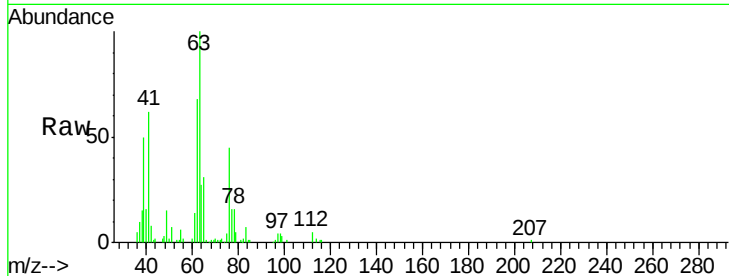
#45
 1,2-Dichloropropane
 Concen: 22.233 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion: 63 Resp: 80620
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.2 37.8

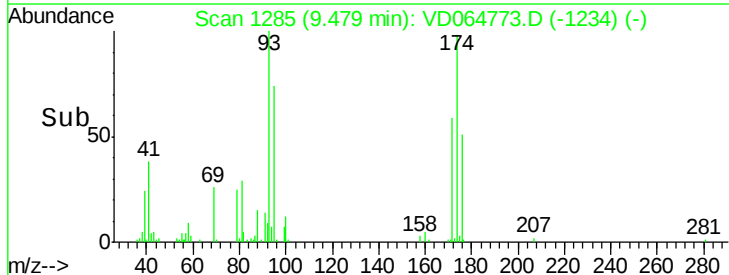
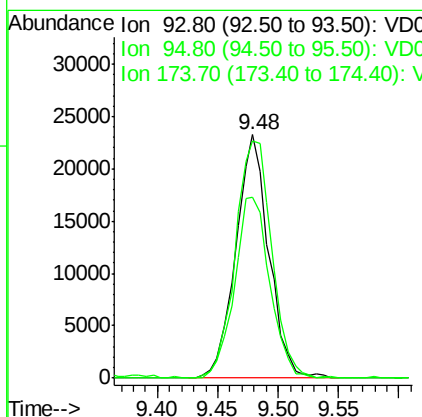
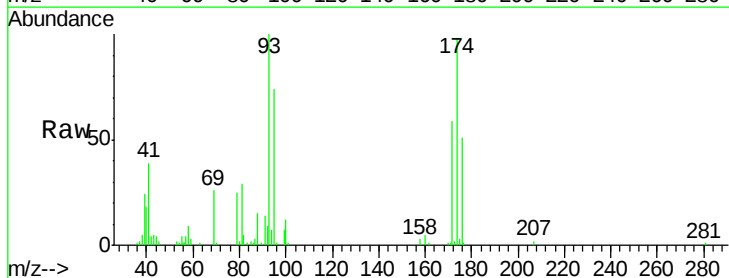
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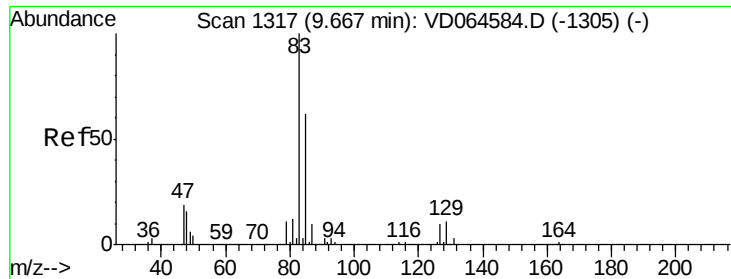
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#46
 Dibromomethane
 Concen: 21.882 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 93 Resp: 44238
 Ion Ratio Lower Upper
 93 100
 95 79.1 64.6 97.0
 174 107.6 88.1 132.1





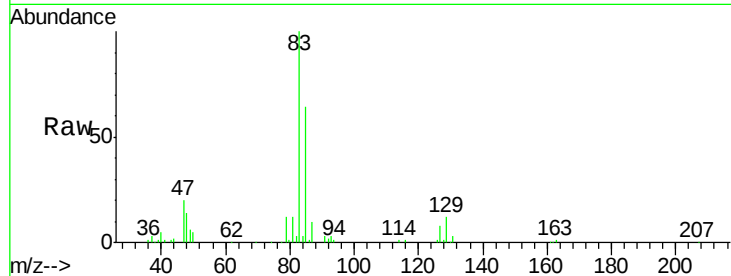
#47
Bromodichloromethane
Concen: 21.168 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBS01

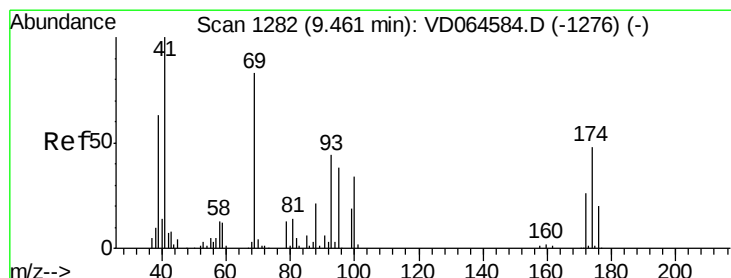
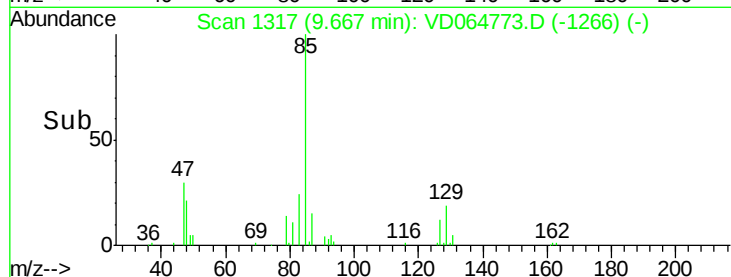
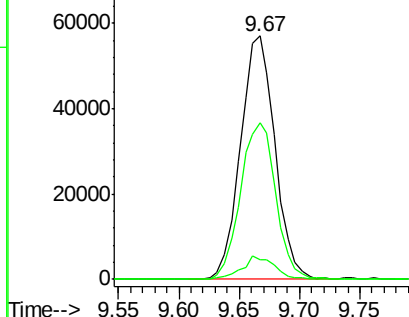
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	113875		
85	64.2	49.5	74.3	
127	7.8	7.8	11.6	

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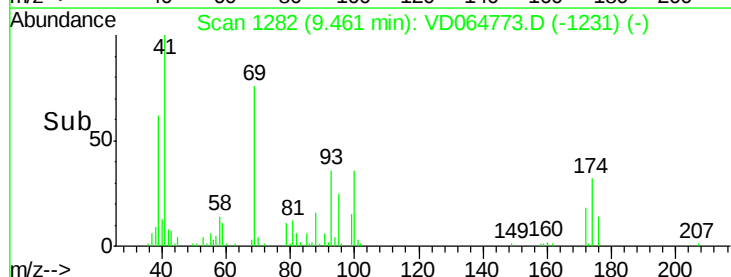
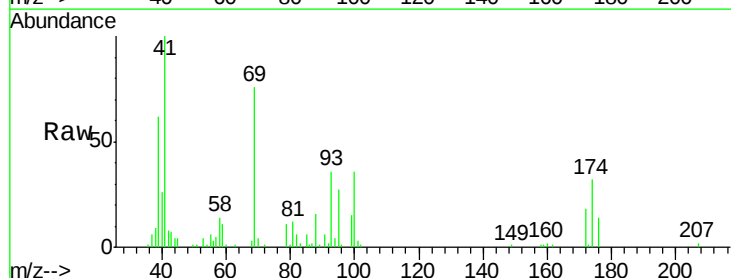
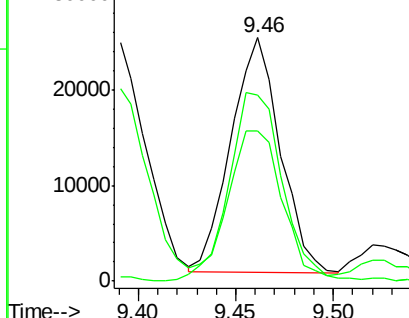
Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

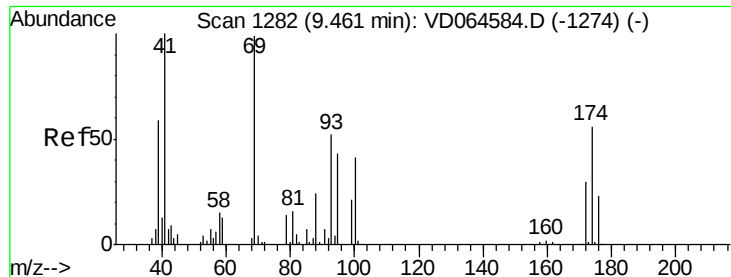


#48
Methyl methacrylate
Concen: 21.044 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	43104		
69	87.5	63.0	94.6	
39	65.1	47.4	71.2	

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





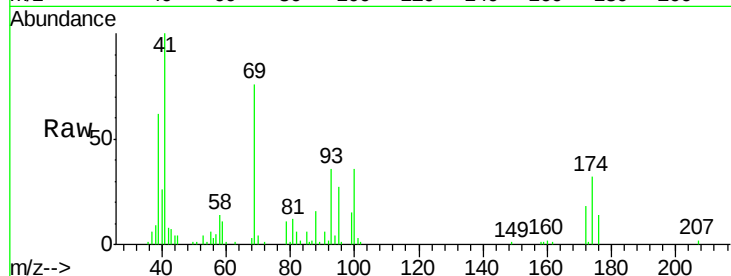
#49
1,4-Dioxane
Concen: 409.543 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBS01

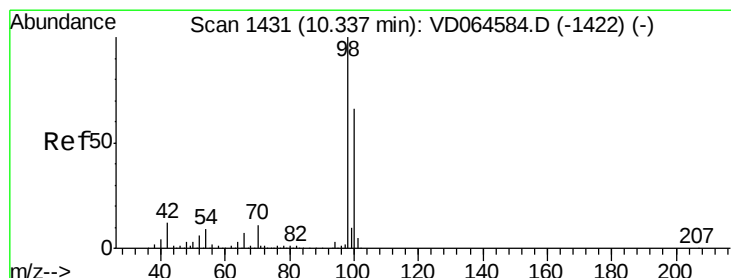
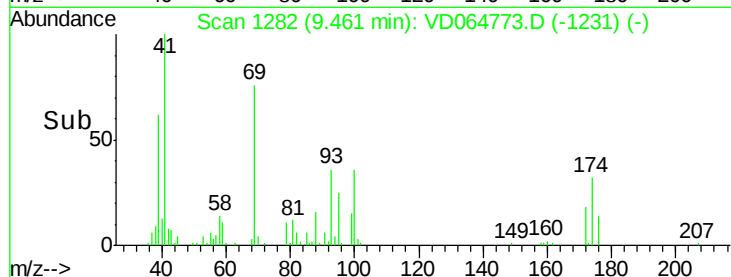
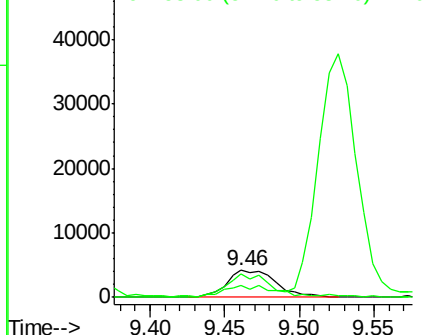
Tgt Ion: 88 Resp: 9547
Ion Ratio Lower Upper
88 100
43 43.9 27.7 41.5#
58 77.1 53.8 80.6

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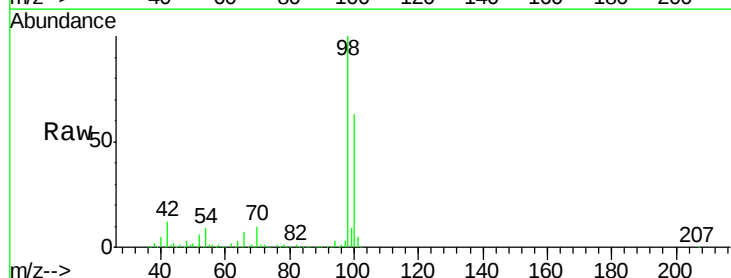


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

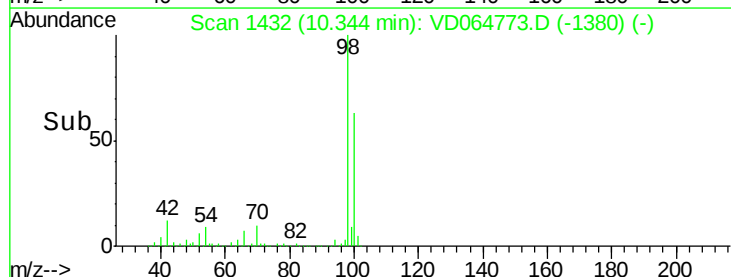
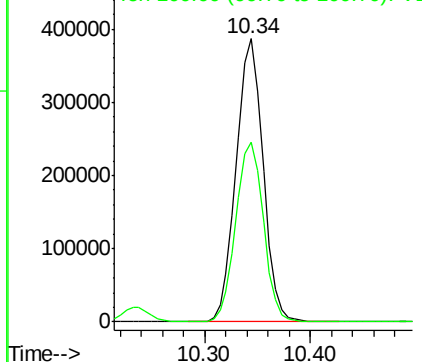


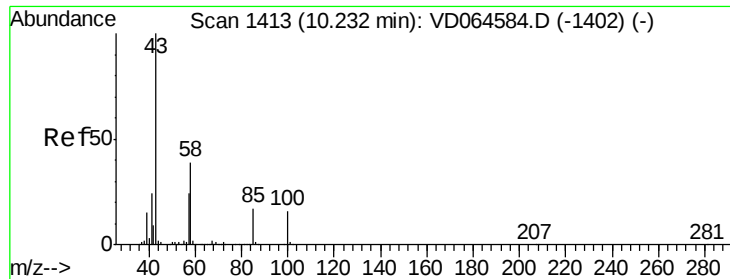
#50
Toluene-d8
Concen: 50.339 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 98 Resp: 683673
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





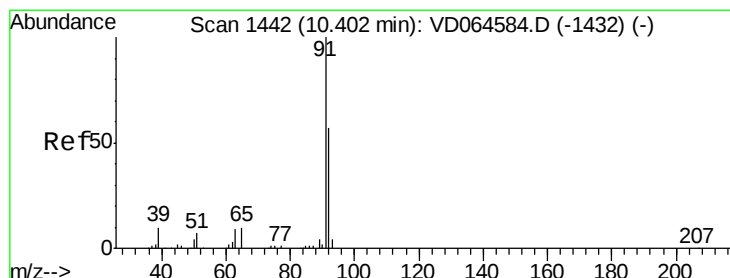
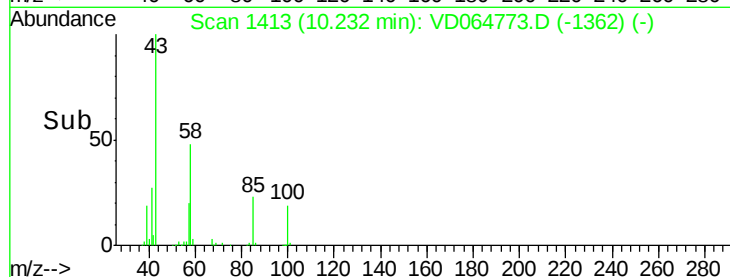
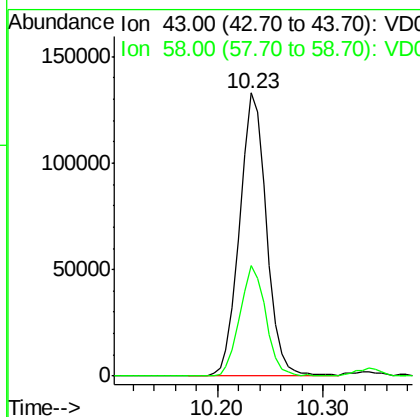
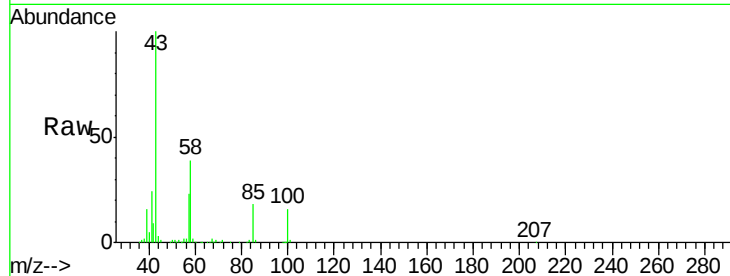
#51
 4-Methyl-2-Pentanone
 Concen: 109.373 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBS01

Tgt Ion: 43 Resp: 235171
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.2

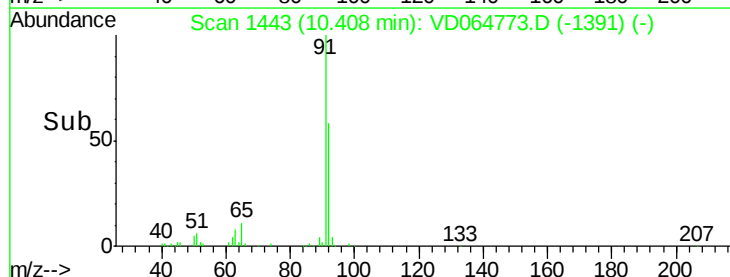
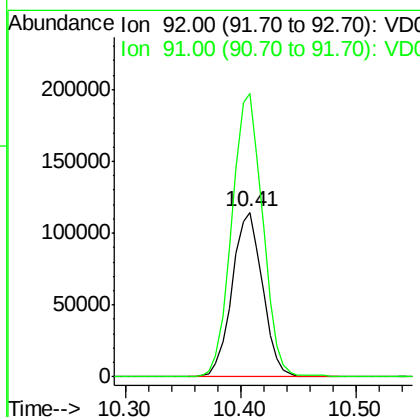
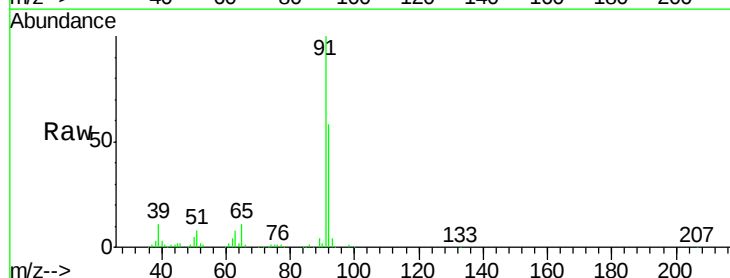
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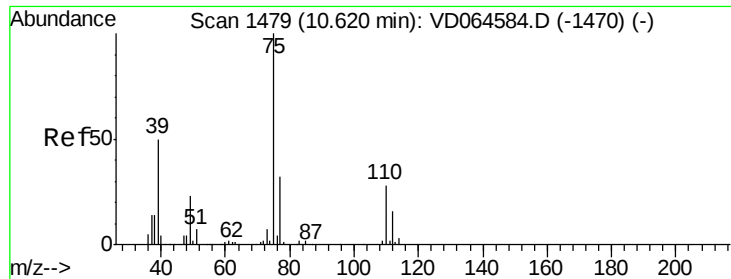
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#52
 Toluene
 Concen: 21.003 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 92 Resp: 209272
 Ion Ratio Lower Upper
 92 100
 91 175.0 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.792 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 75 Resp: 109299

Ion Ratio Lower Upper

75 100

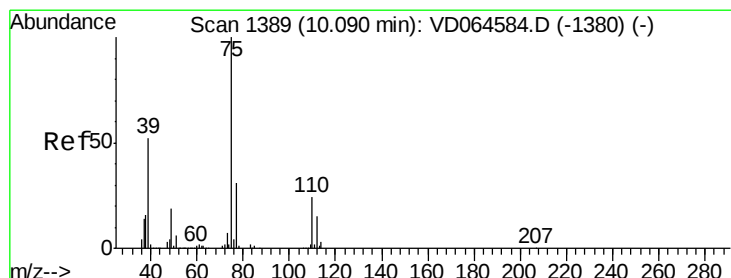
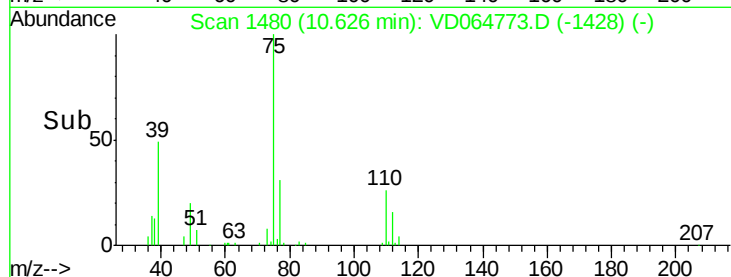
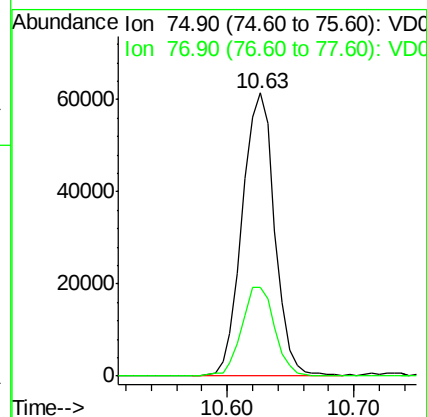
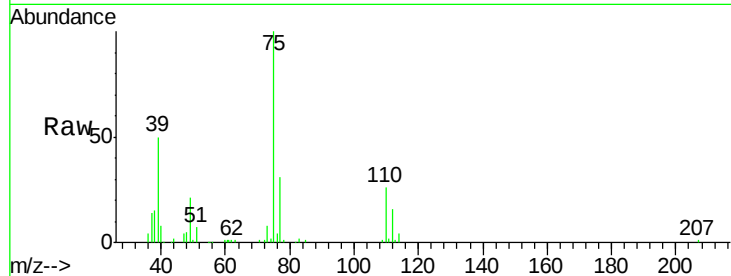
77 31.4 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 21.544 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

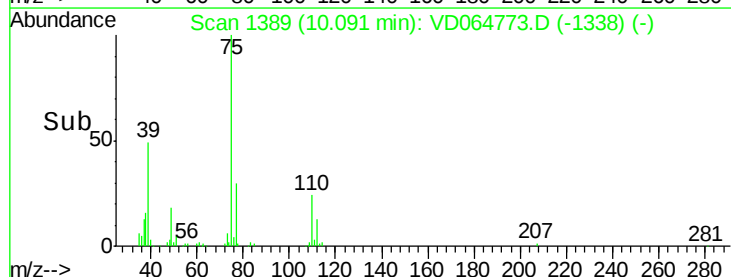
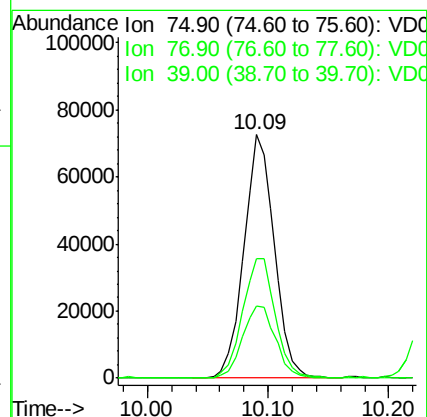
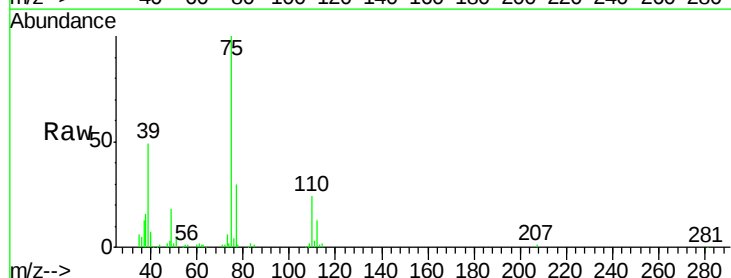
Tgt Ion: 75 Resp: 127411

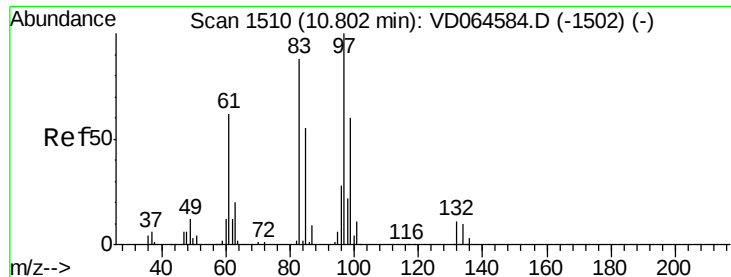
Ion Ratio Lower Upper

75 100

77 29.8 24.6 36.8

39 48.9 41.4 62.2





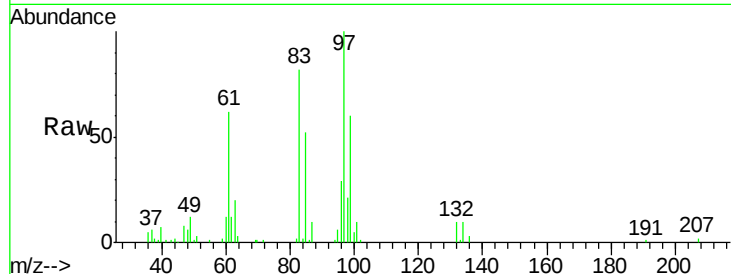
#55
 1,1,2-Trichloroethane
 Concen: 22.005 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion:	97	Resp:	59955
Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.2	105.4
85	52.3	44.0	66.0
99	59.9	47.8	71.6

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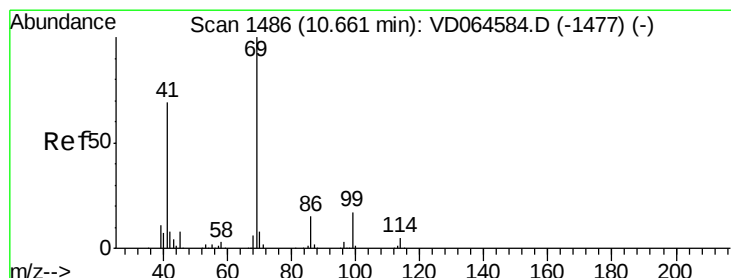
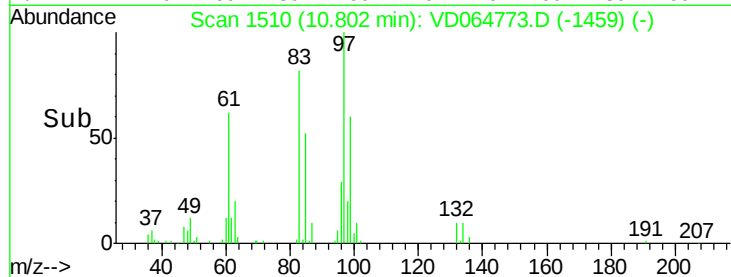
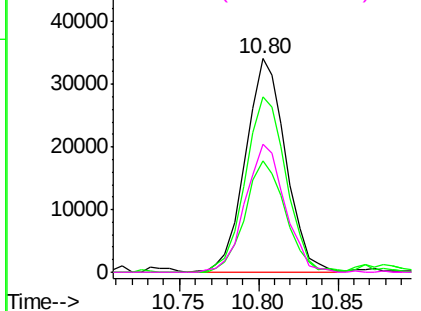
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

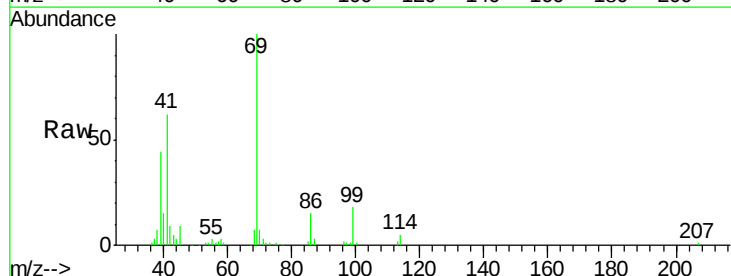
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 21.061 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion:	69	Resp:	71662
Ion	Ratio	Lower	Upper
69	100		
41	67.9	55.3	82.9
39	40.4	33.8	50.8

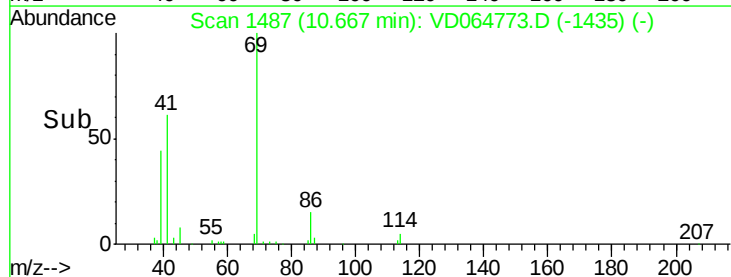
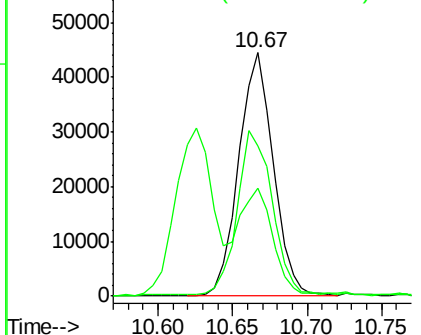


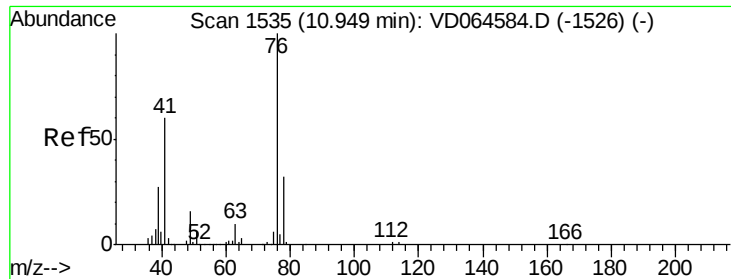
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





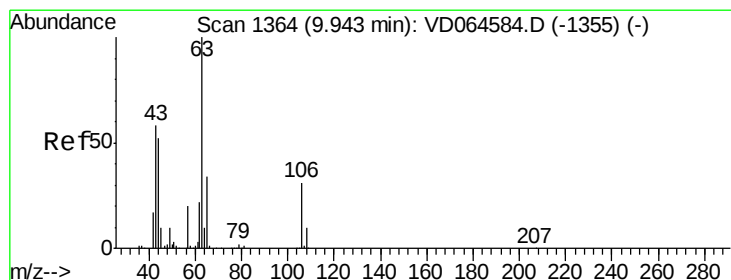
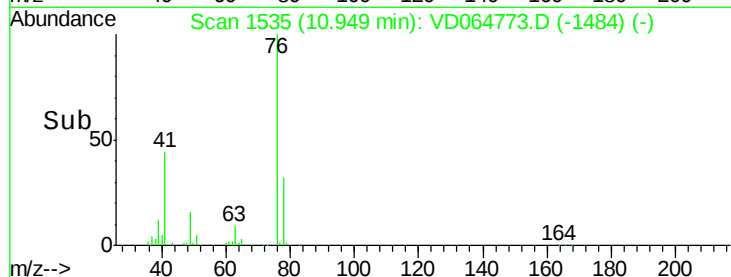
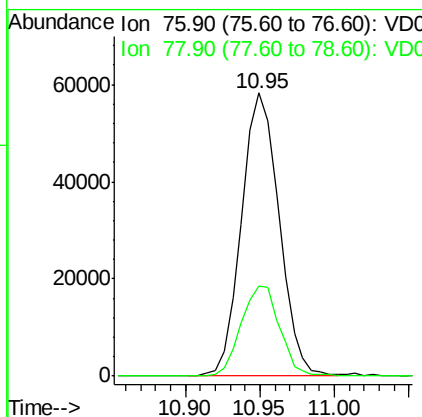
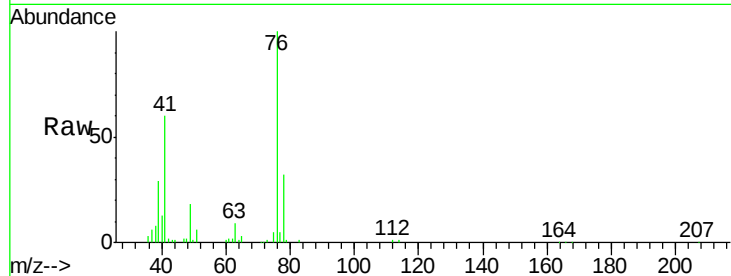
#57
 1,3-Dichloropropane
 Concen: 21.746 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion: 76 Resp: 102014
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

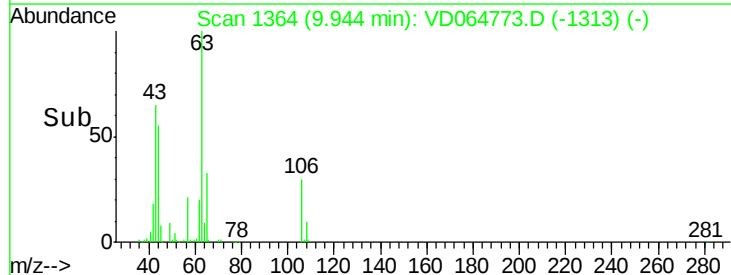
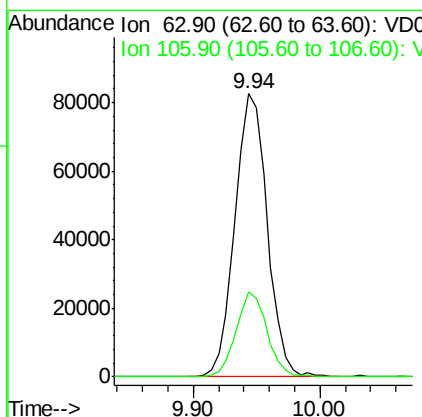
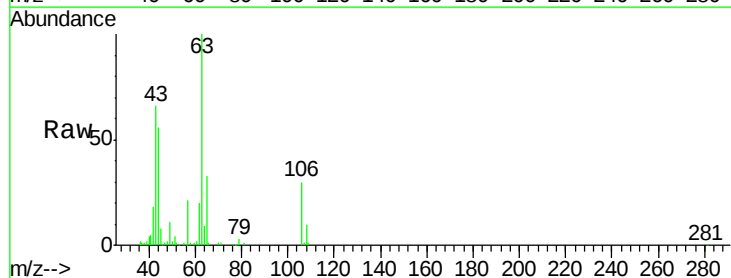
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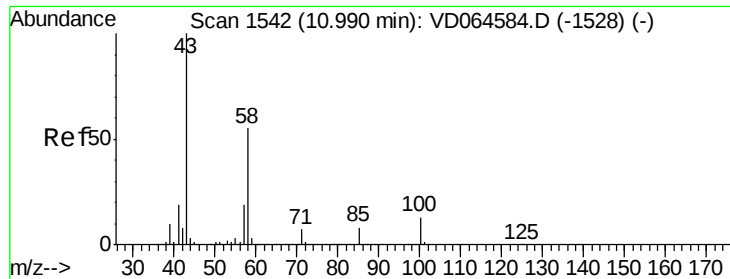
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.542 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 63 Resp: 145896
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.8 35.8





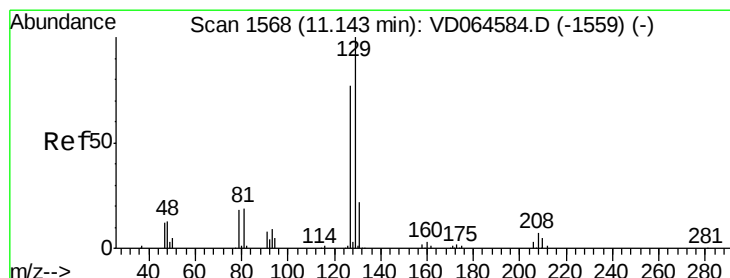
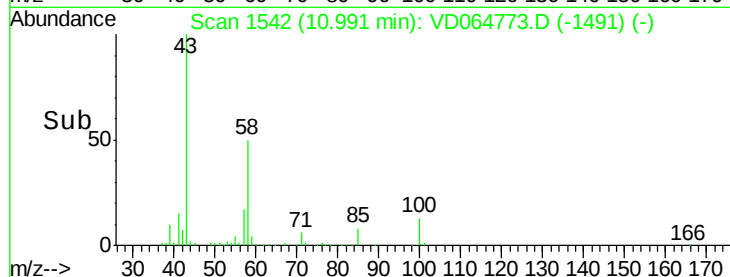
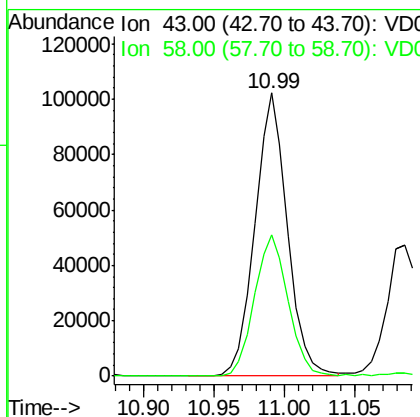
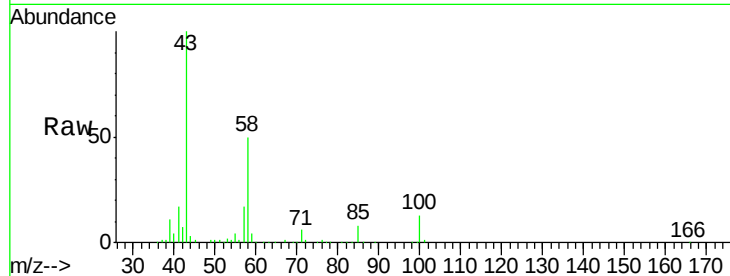
#59
2-Hexanone
Concen: 113.040 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion: 43 Resp: 164966
Ion Ratio Lower Upper
43 100
58 51.9 26.4 79.0

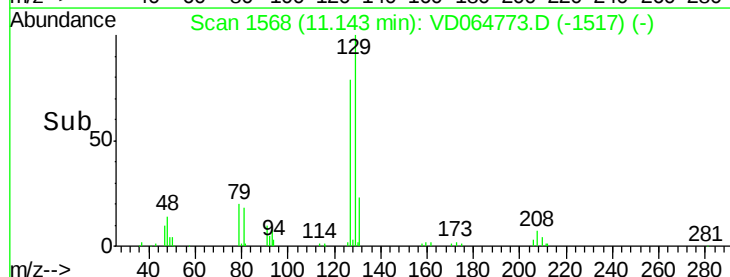
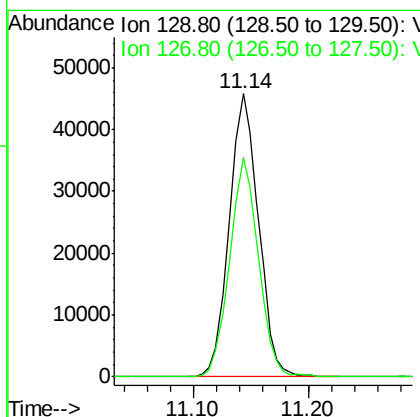
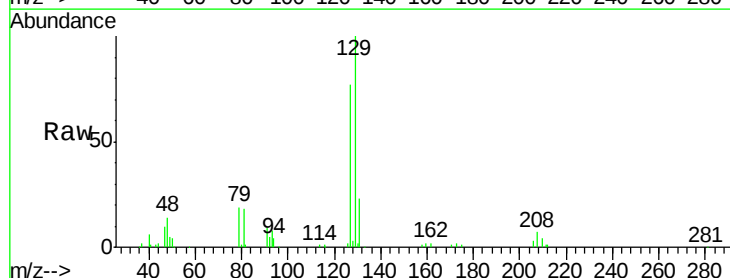
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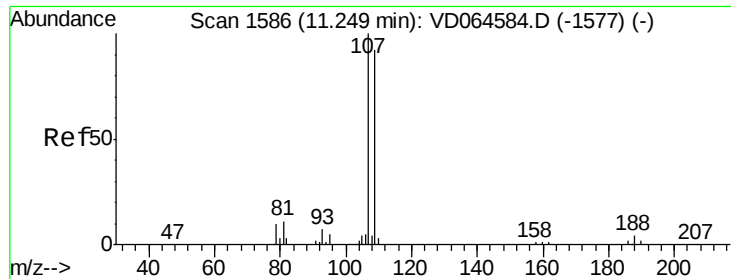
apatel
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#60
Dibromochloromethane
Concen: 21.315 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 129 Resp: 80307
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.2





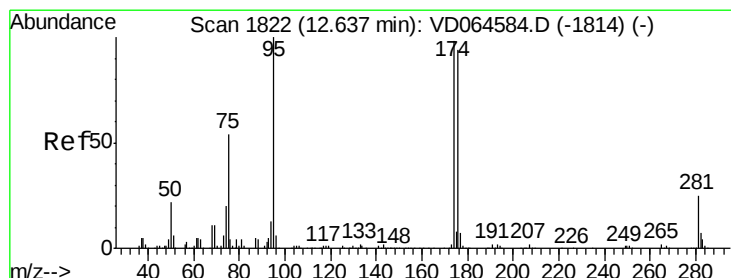
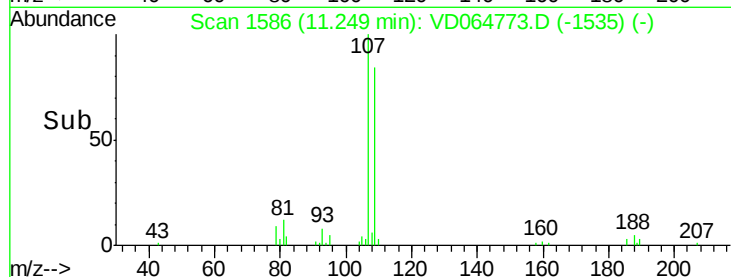
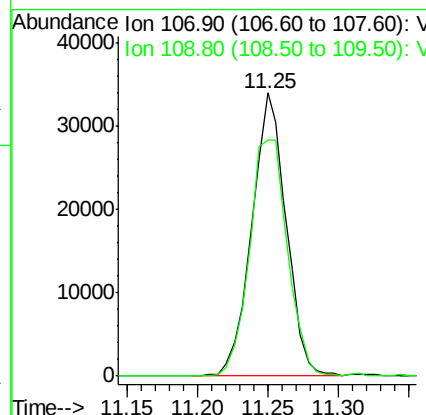
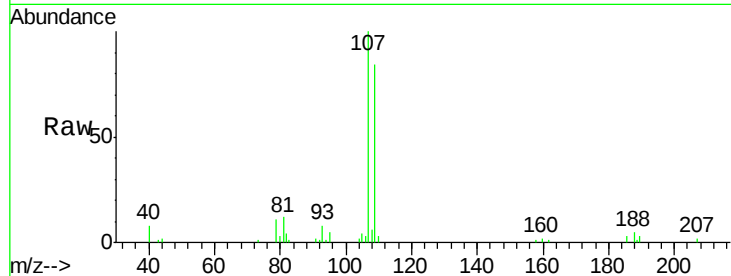
#61
 1,2-Dibromoethane
 Concen: 21.504 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion: 107 Resp: 57786
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.6 113.4

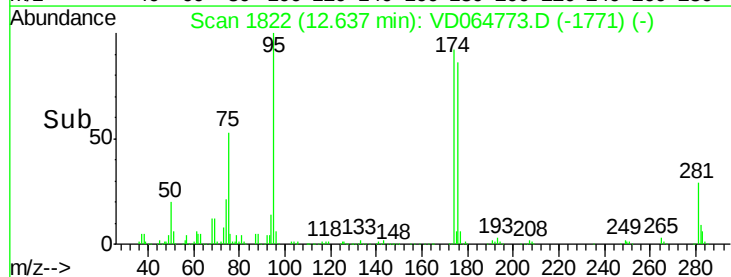
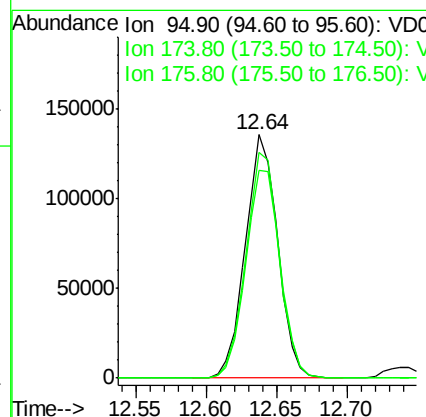
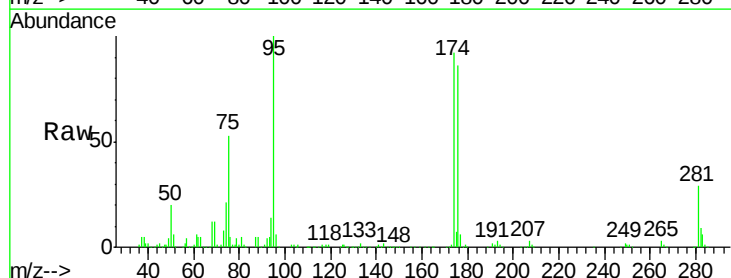
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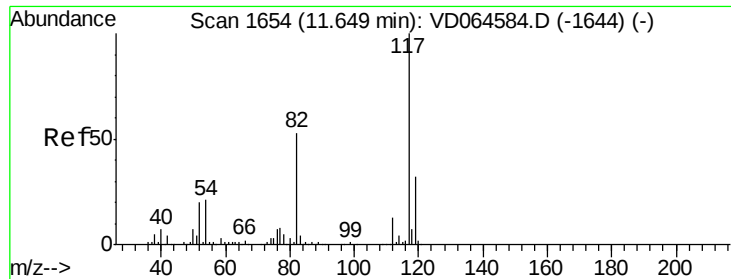
apatel
 1/7/2020 10:24:06 AM



#62
 4-Bromofluorobenzene
 Concen: 50.698 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion: 95 Resp: 217724
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 193.2
 176 90.8 0.0 184.2





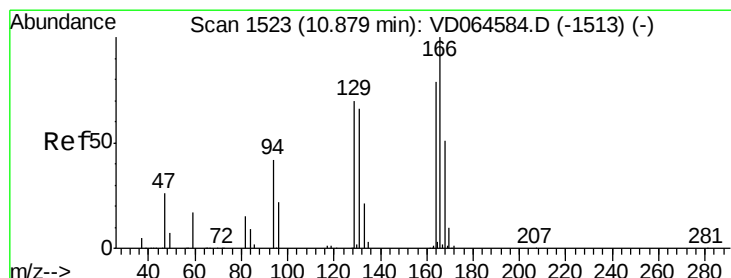
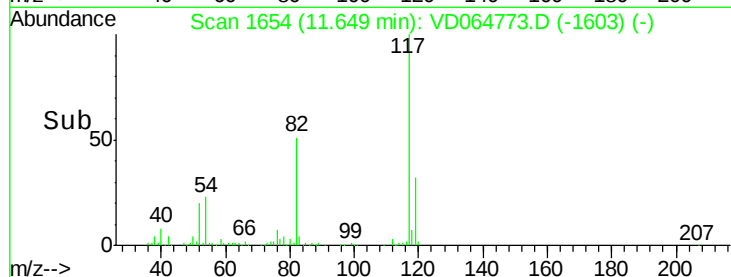
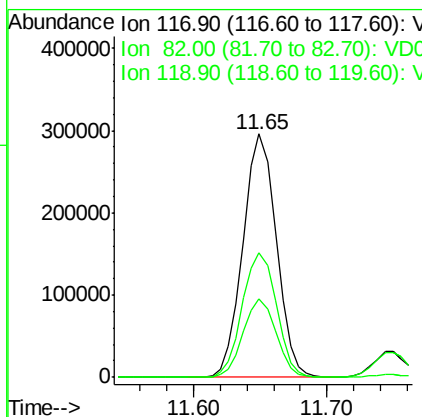
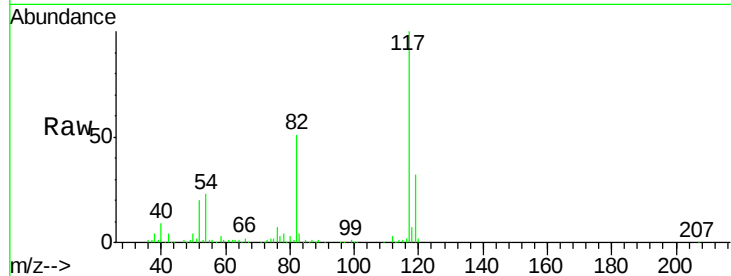
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBS001

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	513634		
82	51.2	42.2	63.4	
119	32.1	26.0	39.0	

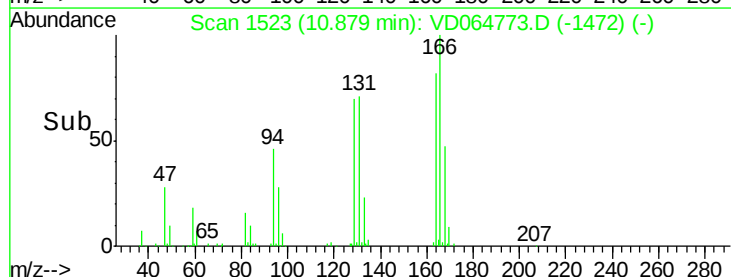
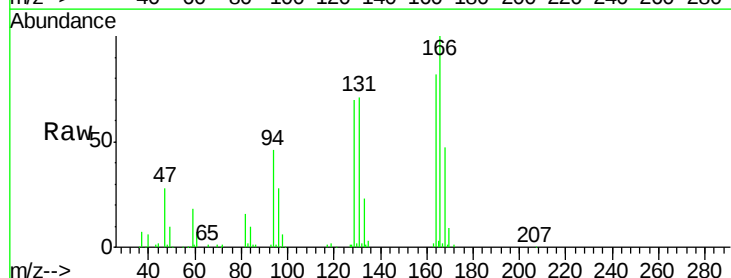
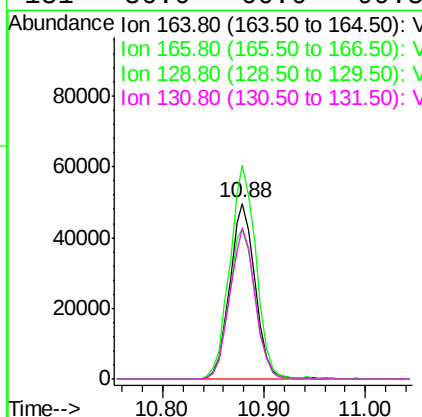
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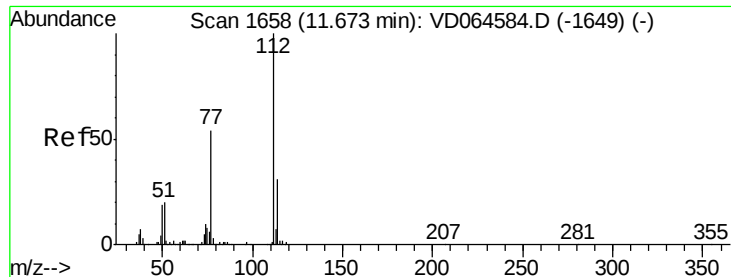
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#64
Tetrachloroethene
Concen: 21.725 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85607		
166	121.8	101.3	151.9	
129	85.3	70.5	105.7	
131	86.0	66.6	99.8	





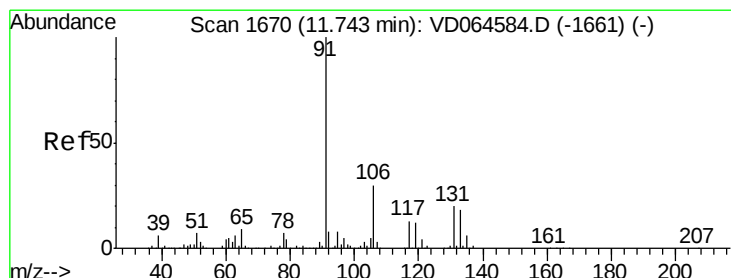
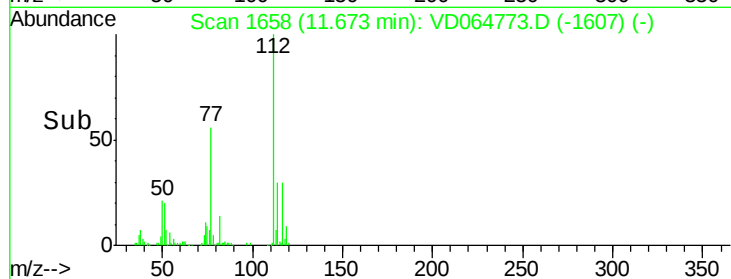
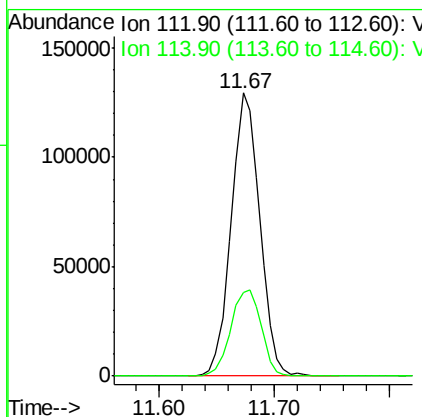
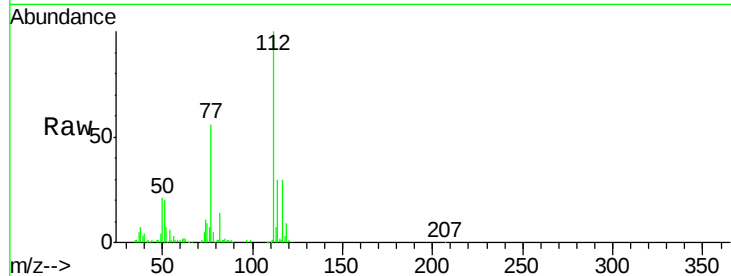
#65
Chlorobenzene
Concen: 20.862 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	222392		
114	29.5	24.8	37.2	

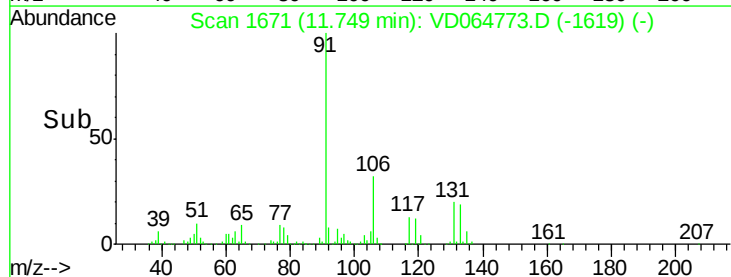
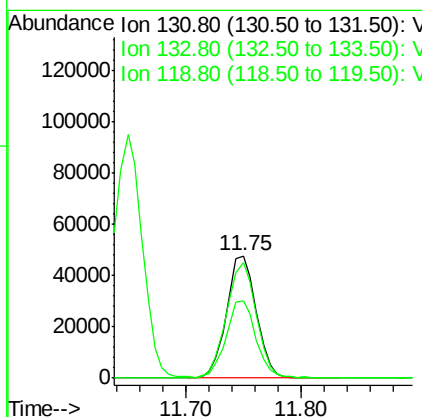
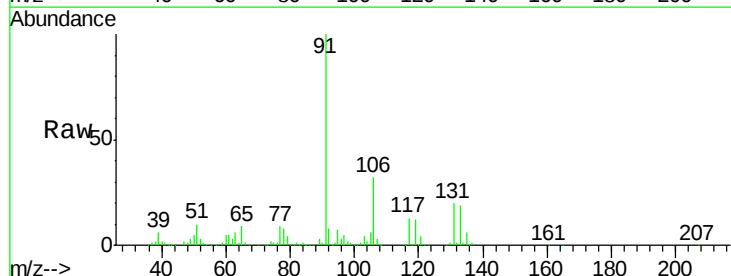
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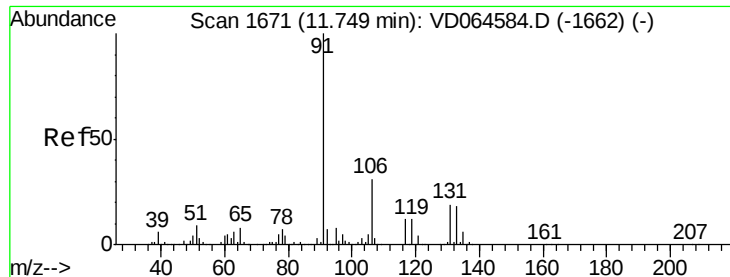
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.151 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85001		
133	95.0	48.3	144.8	
119	63.7	32.1	96.3	





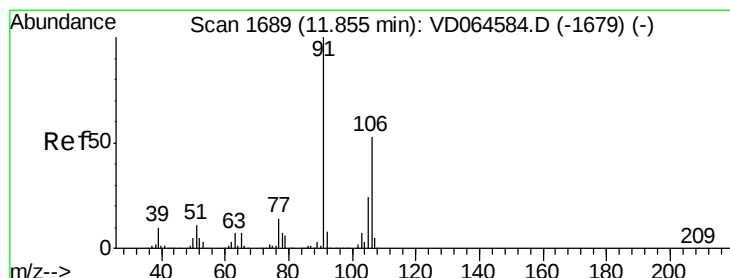
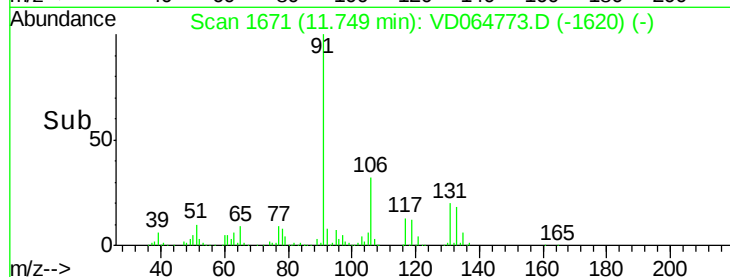
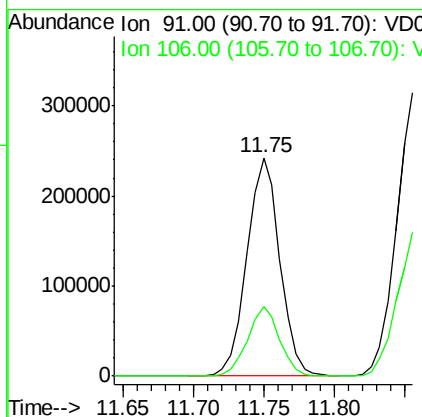
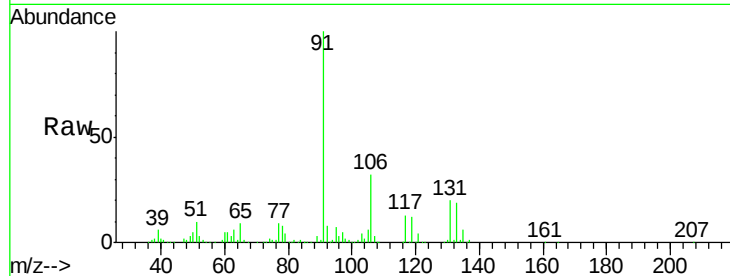
#67
Ethyl Benzene
Concen: 20.493 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion: 91 Resp: 396526
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8

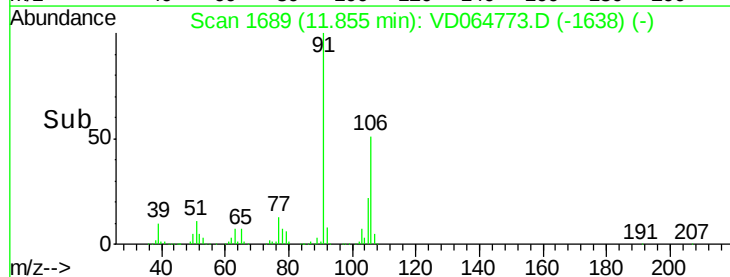
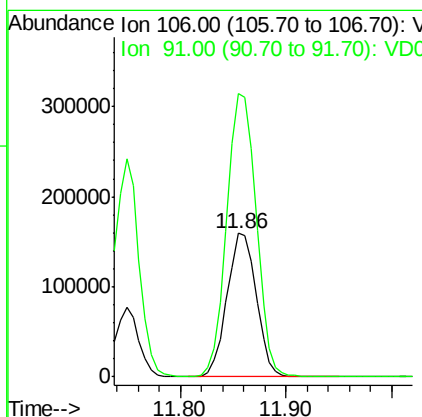
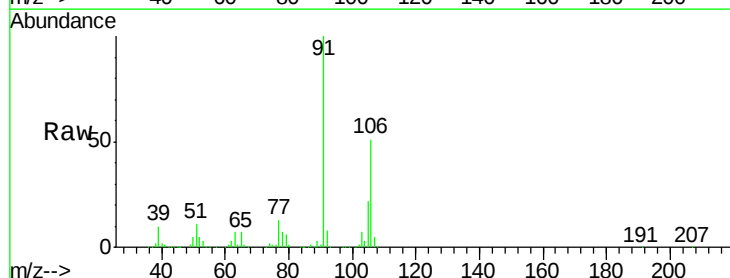
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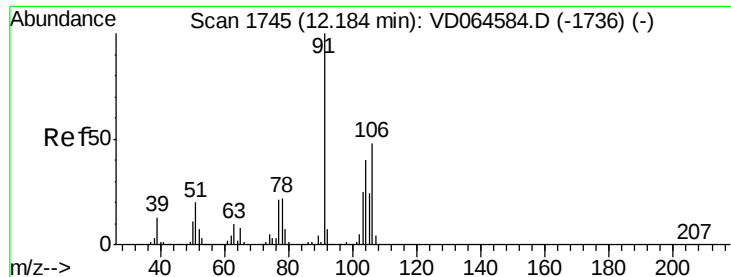
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#68
m/p-Xylenes
Concen: 41.029 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion: 106 Resp: 306425
Ion Ratio Lower Upper
106 100
91 198.5 156.3 234.5





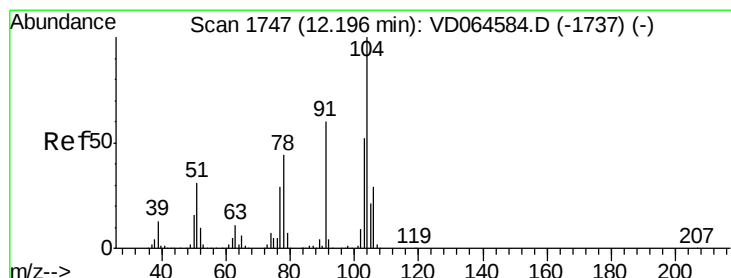
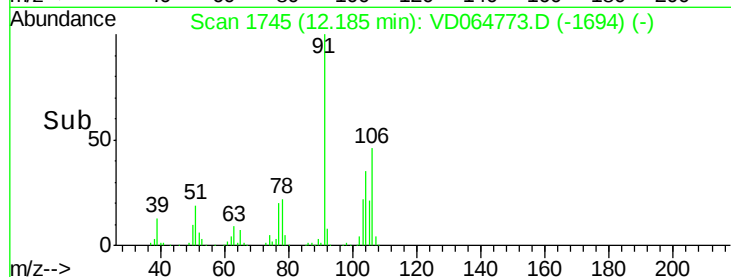
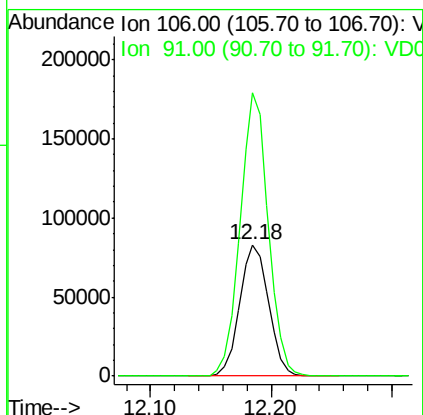
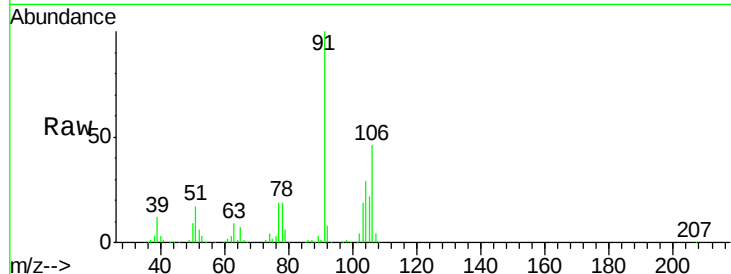
#69
o-Xylene
Concen: 20.609 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion:106 Resp: 139024
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4

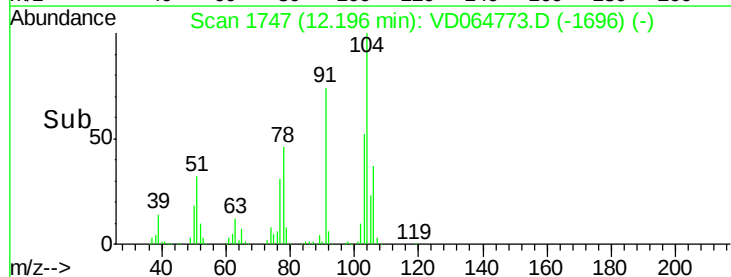
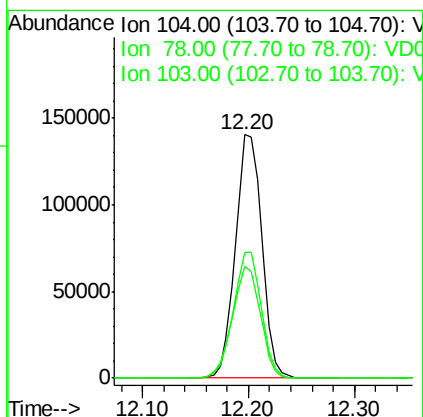
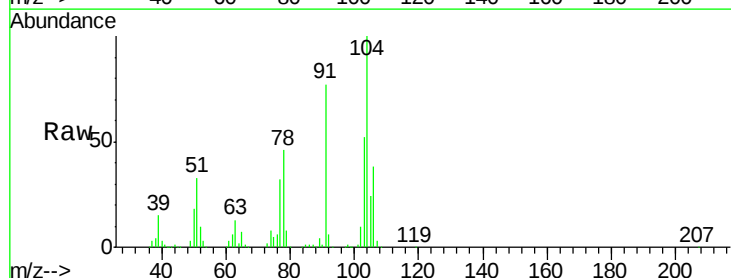
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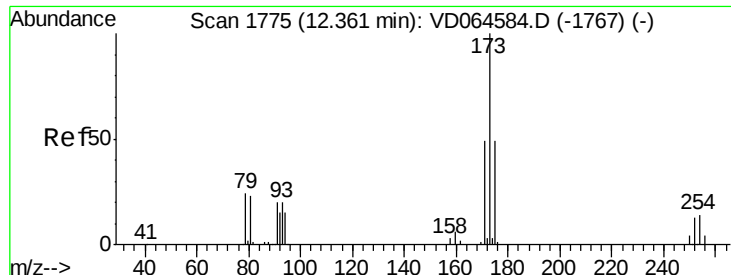
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#70
Styrene
Concen: 20.469 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion:104 Resp: 242371
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 54.6 44.6 67.0





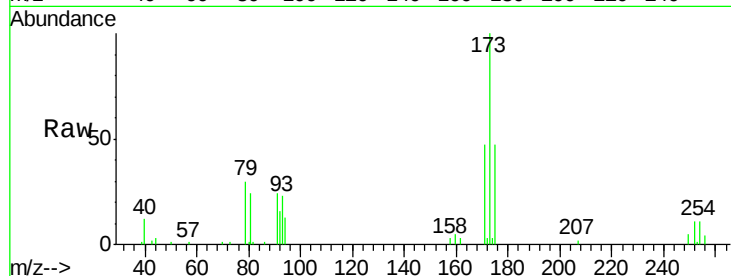
#71
Bromoform
Concen: 21.516 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

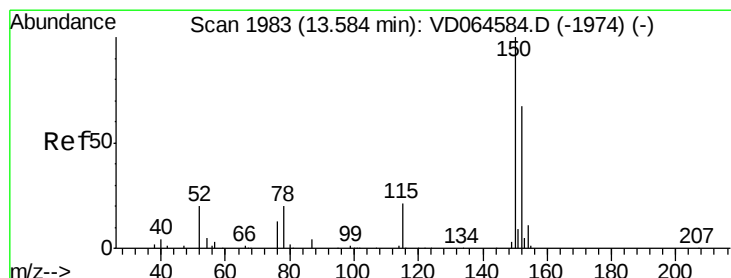
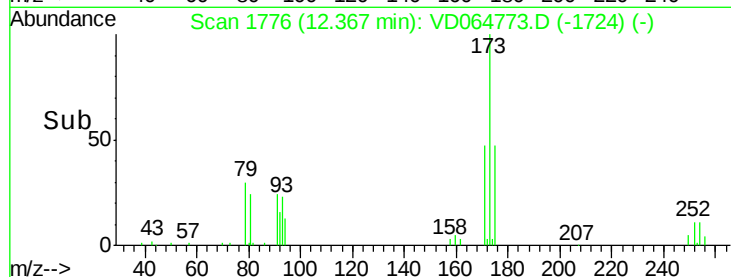
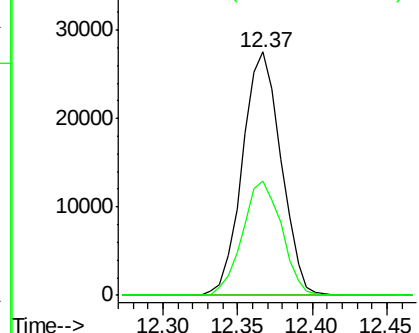
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.8
254	0.0	0.1	0.1#

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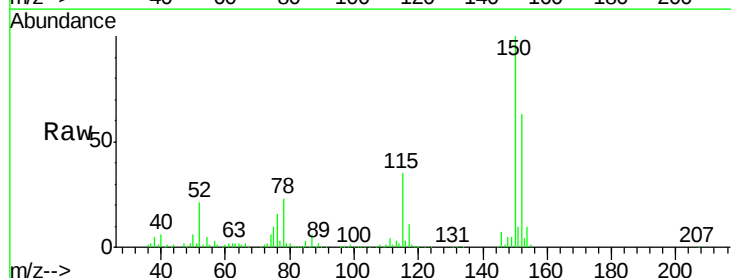


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

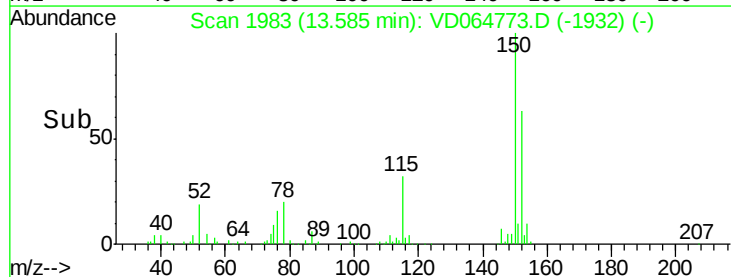
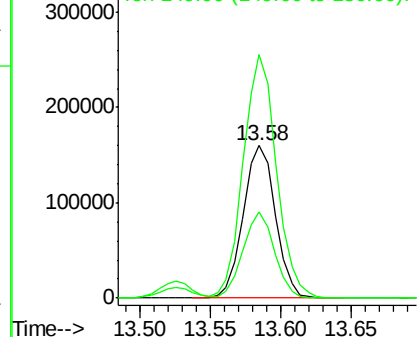


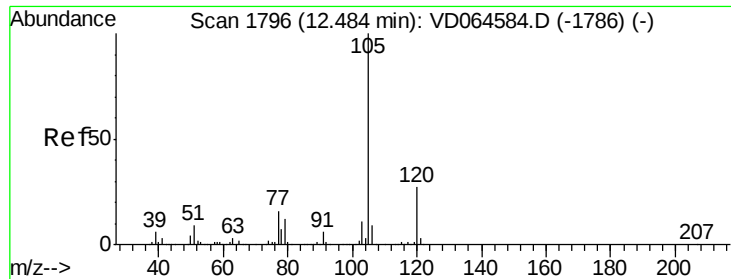
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.4
150	164.3	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: 20.967 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion: 105 Resp: 383459

Ion Ratio Lower Upper

105 100

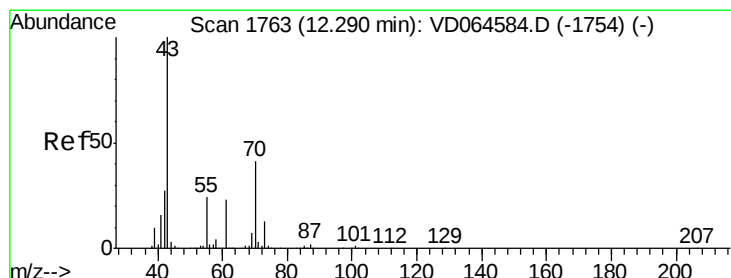
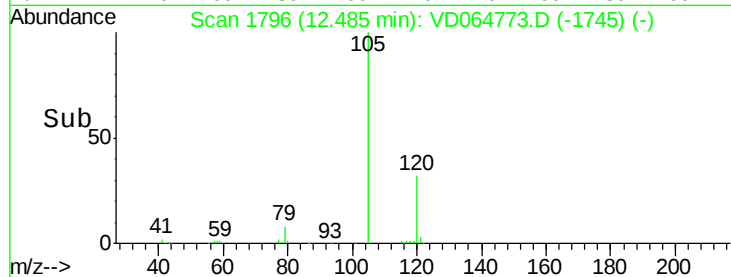
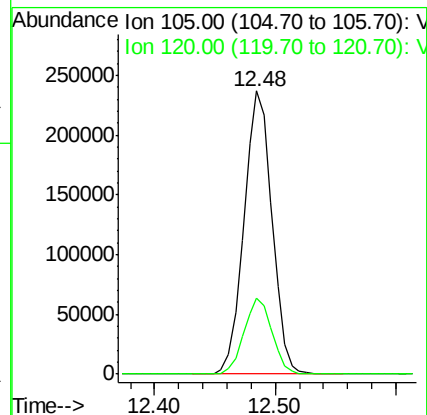
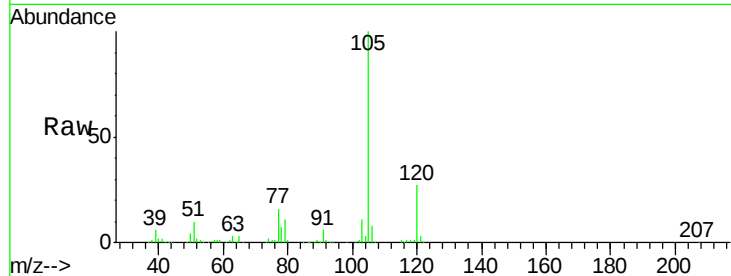
120 27.0 13.5 40.5

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#74

N-ethyl acetate

Concen: 20.978 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion: 43 Resp: 82013

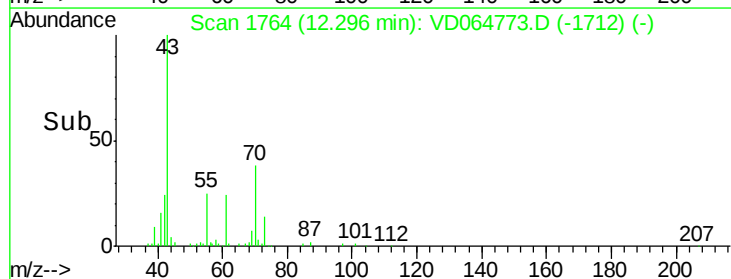
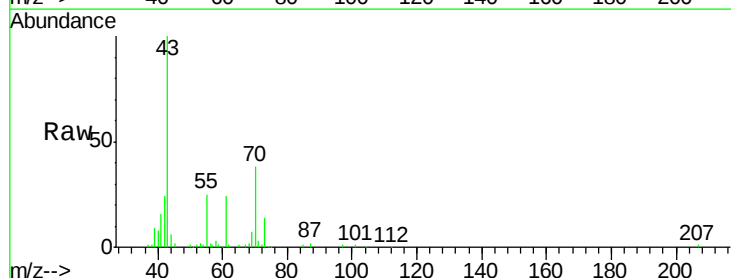
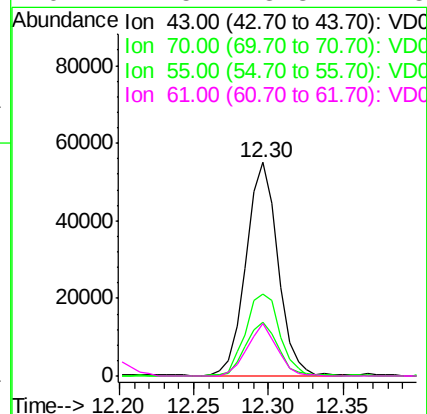
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.0

55 25.7 19.4 29.0

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.551 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

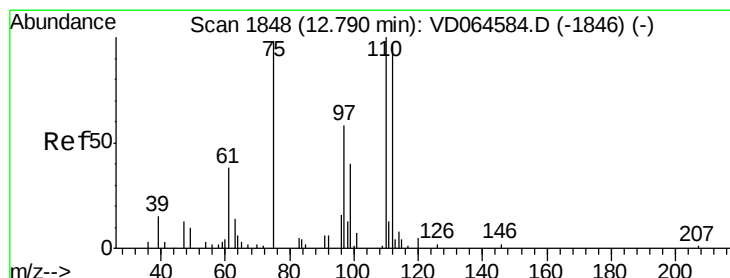
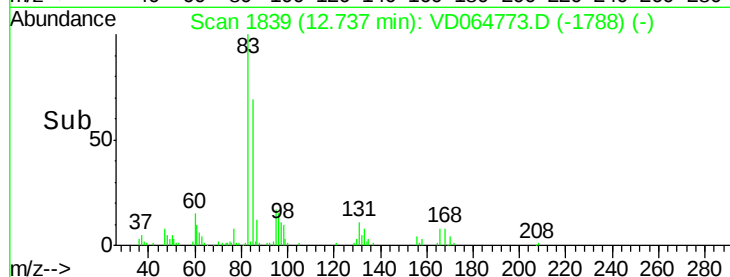
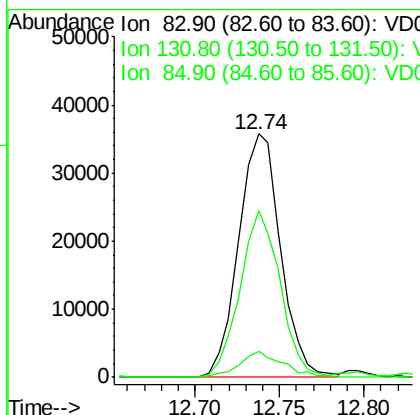
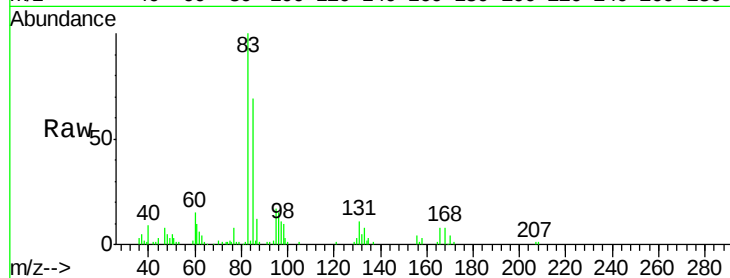
ClientSampleId :

VD0106SBS01

Tgt Ion:	83	Resp:	61916
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	65.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 21.008 ug/l m

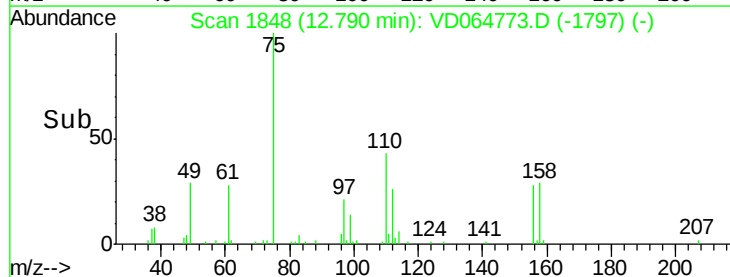
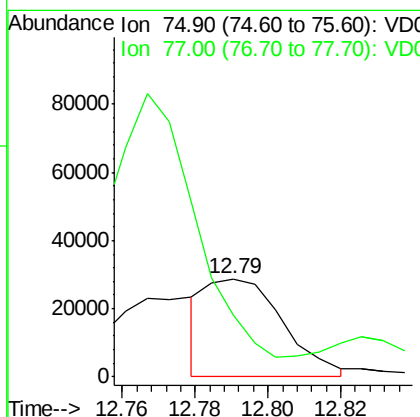
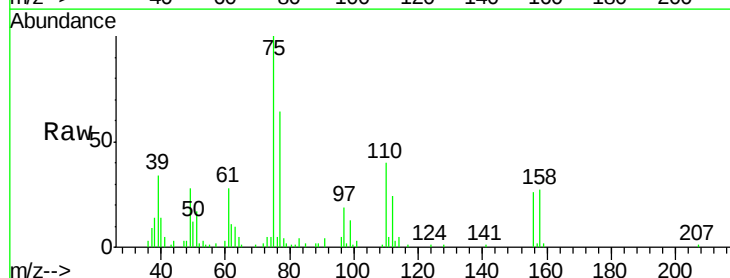
RT: 12.79 min Scan# 1848

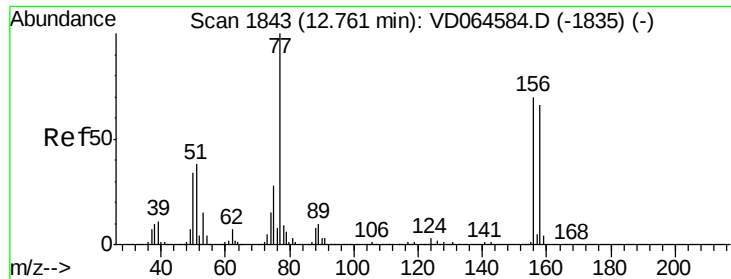
Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion:	75	Resp:	42455
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.855 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

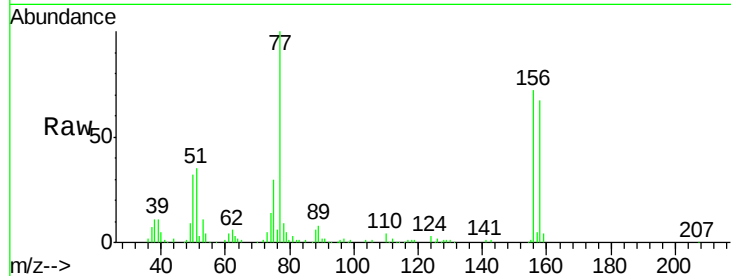
ClientSampleId :

VD0106SBSD01

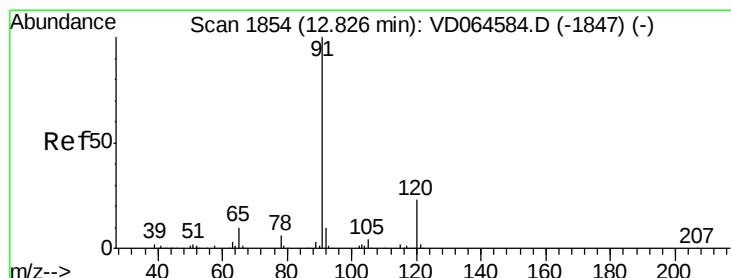
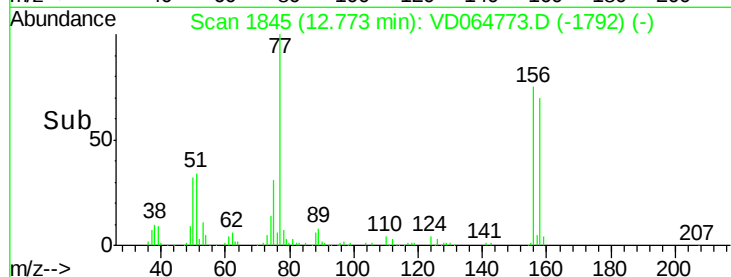
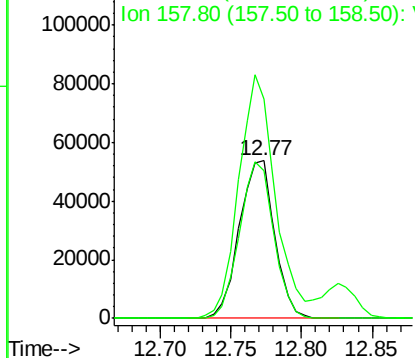
Tgt Ion: 156 Resp: 93720
 Ion Ratio Lower Upper
 156 100
 77 161.4 80.9 242.7
 158 96.7 48.0 144.2

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Abundance Ion 155.80 (155.50 to 156.50): V
 Ion 77.00 (76.70 to 77.70): VDC
 Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.070 ug/l

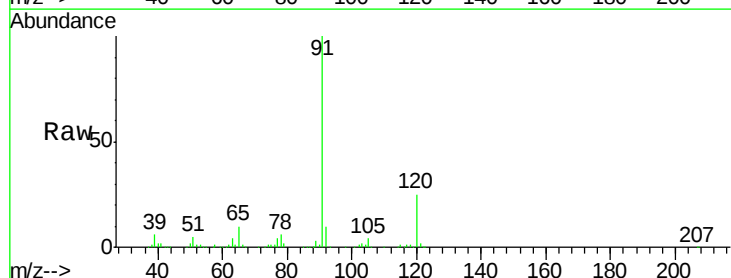
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

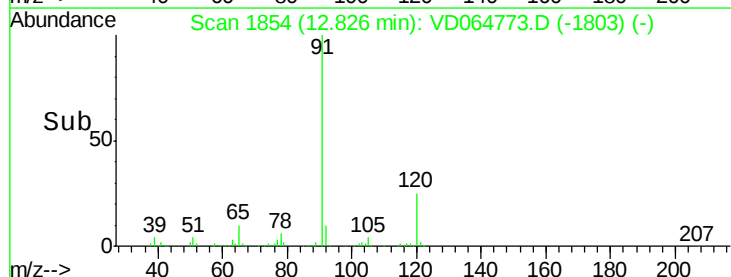
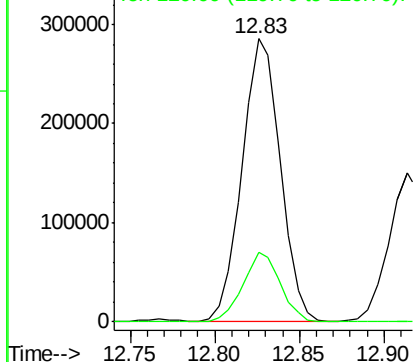
Lab File: VD064773.D

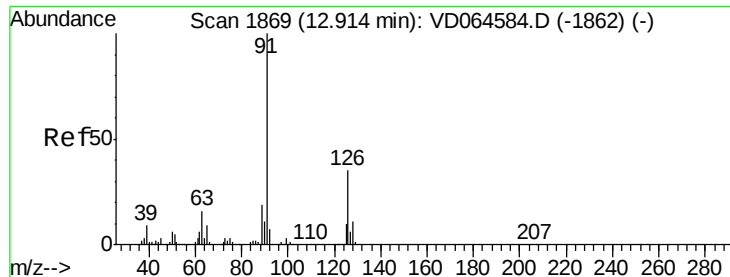
Acq: 06 Jan 2020 15:16

Tgt Ion: 91 Resp: 449556
 Ion Ratio Lower Upper
 91 100
 120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.334 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBSD01

Tgt Ion: 91 Resp: 250051

Ion Ratio Lower Upper

91 100

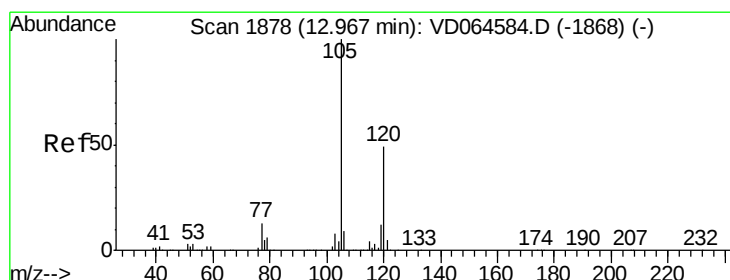
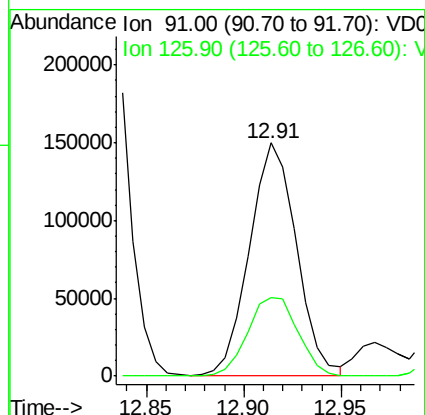
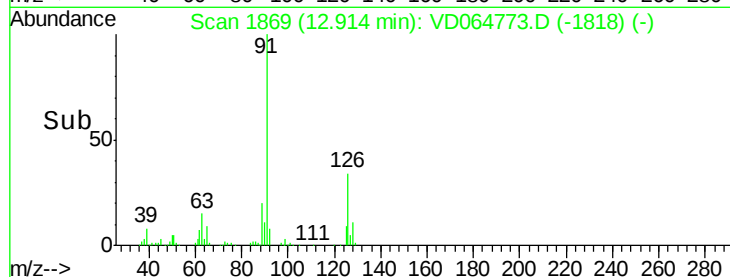
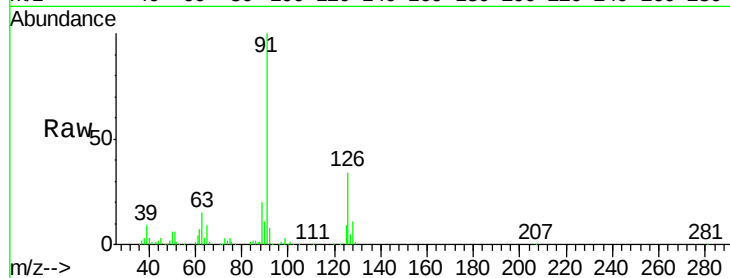
126 36.2 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.101 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064773.D

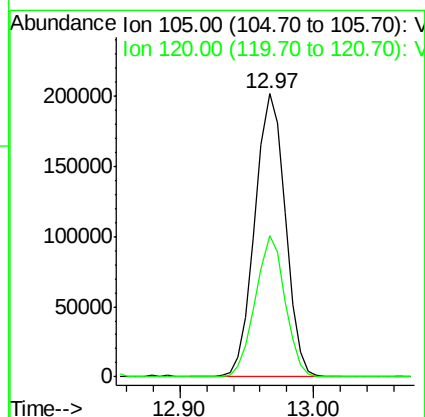
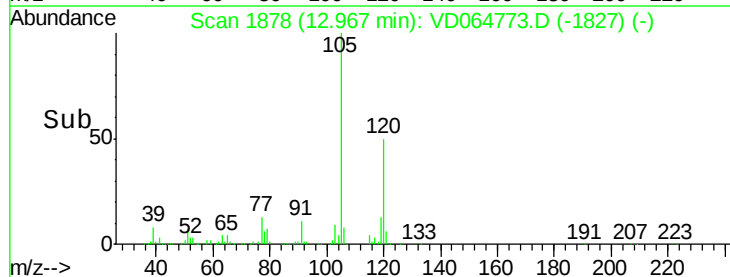
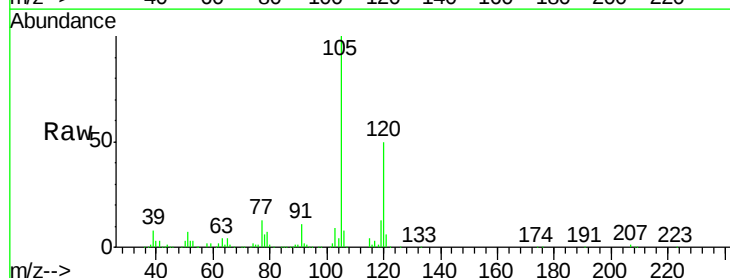
Acq: 06 Jan 2020 15:16

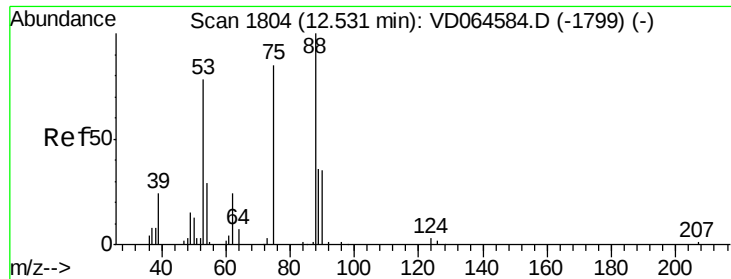
Tgt Ion: 105 Resp: 317009

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.781 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

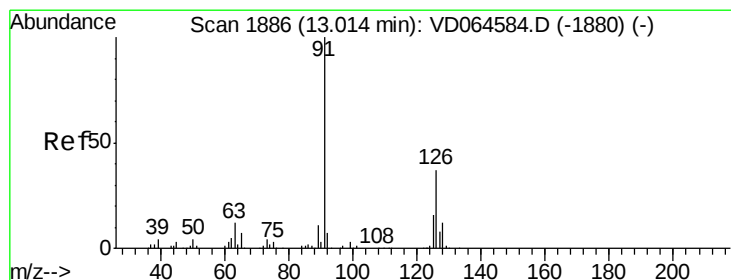
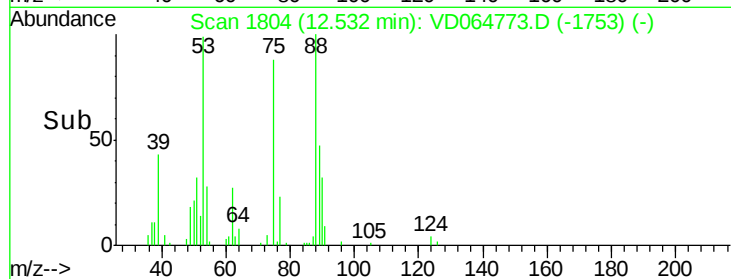
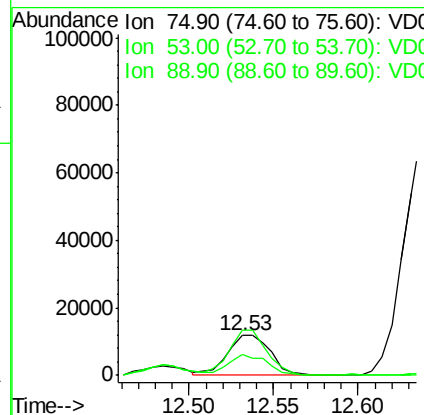
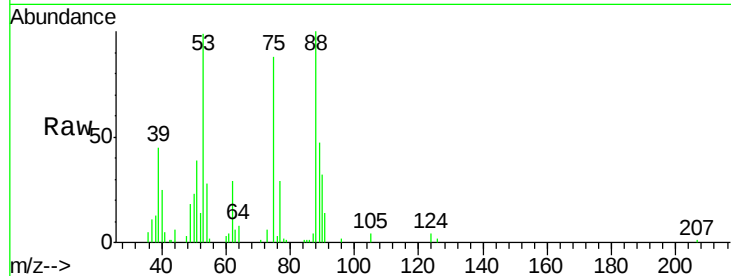
ClientSampleId :

VD0106SBSD01

Tgt Ion:	75	Resp:	21046
Ion	Ratio	Lower	Upper
75	100		
53	100.3	78.8	118.2
89	46.2	38.3	57.5

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#82

4-Chlorotoluene

Concen: 20.880 ug/l

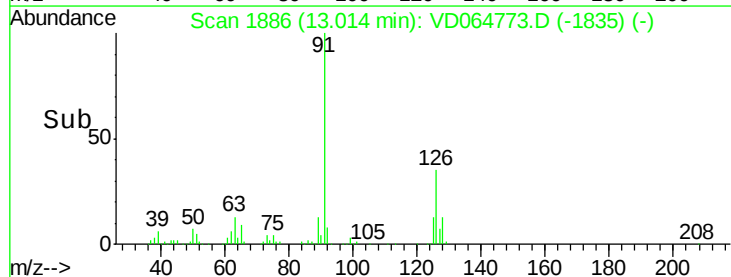
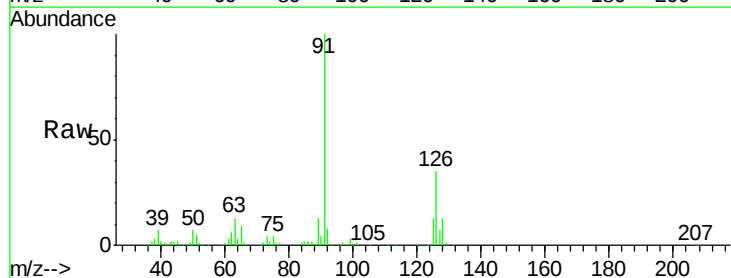
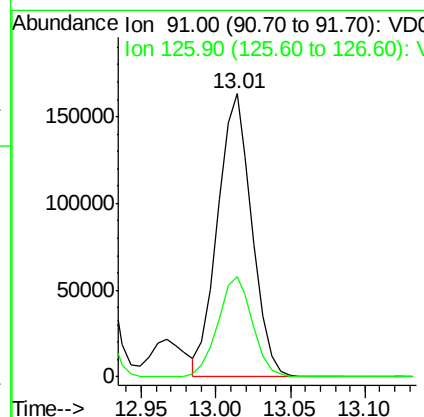
RT: 13.01 min Scan# 1886

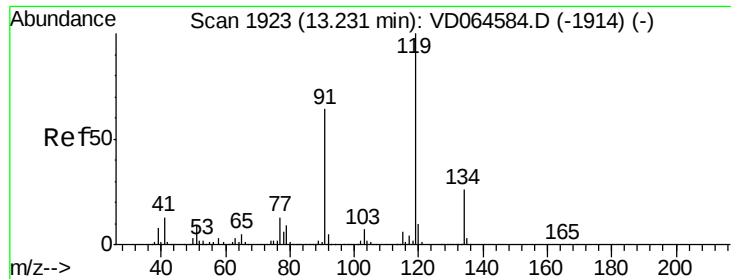
Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Tgt Ion:	91	Resp:	260447
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





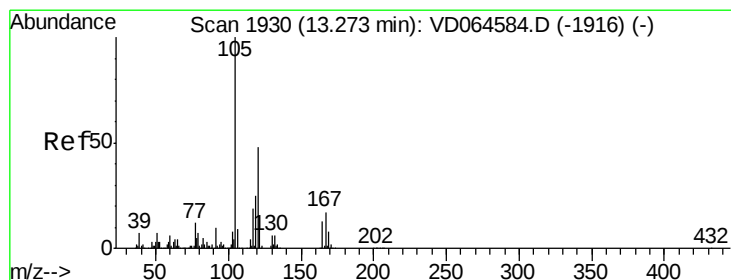
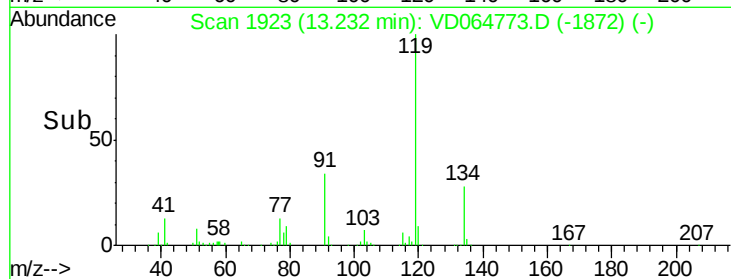
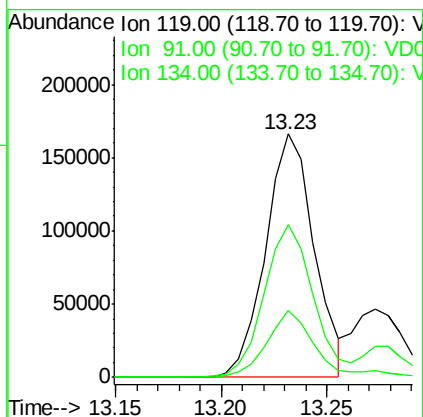
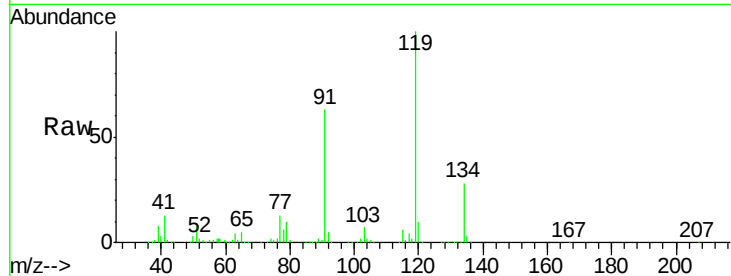
#83
tert-Butylbenzene
Concen: 20.367 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	265668		
91	63.8		30.8	92.4
134	27.8		12.8	38.3

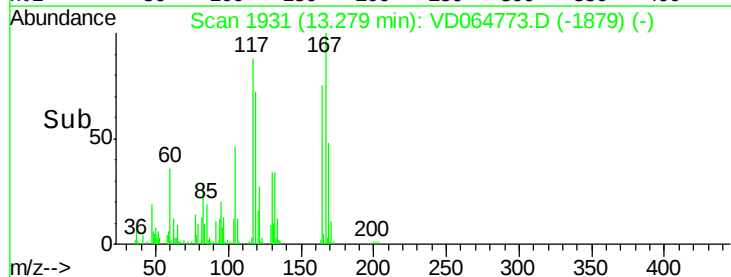
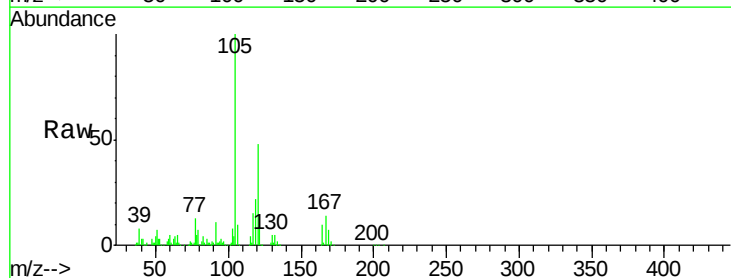
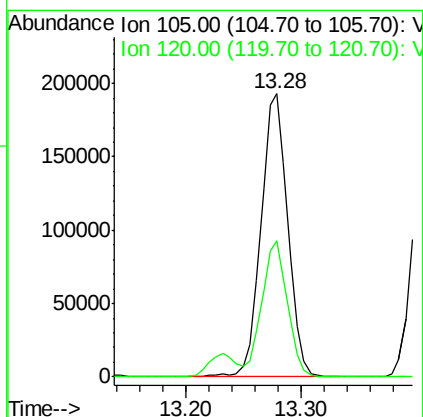
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#84
1,2,4-Trimethylbenzene
Concen: 20.829 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311656		
120	45.9		23.8	71.2





#85

sec-Butylbenzene

Concen: 20.921 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VD0106SBS01

Tgt Ion:105 Resp: 374117

Ion Ratio Lower Upper

105 100

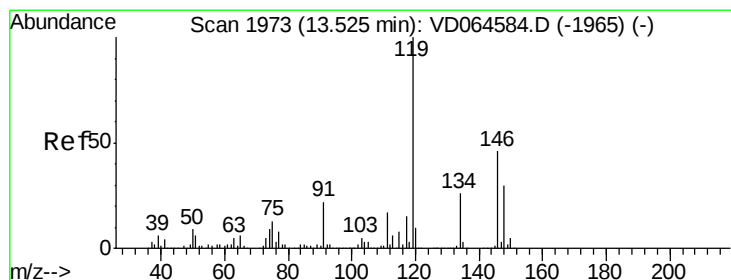
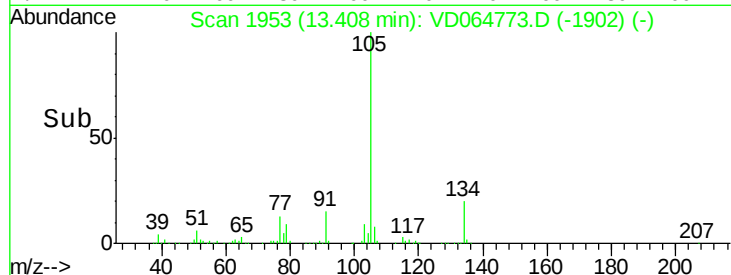
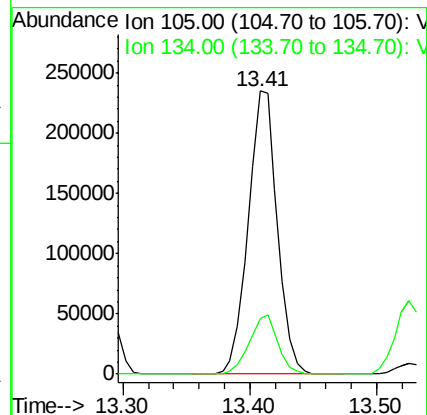
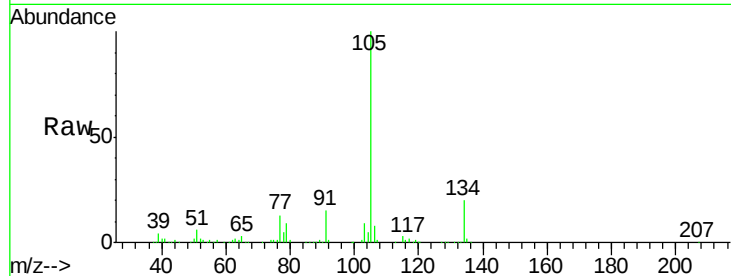
134 20.4 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 20.701 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064773.D

Acq: 06 Jan 2020 15:16

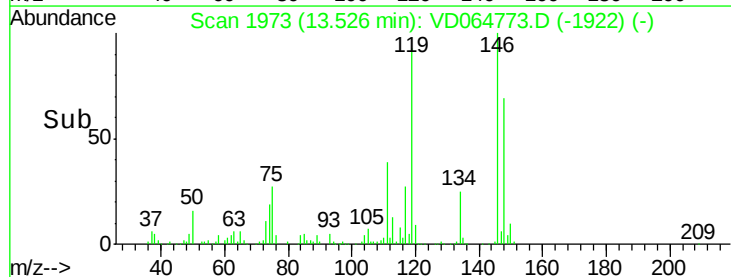
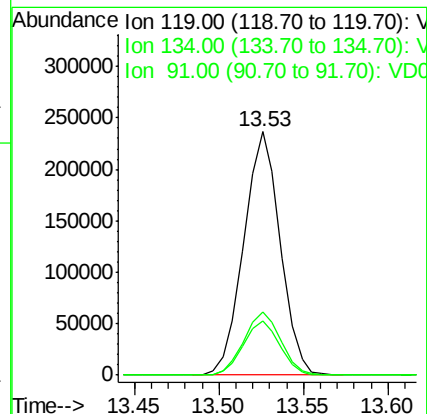
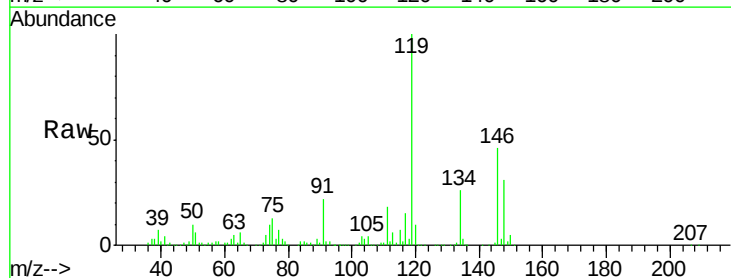
Tgt Ion:119 Resp: 353977

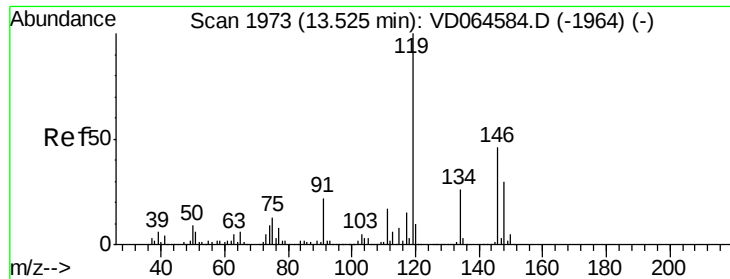
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 22.3 11.2 33.6





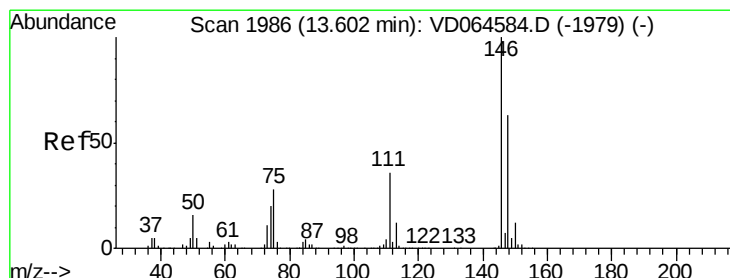
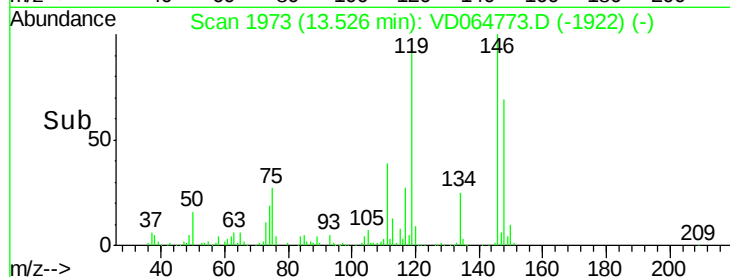
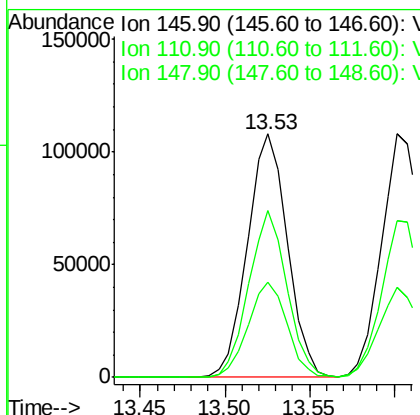
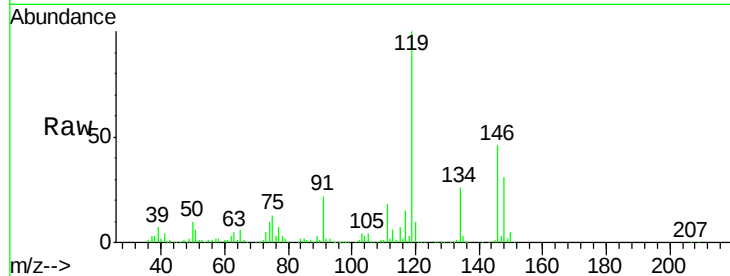
#87
 1,3-Dichlorobenzene
 Concen: 20.728 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177571		
111	38.1	18.8	56.4	
148	65.7	32.5	97.5	

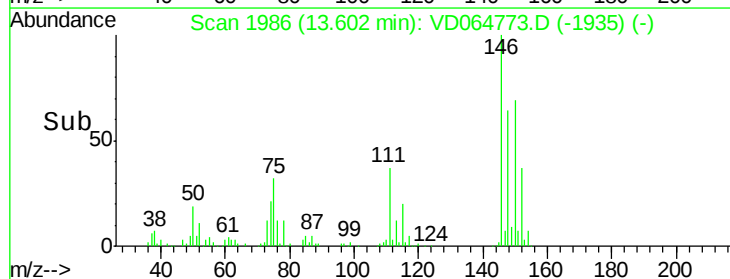
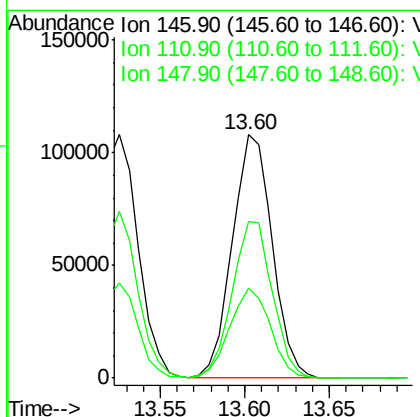
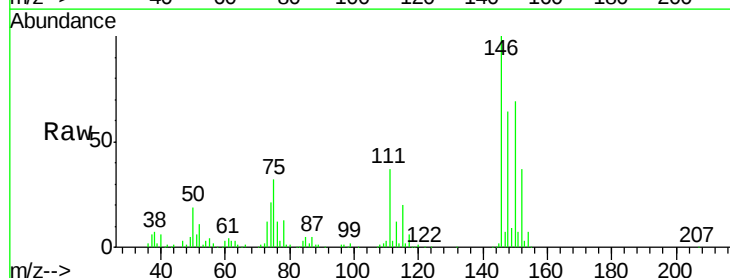
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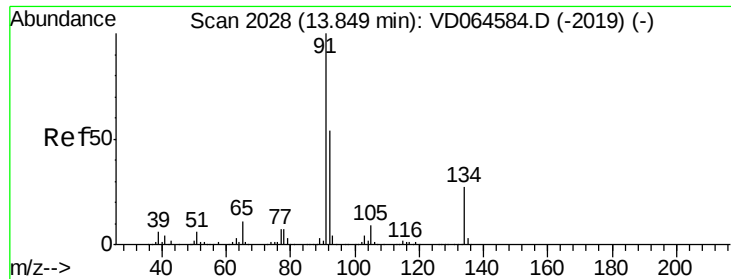
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#88
 1,4-Dichlorobenzene
 Concen: 21.198 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178400		
111	37.6	18.1	54.1	
148	64.5	32.3	96.9	





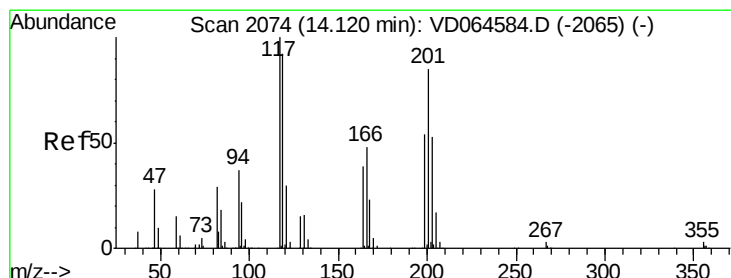
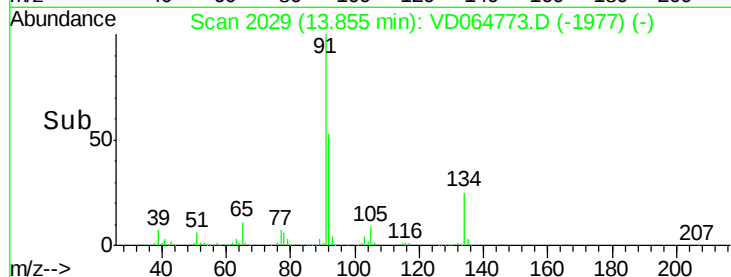
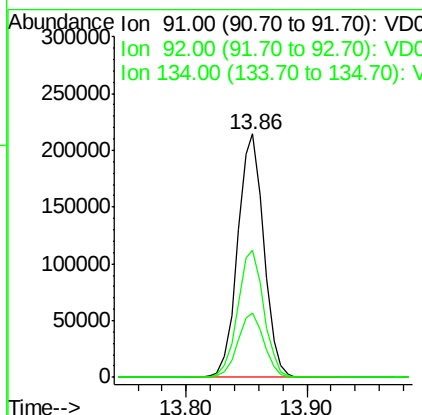
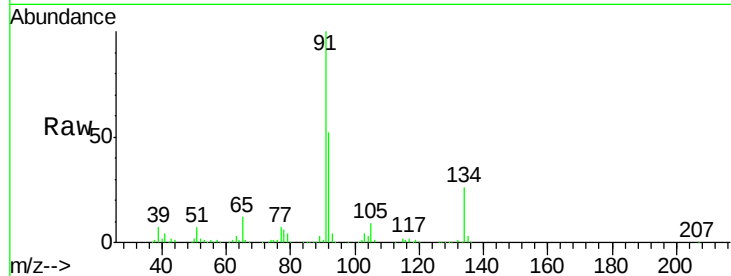
#89
n-Butylbenzene
Concen: 20.910 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.4
134	26.5	14.0	41.9

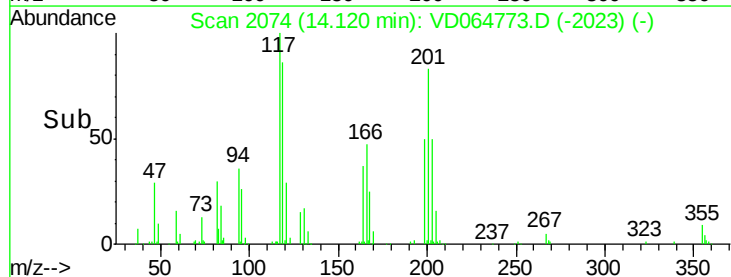
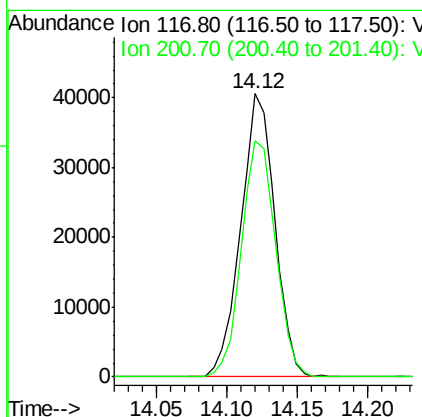
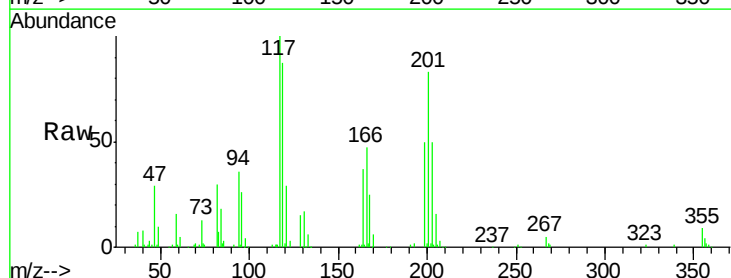
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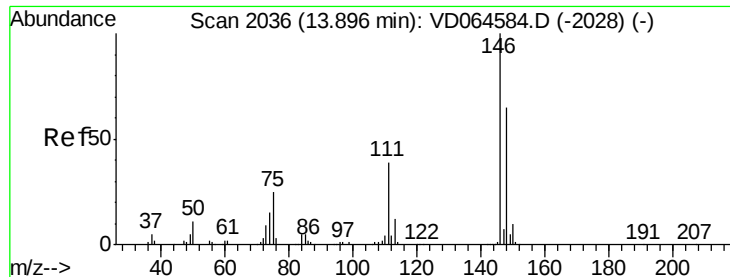
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#90
Hexachloroethane
Concen: 21.012 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	44.0	131.8





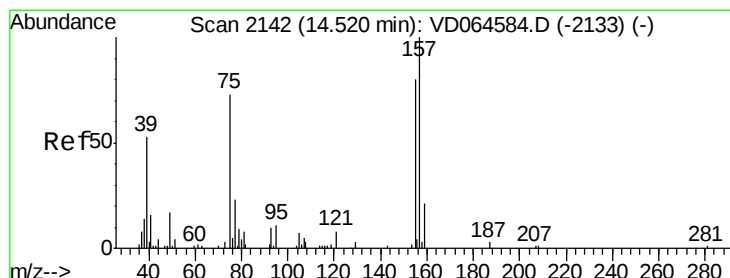
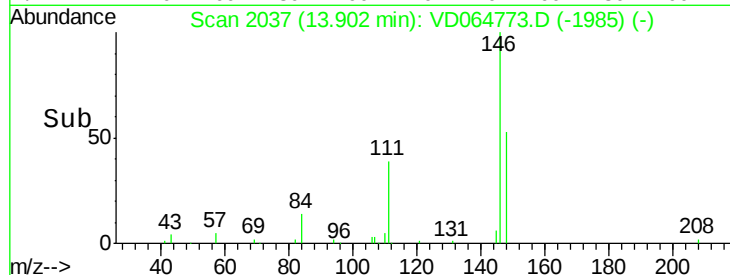
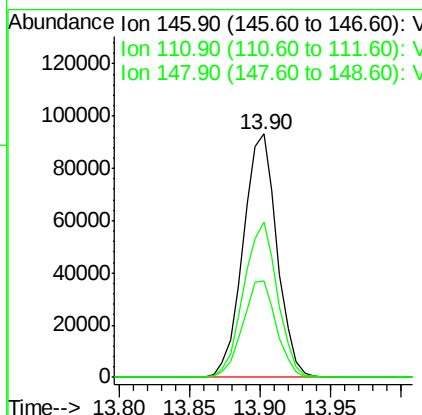
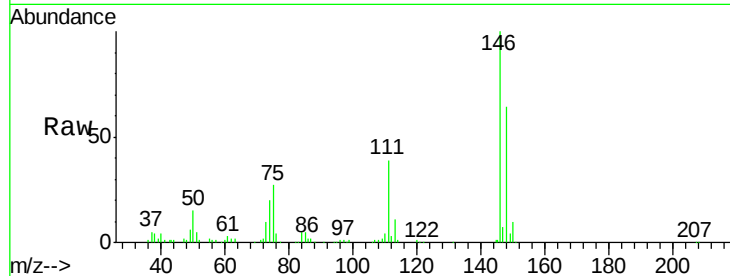
#91
 1,2-Dichlorobenzene
 Concen: 21.395 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.5	31.9	95.5

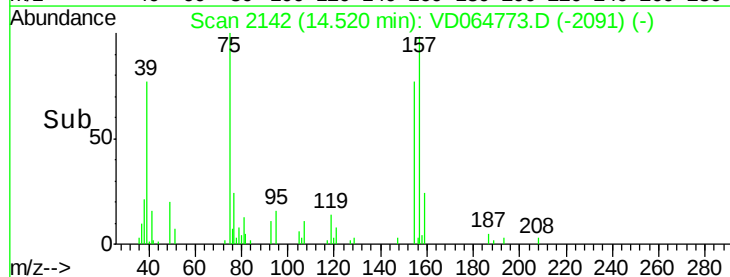
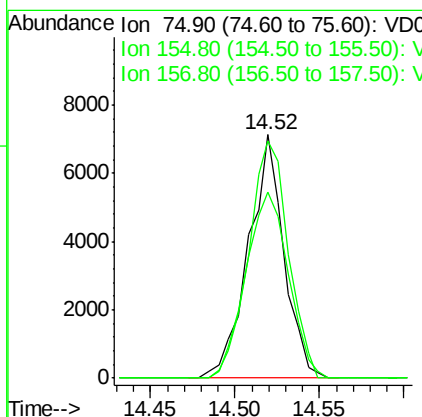
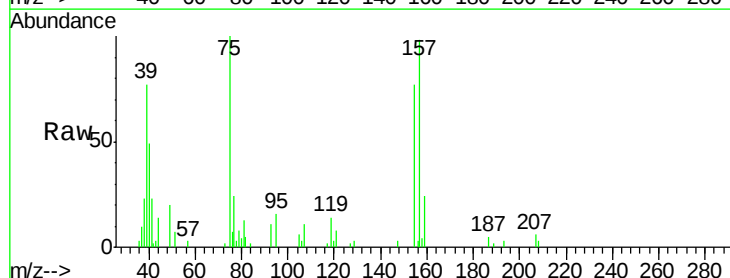
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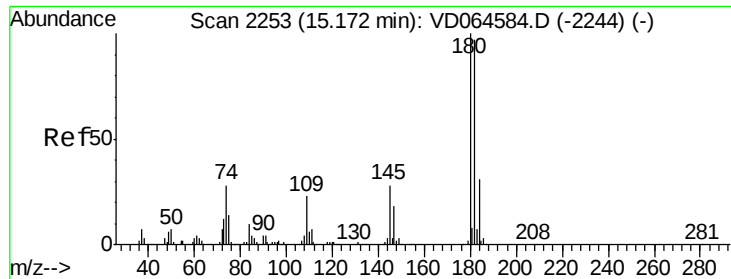
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.203 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	48.0	144.0
157	109.4	64.1	192.3





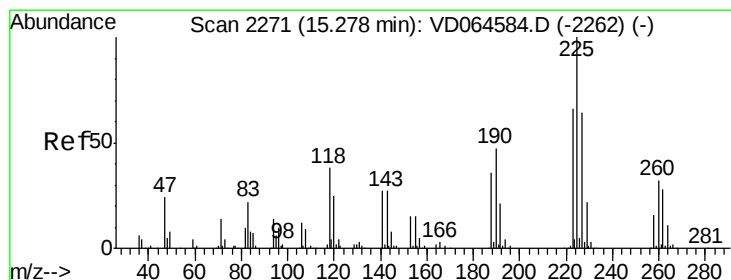
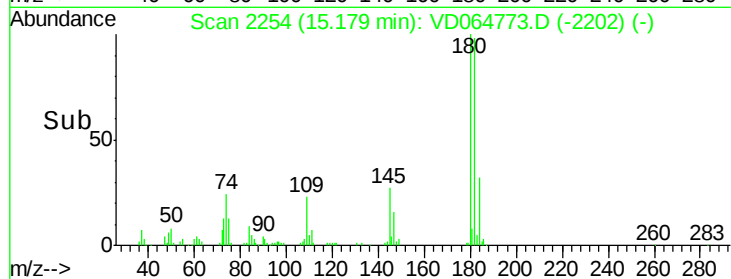
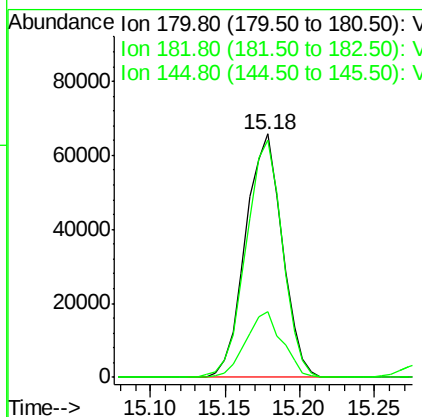
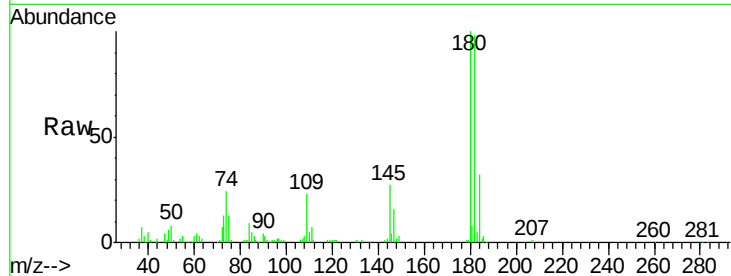
#93
 1,2,4-Trichlorobenzene
 Concen: 20.810 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0106SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111931		
182	96.7	48.0	144.2	
145	26.8	13.8	41.4	

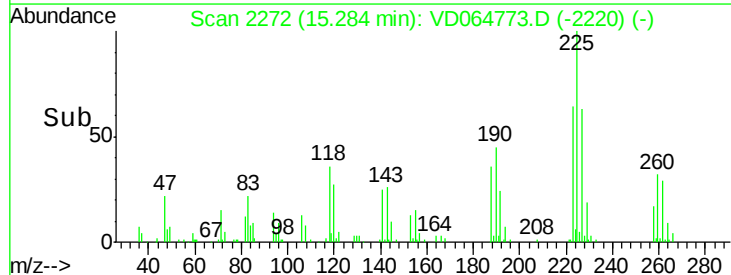
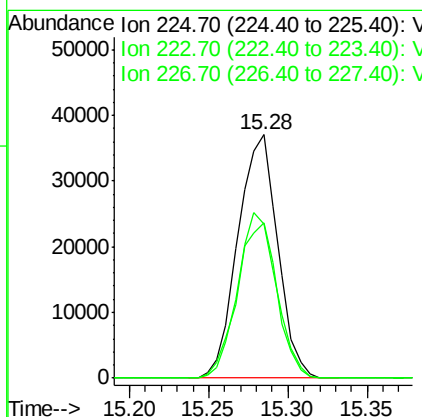
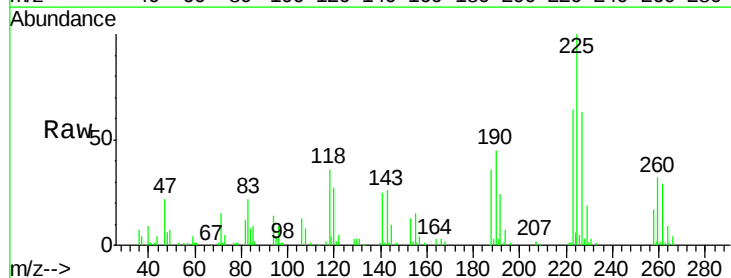
Manual Integrations
 APPROVED

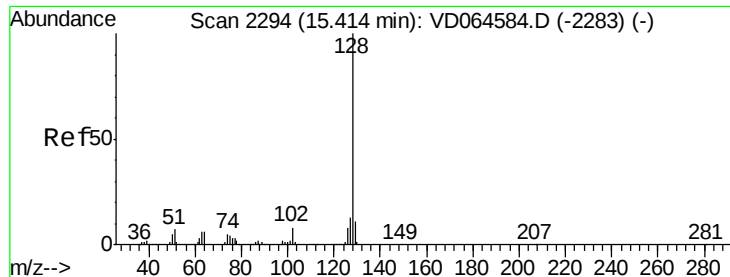
apatel
 1/7/2020 10:24:06 AM



#94
 Hexachlorobutadiene
 Concen: 19.052 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064773.D
 Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64484		
223	64.5	31.1	93.2	
227	66.2	30.9	92.7	





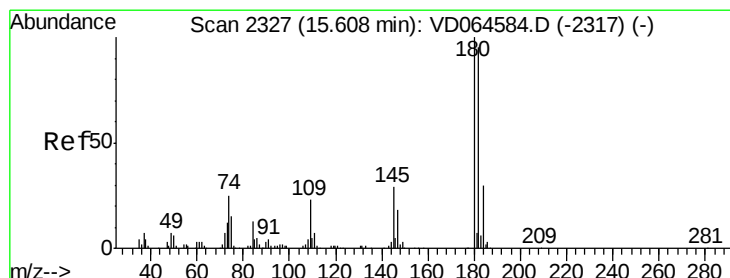
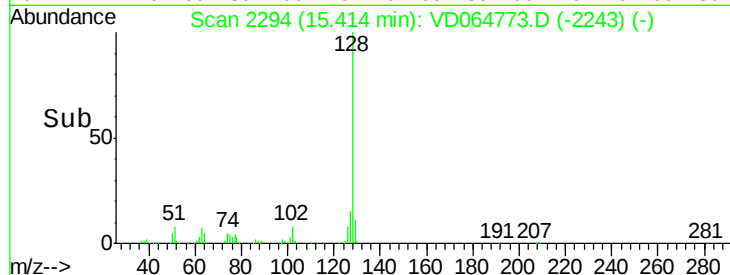
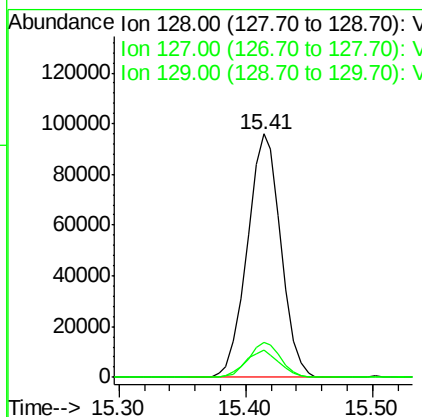
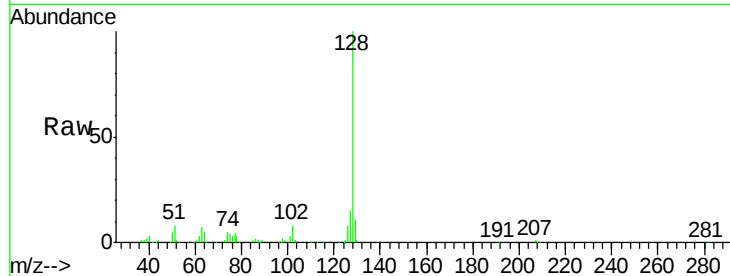
#95
Naphthalene
Concen: 20.698 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VD0106SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	176125		
127	14.0	10.3	15.5	
129	11.1	8.5	12.7	

Manual Integrations
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1/7/2020 10:24:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.669 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064773.D
Acq: 06 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94909		
182	95.8	47.9	143.7	
145	28.7	14.9	44.7	

