

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065536.D
 Acq On : 27 Mar 2020 11:26
 Operator : VA/SY
 Sample : VD0327SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Manual Integrations
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 3/30/2020 2:54:57 PM

Quant Time: Mar 30 06:52:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	542155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	765530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	704069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224203	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.91	113	244800	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.34	98	953889	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.64	95	295935	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82041	24.833	ug/l	97
3) Chloromethane	2.21	50	103940	22.584	ug/l	98
4) Vinyl Chloride	2.35	62	106135	21.184	ug/l	91
5) Bromomethane	2.76	94	70730	20.564	ug/l	92
6) Chloroethane	2.92	64	66450	20.525	ug/l	97
7) Trichlorofluoromethane	3.27	101	161705	21.634	ug/l	97
8) Diethyl Ether	3.70	74	43687	18.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100908	20.469	ug/l	99
10) Methyl Iodide	4.29	142	95628	16.765	ug/l	99
11) Tert butyl alcohol	5.24	59	15514	61.130	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	94930	20.268	ug/l	96
13) Acrolein	3.92	56	34864	81.364	ug/l	100
14) Allyl chloride	4.71	41	135114	18.959	ug/l	100
15) Acrylonitrile	5.43	53	86136	88.198	ug/l	100
16) Acetone	4.16	43	77836	91.405	ug/l	94
17) Carbon Disulfide	4.40	76	316448	20.494	ug/l	100
18) Methyl Acetate	4.71	43	39847	17.995	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	161714	17.312	ug/l	99
20) Methylene Chloride	4.96	84	110979	17.516	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	108141	20.068	ug/l	97
22) Diisopropyl ether	6.37	45	266623	19.293	ug/l	97
23) Vinyl Acetate	6.31	43	678348	90.116	ug/l	99
24) 1,1-Dichloroethane	6.26	63	175118	19.983	ug/l	96
25) 2-Butanone	7.21	43	102856	88.939	ug/l	96
26) 2,2-Dichloropropane	7.21	77	157913	20.349	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105823	18.951	ug/l	98
28) Bromochloromethane	7.55	49	69114	18.968	ug/l	96
29) Tetrahydrofuran	7.57	42	64359	85.866	ug/l	100
30) Chloroform	7.71	83	180414	19.874	ug/l	97
31) Cyclohexane	7.98	56	165960	19.563	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	168014	20.487	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146977	21.014	ug/l	99
37) Ethyl Acetate	7.30	43	51554	19.256	ug/l #	78
38) Carbon Tetrachloride	8.10	117	152565	20.710	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165349	20.051	ug/l	97
40) Benzene	8.35	78	414190	20.753	ug/l	99
41) Methacrylonitrile	7.53	41	22874	14.801	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	106092	19.976	ug/l	99
43) Isopropyl Acetate	8.46	43	90338	18.581	ug/l	96
44) Trichloroethene	9.11	130	115913	20.016	ug/l	100
45) 1,2-Dichloropropane	9.39	63	96475	19.899	ug/l	97
46) Dibromomethane	9.48	93	50323	19.781	ug/l	99
47) Bromodichloromethane	9.67	83	133342	19.785	ug/l	100
48) Methyl methacrylate	9.46	41	45415	19.645	ug/l	94
49) 1,4-Dioxane	9.46	88	10970	396.551	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	238211	97.090	ug/l	98
52) Toluene	10.41	92	260433	20.604	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	119150	19.330	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	146604	19.440	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71501	19.702	ug/l	95
56) Ethyl methacrylate	10.67	69	69909	18.028	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118056	19.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	196134	95.237	ug/l	99
59) 2-Hexanone	10.99	43	153960	92.034	ug/l	97
60) Dibromochloromethane	11.14	129	93247	19.389	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67121	19.110	ug/l	99
64) Tetrachloroethene	10.88	164	105414	20.901	ug/l	95
65) Chlorobenzene	11.67	112	274668	19.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	103103	20.086	ug/l	99
67) Ethyl Benzene	11.75	91	470415	20.291	ug/l	99
68) m/p-Xylenes	11.86	106	375475	41.248	ug/l	97
69) o-Xylene	12.18	106	158397	19.869	ug/l	99
70) Styrene	12.20	104	283073	20.103	ug/l	99
71) Bromoform	12.37	173	55696	19.672	ug/l #	100
73) Isopropylbenzene	12.48	105	437813	20.373	ug/l	100
74) N-amyl acetate	12.30	43	76993	18.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74020	19.830	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	48344m	17.968	ug/l	
77) Bromobenzene	12.77	156	112385	20.013	ug/l	99
78) n-propylbenzene	12.83	91	539274	21.053	ug/l	100
79) 2-Chlorotoluene	12.91	91	301728	20.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	377180	21.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22773	18.893	ug/l	98
82) 4-Chlorotoluene	13.01	91	324327	20.884	ug/l	99
83) tert-Butylbenzene	13.23	119	303908	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	371584	20.867	ug/l	100
85) sec-Butylbenzene	13.41	105	439342	20.580	ug/l	100
86) p-Isopropyltoluene	13.53	119	410774	20.881	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	224561	20.773	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	218323	20.212	ug/l	99
89) n-Butylbenzene	13.86	91	368871	20.647	ug/l	99
90) Hexachloroethane	14.12	117	86307	20.921	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	186725	20.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10535	18.735	ug/l	98

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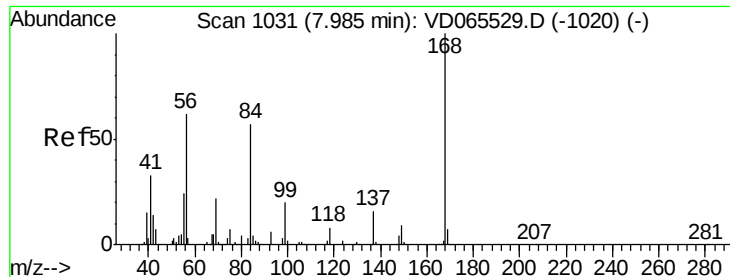
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118164	18.619	ug/l	99
94) Hexachlorobutadiene	15.28	225	86192	20.841	ug/l	98
95) Naphthalene	15.41	128	162366	18.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102383	18.784	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: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:168 Resp: 542155

Ion Ratio Lower Upper

168 100

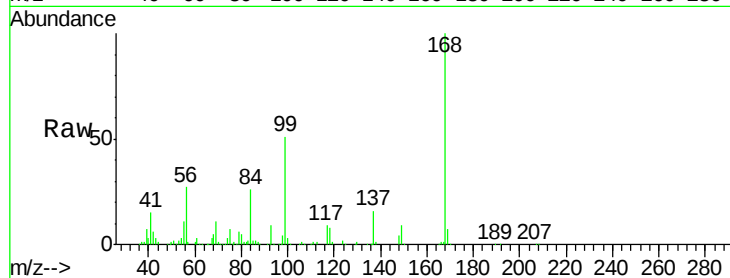
99 51.3 39.1 58.7

Manual Integrations

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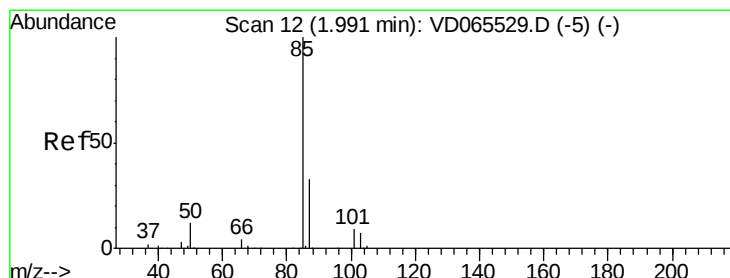
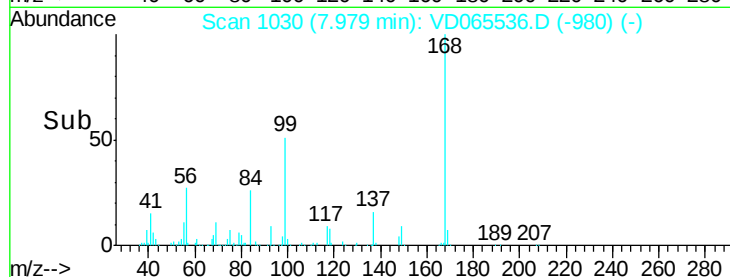
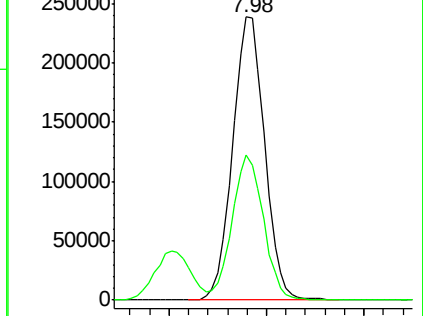
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.833 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065536.D

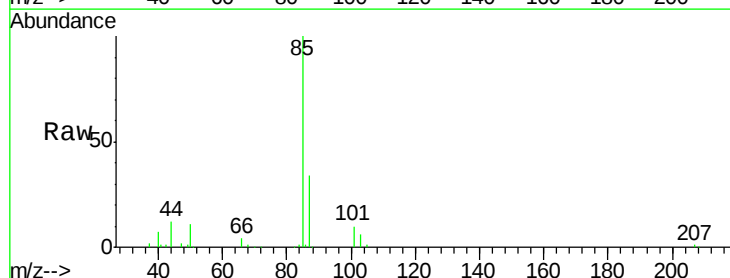
Acq: 27 Mar 2020 11:26

Tgt Ion: 85 Resp: 82041

Ion Ratio Lower Upper

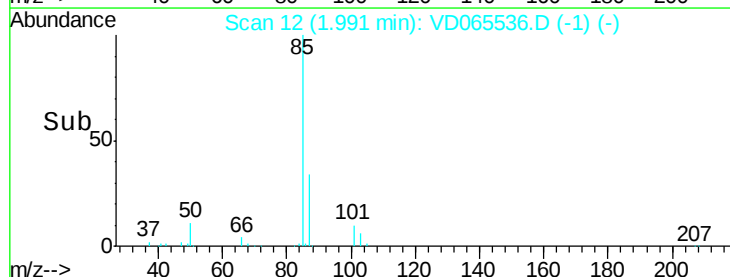
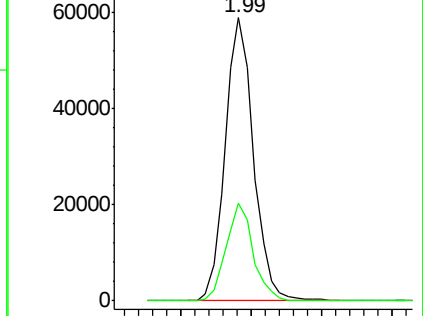
85 100

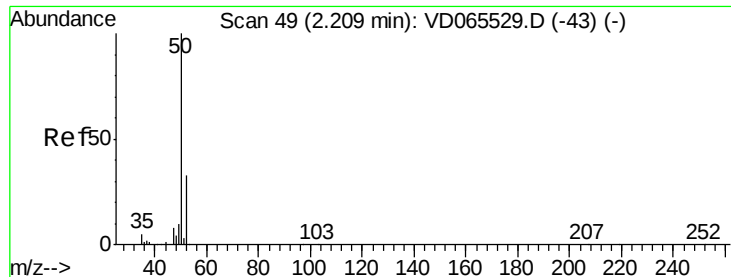
87 34.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.584 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 50 Resp: 103940

Ion Ratio Lower Upper

50 100

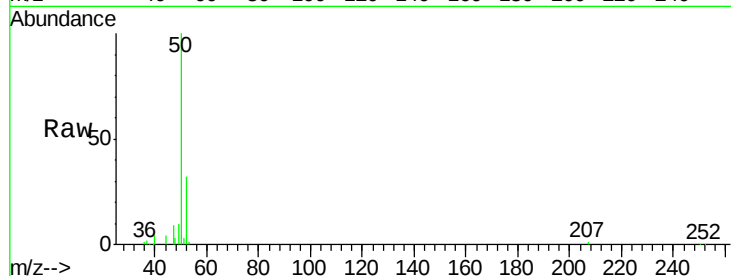
52 31.6 26.3 39.5

Manual Integrations

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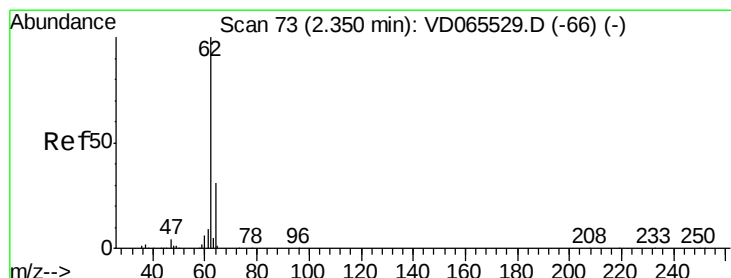
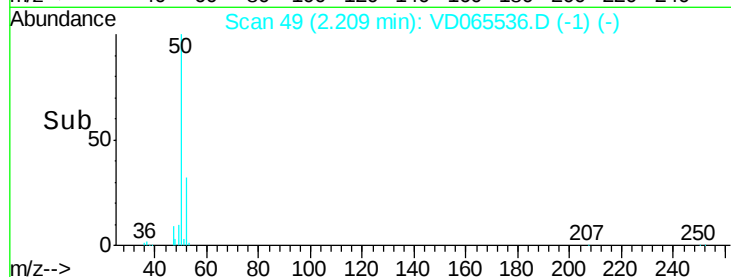
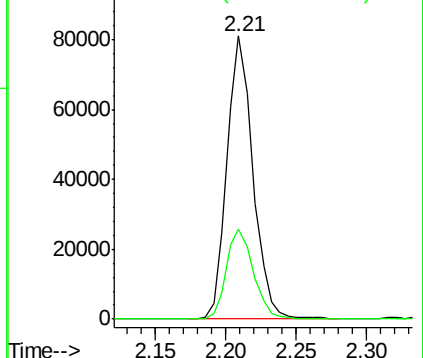
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.184 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065536.D

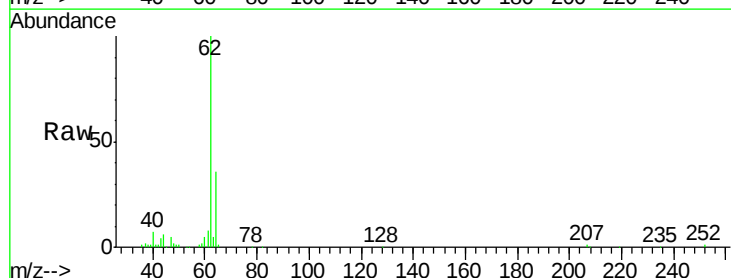
Acq: 27 Mar 2020 11:26

Tgt Ion: 62 Resp: 106135

Ion Ratio Lower Upper

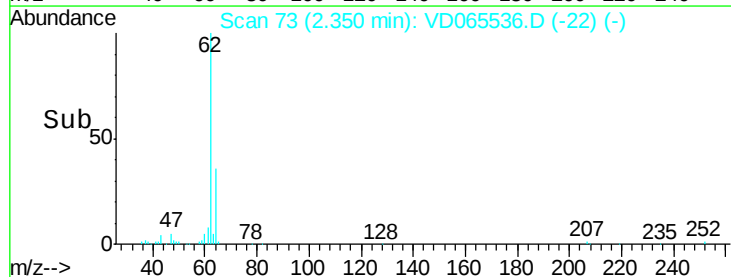
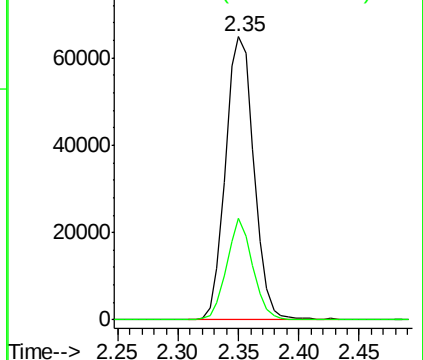
62 100

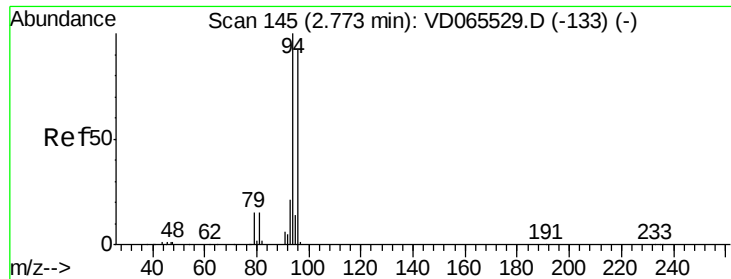
64 35.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.564 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

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VD0327SBS01

Tot Ion: 94 Resp: 70730

Ion Ratio Lower Upper

94 100

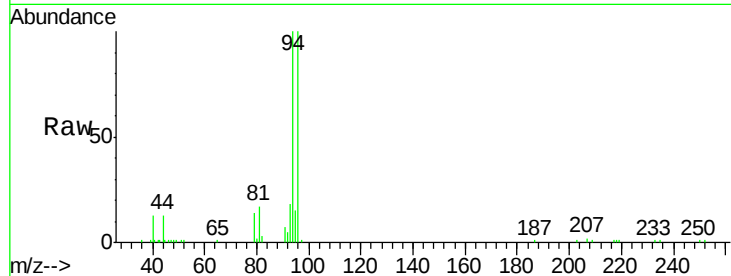
96 99.8 73.4 110.2

Manual Integrations

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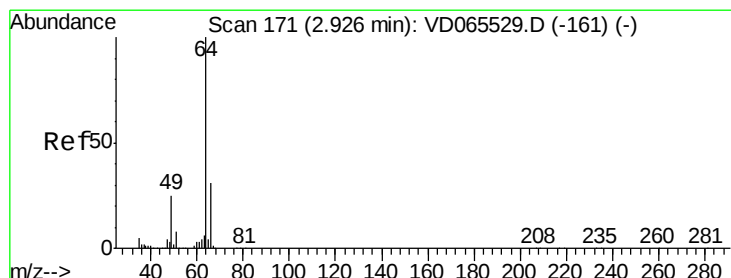
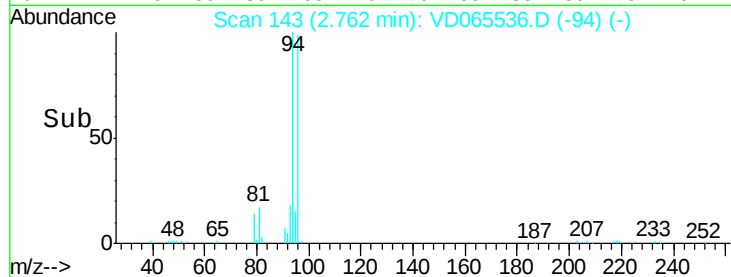
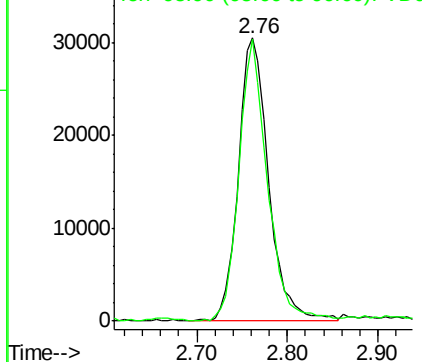
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.525 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065536.D

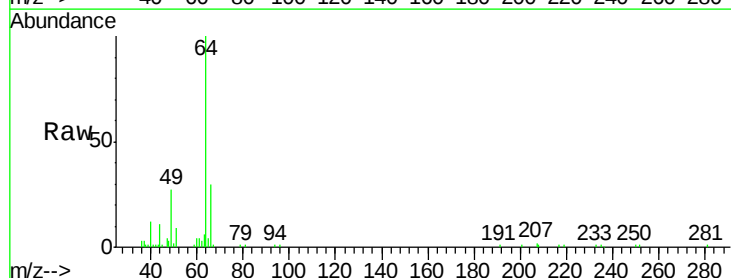
Acq: 27 Mar 2020 11:26

Tgt Ion: 64 Resp: 66450

Ion Ratio Lower Upper

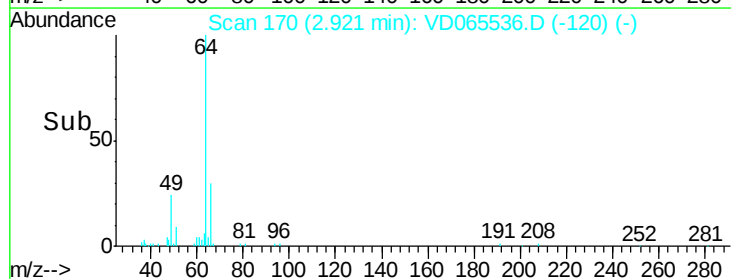
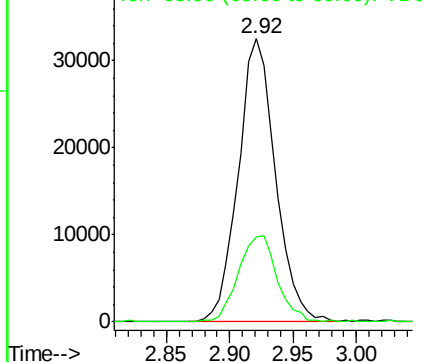
64 100

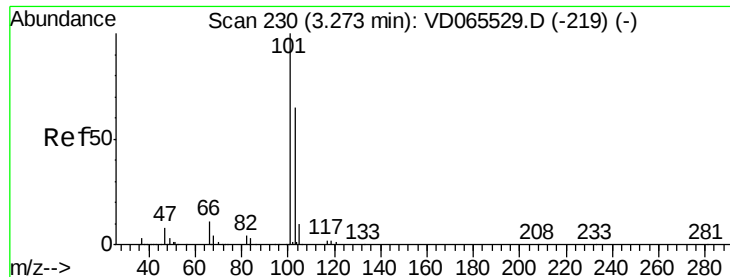
66 29.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

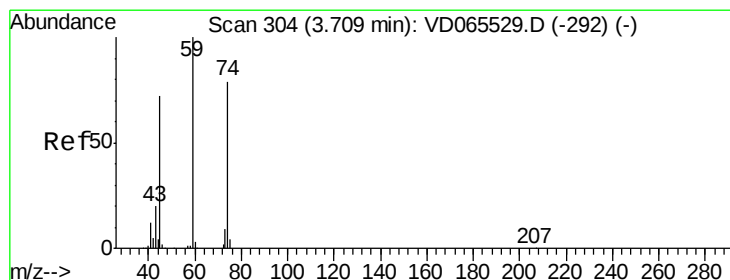
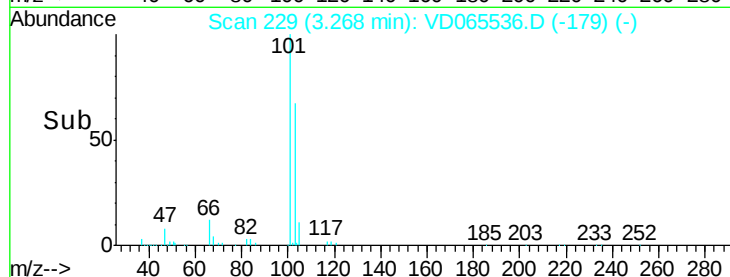
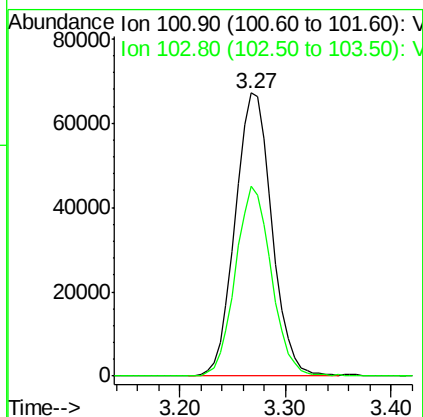
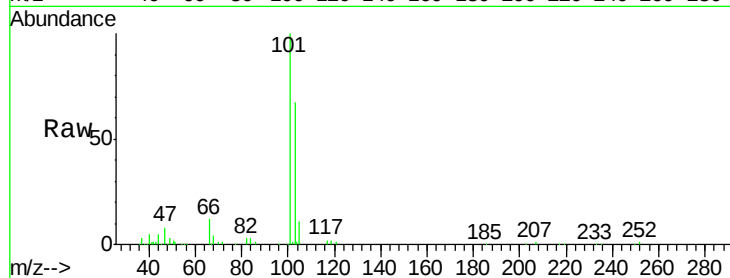
Trichlorofluoromethane
Concen: 21.634 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.9	77.9

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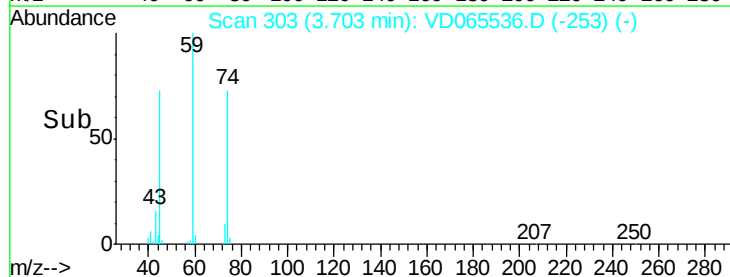
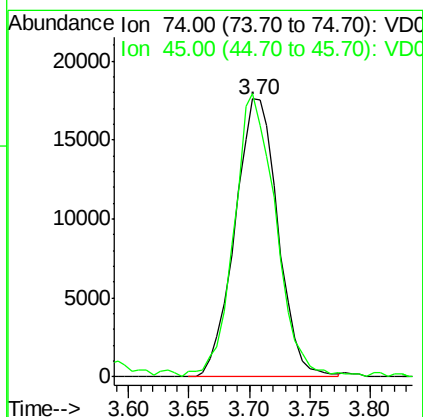
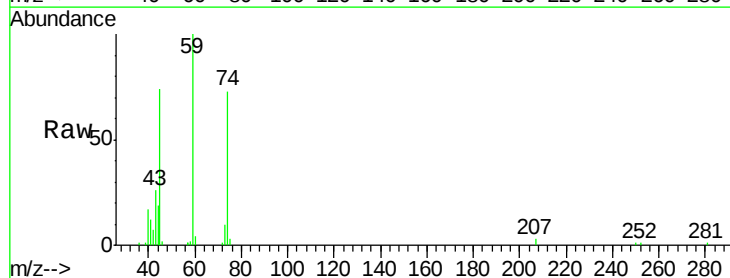
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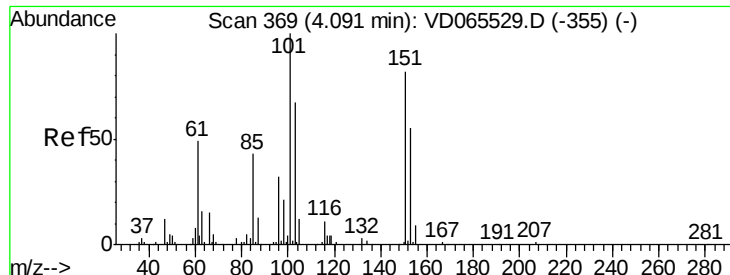


#8

Diethyl Ether
Concen: 18.420 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.469 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

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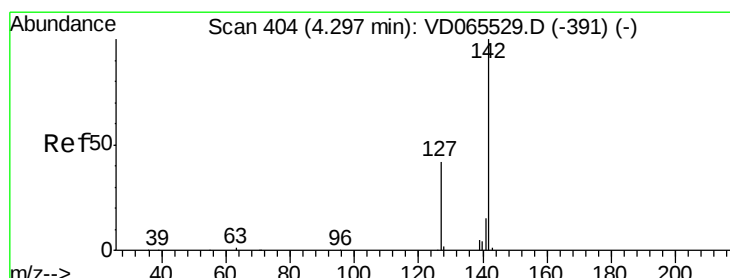
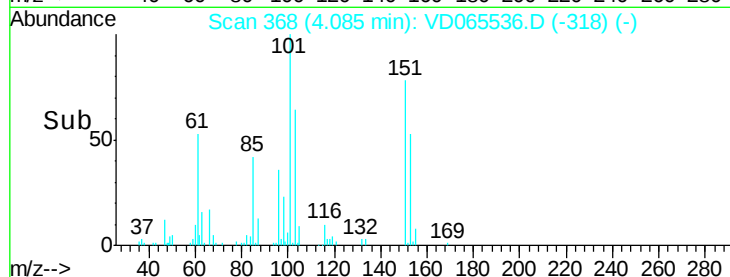
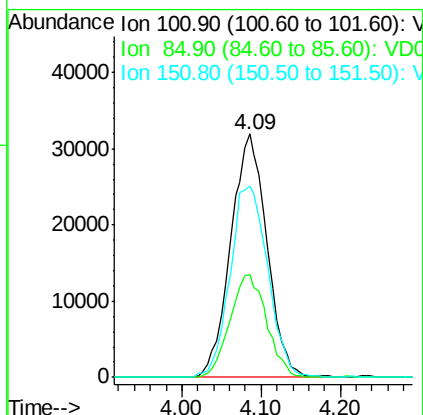
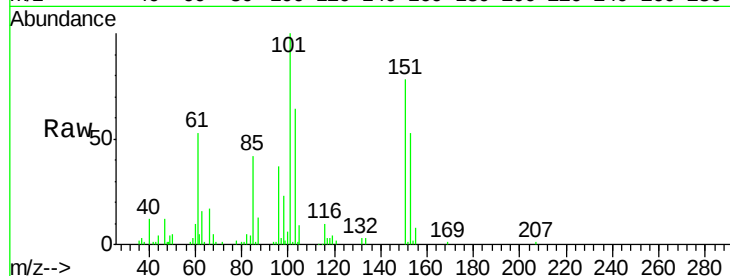
ClientSampleId :

VD0327SBS01

Tot Ion:	101	Resp:	100908
Ion Ratio	Lower	Upper	
101	100		
85	42.7	32.6	48.8
151	82.3	65.5	98.3

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#10

Methyl Iodide

Concen: 16.765 ug/l

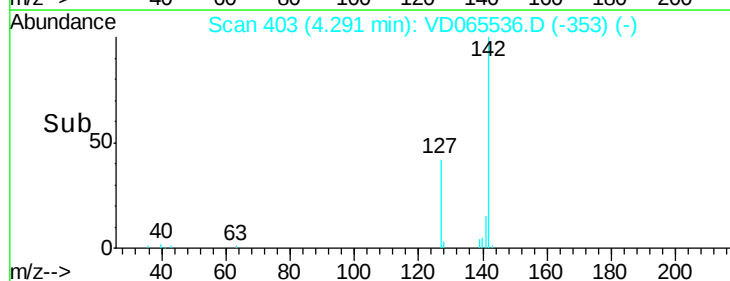
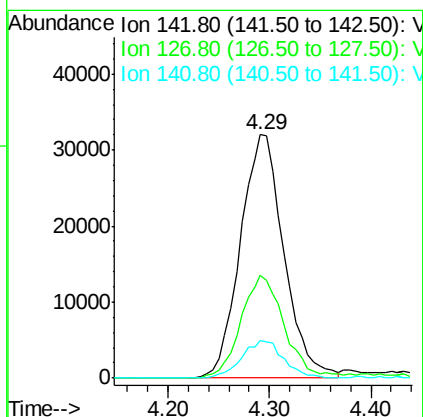
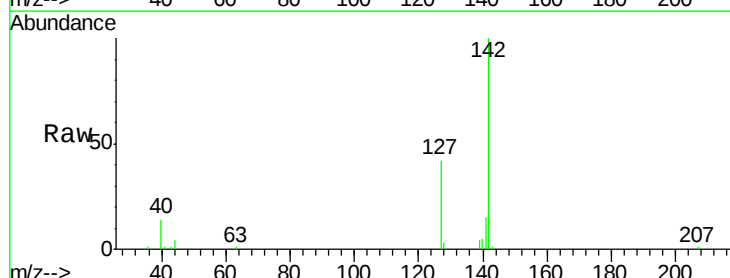
RT: 4.29 min Scan# 403

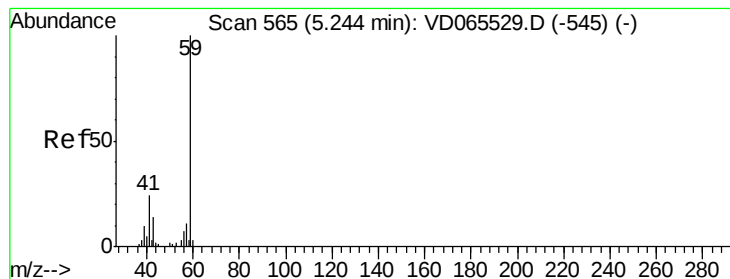
Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	142	Resp:	95628
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.9	50.9
141	14.8	11.6	17.4





#11

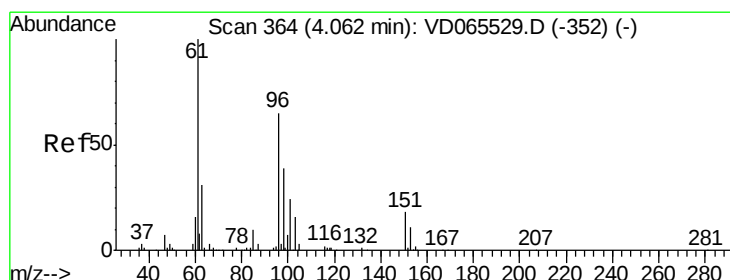
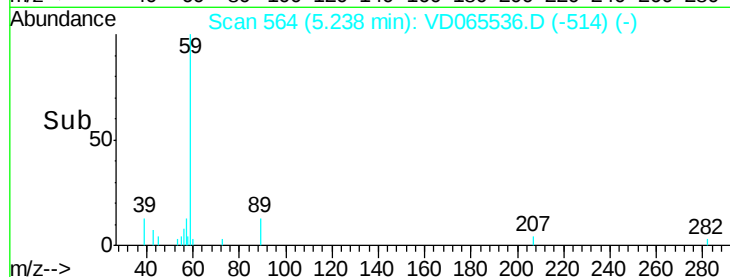
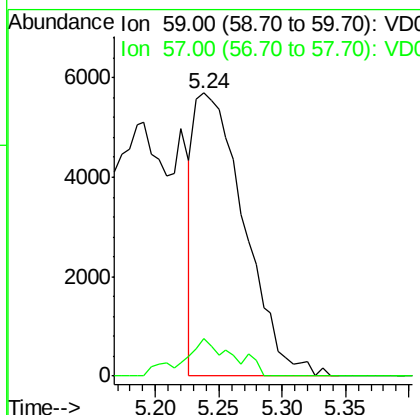
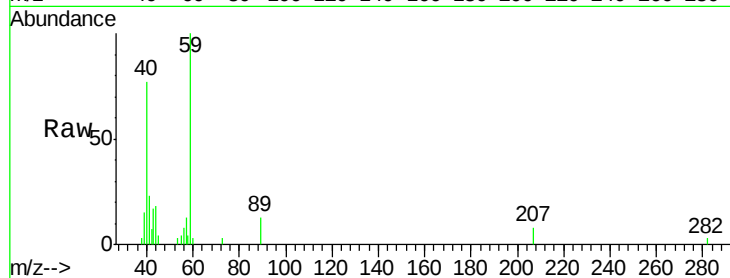
Tert butyl alcohol
Concen: 61.130 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 59 Resp: 15514
Ion Ratio Lower Upper
59 100
57 13.2 8.1 12.1#

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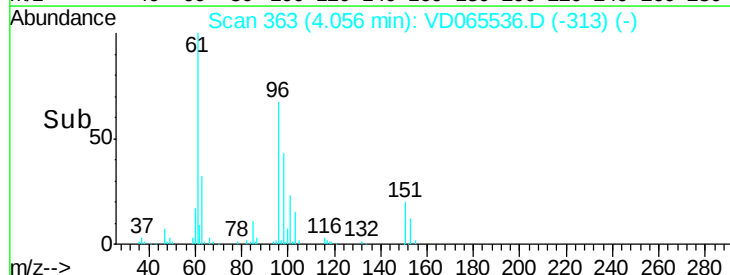
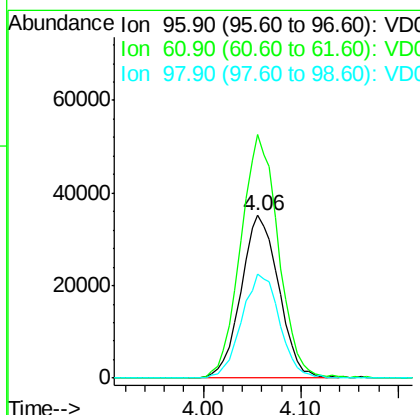
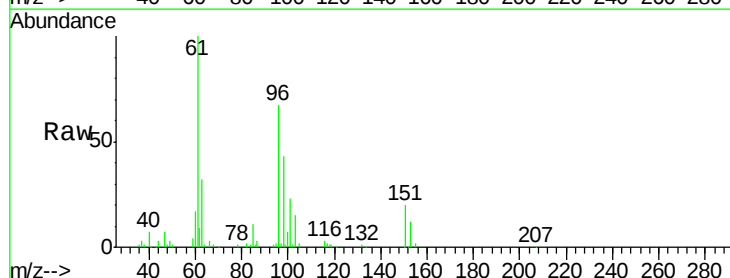
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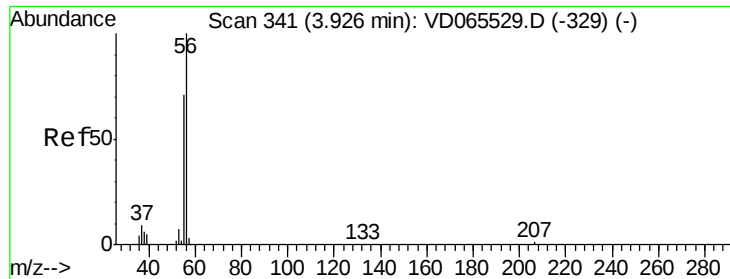


#12

1,1-Dichloroethene
Concen: 20.268 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 96 Resp: 94930
Ion Ratio Lower Upper
96 100
61 149.7 124.0 186.0
98 64.0 48.2 72.4





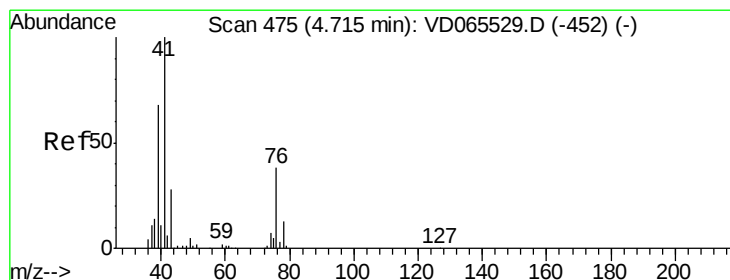
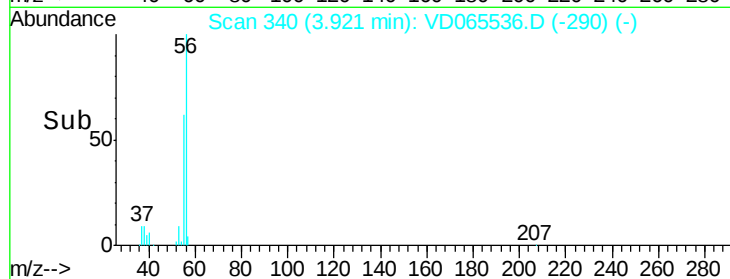
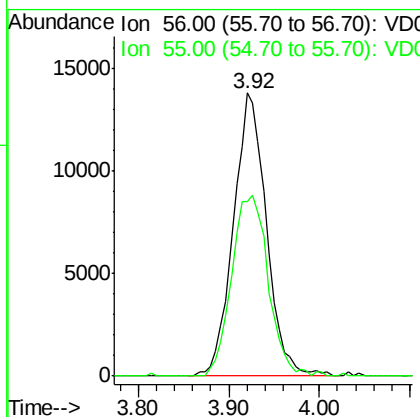
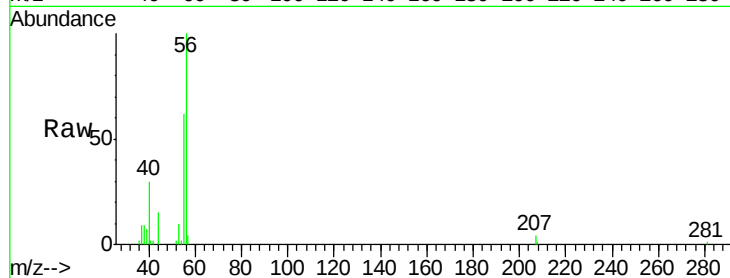
#13
 Acrolein
 Concen: 81.364 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	56	55	Ratio	Lower	Upper
34864	100	70.3		56.2	84.2

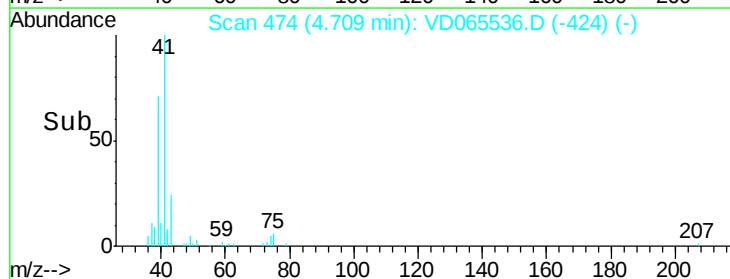
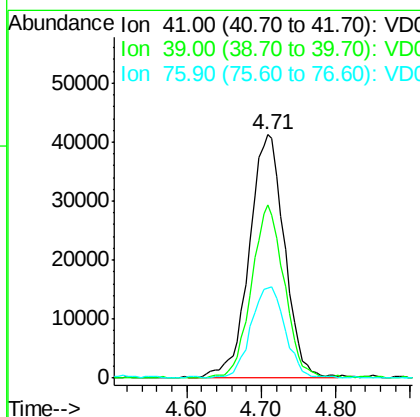
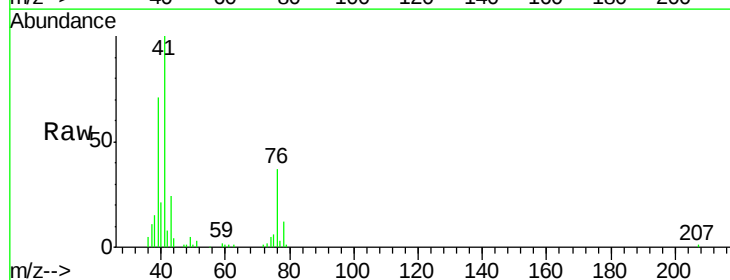
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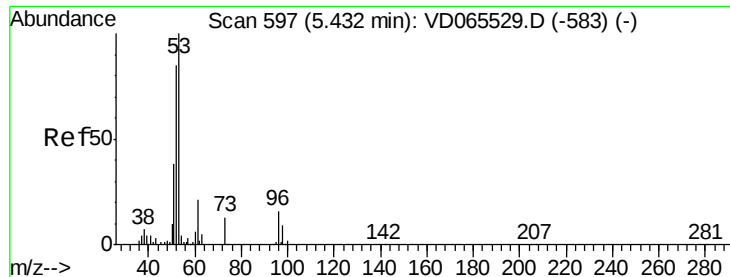
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#14
 Allyl chloride
 Concen: 18.959 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	41	39	76	Ratio	Lower	Upper
135114	100	66.0	36.7		52.9	79.3





#15

Acrylonitrile

Concen: 88.198 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

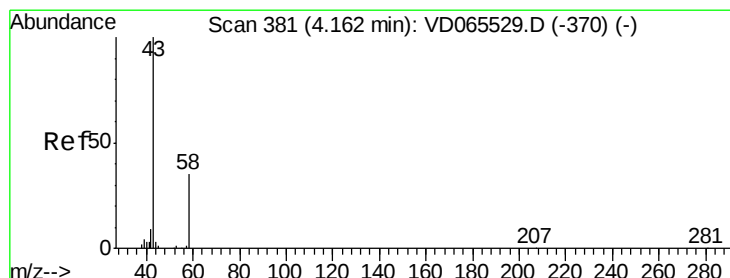
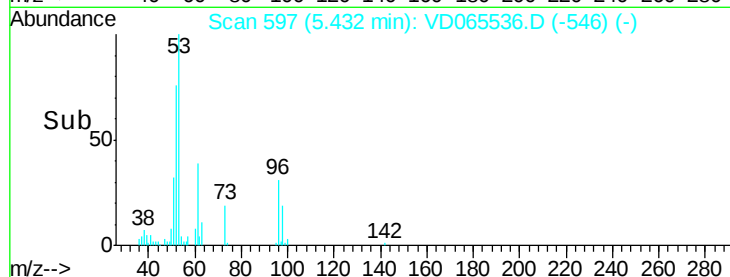
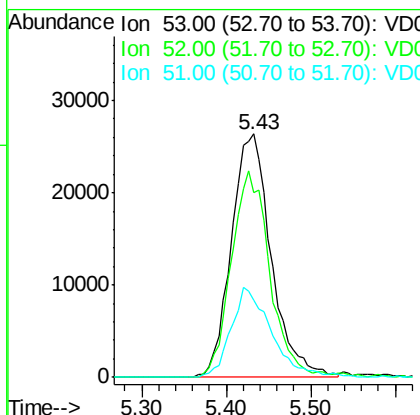
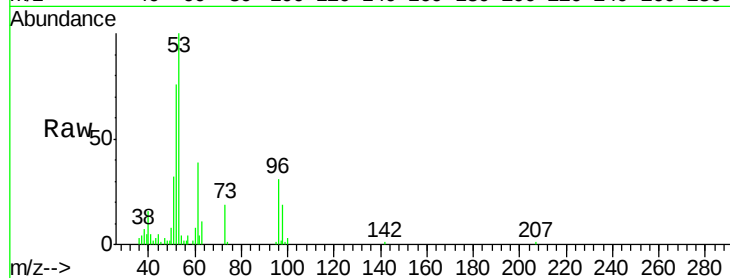
ClientSampleId :

VD0327SBS01

Tot Ion:	53	Resp:	86136
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.6
51	37.1	29.7	44.5

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#16

Acetone

Concen: 91.405 ug/l

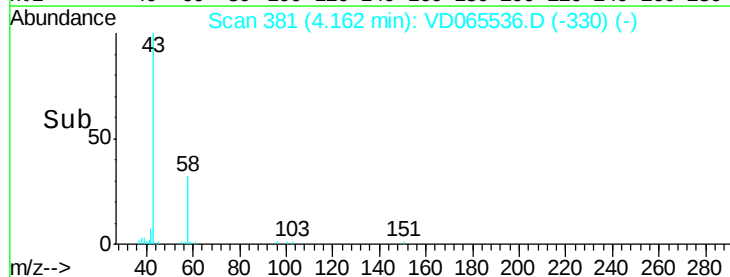
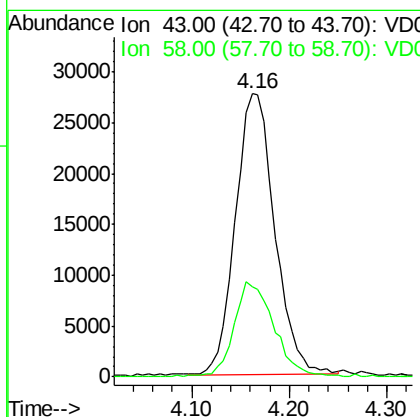
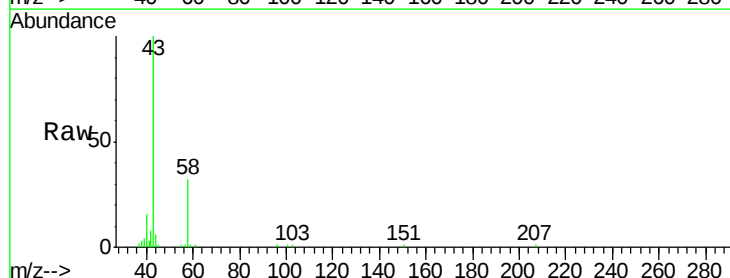
RT: 4.16 min Scan# 381

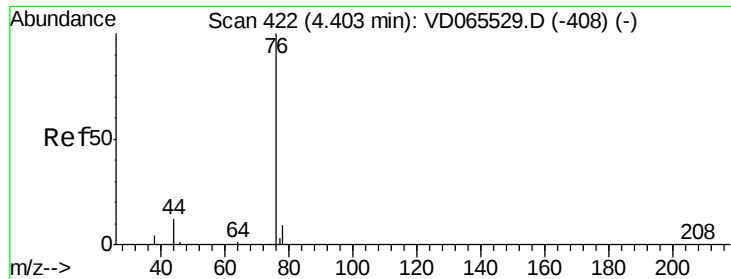
Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	43	Resp:	77836
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.9	41.9





#17

Carbon Disulfide

Concen: 20.494 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 76 Resp: 316448

Ion Ratio Lower Upper

76 100

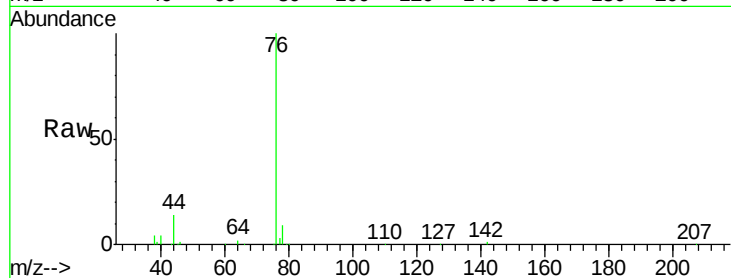
78 9.4 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

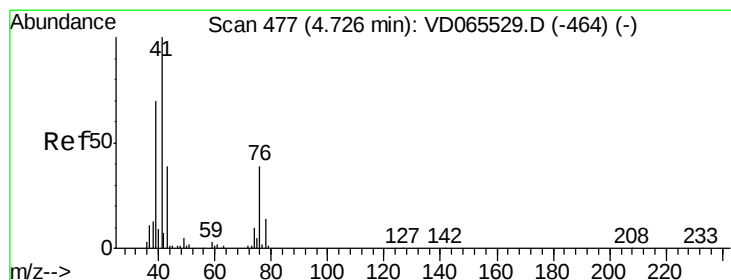
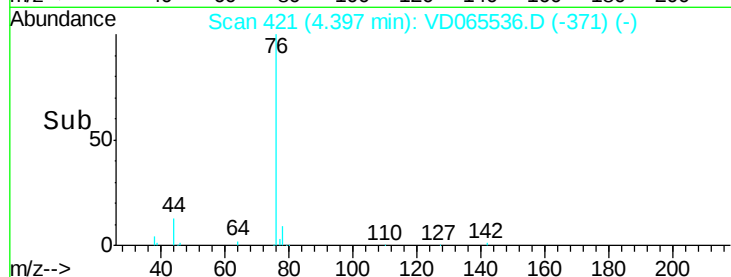
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 17.995 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065536.D

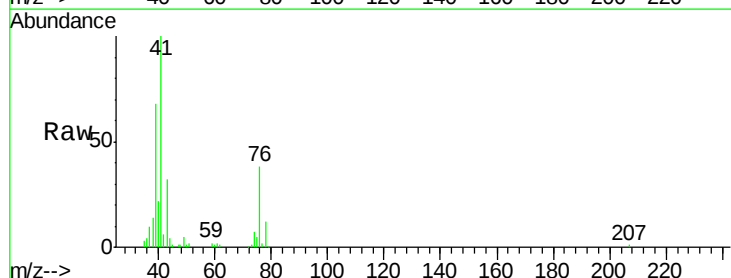
Acq: 27 Mar 2020 11:26

Tgt Ion: 43 Resp: 39847

Ion Ratio Lower Upper

43 100

74 22.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

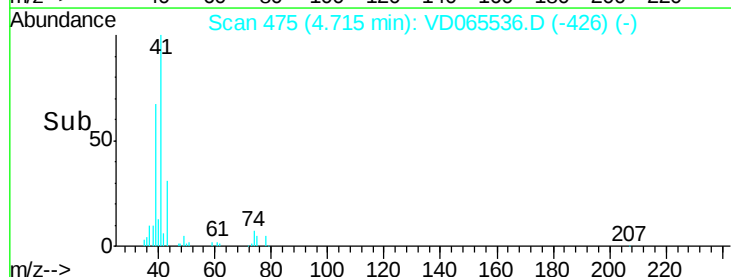
15000

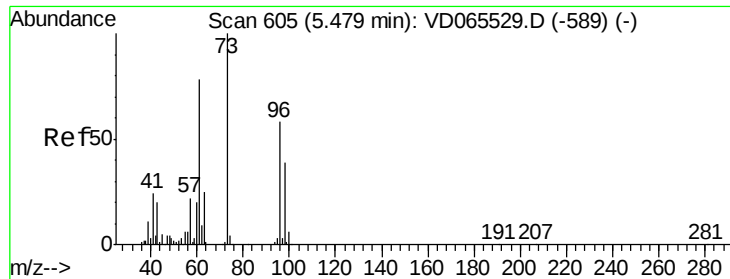
10000

5000

0

Time-->





#19

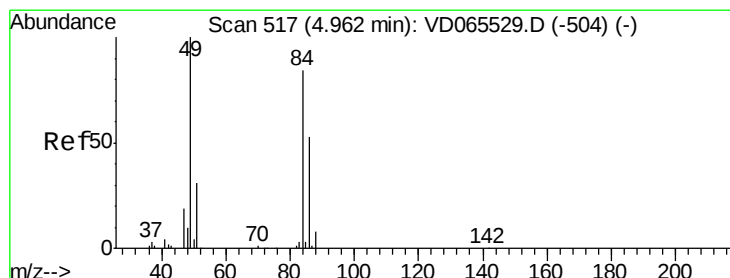
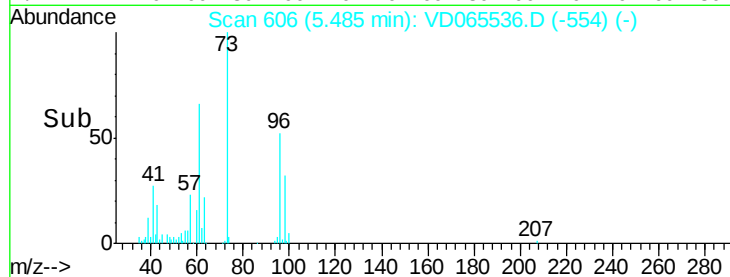
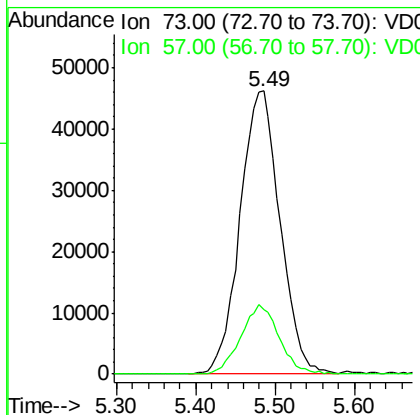
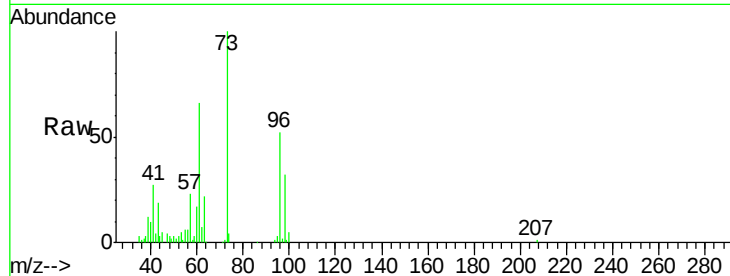
Methyl tert-butyl Ether
 Concen: 17.312 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.7	26.5

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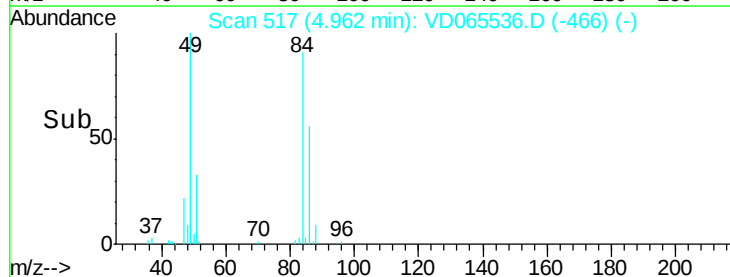
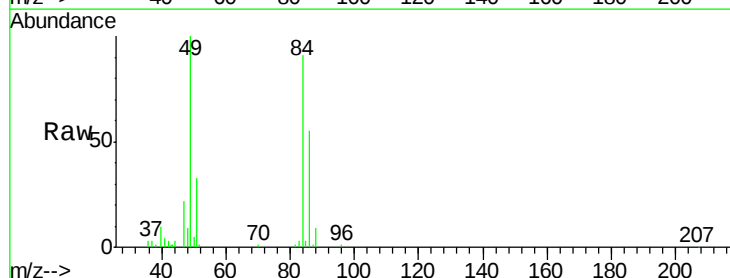
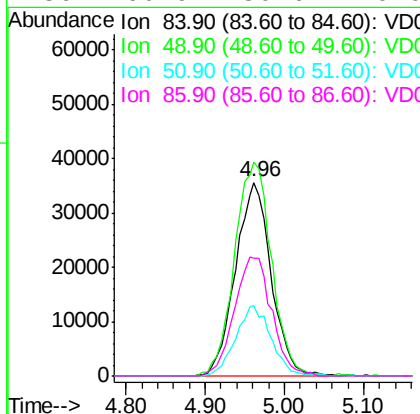
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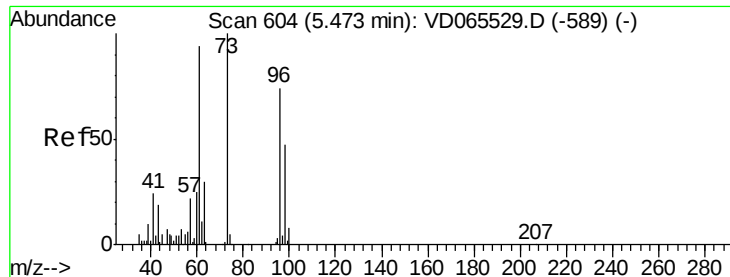


#20

Methylene Chloride
 Concen: 17.516 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.4	95.6	143.4
51	36.7	29.4	44.2
86	60.9	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 20.068 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

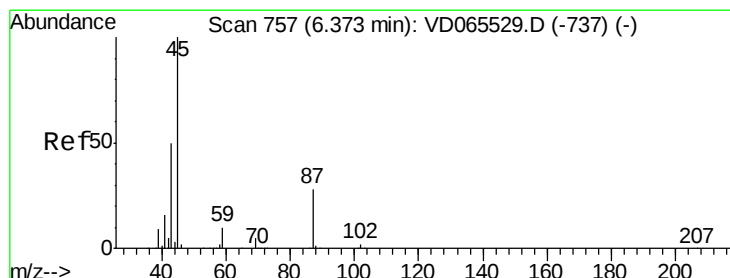
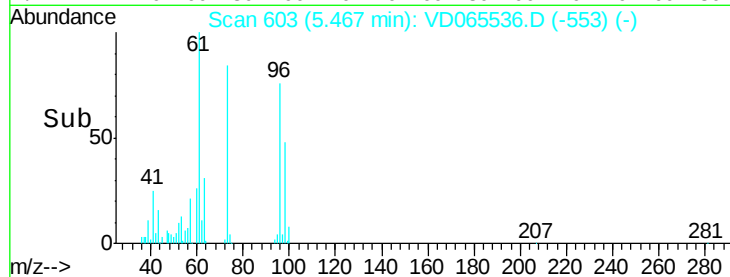
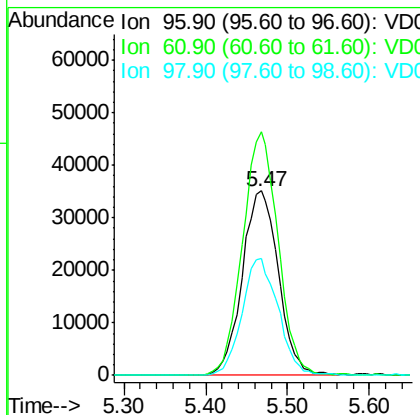
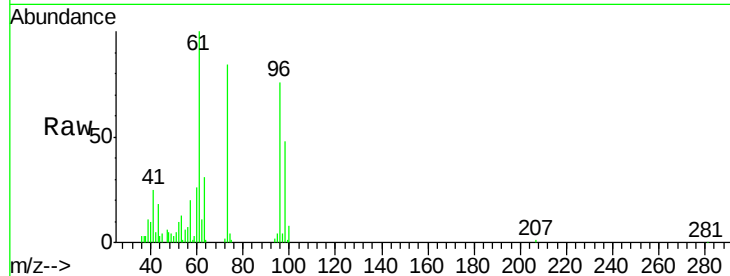
ClientSampleId :

VD0327SBS01

Tot Ion:	96	Resp:	108141
Ion Ratio	Lower	Upper	
96	100		
61	132.1	101.8	152.6
98	63.2	51.4	77.2

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#22

Diisopropyl ether

Concen: 19.293 ug/l

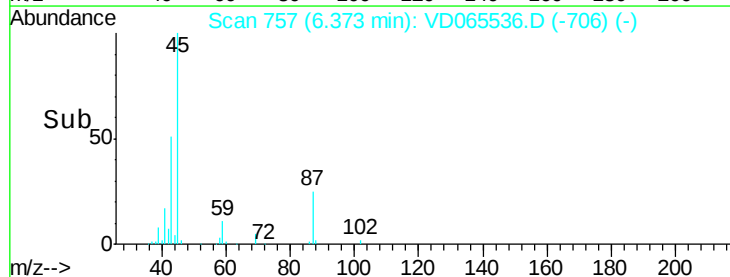
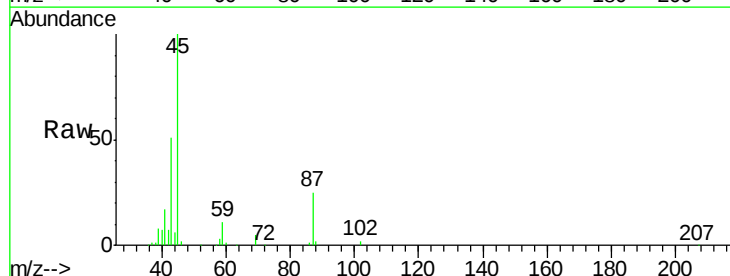
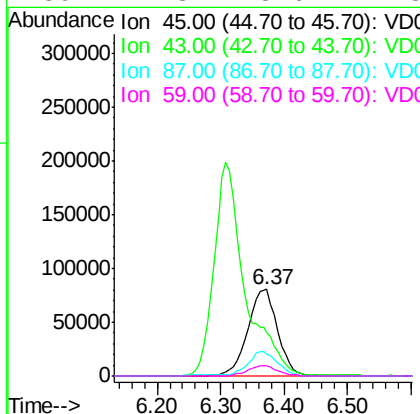
RT: 6.37 min Scan# 757

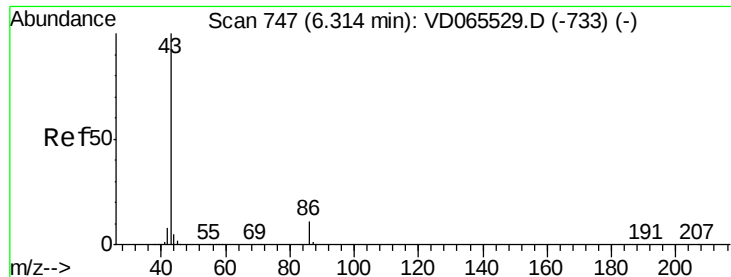
Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	45	Resp:	266623
Ion Ratio	Lower	Upper	
45	100		
43	49.6	40.5	60.7
87	25.3	22.5	33.7
59	11.3	8.6	12.8





#23

Vinyl Acetate

Concen: 90.116 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 43 Resp: 678348

Ion Ratio Lower Upper

43 100

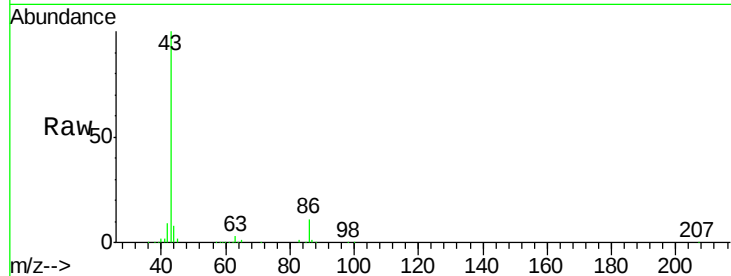
86 10.8 9.0 13.4

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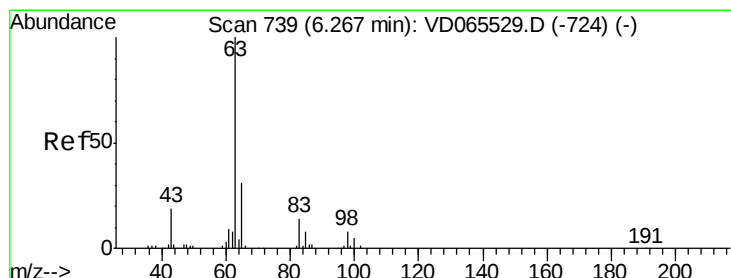
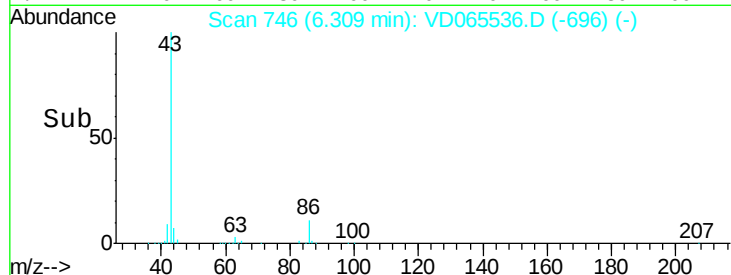
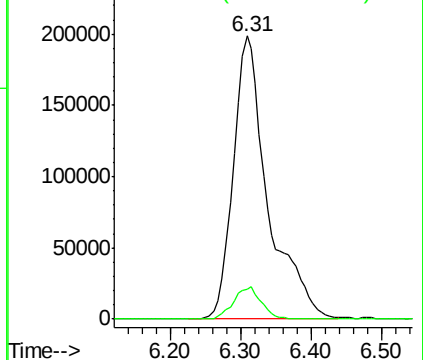
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.983 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

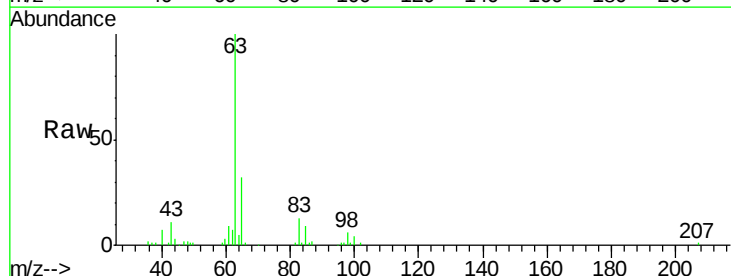
Tgt Ion: 63 Resp: 175118

Ion Ratio Lower Upper

63 100

98 6.5 4.2 12.6

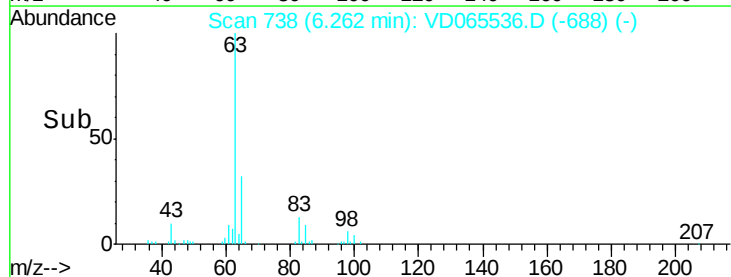
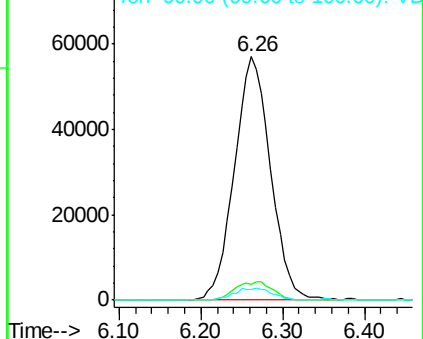
100 4.4 2.5 7.4

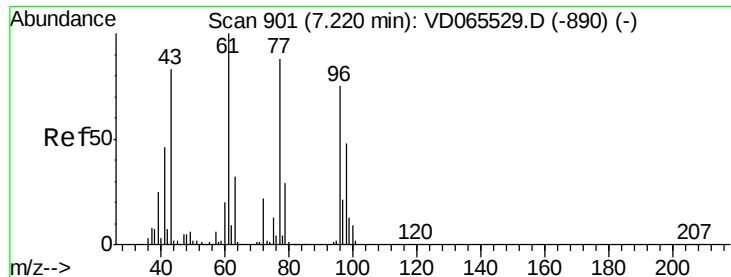


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.939 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 43 Resp: 102856

Ion Ratio Lower Upper

43 100

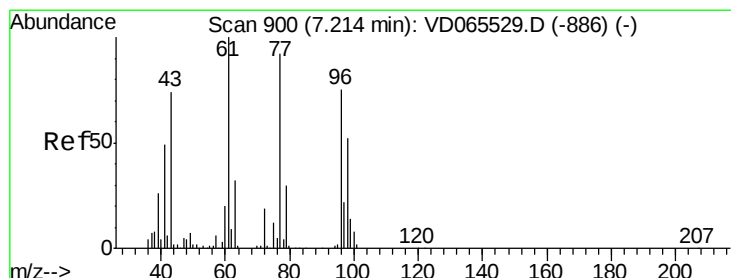
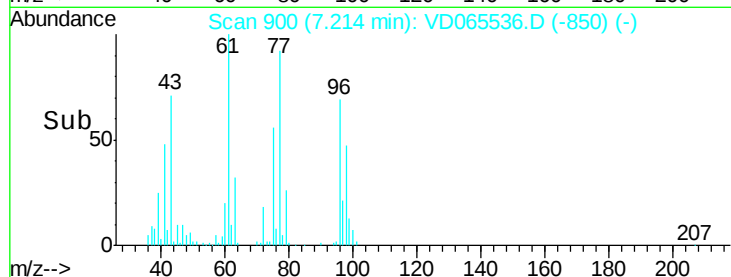
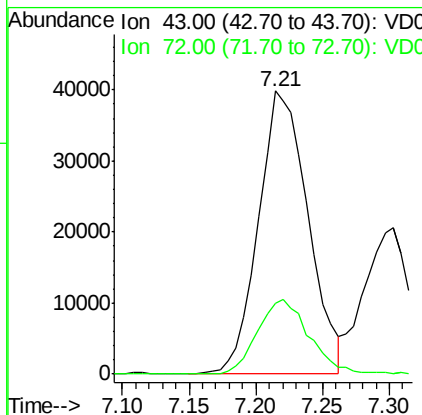
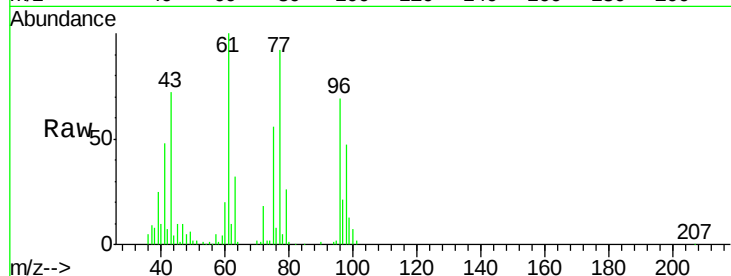
72 25.0 21.5 32.3

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3/30/2020 2:54:57 PM



#26

2,2-Dichloropropane

Concen: 20.349 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065536.D

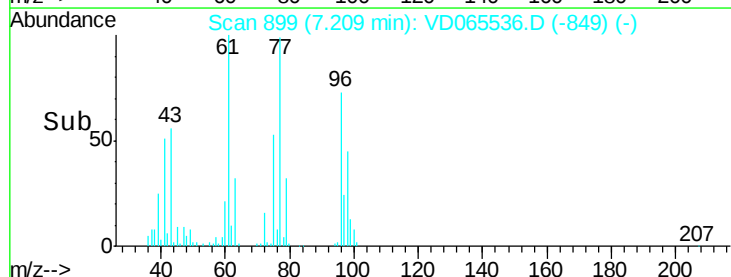
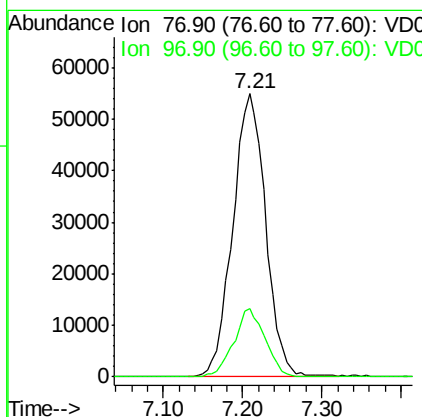
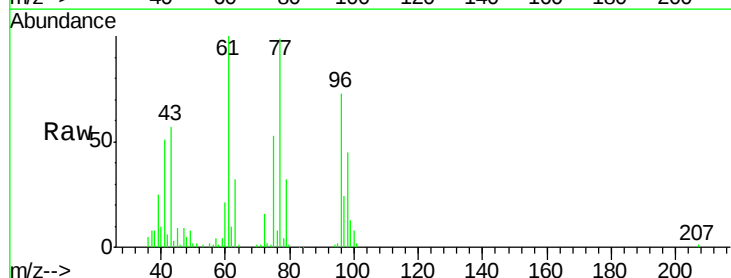
Acq: 27 Mar 2020 11:26

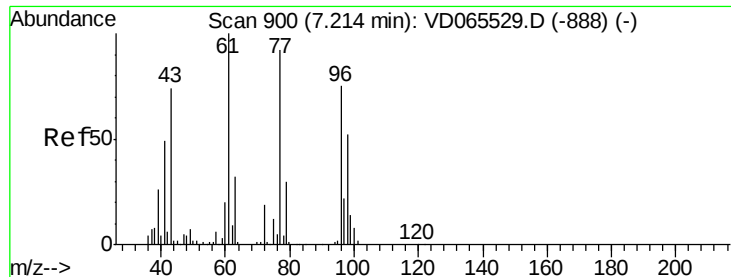
Tgt Ion: 77 Resp: 157913

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1





#27

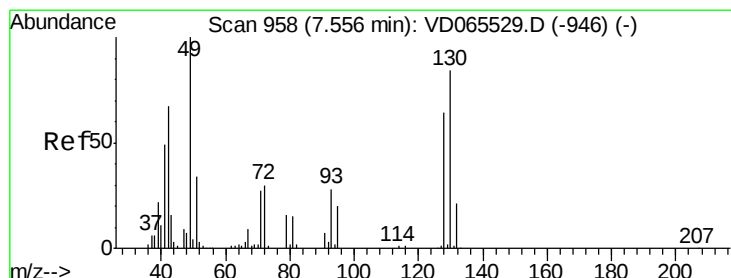
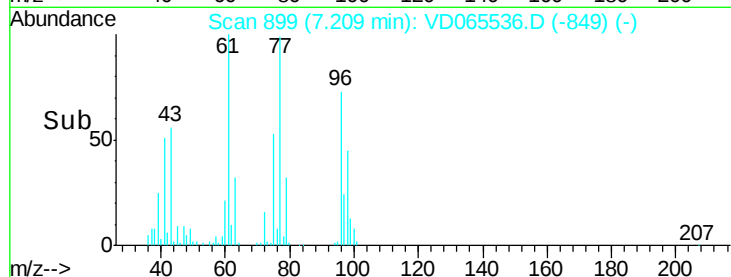
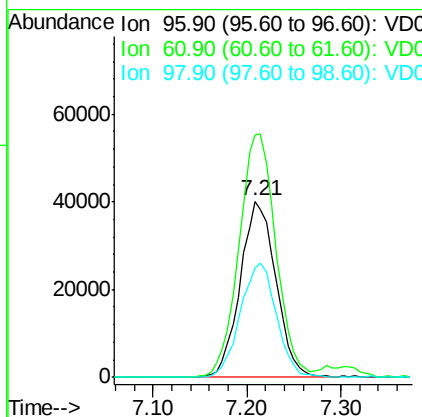
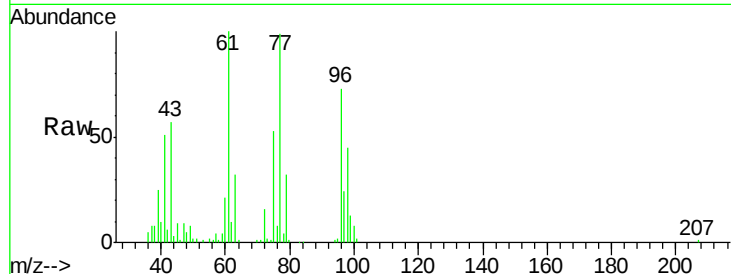
cis-1,2-Dichloroethene
 Concen: 18.951 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.2	0.0	278.0	
98	65.6	0.0	129.6	

Manual Integrations
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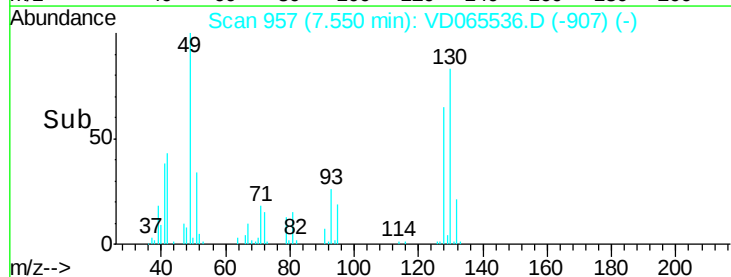
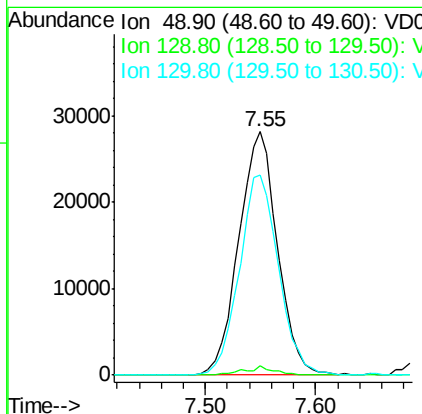
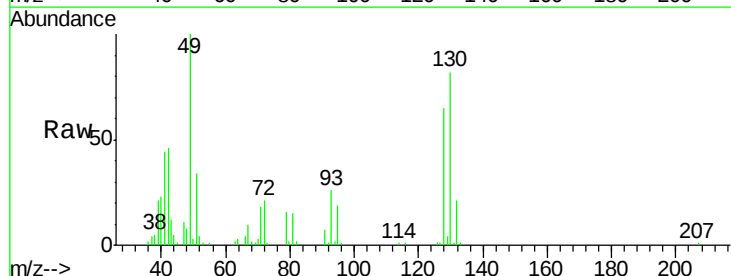
apatel
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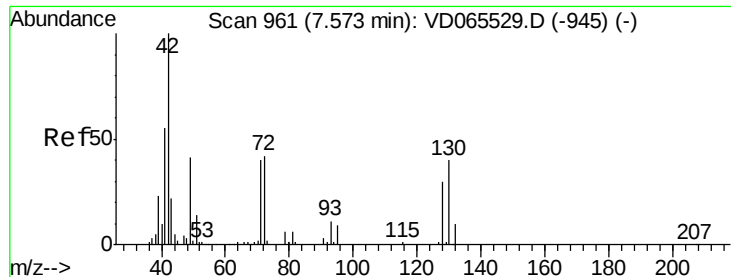


#28

Bromochloromethane
 Concen: 18.968 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	4.4	
130	83.5	69.7	104.5	





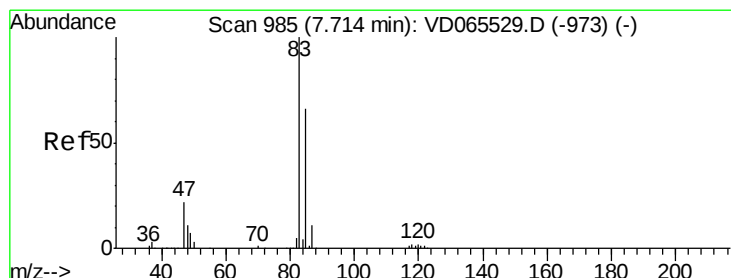
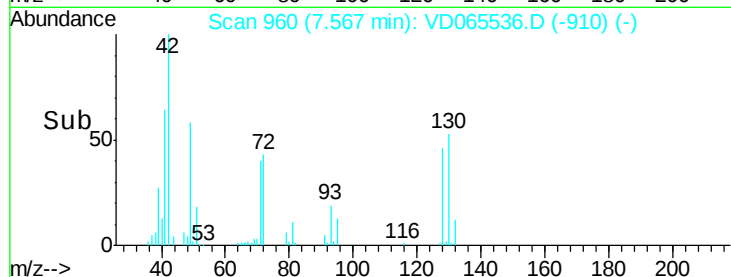
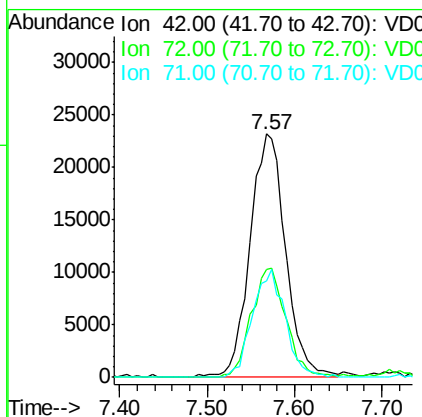
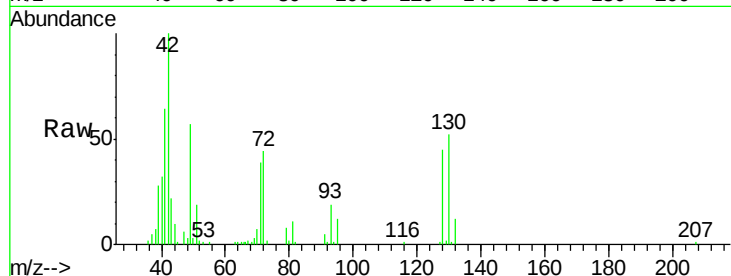
#29
Tetrahydrofuran
Concen: 85.866 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.6
71	40.9	33.0	49.6

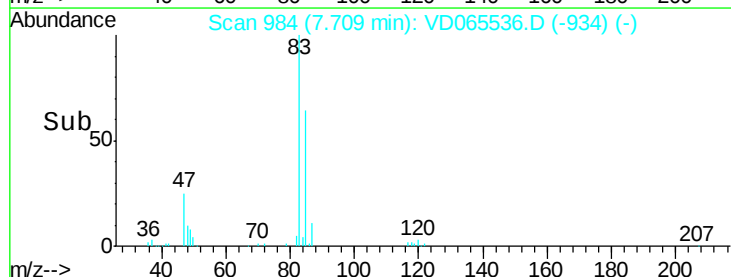
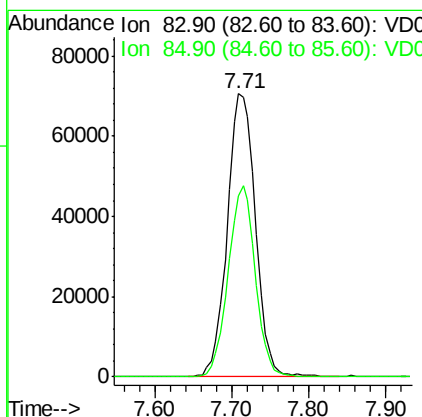
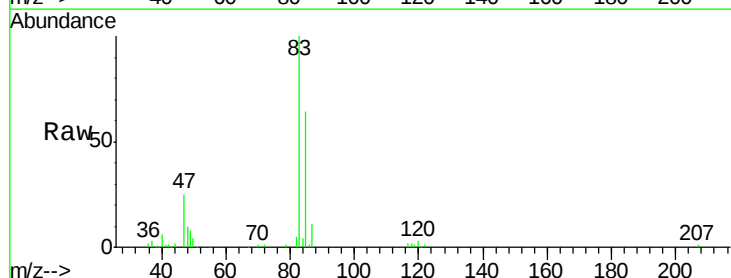
Manual Integrations
APPROVED

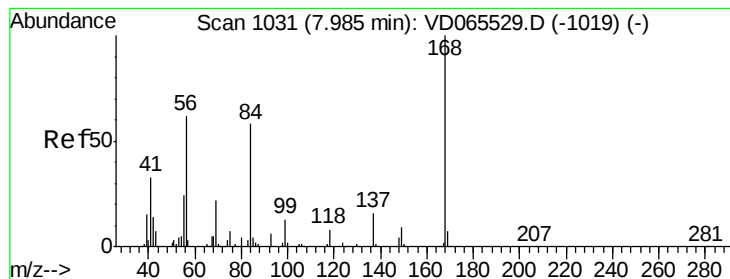
apatel
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#30
Chloroform
Concen: 19.874 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.9	79.3





#31

Cvclohexane

Concen: 19.563 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

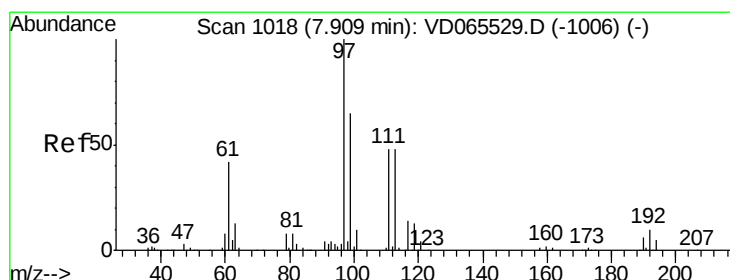
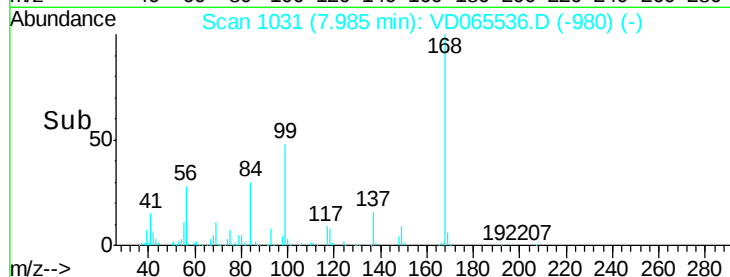
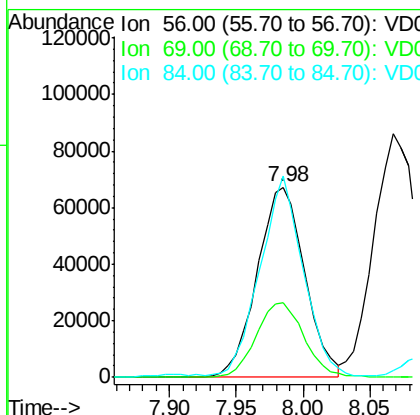
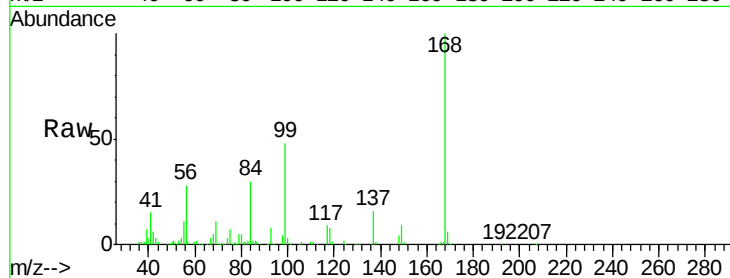
ClientSampleId :

VD0327SBS01

Tot Ion:	56	Resp:	165960
Ion	Ratio	Lower	Upper
56	100		
69	39.6	28.2	42.4
84	104.9	73.4	110.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.487 ug/l

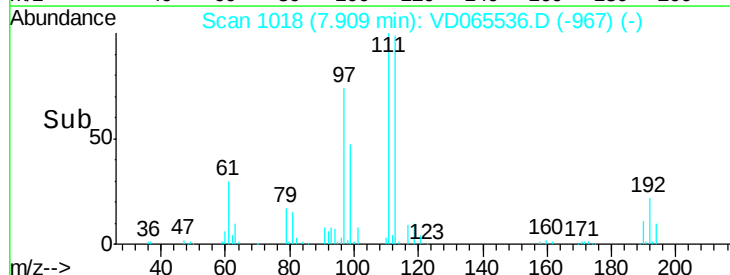
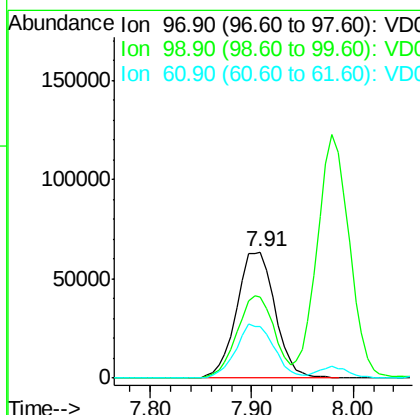
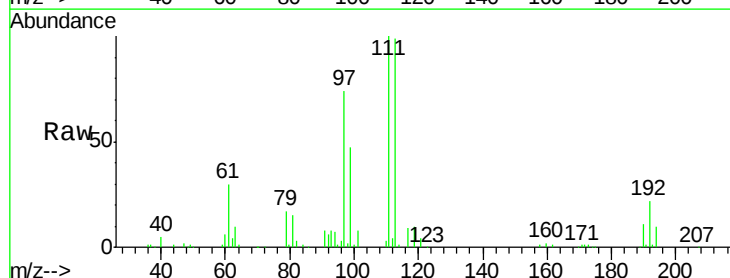
RT: 7.91 min Scan# 1018

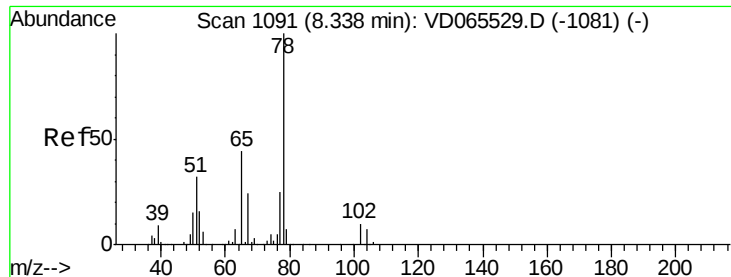
Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	97	Resp:	168014
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	42.1	33.4	50.2





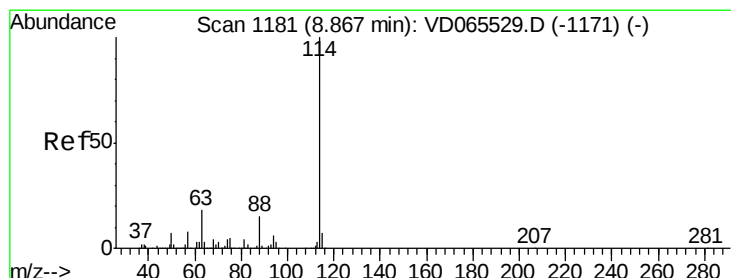
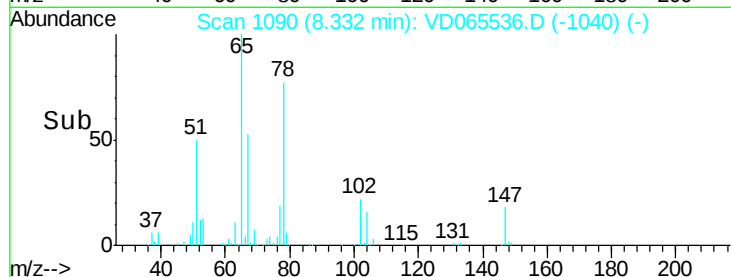
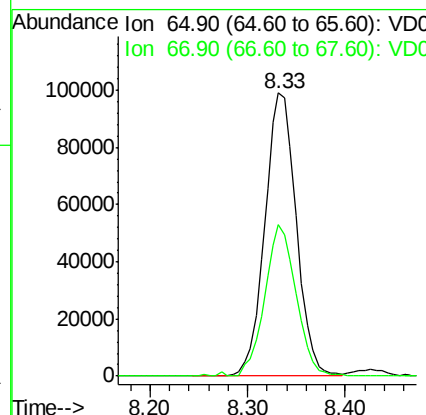
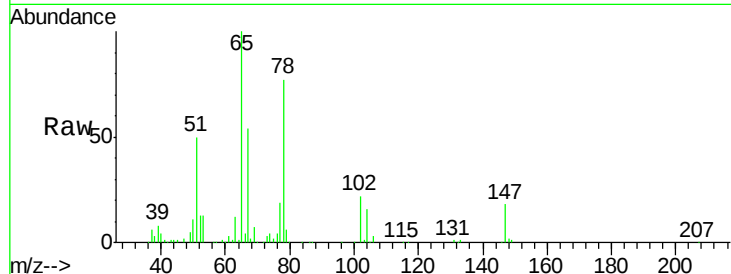
#33
 1,2-Dichloroethane-d4
 Concen: 49.679 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224203		
67	53.3	0.0	107.6	

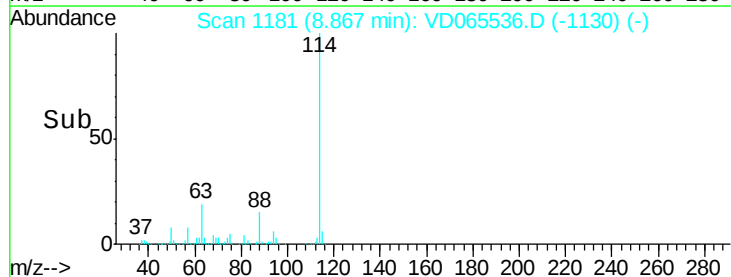
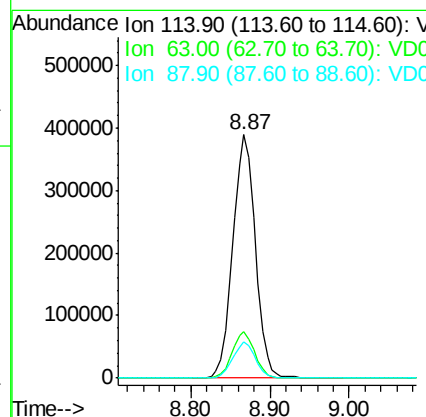
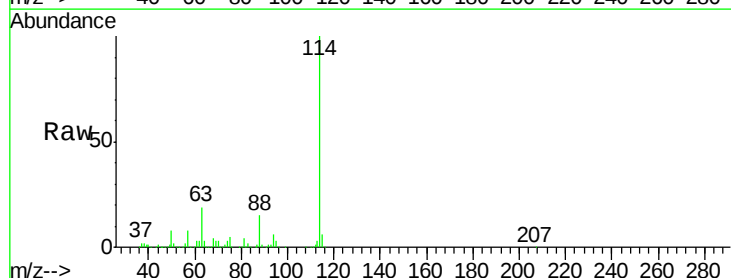
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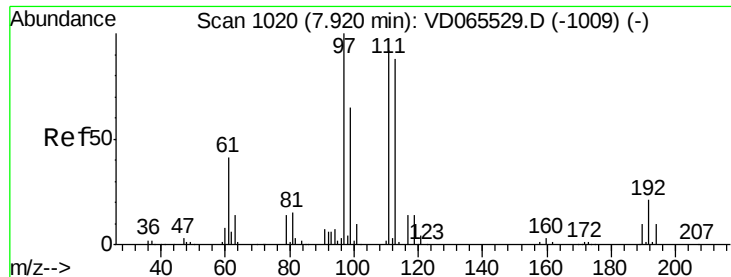
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	765530		
63	19.1	0.0	37.0	
88	14.9	0.0	30.4	





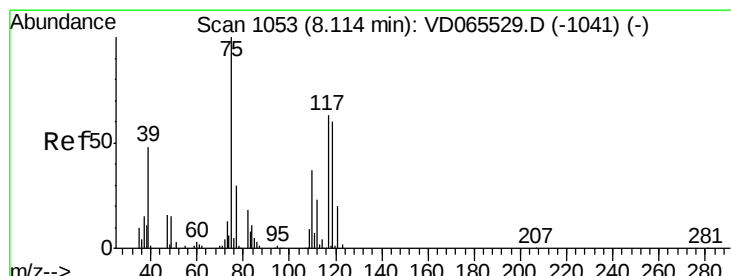
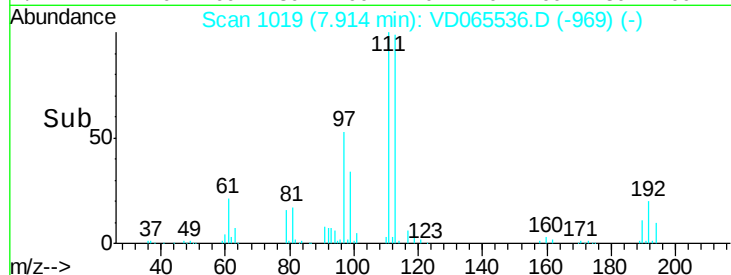
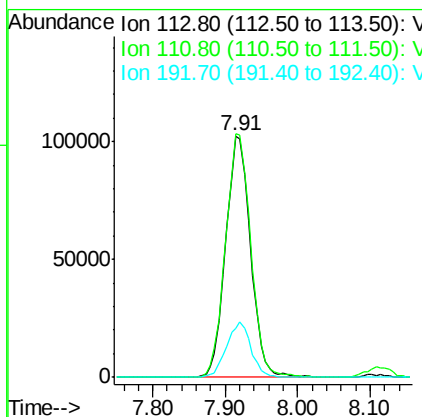
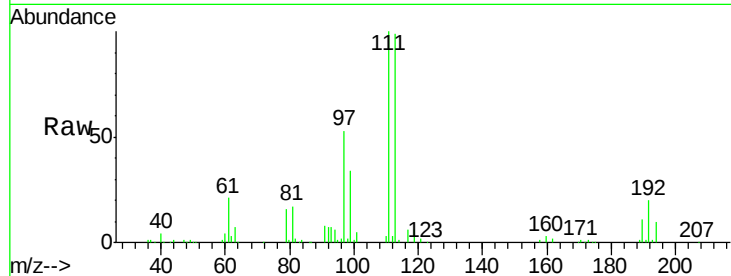
#35
Dibromofluoromethane
Concen: 51.807 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244800		
111	102.3	83.3	124.9	
192	22.5	18.5	27.7	

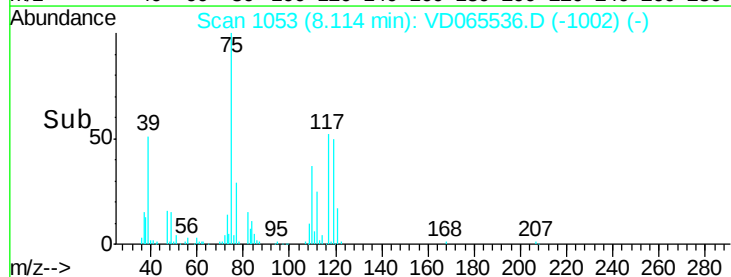
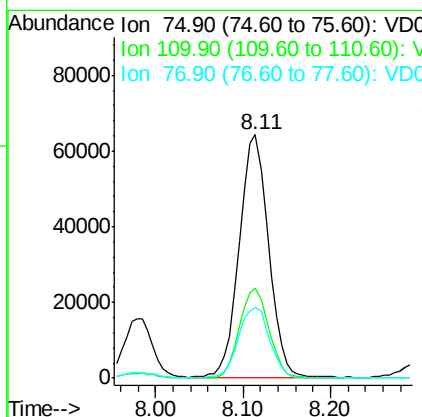
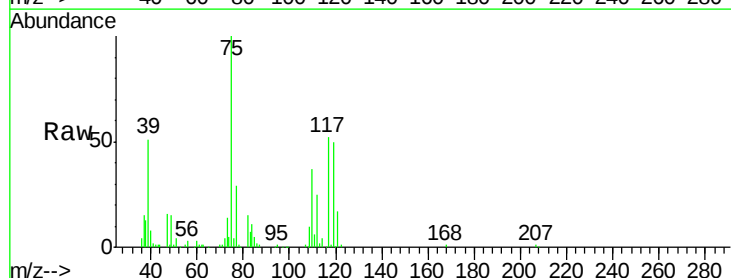
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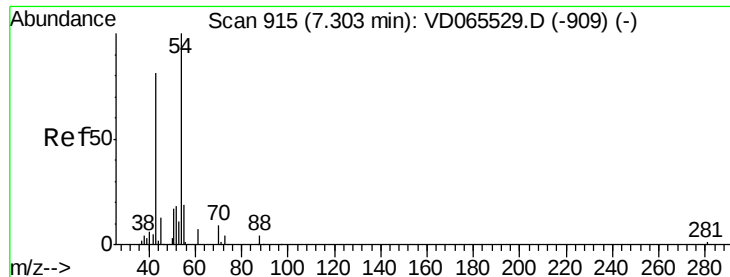
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3/30/2020 2:54:57 PM



#36
1,1-Dichloropropene
Concen: 21.014 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146977		
110	36.7	18.8	56.4	
77	30.9	25.1	37.7	





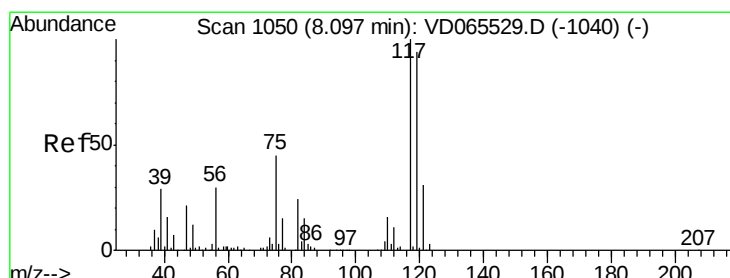
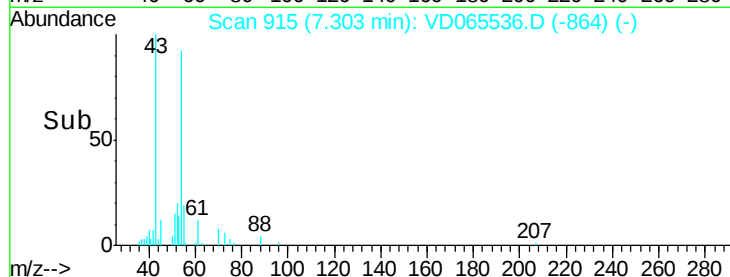
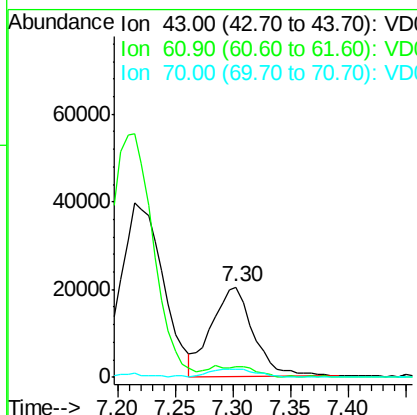
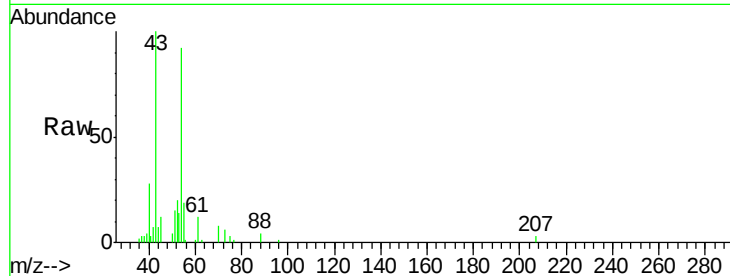
#37
Ethyl Acetate
Concen: 19.256 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	10.2	8.4	12.6

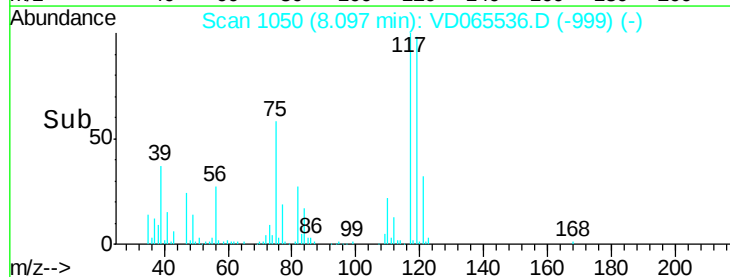
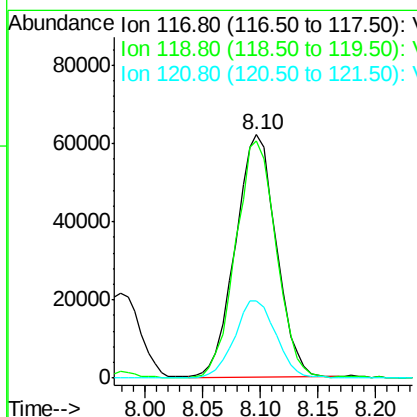
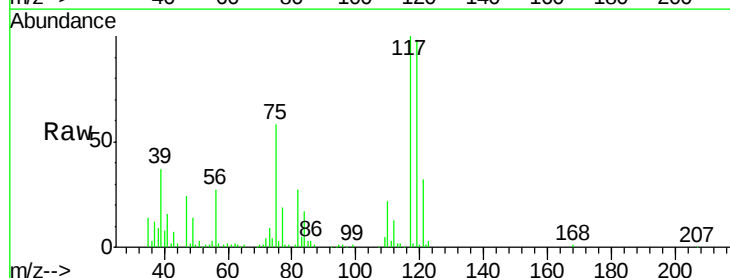
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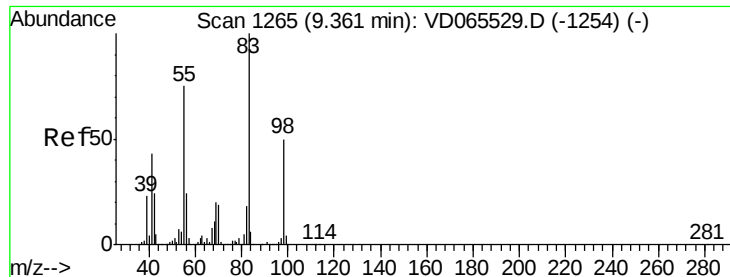
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#38
Carbon Tetrachloride
Concen: 20.710 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.2	112.8
121	31.7	24.5	36.7





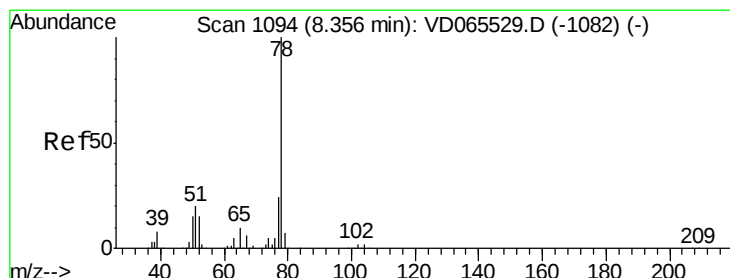
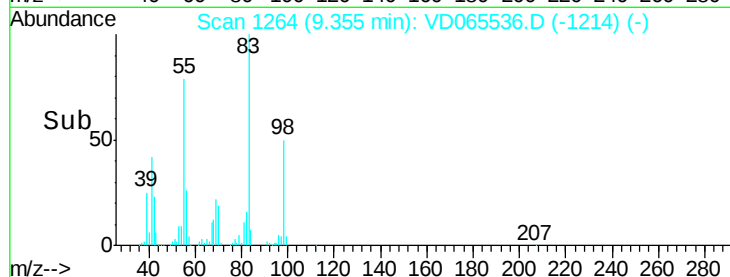
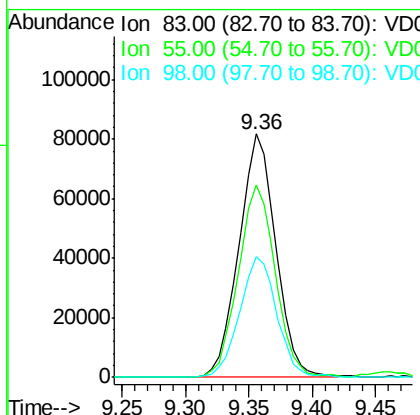
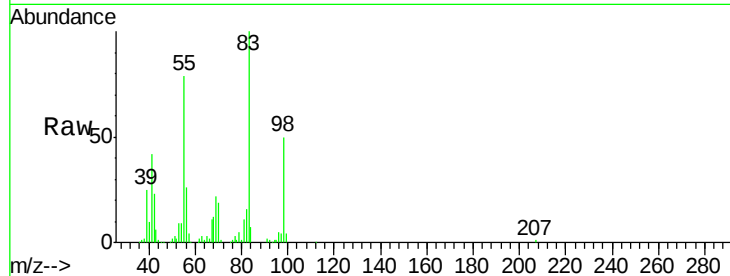
#39
Methvlcvclohexane
Concen: 20.051 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	83	Resp	165349
Ion Ratio	Lower	Upper	
83	100		
55	78.8	59.7	89.5
98	49.7	40.2	60.2

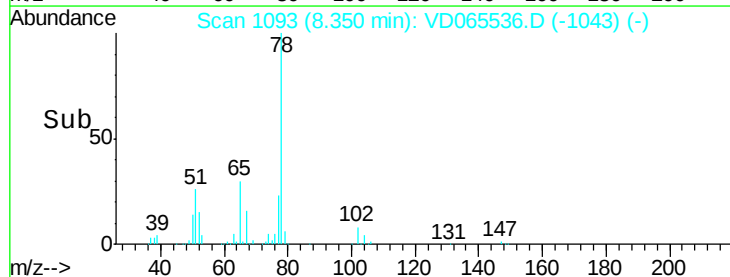
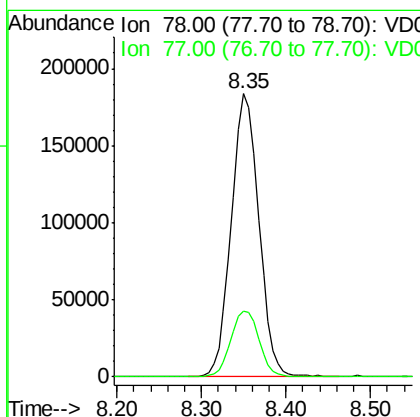
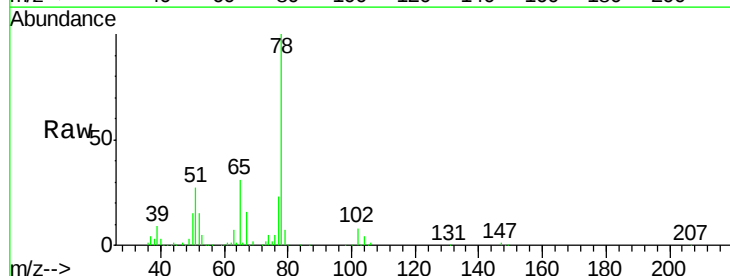
Manual Integrations
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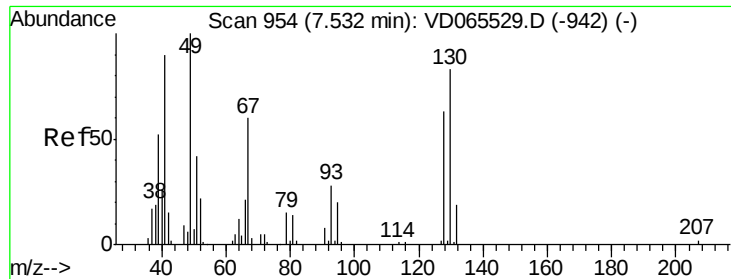
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#40
Benzene
Concen: 20.753 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	78	Resp	414190
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.1	28.7





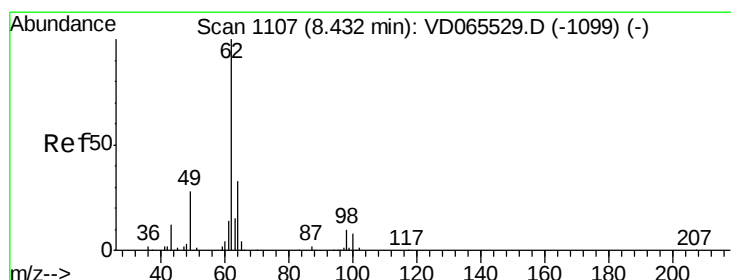
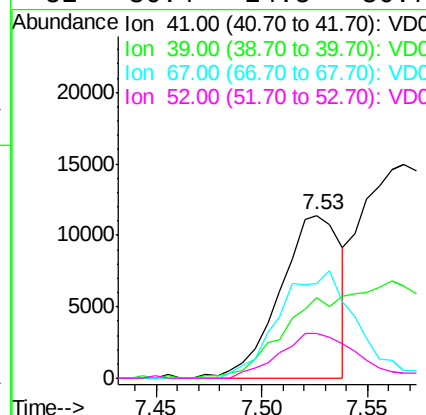
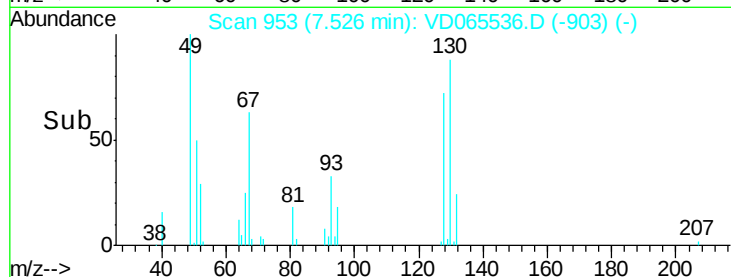
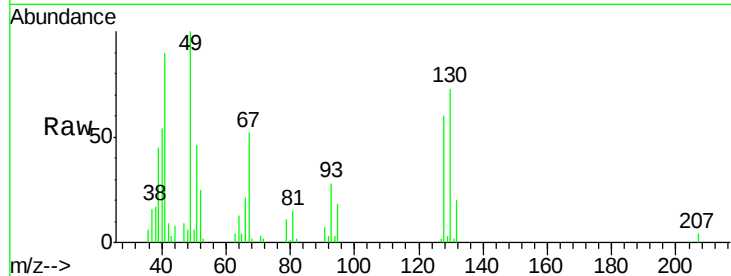
#41
Methacrylonitrile
Concen: 14.801 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.9	64.3#
67	83.4	60.5	90.7
52	36.4	24.5	36.7

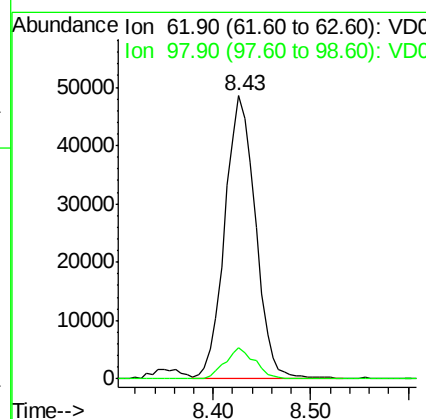
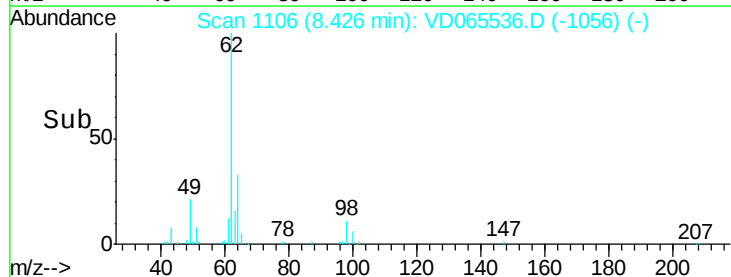
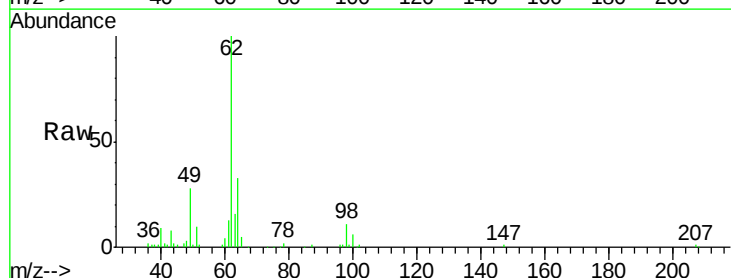
Manual Integrations
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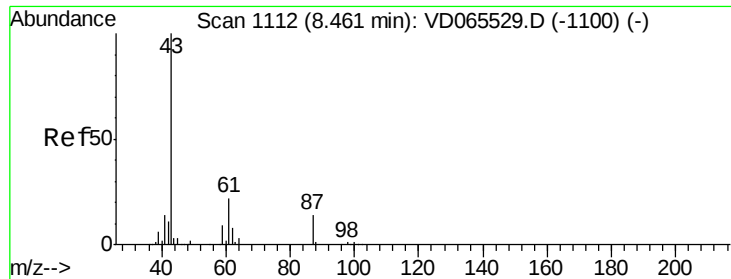
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#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.8





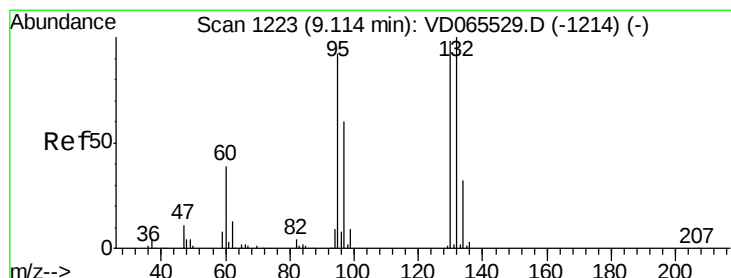
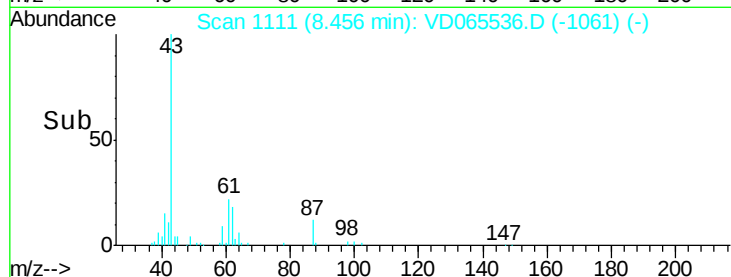
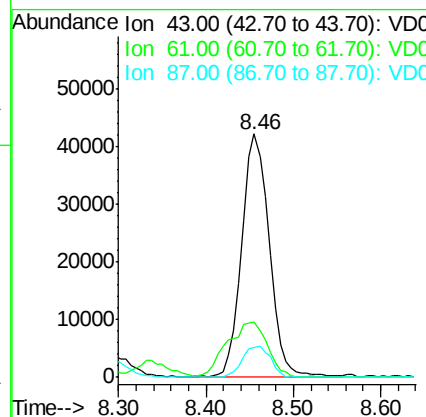
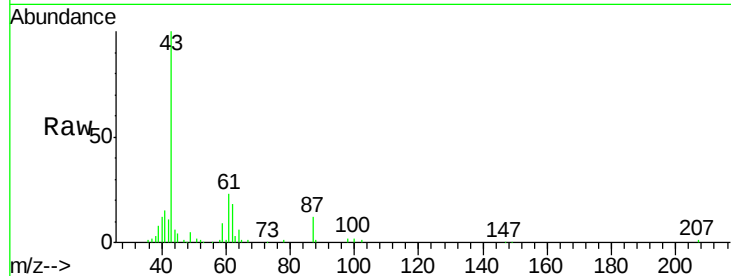
#43
Isopropyl Acetate
Concen: 18.581 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	25.0	37.4
87	13.0	11.0	16.4

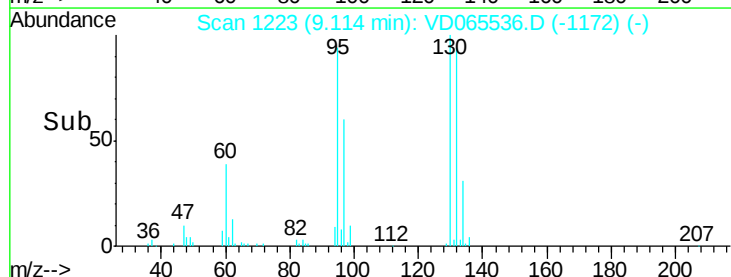
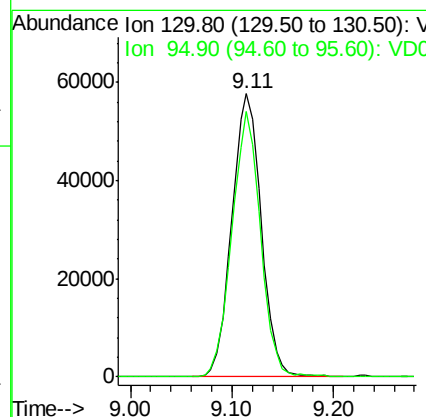
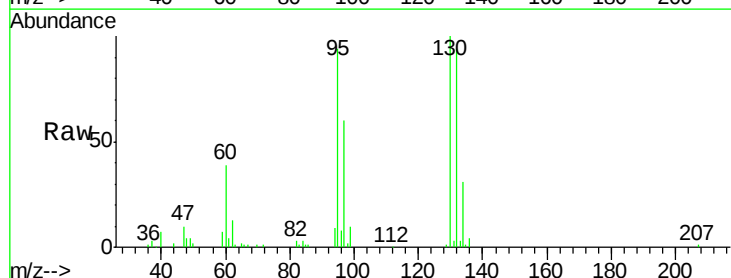
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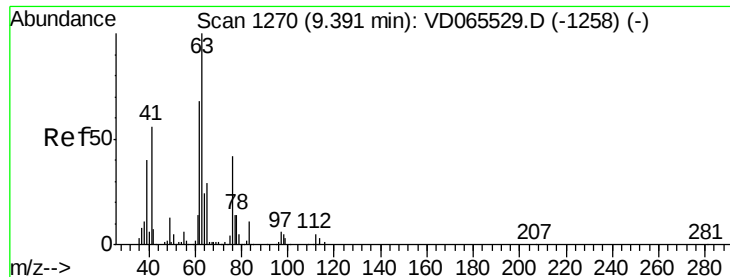
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#44
Trichloroethene
Concen: 20.016 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.899 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 63 Resp: 96475

Ion Ratio Lower Upper

63 100

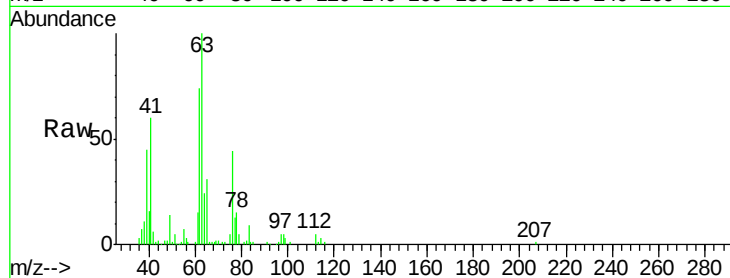
65 30.9 23.5 35.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

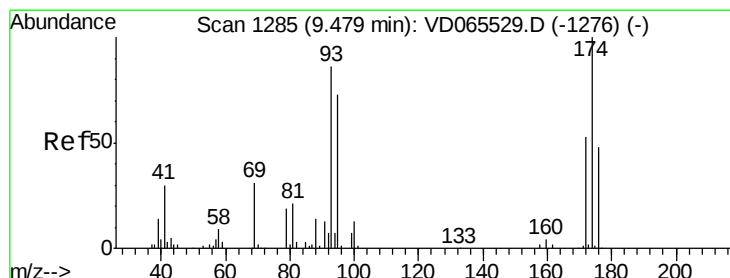
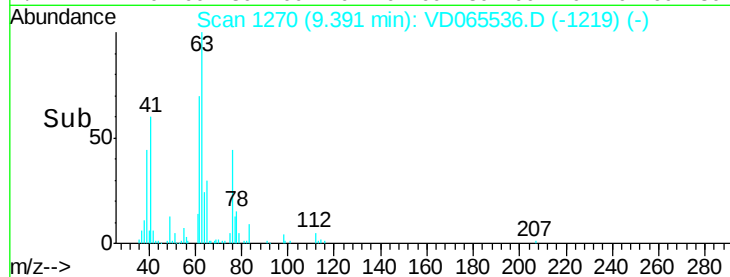
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 19.781 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

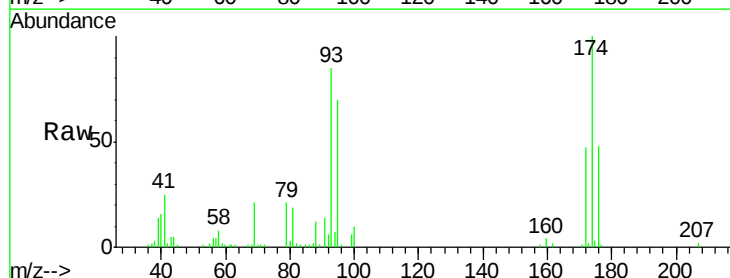
Tgt Ion: 93 Resp: 50323

Ion Ratio Lower Upper

93 100

95 83.3 67.3 100.9

174 116.7 92.5 138.7



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

40000

30000

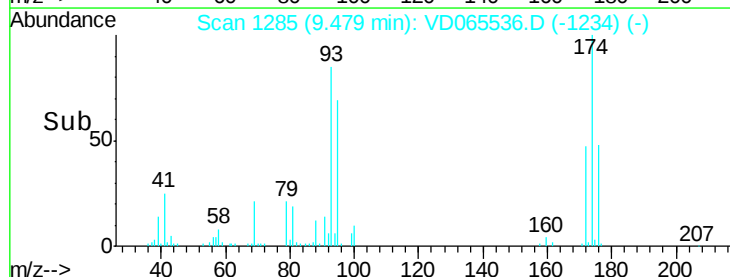
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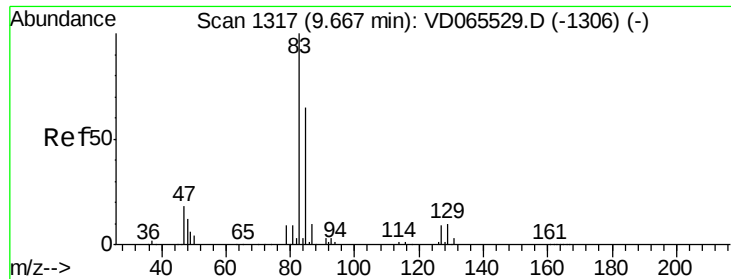
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 19.785 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

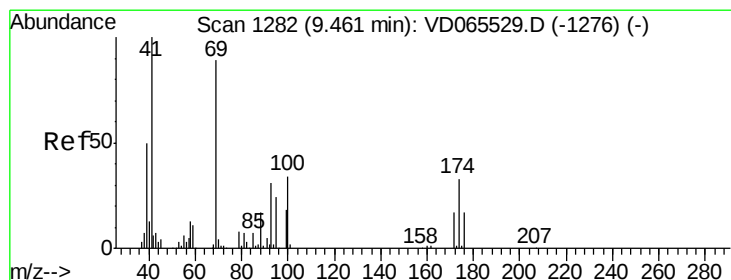
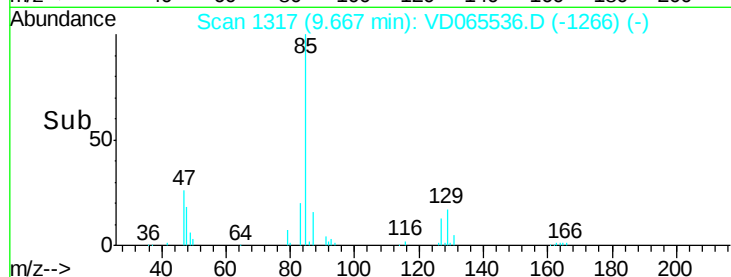
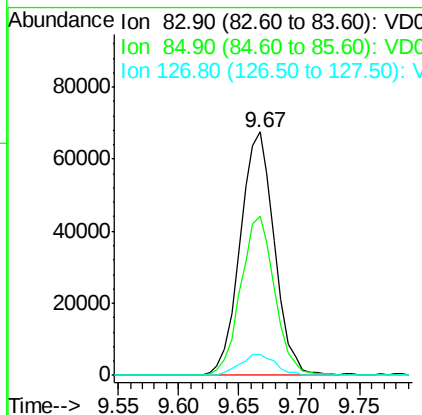
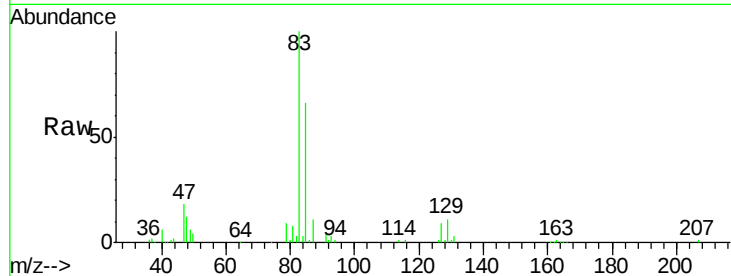
ClientSampleId :

VD0327SBS01

Tot Ion:	83	Resp:	133342
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.2
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.645 ug/l

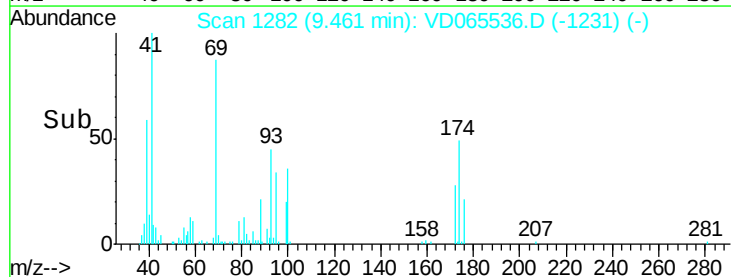
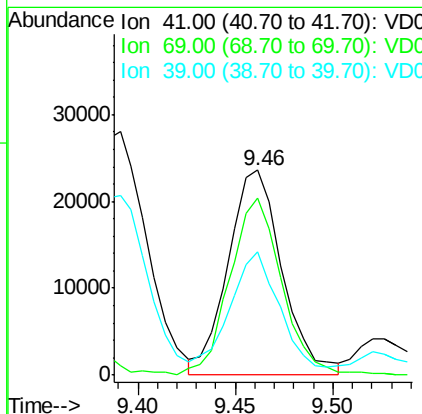
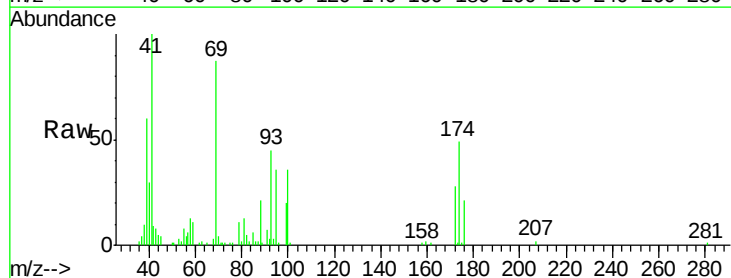
RT: 9.46 min Scan# 1282

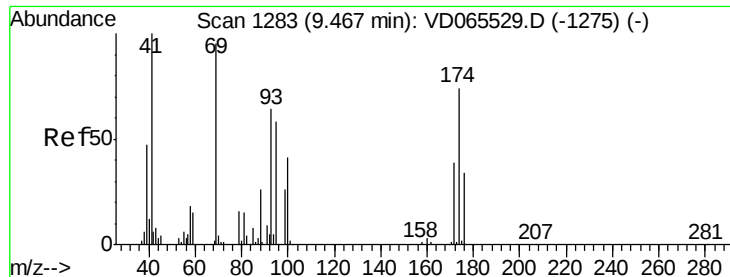
Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	41	Resp:	45415
Ion Ratio	Lower	Upper	
41	100		
69	83.2	71.8	107.6
39	48.9	42.2	63.4





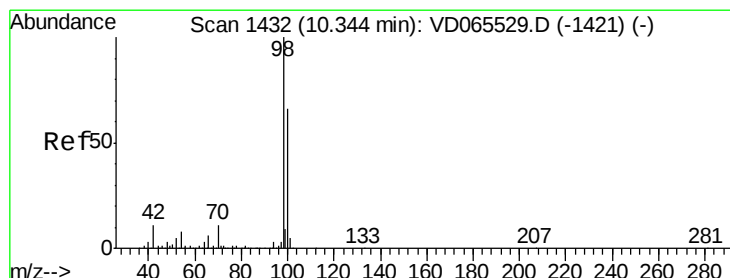
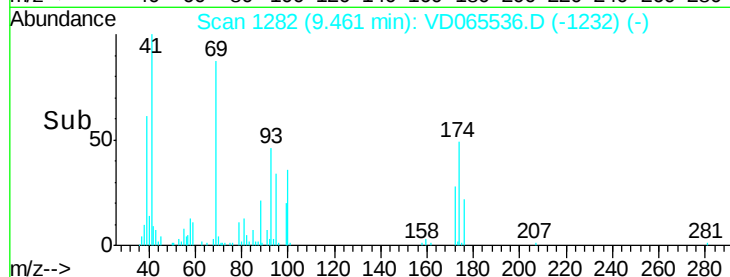
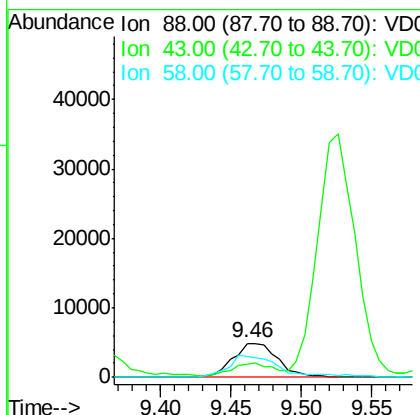
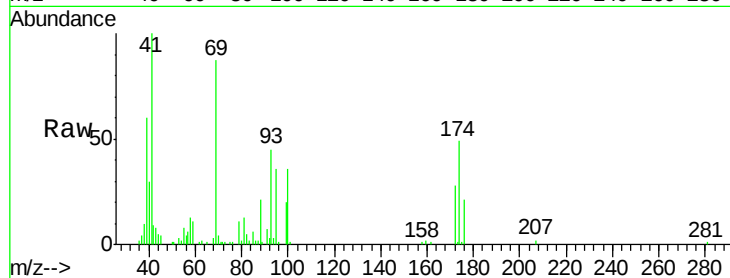
#49
1,4-Dioxane
Concen: 396.551 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	26.0	39.0
58	67.5	54.6	82.0

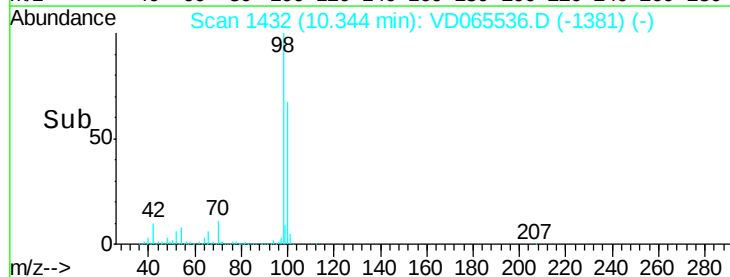
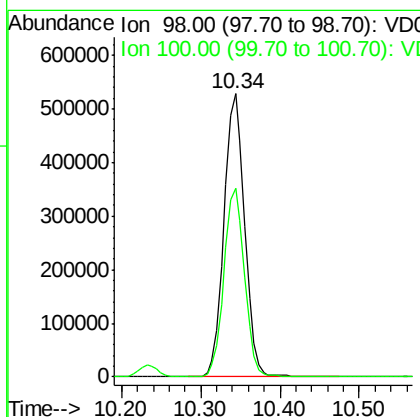
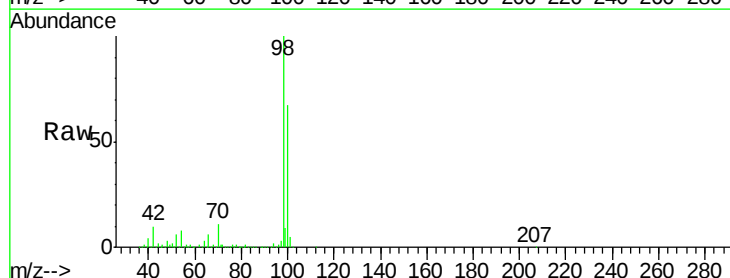
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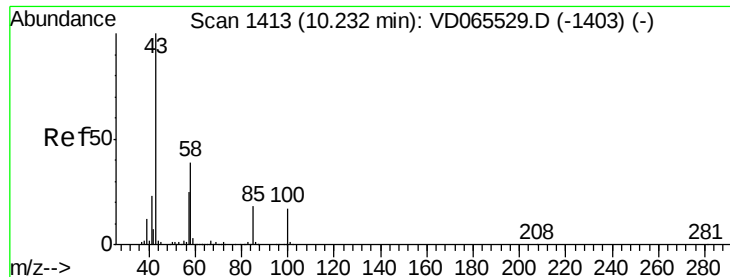
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#50
Toluene-d8
Concen: 53.771 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.2	78.2





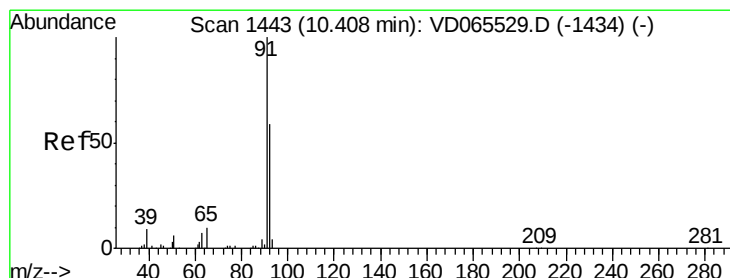
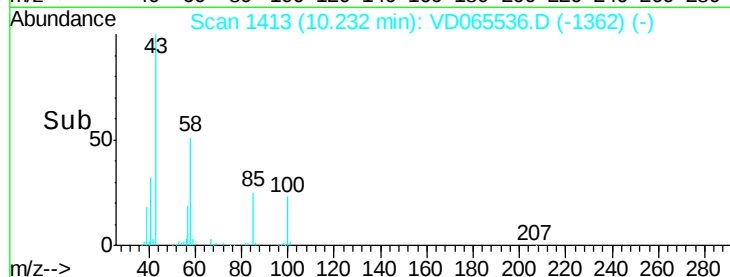
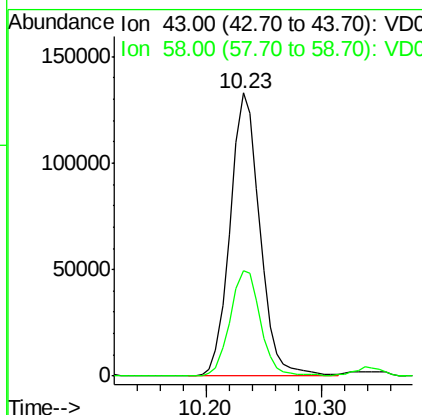
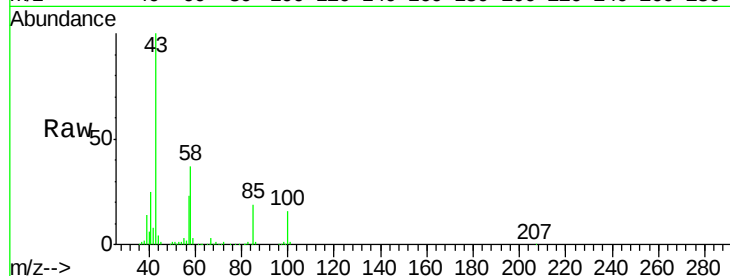
#51
4-Methyl-2-Pentanone
Concen: 97.090 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	43	Resp	238211
Ion Ratio	100	Lower	Upper
43	100		
58	38.0	31.4	47.2

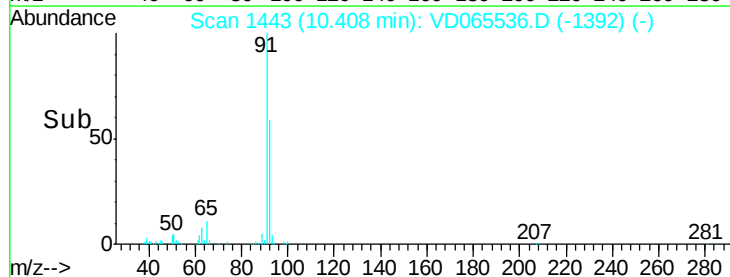
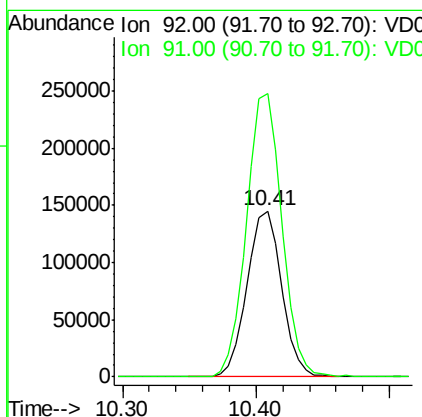
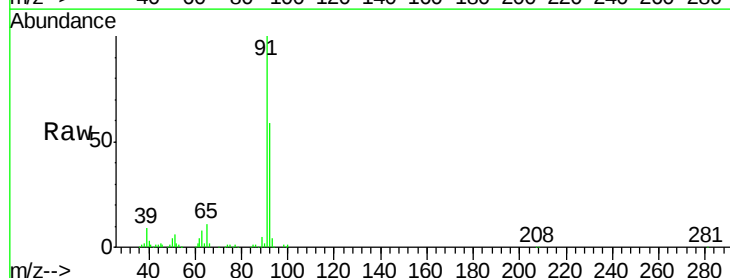
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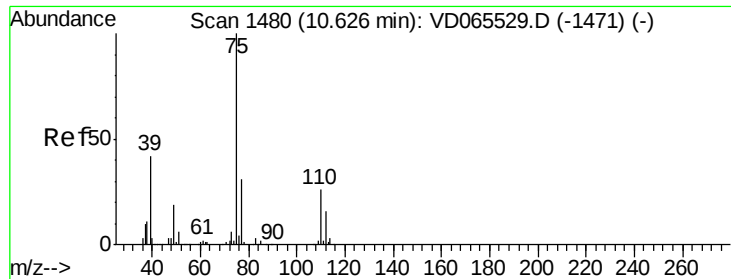
apatel
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#52
Toluene
Concen: 20.604 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	92	Resp	260433
Ion Ratio	100	Lower	Upper
92	100		
91	174.3	137.3	205.9





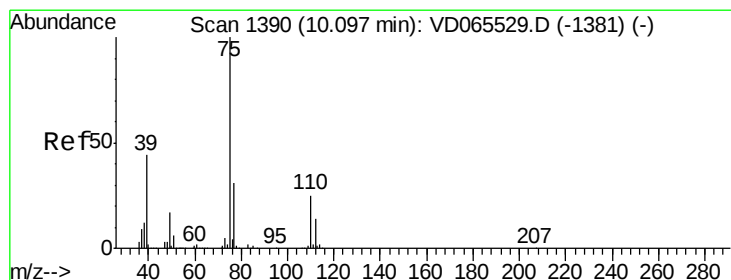
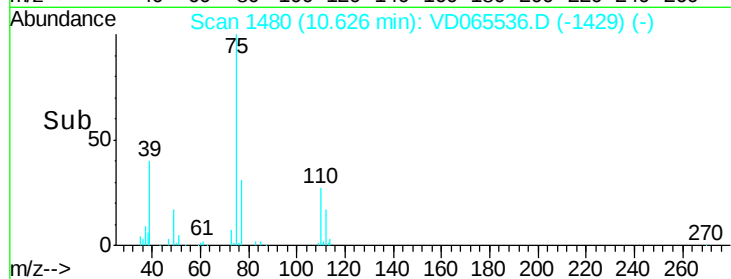
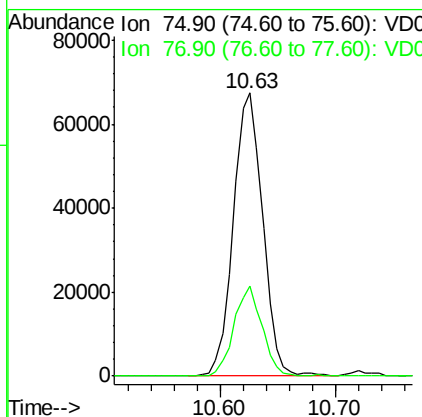
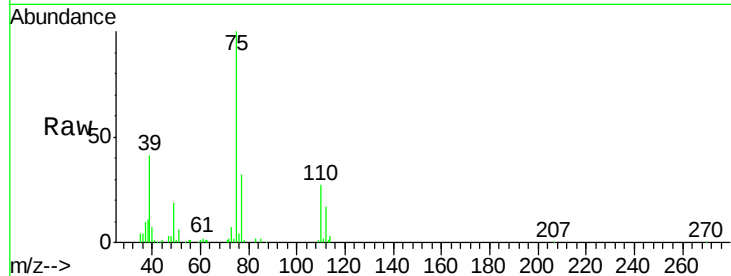
#53
 t-1,3-Dichloropropene
 Concen: 19.330 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8

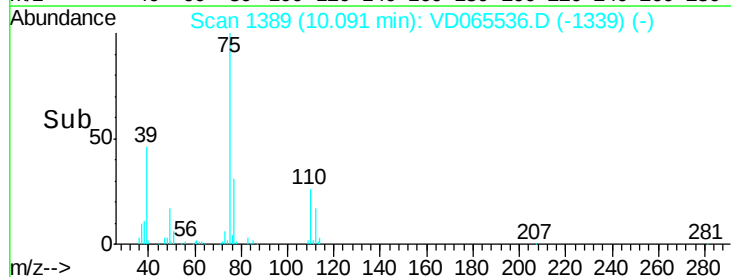
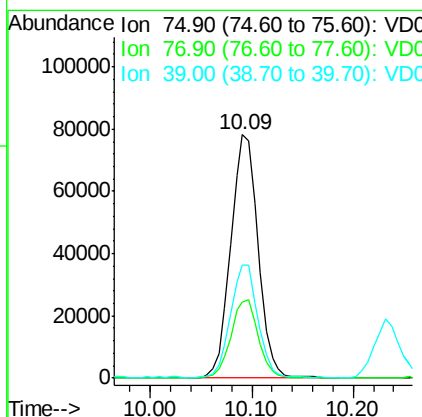
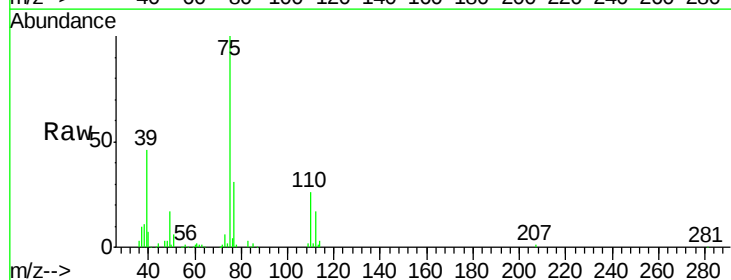
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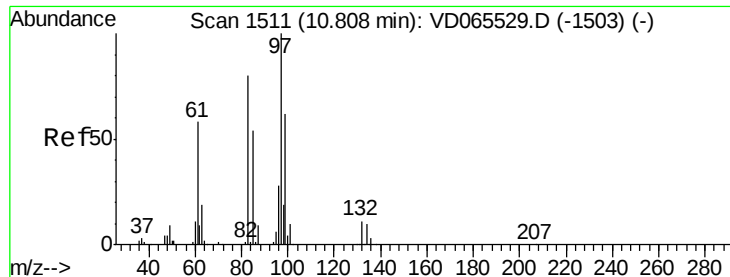
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#54
 cis-1,3-Dichloropropene
 Concen: 19.440 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	46.4	35.4	53.2





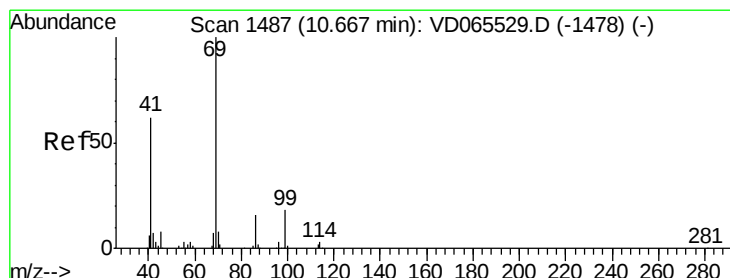
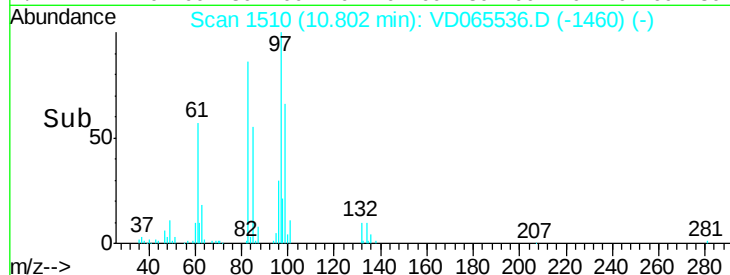
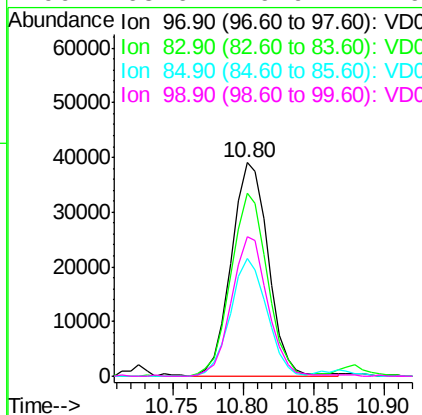
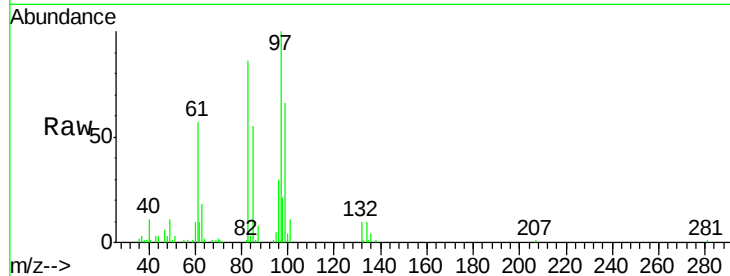
#55
 1,1,2-Trichloroethane
 Concen: 19.702 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion:	97	Resp:	71501
Ion	Ratio	Lower	Upper
97	100		
83	85.8	63.8	95.6
85	55.2	42.9	64.3
99	65.6	49.9	74.9

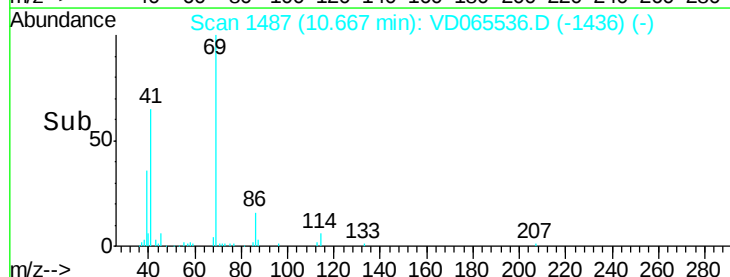
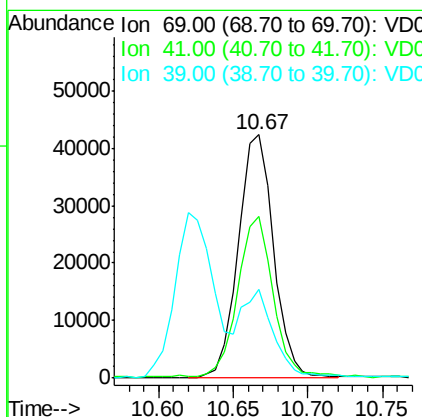
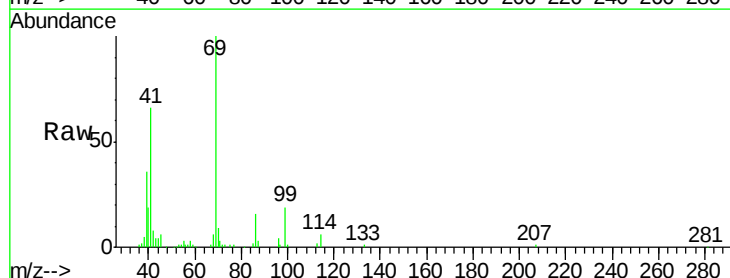
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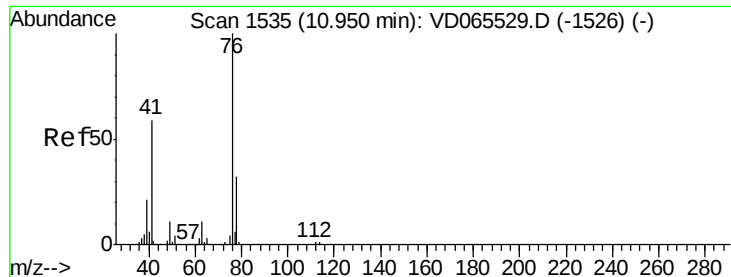
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#56
 Ethyl methacrylate
 Concen: 18.028 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion:	69	Resp:	69909
Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.3	76.9
39	32.4	25.3	37.9





#57

1,3-Dichloropropane

Concen: 19.331 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 76 Resp: 118056

Ion Ratio Lower Upper

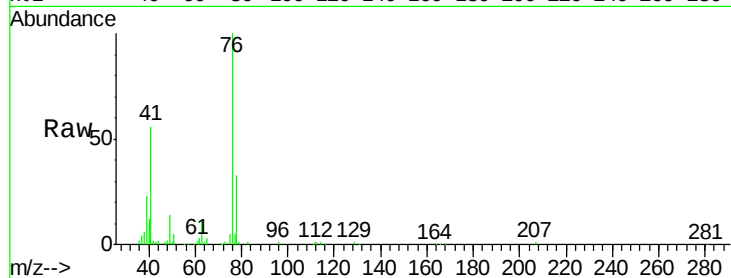
76 100

78 32.8 25.7 38.5

Manual Integrations
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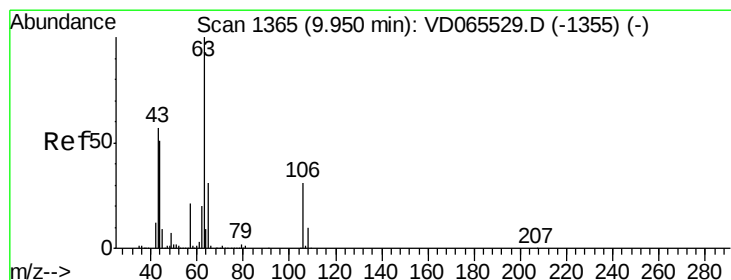
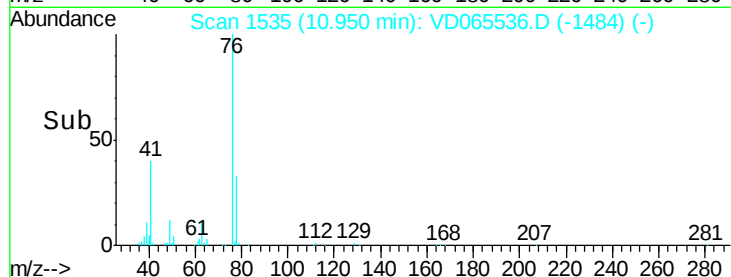
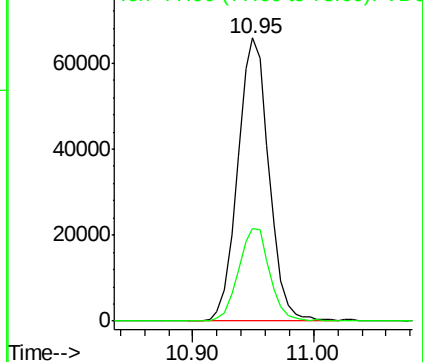
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.237 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065536.D

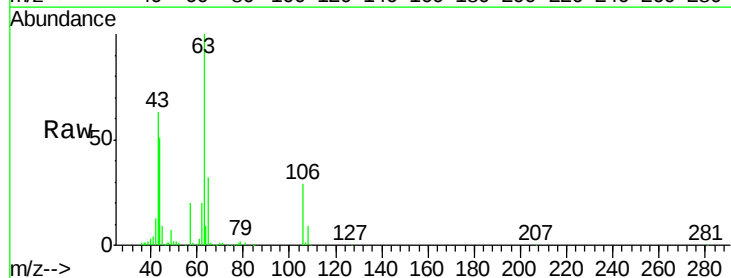
Acq: 27 Mar 2020 11:26

Tgt Ion: 63 Resp: 196134

Ion Ratio Lower Upper

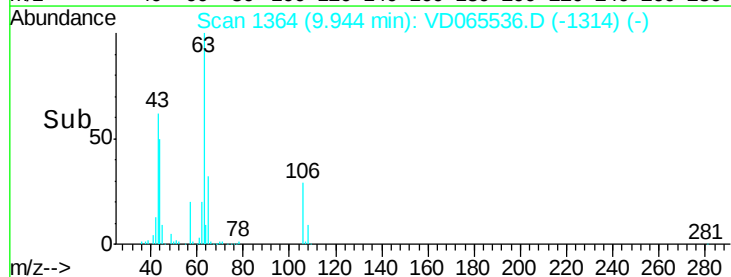
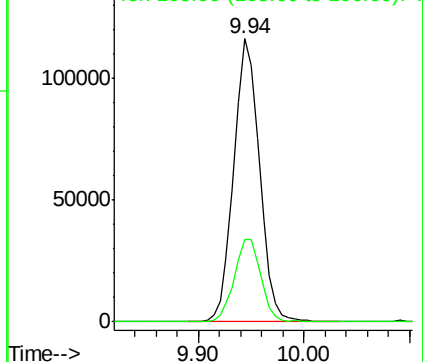
63 100

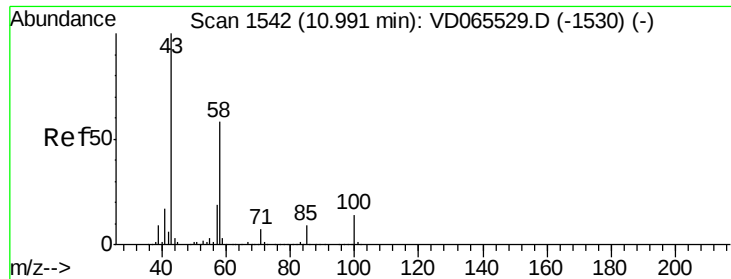
106 30.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





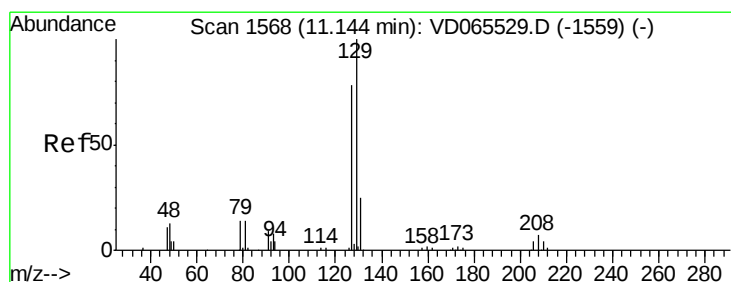
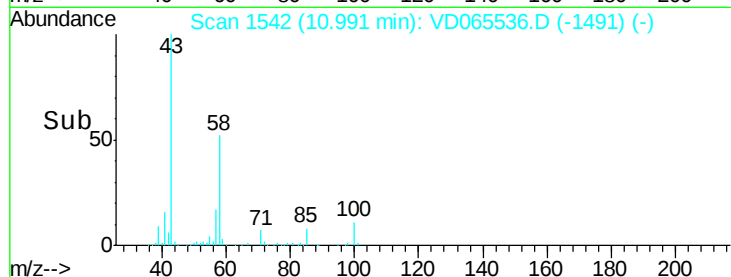
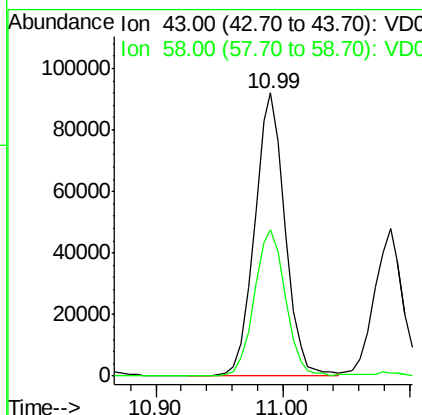
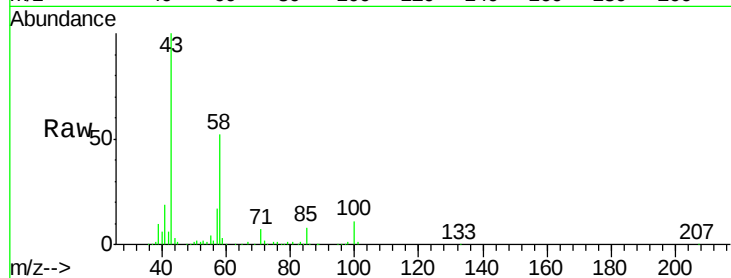
#59
2-Hexanone
Concen: 92.034 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 43 Resp: 153960
Ion Ratio Lower Upper
43 100
58 53.3 27.9 83.7

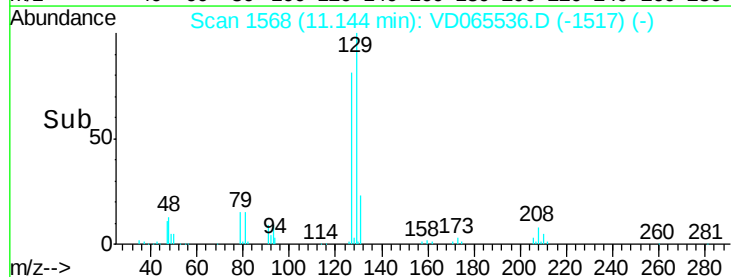
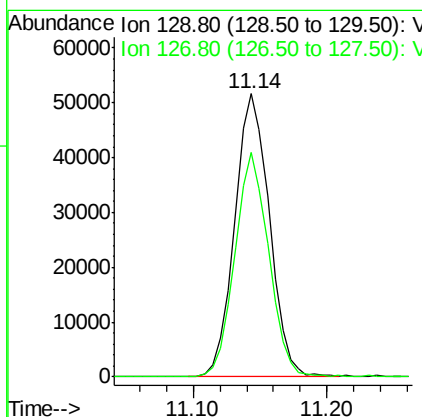
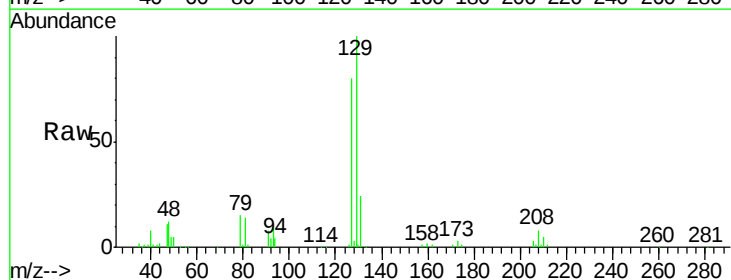
Manual Integrations
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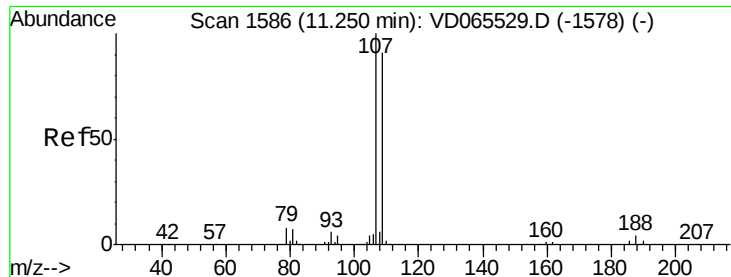
apatel
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#60
Dibromochloromethane
Concen: 19.389 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 129 Resp: 93247
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





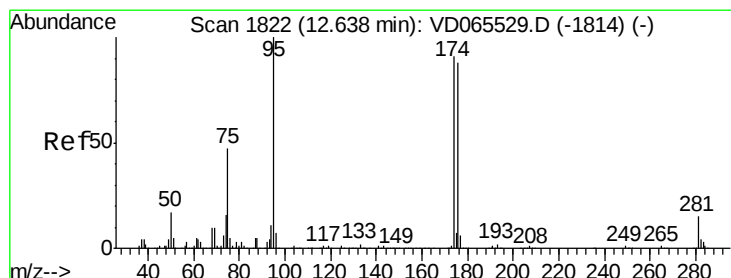
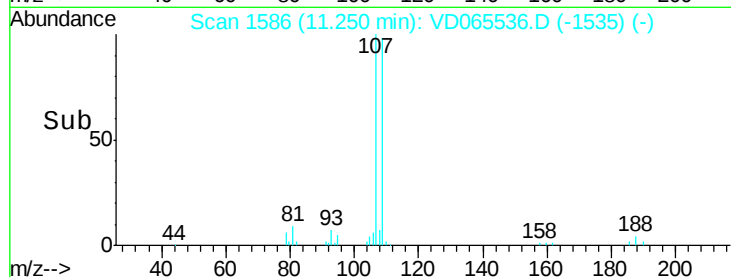
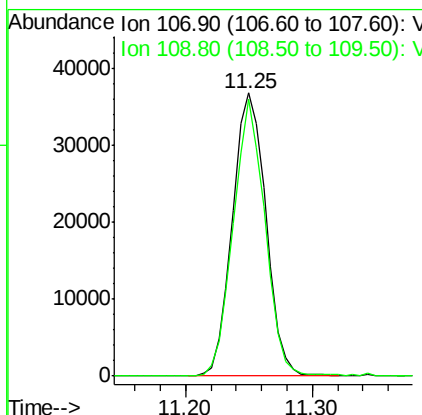
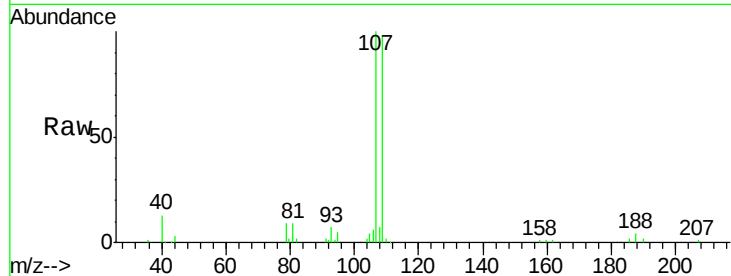
#61
 1,2-Dibromoethane
 Concen: 19.110 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.9	112.3

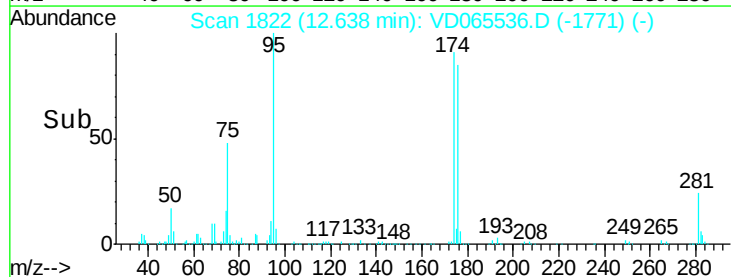
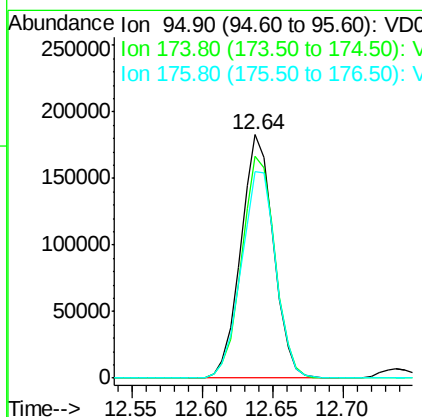
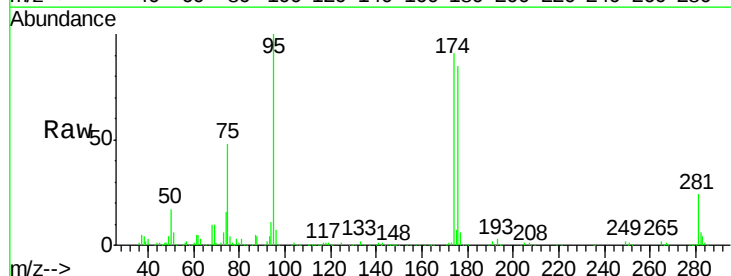
Manual Integrations
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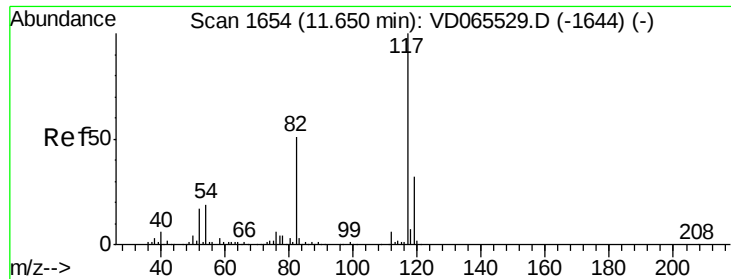
apatel
 3/30/2020 2:54:57 PM



#62
 4-Bromofluorobenzene
 Concen: 52.560 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	183.8
176	89.7	0.0	178.2





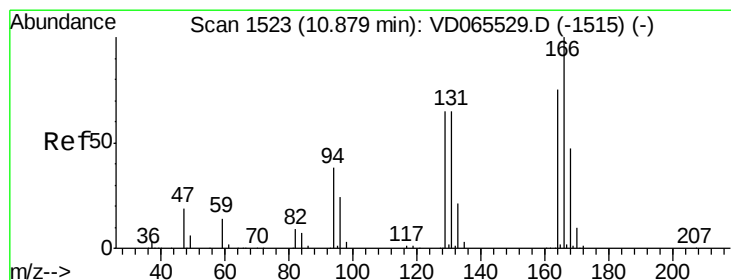
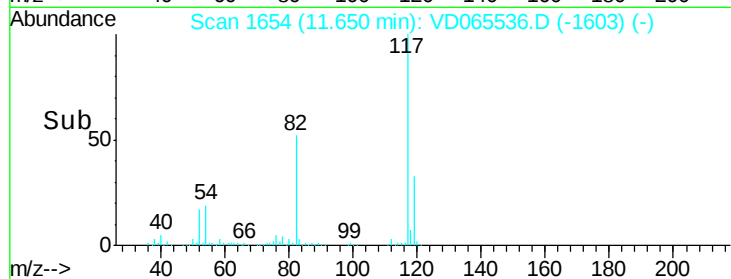
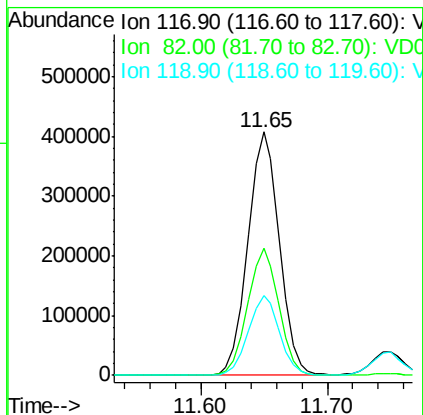
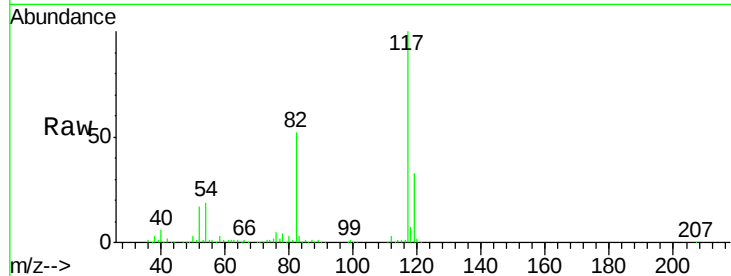
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.0	61.6
119	32.6	25.5	38.3

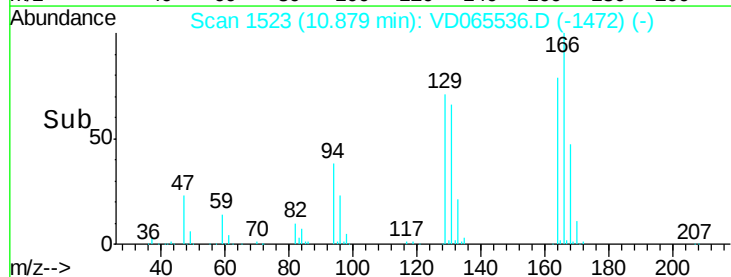
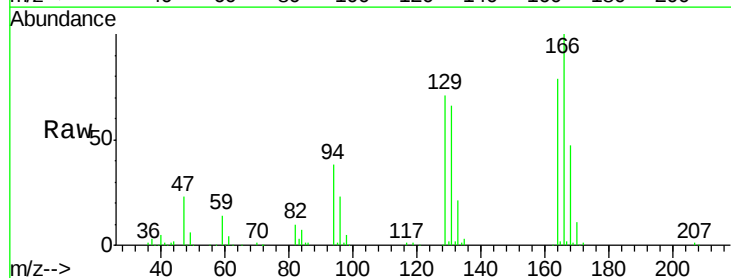
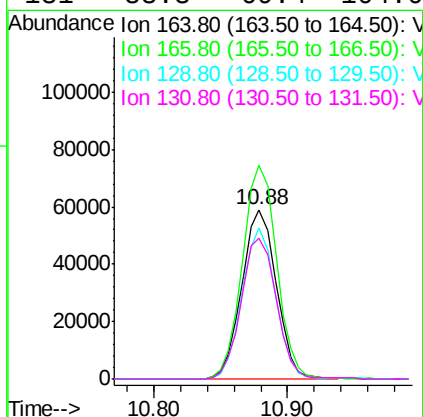
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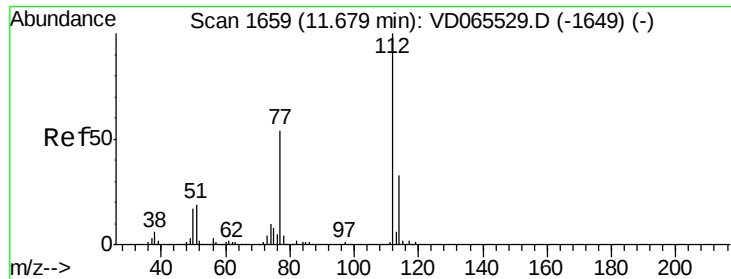
apatel
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#64
Tetrachloroethene
Concen: 20.901 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	107.1	160.7
129	89.3	69.2	103.8
131	83.3	69.4	104.0





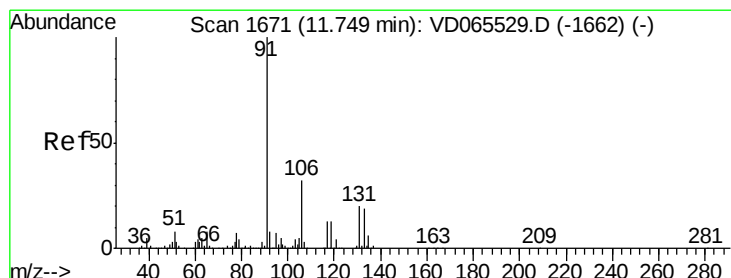
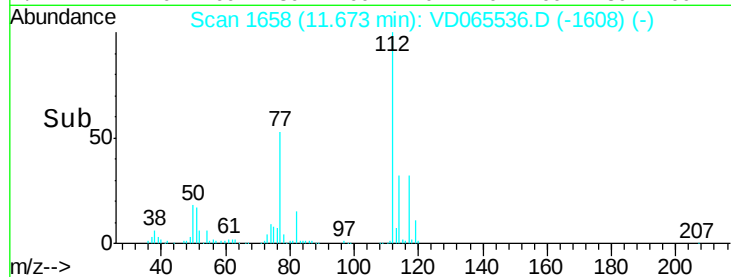
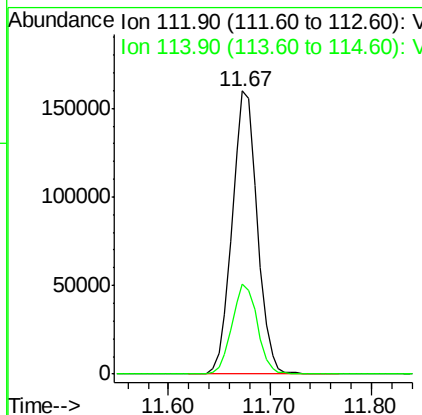
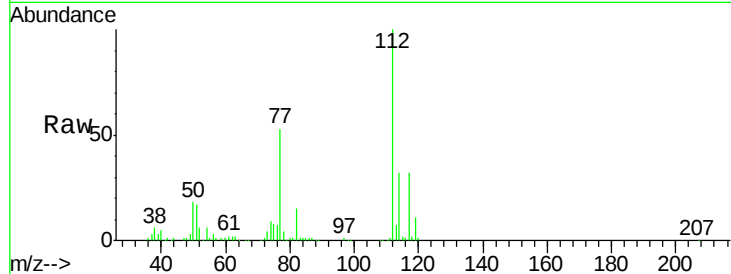
#65
Chlorobenzene
Concen: 19.955 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

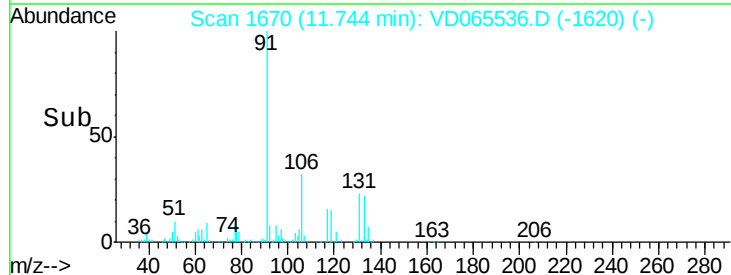
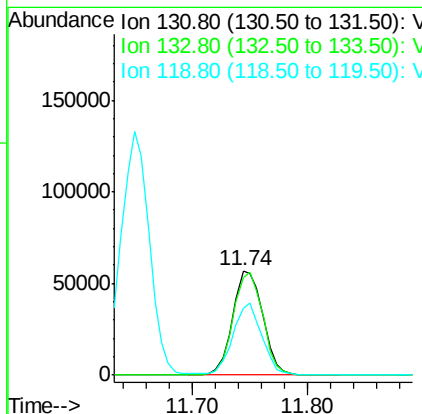
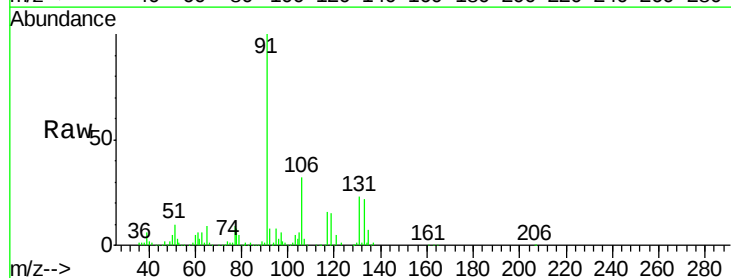
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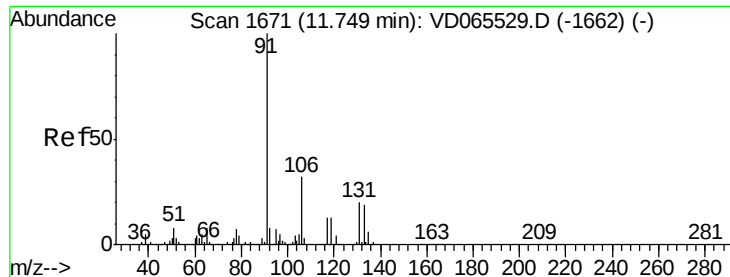
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.086 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	48.9	146.7
119	66.7	32.5	97.4





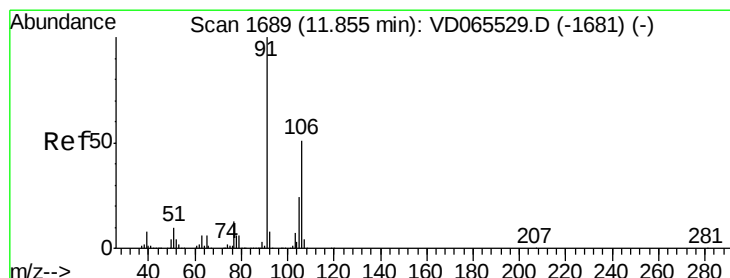
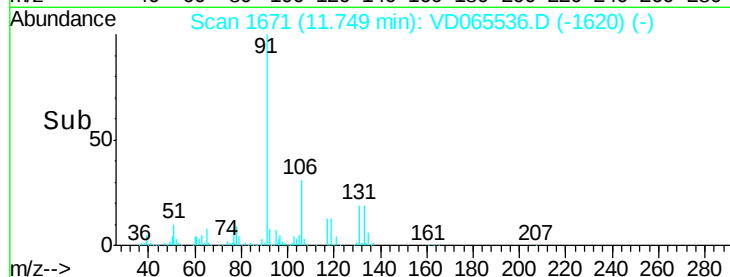
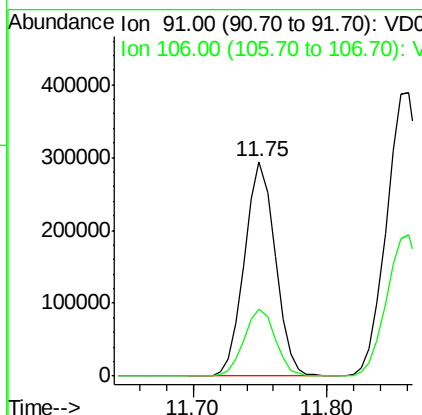
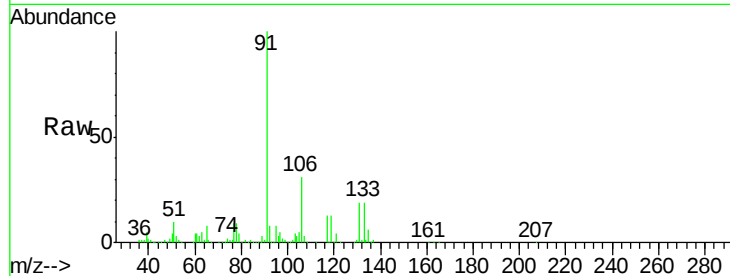
#67
Ethyl Benzene
Concen: 20.291 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 91 Resp: 470415
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

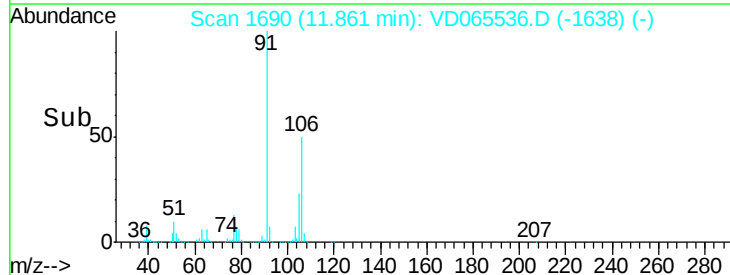
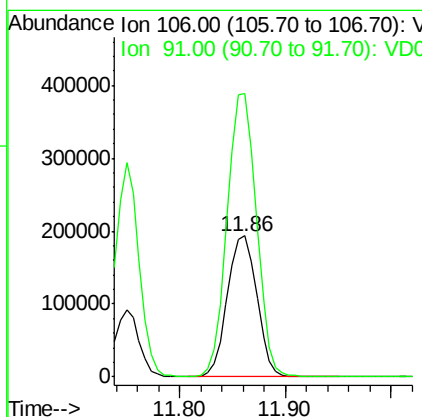
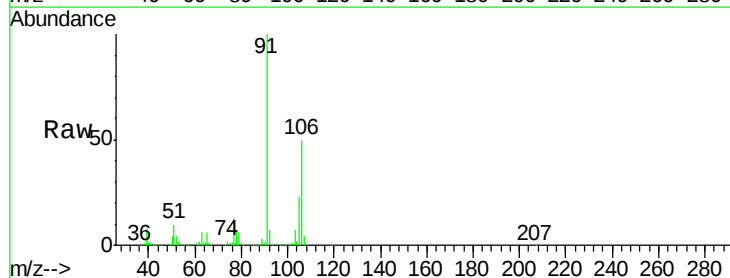
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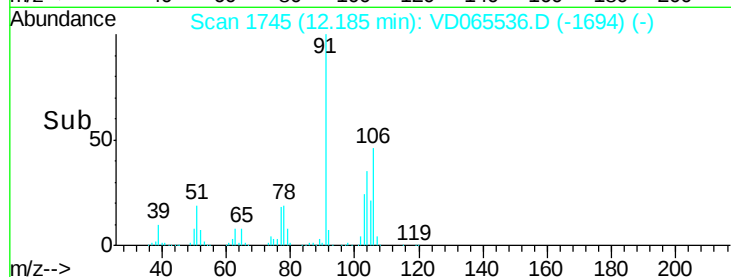
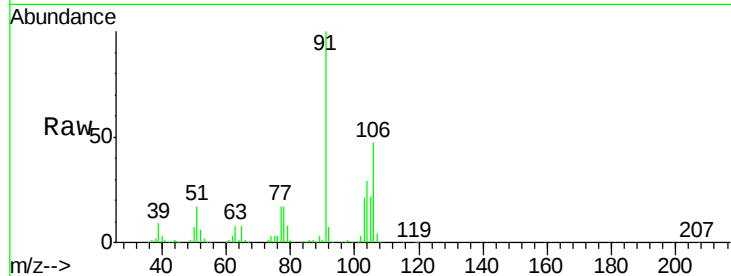
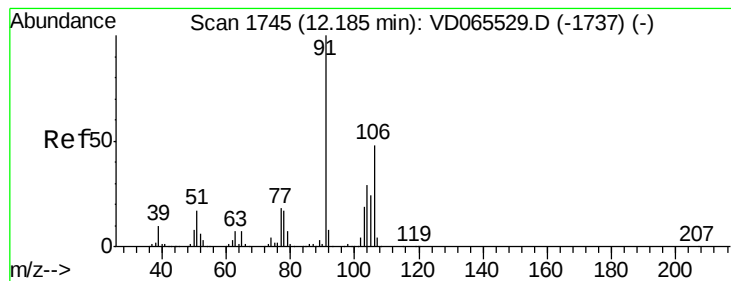
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#68
m/p-Xylenes
Concen: 41.248 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 106 Resp: 375475
Ion Ratio Lower Upper
106 100
91 199.4 155.4 233.0





#69

o-Xylene

Concen: 19.869 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tot Ion:106 Resp: 158397

Ion Ratio Lower Upper

106 100

91 207.7 102.8 308.4

Instrument :

MSVOA_D

ClientSampleId :

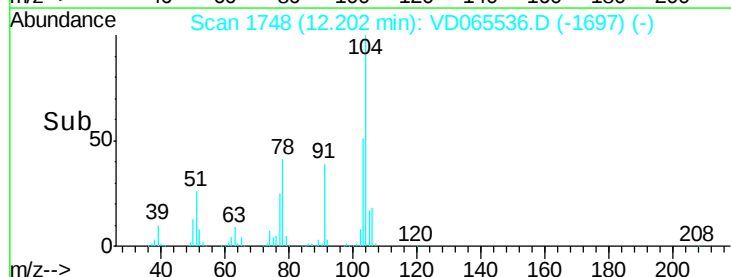
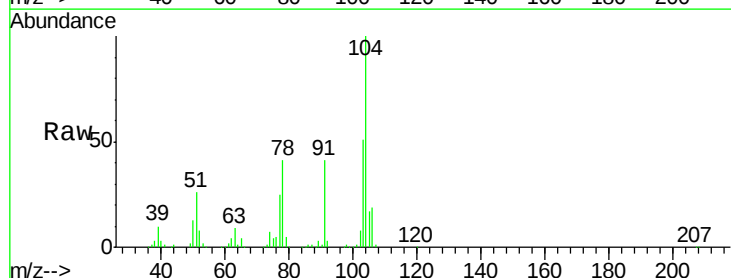
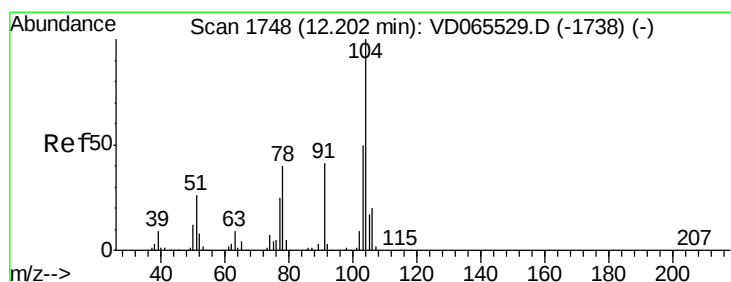
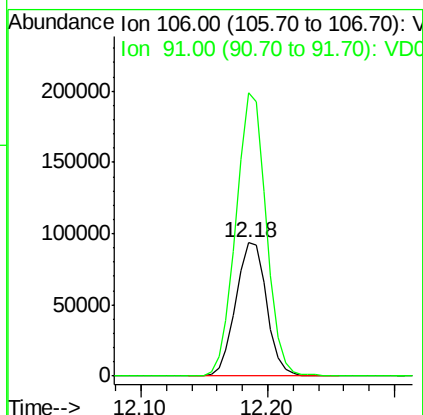
VD0327SBS01

Manual Integrations

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#70

Styrene

Concen: 20.103 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

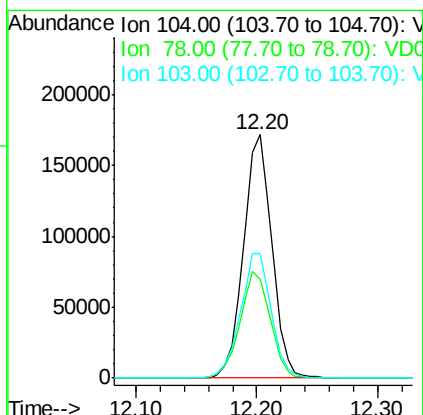
Tgt Ion:104 Resp: 283073

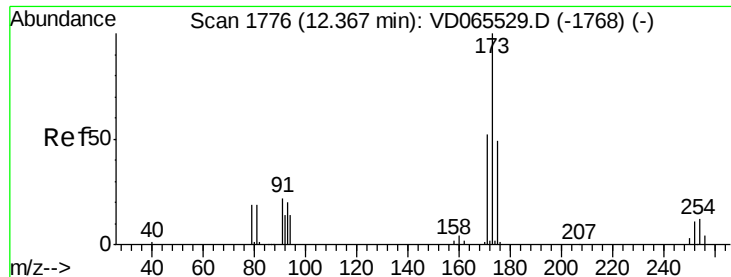
Ion Ratio Lower Upper

104 100

78 47.0 36.6 55.0

103 55.4 43.8 65.6





#71

Bromoform

Concen: 19.672 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:173 Resp: 55696

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

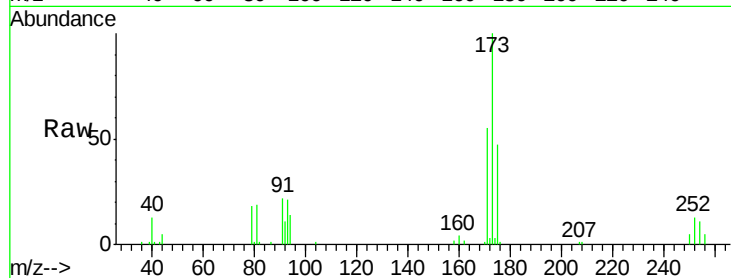
254 0.0 0.0 0.0

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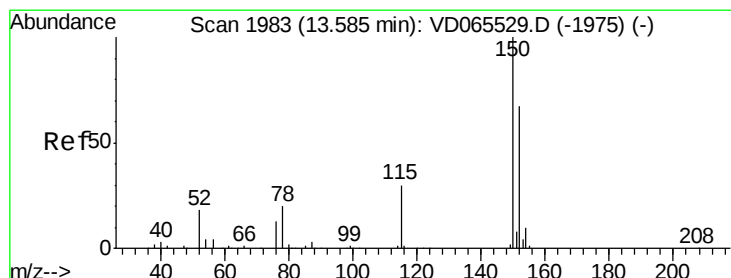
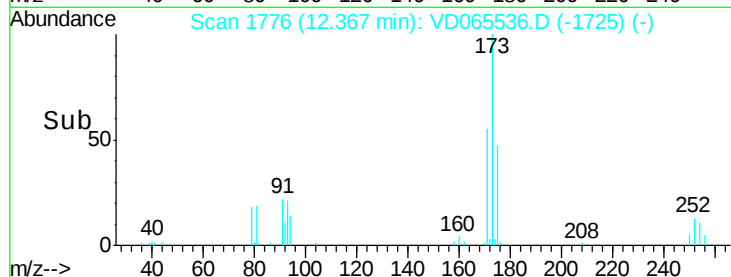
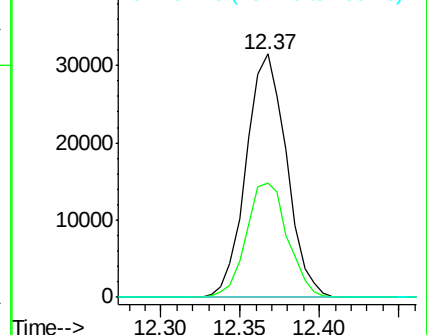
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

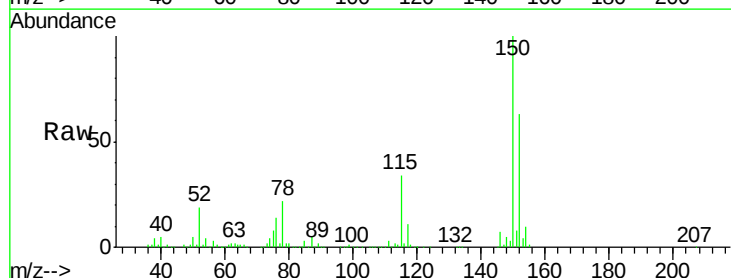
Tgt Ion:152 Resp: 349974

Ion Ratio Lower Upper

152 100

115 54.4 27.2 81.6

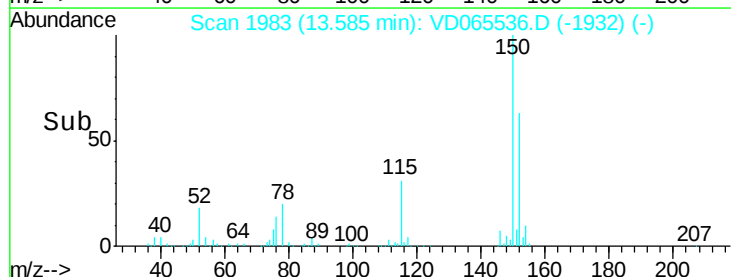
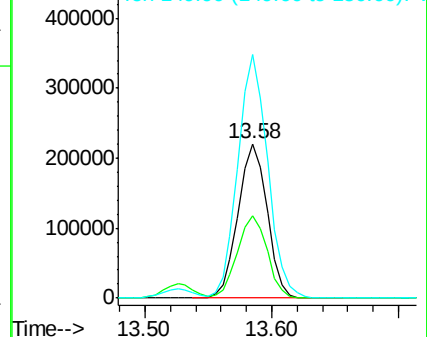
150 162.0 0.0 340.2

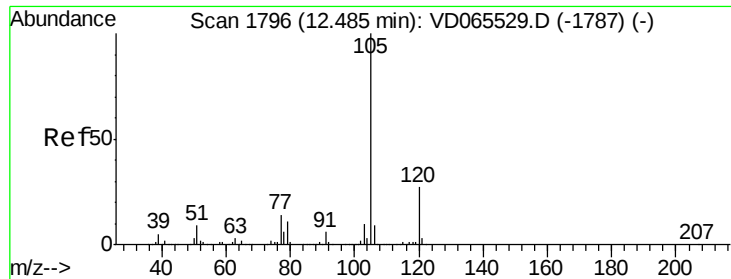


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





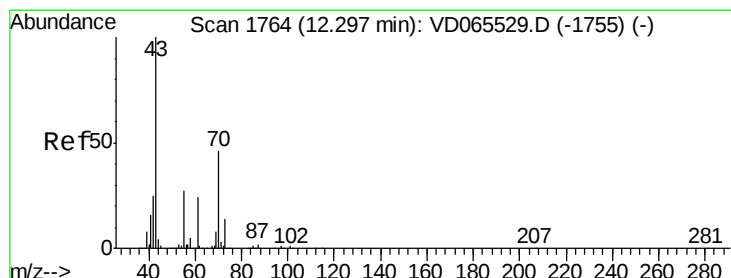
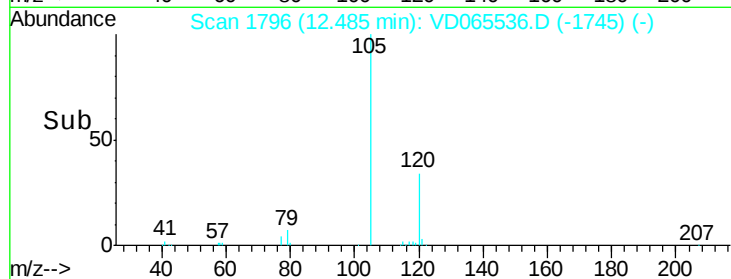
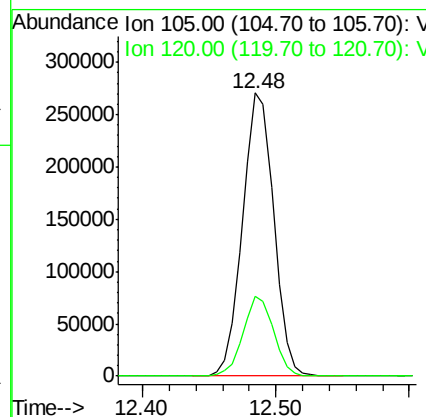
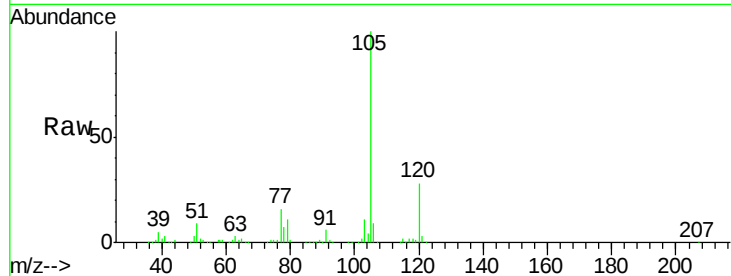
#73
Isopropylbenzene
Concen: 20.373 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 105 Resp: 437813
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.0

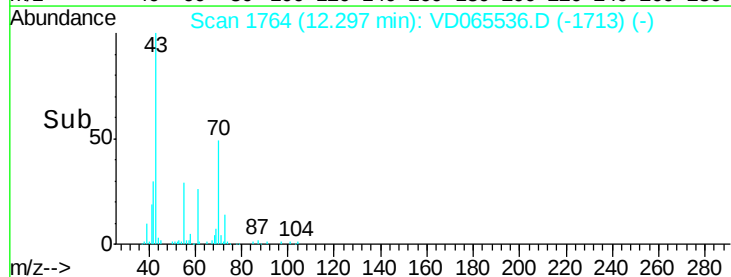
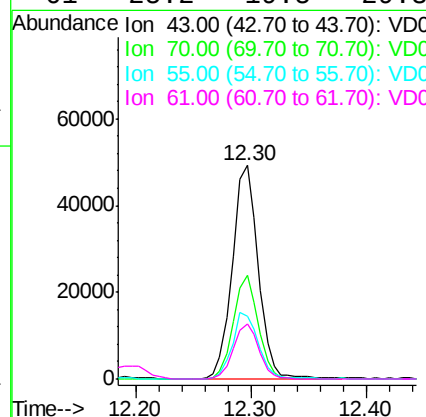
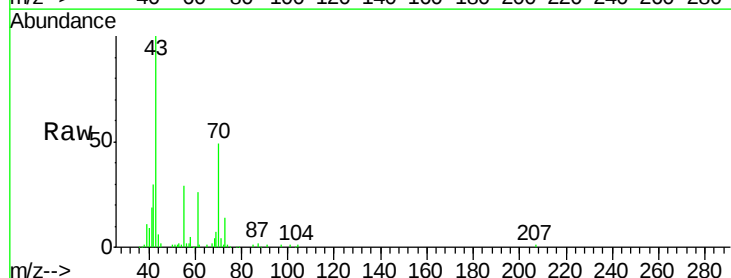
Manual Integrations
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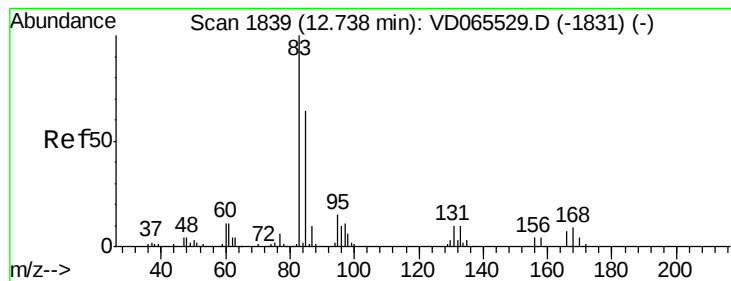
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#74
N-ethyl acetate
Concen: 18.155 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 43 Resp: 76993
Ion Ratio Lower Upper
43 100
70 46.3 36.2 54.2
55 31.3 22.2 33.4
61 25.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

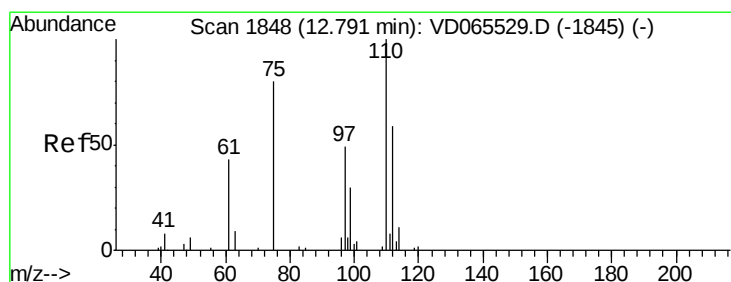
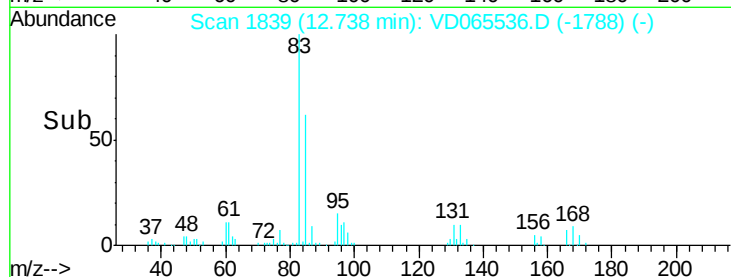
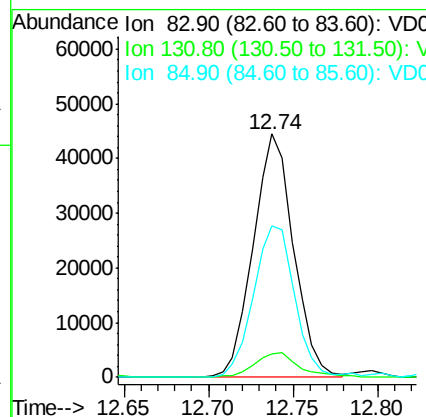
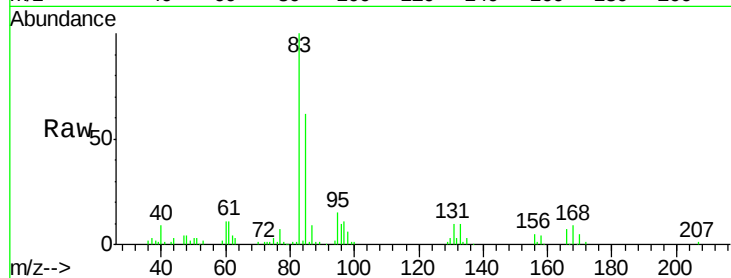
ClientSampleId :

VD0327SBS01

Tot Ion:	83	Resp:	74020
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.6	16.8
85	63.6	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.968 ug/l m

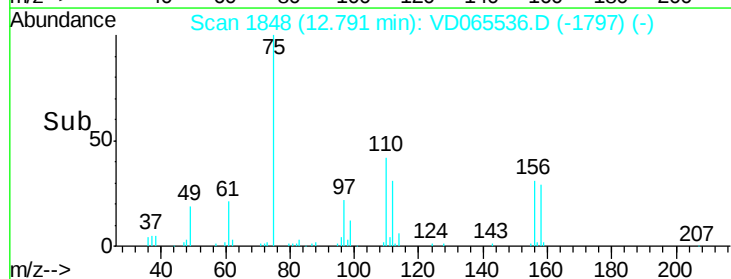
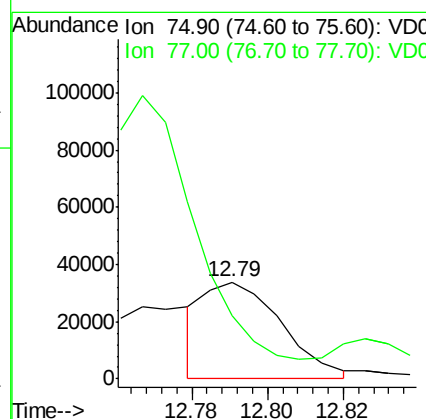
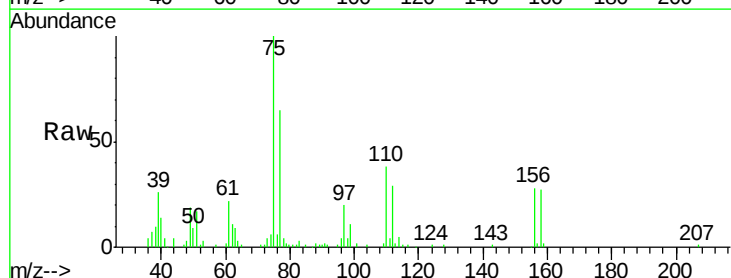
RT: 12.79 min Scan# 1848

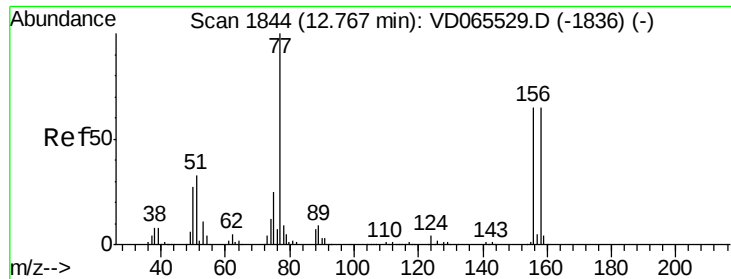
Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	75	Resp:	48344
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.013 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

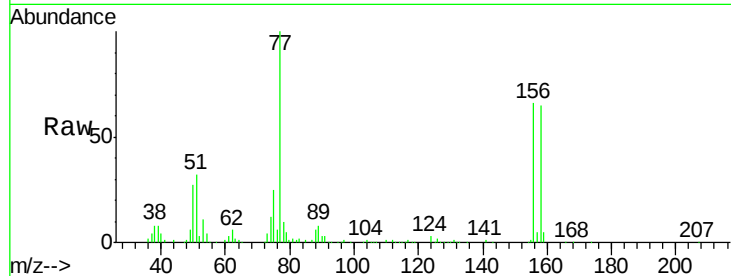
ClientSampleId :

VD0327SBS01

Tot Ion:	156	Resp:	112385
Ion Ratio	Lower	Upper	
156	100		
77	165.5	81.8	245.3
158	97.7	49.1	147.4

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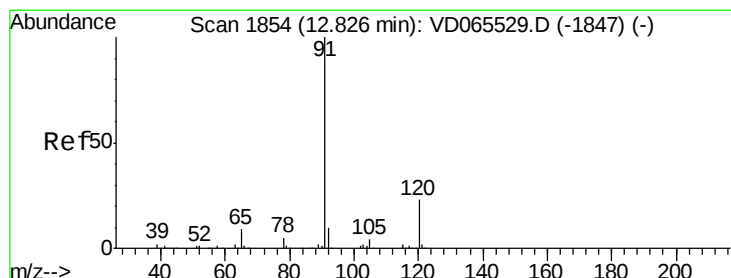
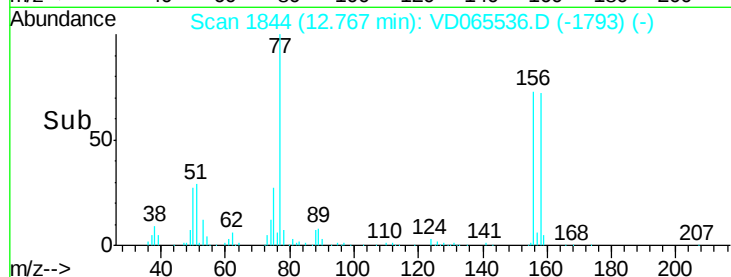
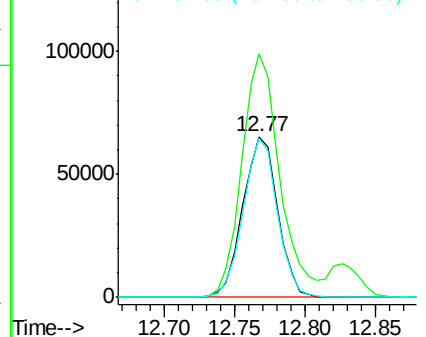
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.053 ug/l

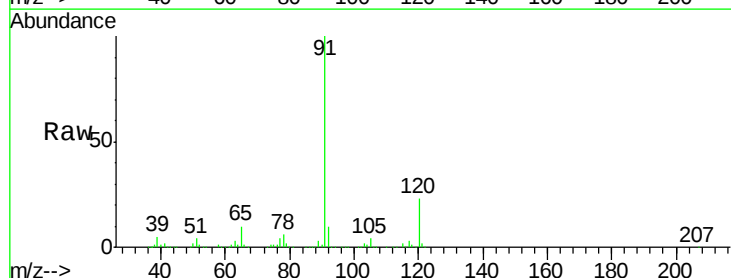
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065536.D

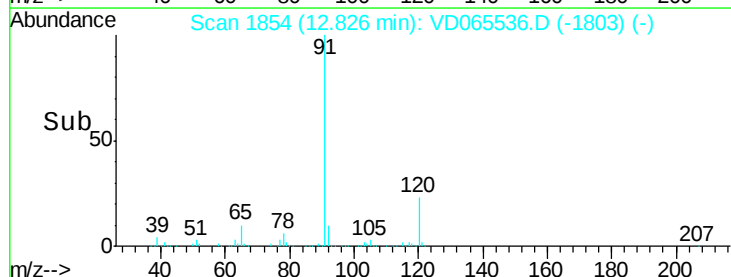
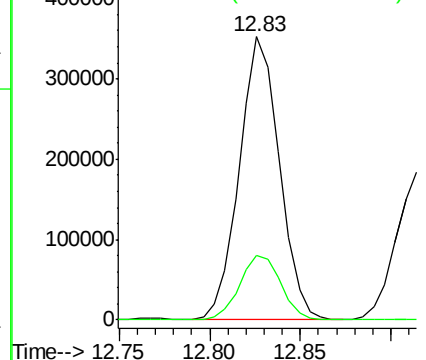
Acq: 27 Mar 2020 11:26

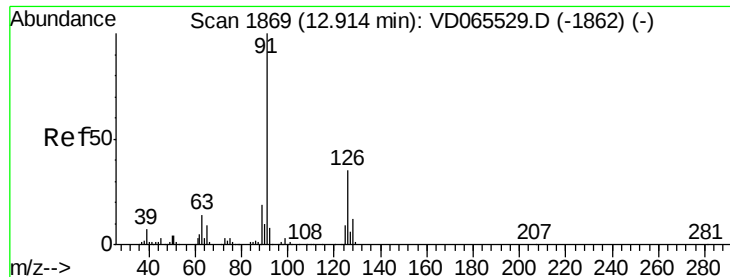
Tgt Ion:	91	Resp:	539274
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.647 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion: 91 Resp: 301728

Ion Ratio Lower Upper

91 100

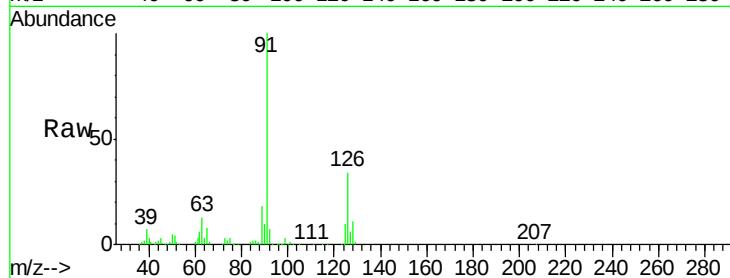
126 35.1 17.8 53.4

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Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065529.D (-1862) (-)

300000

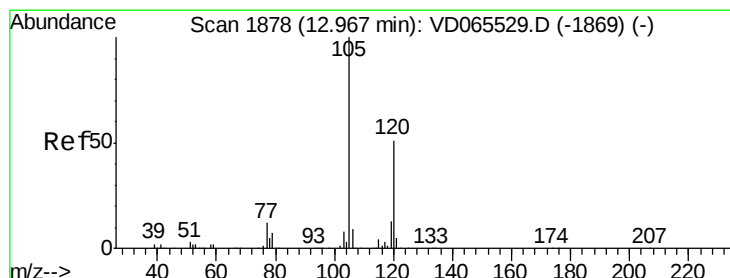
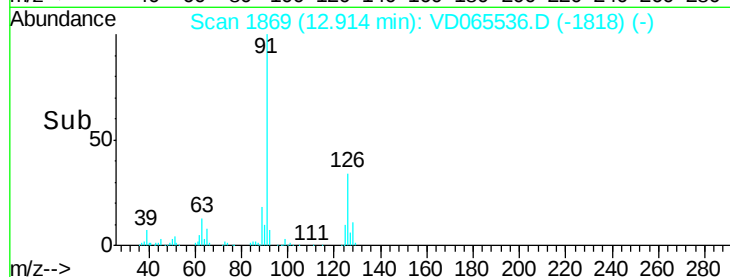
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.176 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065536.D

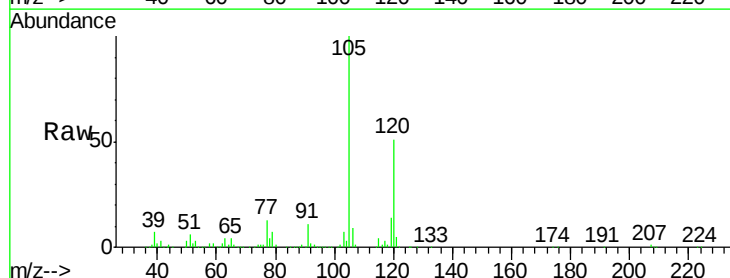
Acq: 27 Mar 2020 11:26

Tgt Ion:105 Resp: 377180

Ion Ratio Lower Upper

105 100

120 51.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065529.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065529.D (-1869) (-)

250000

200000

150000

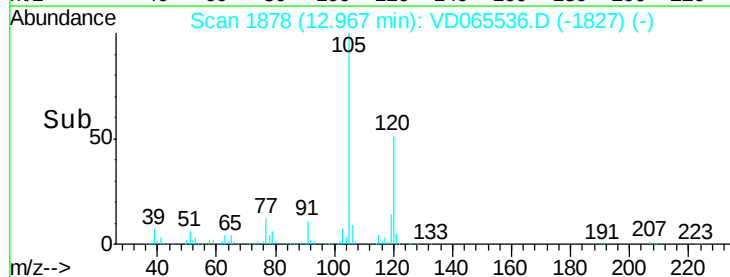
100000

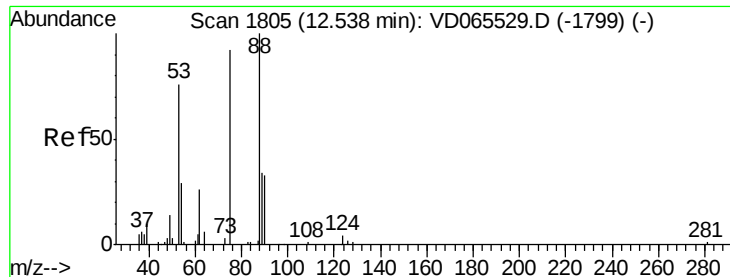
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.893 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

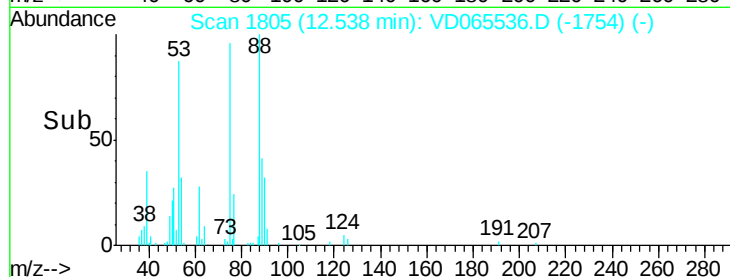
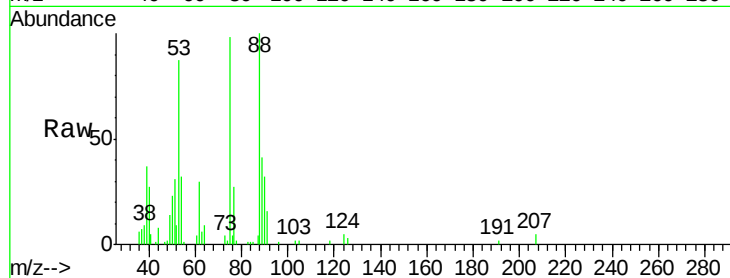
ClientSampleId :

VD0327SBS01

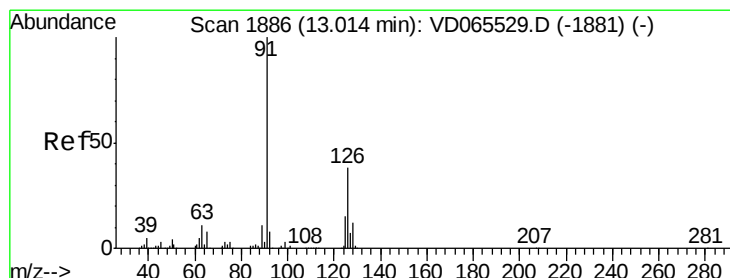
Tot Ion:	75	Resp:	22773
Ion	Ratio	Lower	Upper
75	100		
53	93.6	72.4	108.6
89	46.5	36.9	55.3

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Time-->



#82

4-Chlorotoluene

Concen: 20.884 ug/l

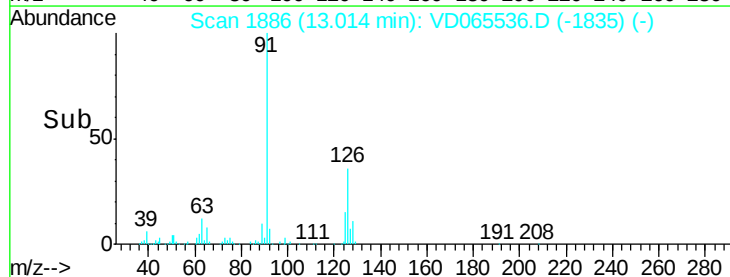
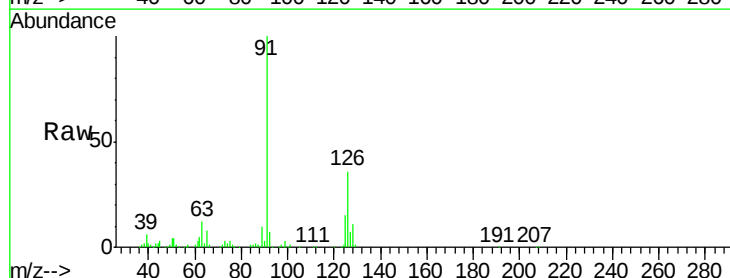
RT: 13.01 min Scan# 1886

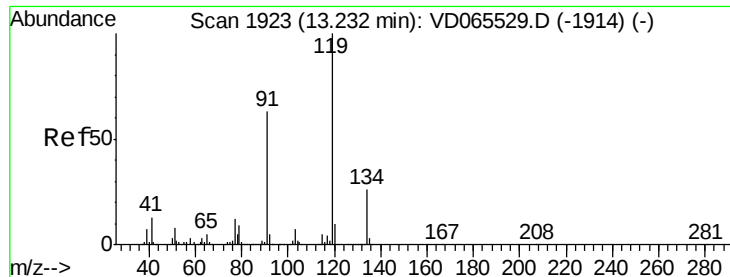
Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion:	91	Resp:	324327
Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.7





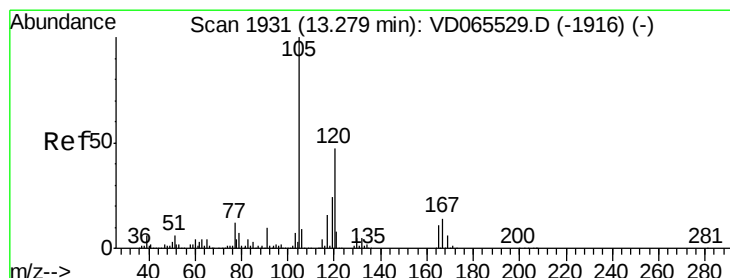
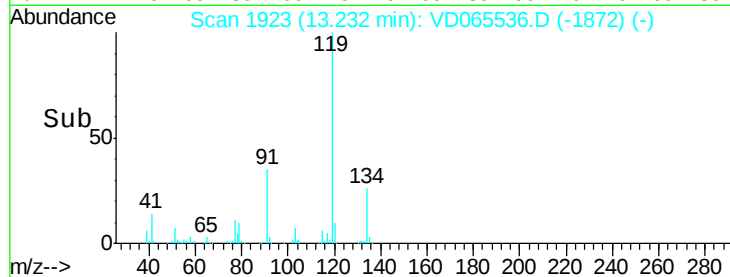
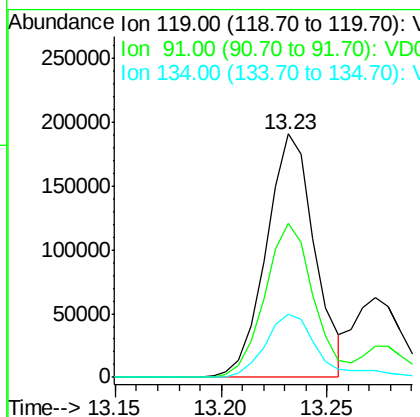
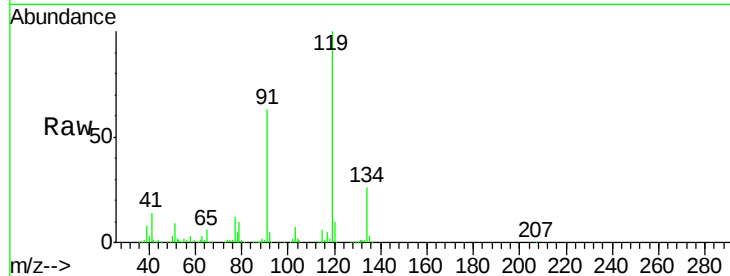
#83
 tert-Butylbenzene
 Concen: 20.372 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	303908		
91	64.1		31.4	94.0
134	28.5		13.9	41.6

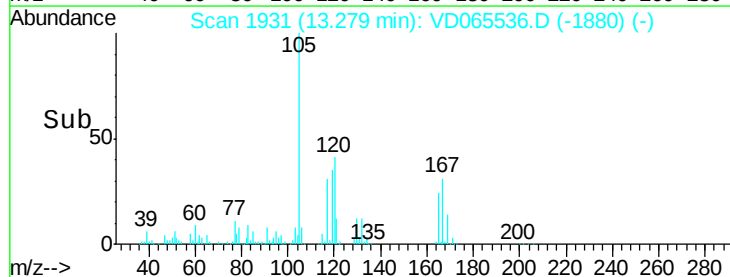
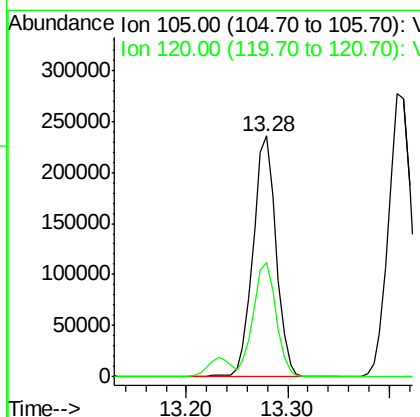
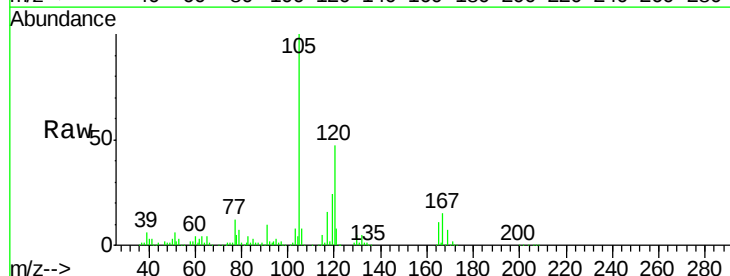
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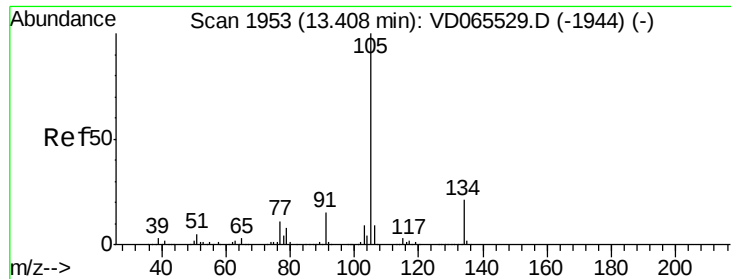
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.867 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	371584		
120	47.1		23.5	70.5





#85

sec-Butylbenzene

Concen: 20.580 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

Tot Ion:105 Resp: 439342

Ion Ratio Lower Upper

105 100

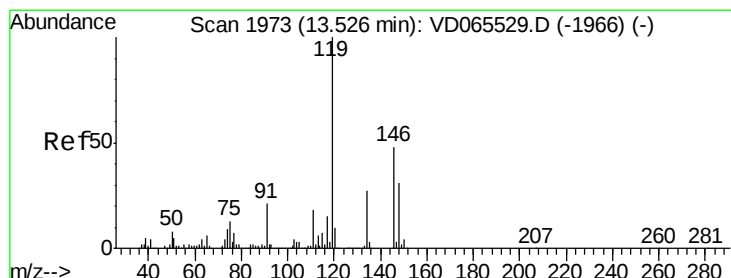
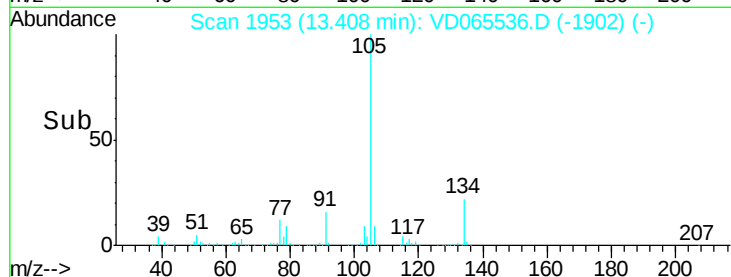
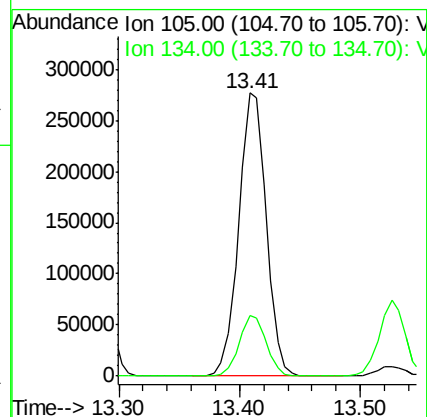
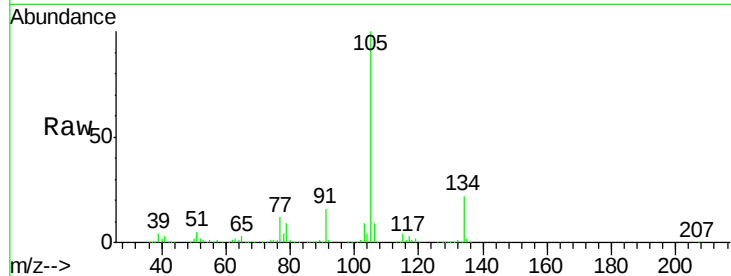
134 21.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 20.881 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

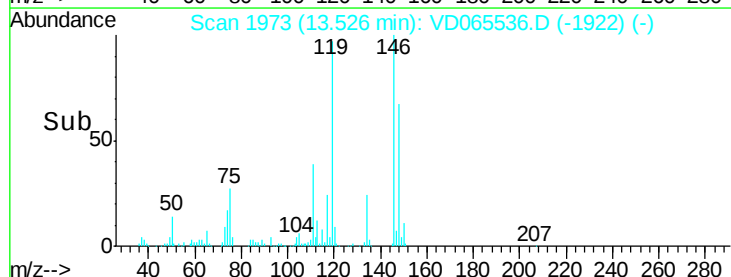
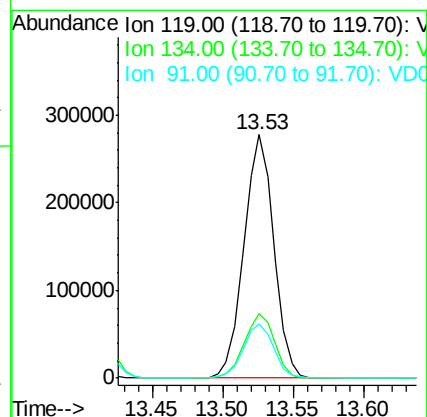
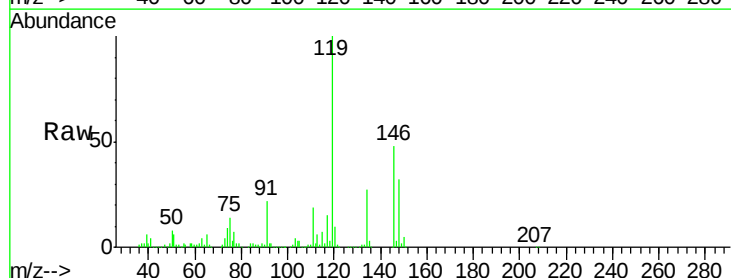
Tgt Ion:119 Resp: 410774

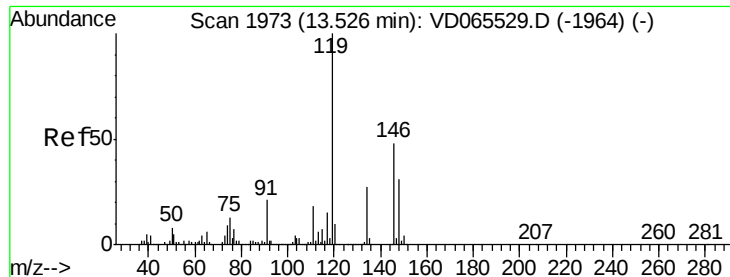
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.8 10.8 32.3





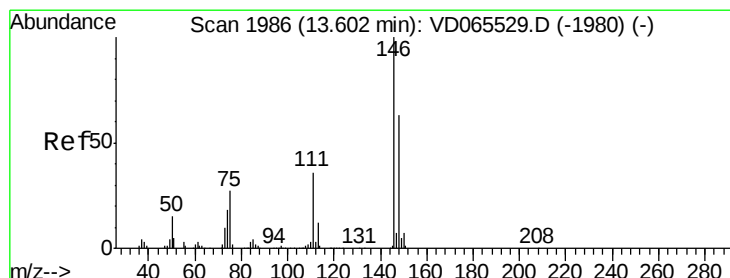
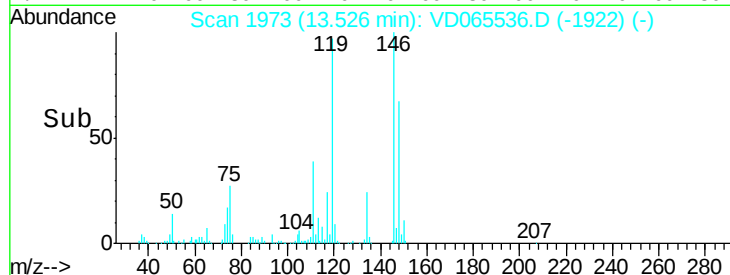
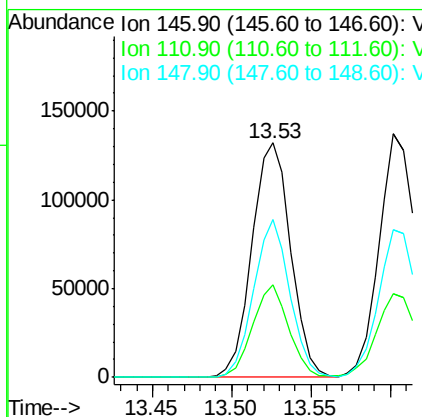
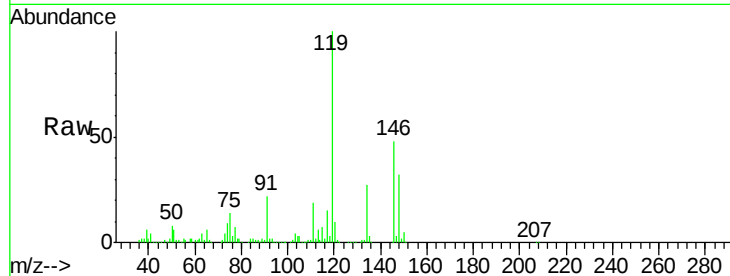
#87
 1,3-Dichlorobenzene
 Concen: 20.773 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	224561		
111	36.7	18.5	55.5	
148	62.9	31.8	95.4	

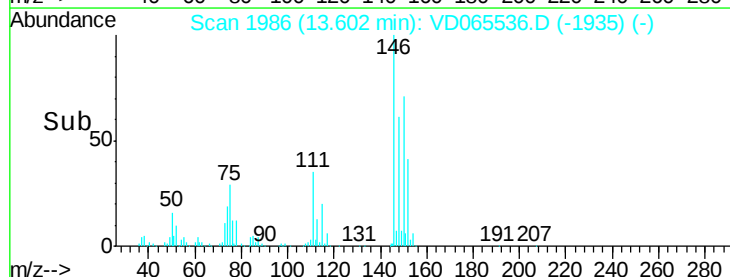
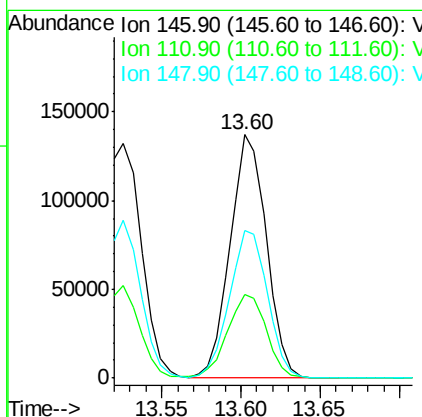
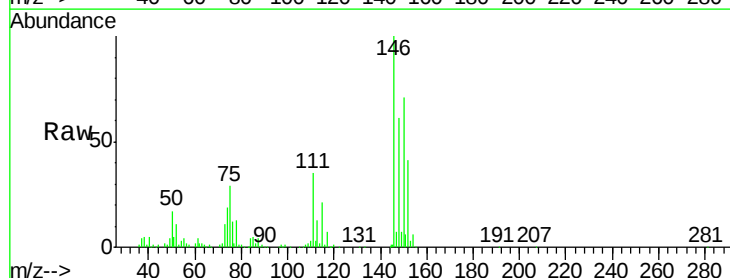
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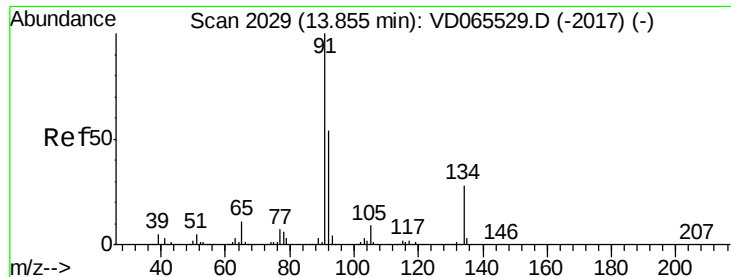
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#88
 1,4-Dichlorobenzene
 Concen: 20.212 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	218323		
111	36.8	18.0	54.0	
148	63.6	31.6	94.8	





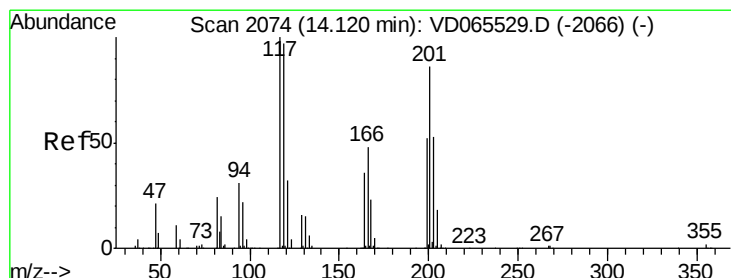
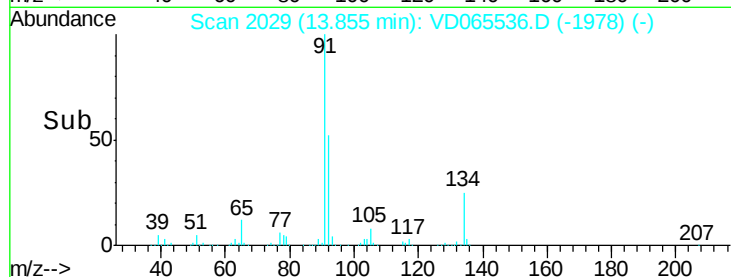
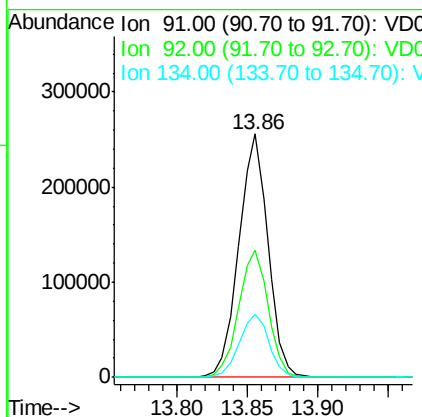
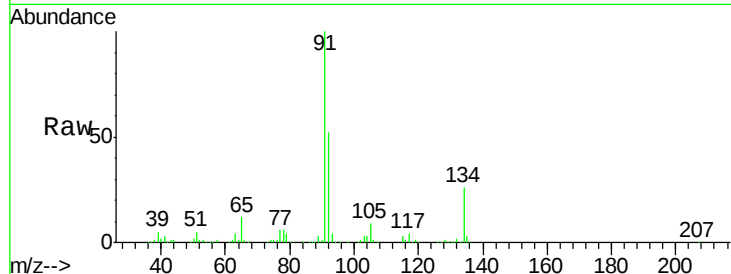
#89
n-Butylbenzene
Concen: 20.647 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.4
134	26.4	13.7	41.0

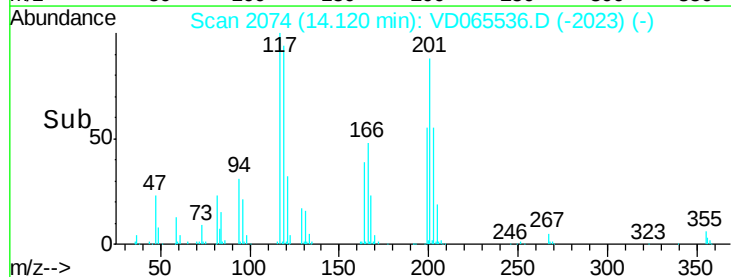
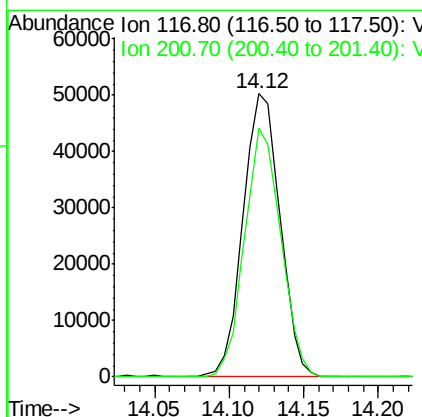
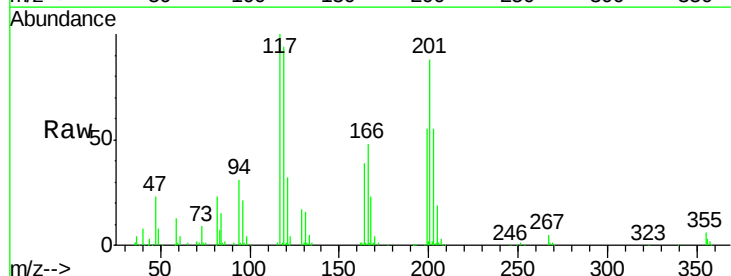
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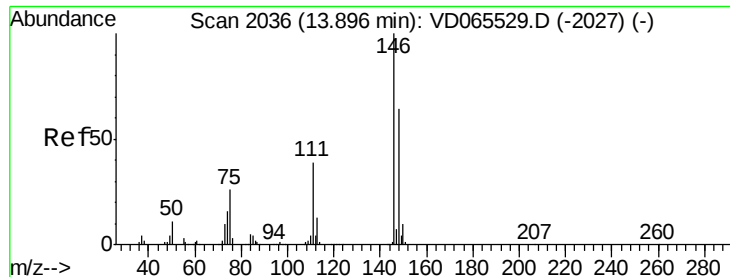
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#90
Hexachloroethane
Concen: 20.921 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	43.9	131.6





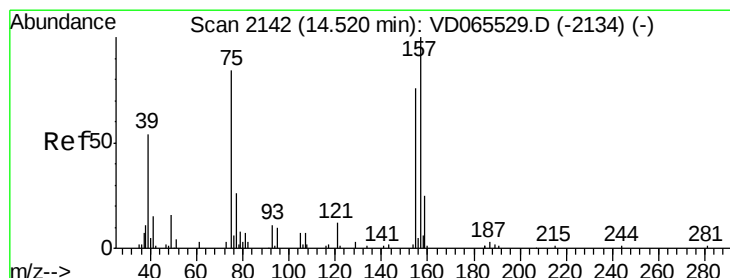
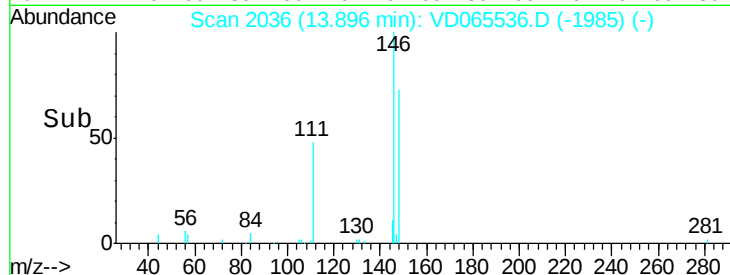
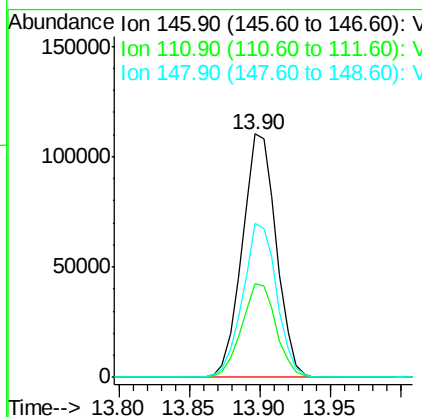
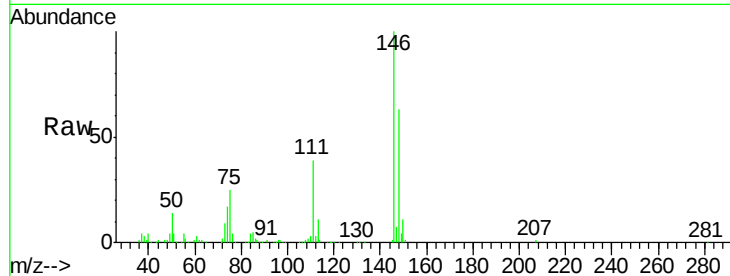
#91
 1,2-Dichlorobenzene
 Concen: 20.347 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186725		
111	38.7	19.4	58.4	
148	63.0	32.1	96.5	

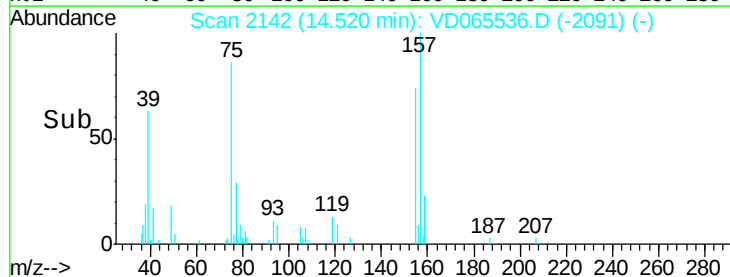
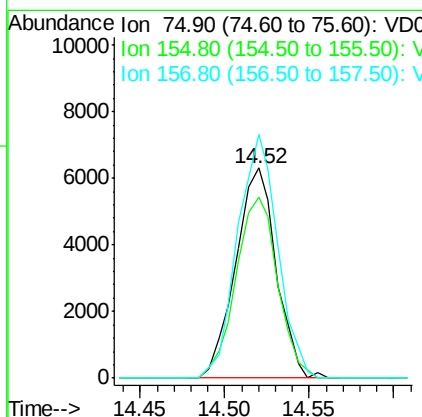
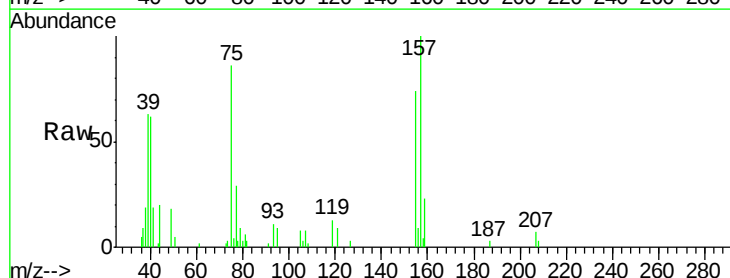
Manual Integrations
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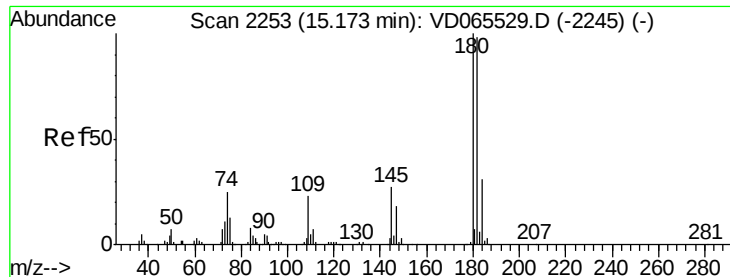
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 3/30/2020 2:54:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.735 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10535		
155	88.2	46.2	138.6	
157	114.9	57.9	173.7	





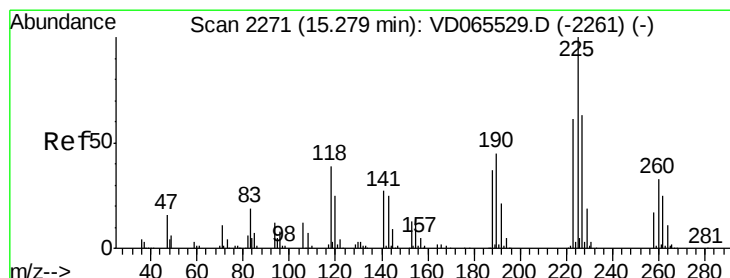
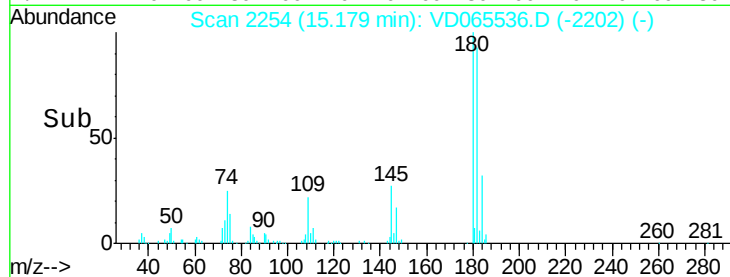
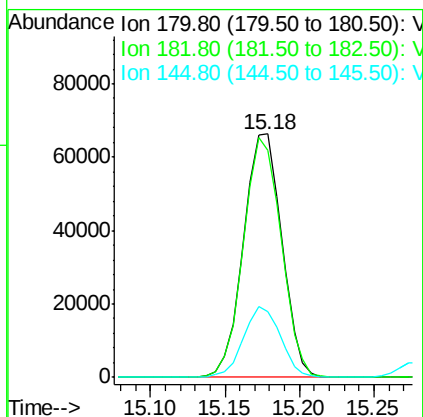
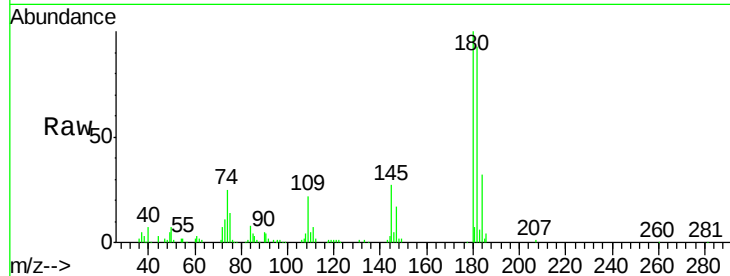
#93
1,2,4-Trichlorobenzene
Concen: 18.619 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. 0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118164		
182	97.4	48.1	144.3	
145	27.9	13.9	41.6	

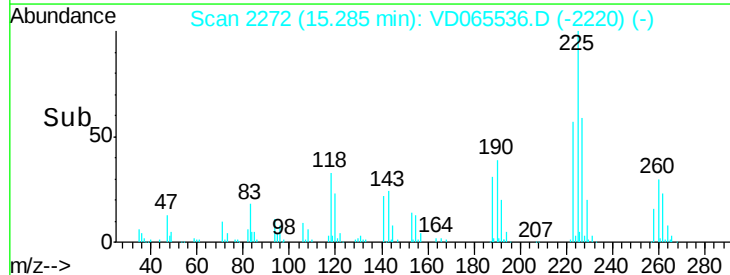
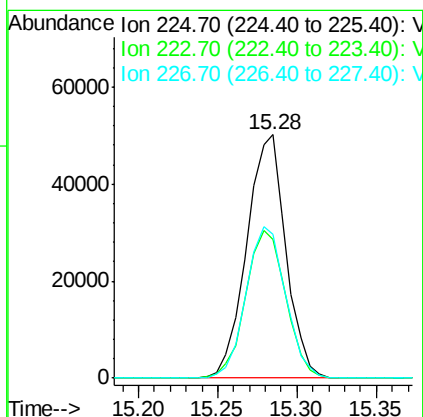
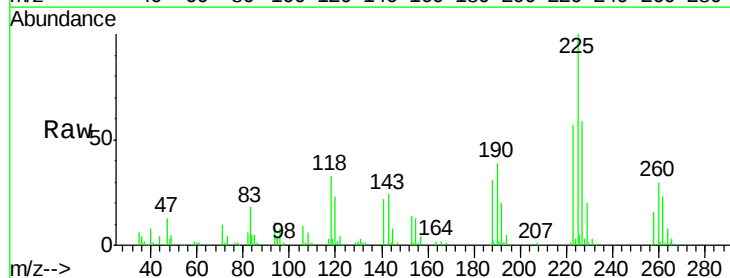
Manual Integrations
APPROVED

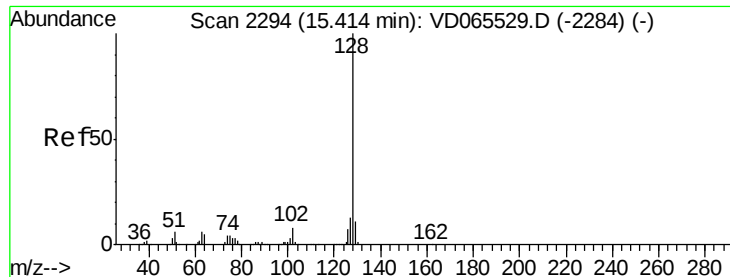
apatel
3/30/2020 2:54:57 PM



#94
Hexachlorobutadiene
Concen: 20.841 ug/l
RT: 15.28 min Scan# 2272
Delta R.T. 0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86192		
223	61.7	31.2	93.6	
227	62.7	32.3	96.9	





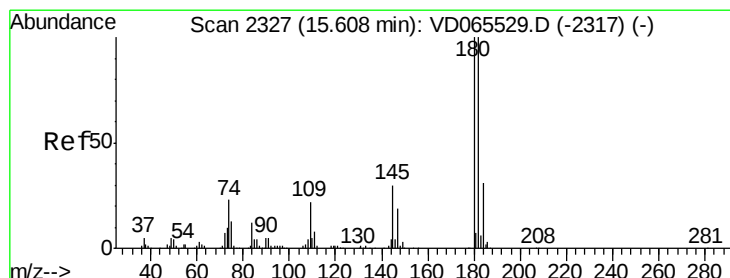
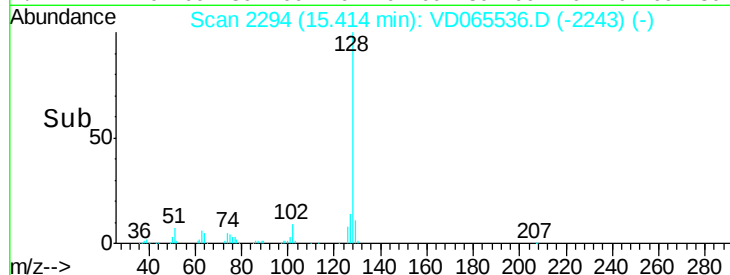
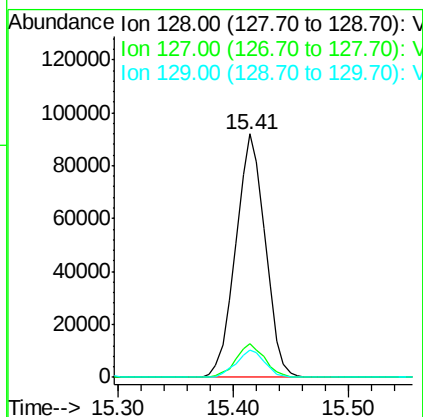
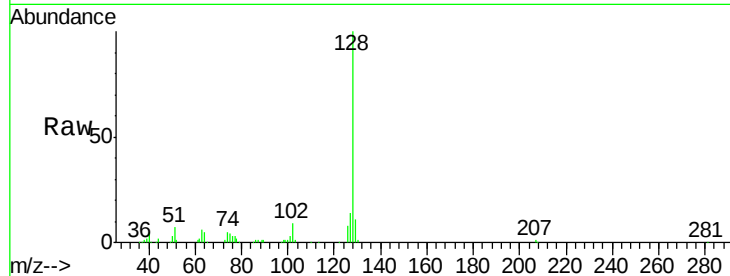
#95
Naphthalene
Concen: 18.044 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	162366		
127	13.5		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
APPROVED

apatel
3/30/2020 2:54:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.784 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102383		
182	95.5		48.1	144.3
145	29.4		15.0	45.0

