

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065100.D
 Acq On : 06 Feb 2020 21:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:46 PM

Quant Time: Feb 07 07:20:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219196	63.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.18%	
35) Dibromofluoromethane	7.92	113	213721	61.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.16%	
50) Toluene-d8	10.34	98	816059	59.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.14%	
62) 4-Bromofluorobenzene	12.64	95	263471	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	167508	49.628	ug/l	94
3) Chloromethane	2.21	50	234801	59.096	ug/l	96
4) Vinyl Chloride	2.35	62	234153	55.725	ug/l	100
5) Bromomethane	2.77	94	152031	55.801	ug/l	100
6) Chloroethane	2.93	64	153116	58.744	ug/l	98
7) Trichlorofluoromethane	3.27	101	338497	55.354	ug/l	97
8) Diethyl Ether	3.71	74	99854	56.881	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	187630	50.191	ug/l	99
10) Methyl Iodide	4.30	142	221189	51.839	ug/l	97
11) Tert butyl alcohol	5.24	59	56157	266.624	ug/l	99
12) 1,1-Dichloroethene	4.06	96	183855	51.352	ug/l	99
13) Acrolein	3.93	56	76102	293.762	ug/l	96
14) Allyl chloride	4.71	41	317777	53.404	ug/l	99
15) Acrylonitrile	5.44	53	225429	293.723	ug/l	99
16) Acetone	4.17	43	227417	263.864	ug/l	99
17) Carbon Disulfide	4.40	76	617476	53.715	ug/l	98
18) Methyl Acetate	4.73	43	104649	58.116	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	449668	56.796	ug/l	98
20) Methylene Chloride	4.96	84	226671	60.562	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	220156	54.350	ug/l	97
22) Diisopropyl ether	6.37	45	672156	59.886	ug/l	98
23) Vinyl Acetate	6.31	43	1813544	289.891	ug/l	99
24) 1,1-Dichloroethane	6.27	63	388583	57.198	ug/l	99
25) 2-Butanone	7.23	43	293965	285.935	ug/l	99
26) 2,2-Dichloropropane	7.21	77	311035	51.079	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	240341	55.850	ug/l	99
28) Bromochloromethane	7.55	49	162061	62.930	ug/l	97
29) Tetrahydrofuran	7.57	42	182949	294.263	ug/l	98
30) Chloroform	7.71	83	393290	58.141	ug/l	96
31) Cyclohexane	7.98	56	336420	49.057	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	338957	53.792	ug/l	99
36) 1,1-Dichloropropene	8.11	75	299714	51.817	ug/l	99
37) Ethyl Acetate	7.30	43	132571	56.102	ug/l	98
38) Carbon Tetrachloride	8.10	117	304326	51.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	347793	48.714	ug/l	100
40) Benzene	8.36	78	889633	55.697	ug/l	98
41) Methacrylonitrile	7.53	41	60583	46.537	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	257956	56.679	ug/l	98
43) Isopropyl Acetate	8.46	43	250572	55.433	ug/l	100
44) Trichloroethene	9.11	130	235402	51.345	ug/l	95
45) 1,2-Dichloropropane	9.39	63	221899	57.943	ug/l	98
46) Dibromomethane	9.48	93	116896	58.088	ug/l	97
47) Bromodichloromethane	9.67	83	309642	58.397	ug/l	99
48) Methyl methacrylate	9.46	41	118360	54.415	ug/l	99
49) 1,4-Dioxane	9.47	88	26636	1117.513	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	646644	290.633	ug/l	99
52) Toluene	10.41	92	561703	55.099	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	291215	56.409	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	344885	55.857	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	155865	56.468	ug/l	98
56) Ethyl methacrylate	10.67	69	202939	58.107	ug/l	100
57) 1,3-Dichloropropane	10.96	76	280536	57.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	284830	252.614	ug/l	100
59) 2-Hexanone	10.99	43	453178	287.552	ug/l	99
60) Dibromochloromethane	11.15	129	207761	58.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	151054	56.006	ug/l	99
64) Tetrachloroethene	10.88	164	238285	56.897	ug/l	98
65) Chlorobenzene	11.68	112	601967	53.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	227031	54.566	ug/l	100
67) Ethyl Benzene	11.75	91	1050919	51.312	ug/l	100
68) m/p-Xylenes	11.86	106	834667	106.776	ug/l	99
69) o-Xylene	12.19	106	371371	52.756	ug/l	99
70) Styrene	12.20	104	673096	55.016	ug/l	100
71) Bromoform	12.37	173	122959	54.906	ug/l #	100
73) Isopropylbenzene	12.49	105	983351	49.590	ug/l	99
74) N-amyl acetate	12.30	43	232343	53.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	164326	52.654	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120313m	55.004	ug/l	
77) Bromobenzene	12.77	156	242009	50.655	ug/l	98
78) n-propylbenzene	12.83	91	1176236	50.651	ug/l	98
79) 2-Chlorotoluene	12.92	91	650658	50.266	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	820377	50.570	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	54702	50.015	ug/l	96
82) 4-Chlorotoluene	13.01	91	693261	50.995	ug/l	100
83) tert-Butylbenzene	13.23	119	686631	49.060	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	826138	51.295	ug/l	99
85) sec-Butylbenzene	13.41	105	939752	49.162	ug/l	99
86) p-Isopropyltoluene	13.53	119	901929	50.783	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	467013	52.208	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	449469	50.485	ug/l	99
89) n-Butylbenzene	13.85	91	812831	49.584	ug/l	99
90) Hexachloroethane	14.13	117	168061	49.972	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	396967	51.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26482	51.981	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	266903	48.739	ug/l	99
94) Hexachlorobutadiene	15.28	225	155599	46.211	ug/l	98
95) Naphthalene	15.41	128	461576	50.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	232206	49.573	ug/l	99

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

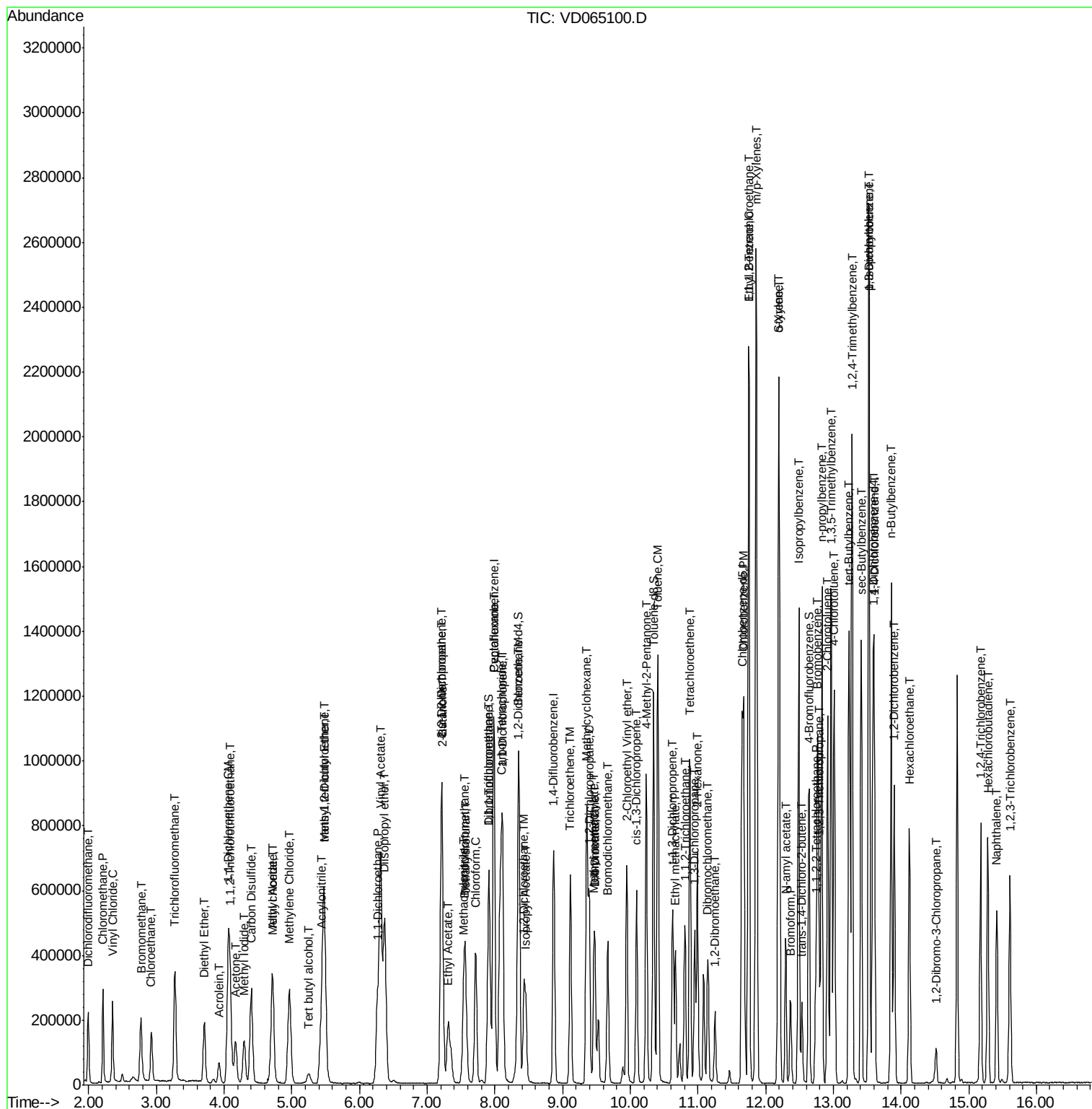
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
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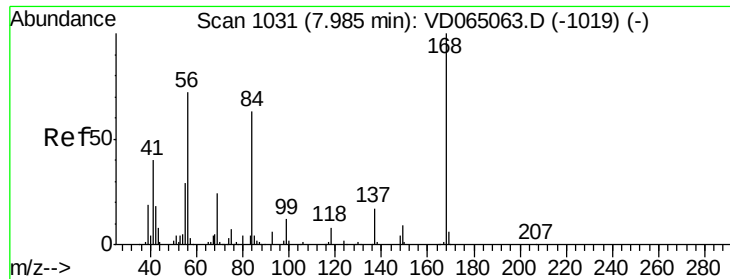
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 405599

Ion Ratio Lower Upper

168 100

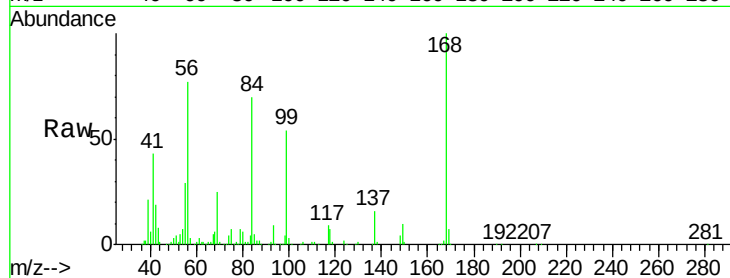
99 54.1 41.0 61.6

Manual Integrations

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MMDadoda

2/7/2020 12:05:46 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

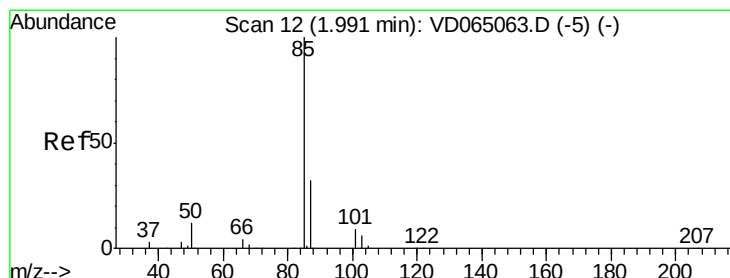
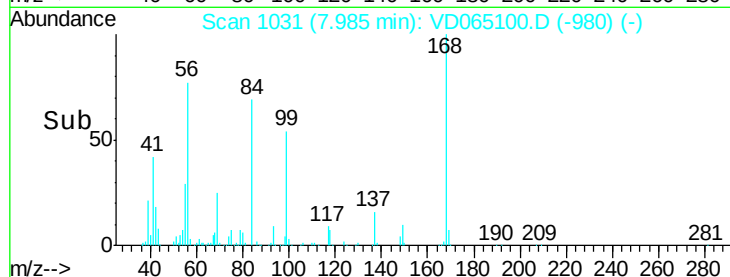
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.628 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065100.D

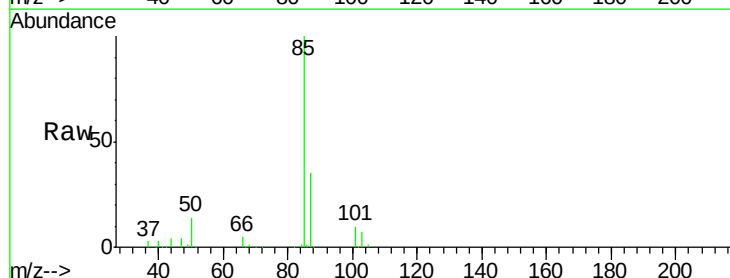
Acq: 06 Feb 2020 21:38

Tgt Ion: 85 Resp: 167508

Ion Ratio Lower Upper

85 100

87 34.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

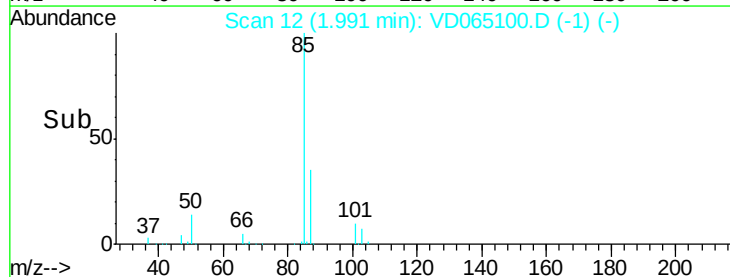
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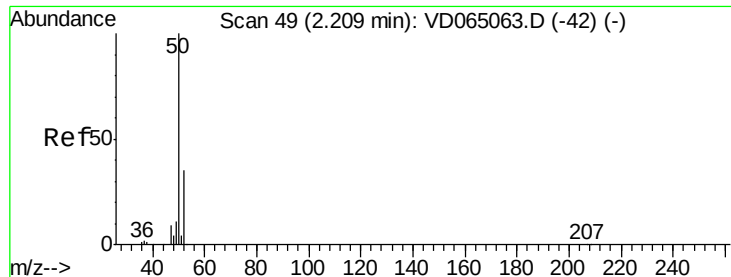
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 59.096 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 234801

Ion Ratio Lower Upper

50 100

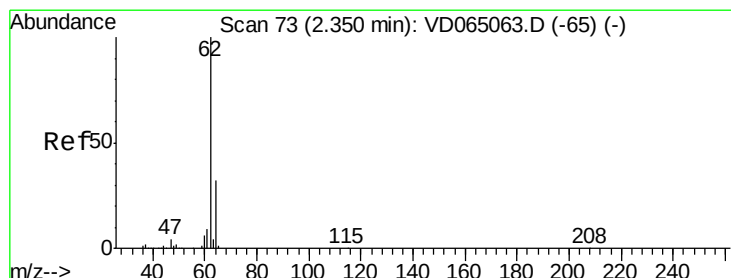
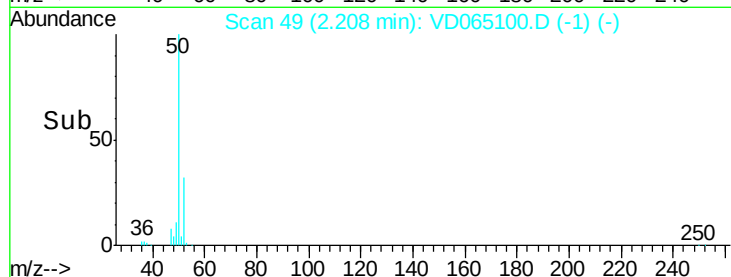
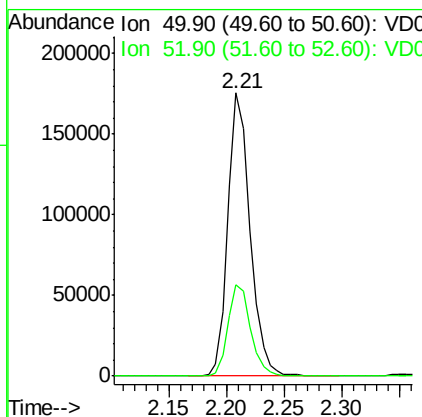
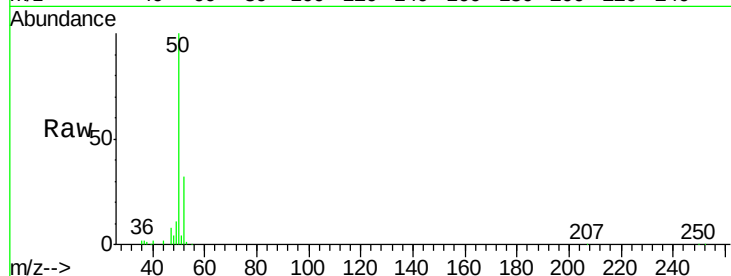
52 32.5 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.725 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065100.D

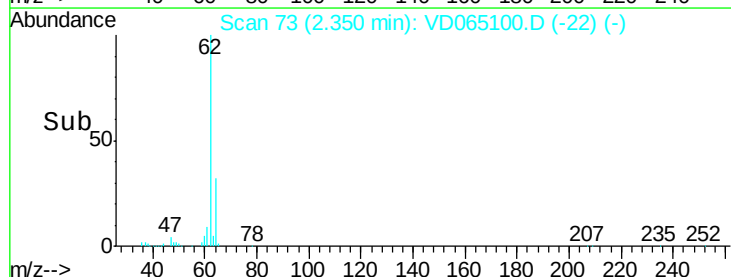
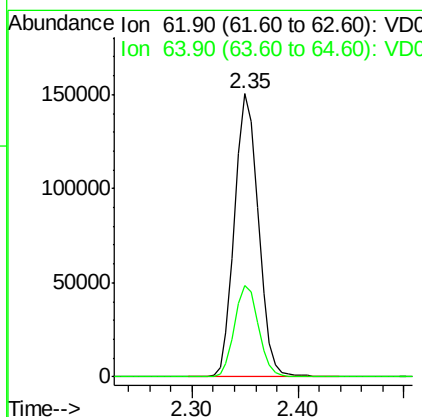
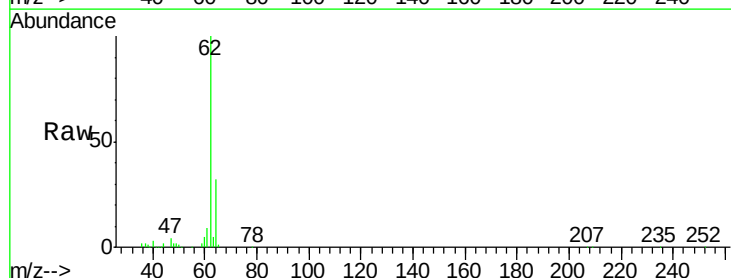
Acq: 06 Feb 2020 21:38

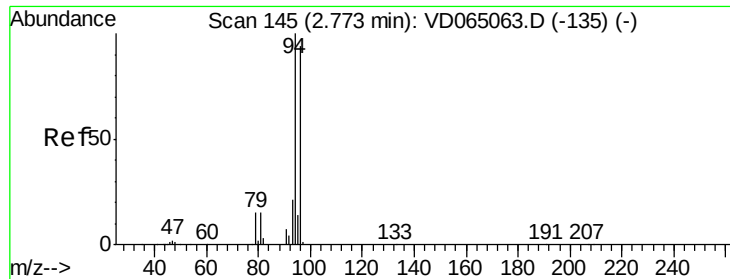
Tgt Ion: 62 Resp: 234153

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 55.801 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 152031

Ion Ratio Lower Upper

94 100

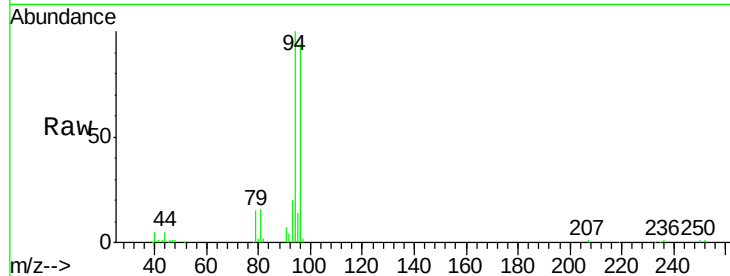
96 94.0 75.4 113.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

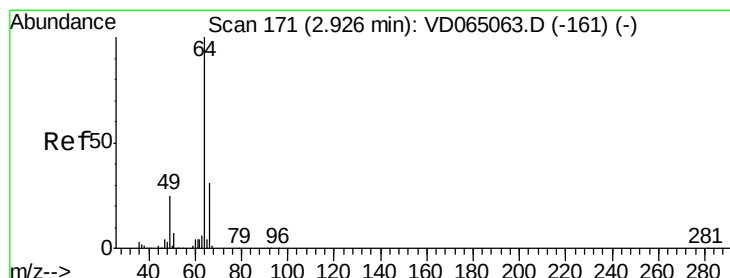
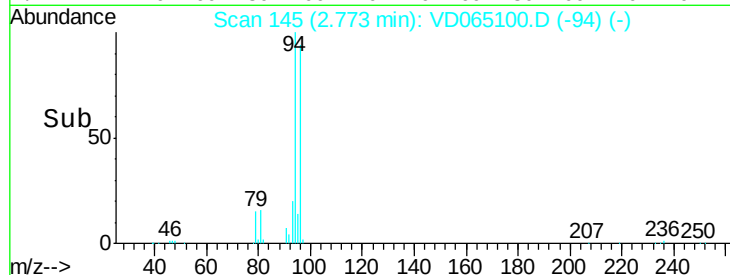
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 58.744 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065100.D

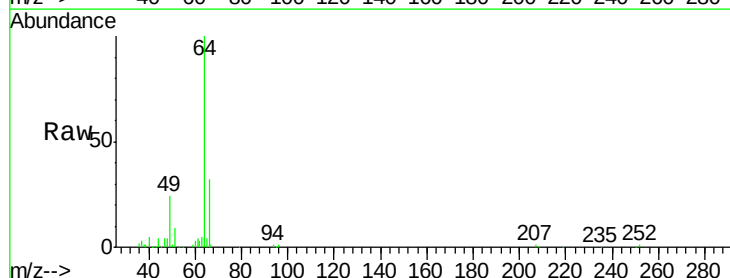
Acq: 06 Feb 2020 21:38

Tgt Ion: 64 Resp: 153116

Ion Ratio Lower Upper

64 100

66 31.9 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

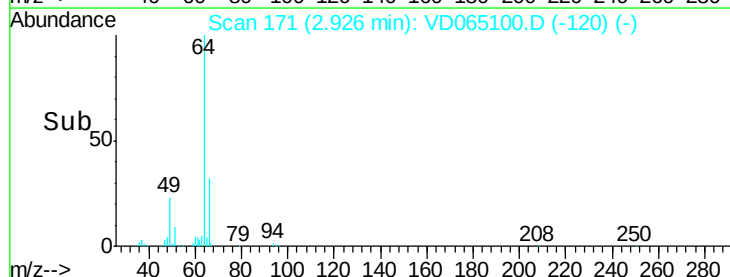
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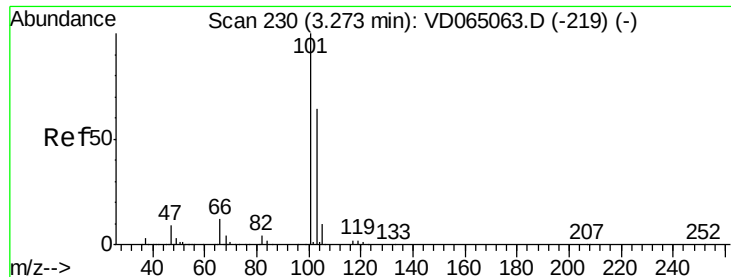
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Time-->





#7

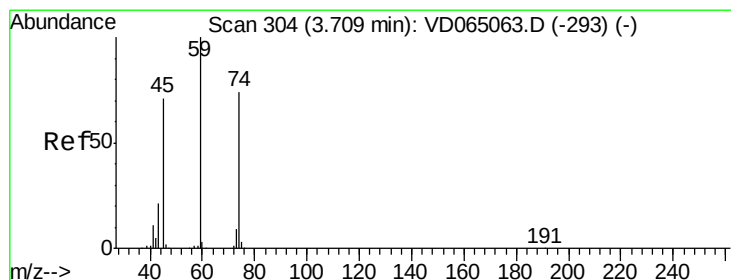
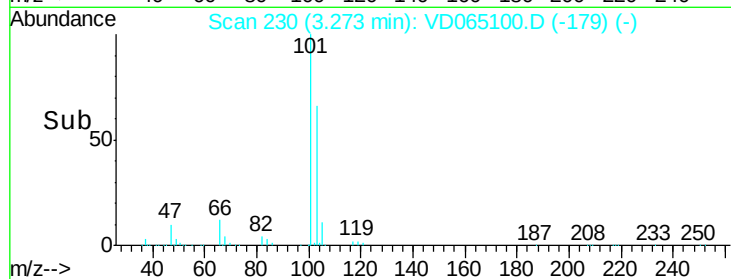
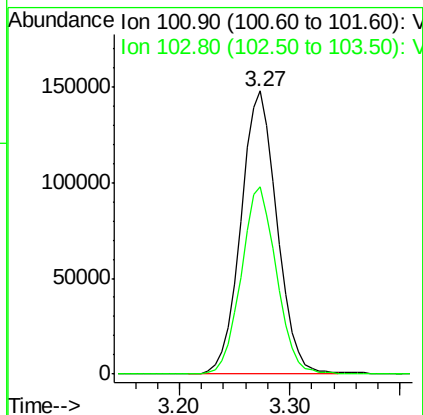
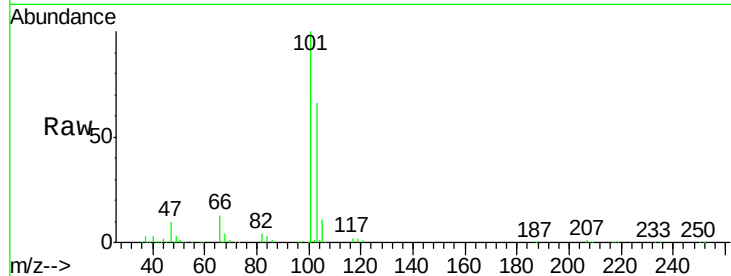
Trichlorofluoromethane
 Concen: 55.354 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.0	76.6

Manual Integrations
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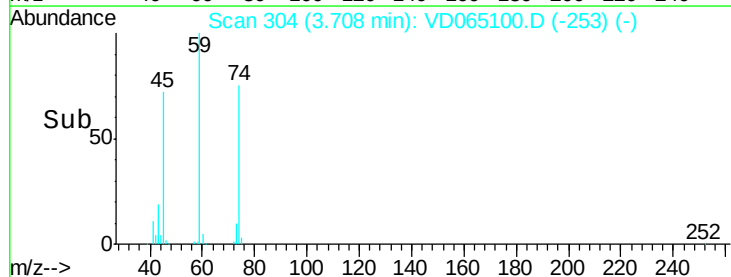
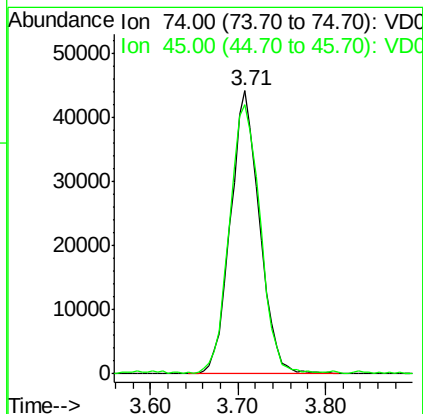
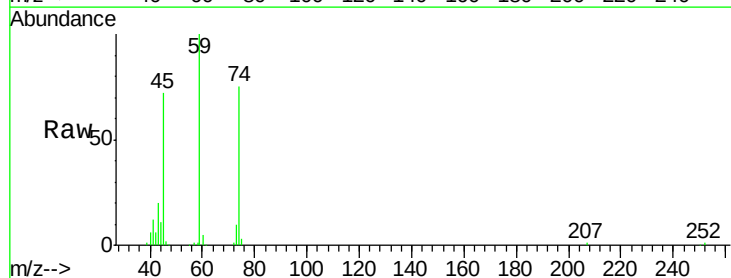
MMDadoda
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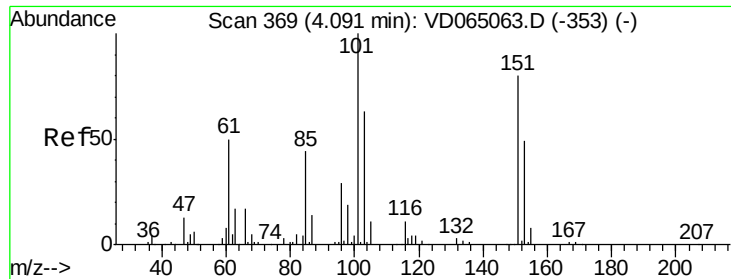


#8

Diethyl Ether
 Concen: 56.881 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.191 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065100.D

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MSVOA_D

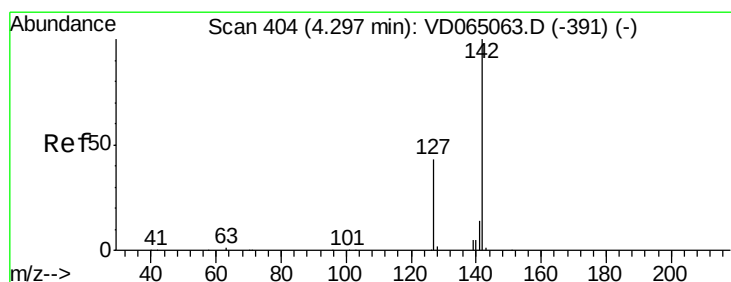
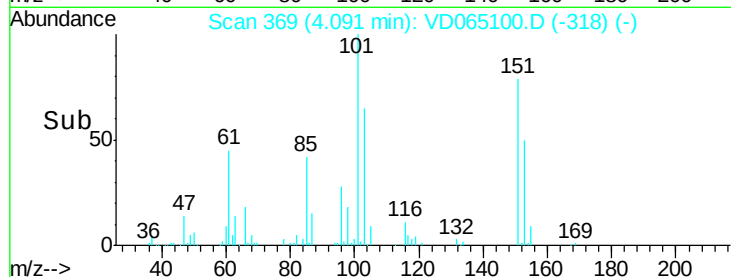
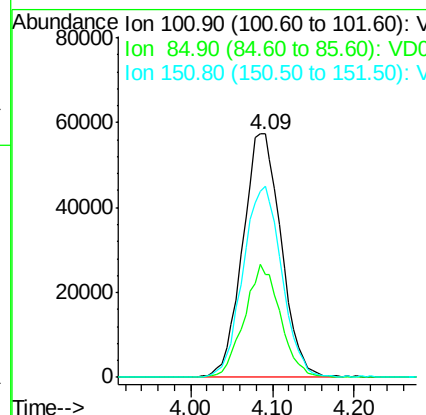
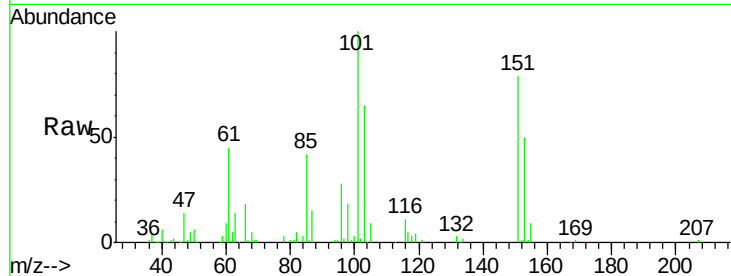
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	187630
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.0	51.0
151	79.2	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 51.839 ug/l

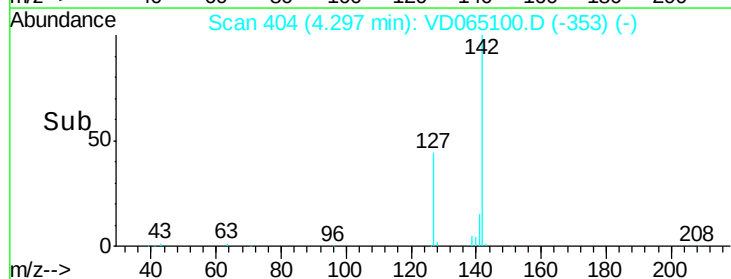
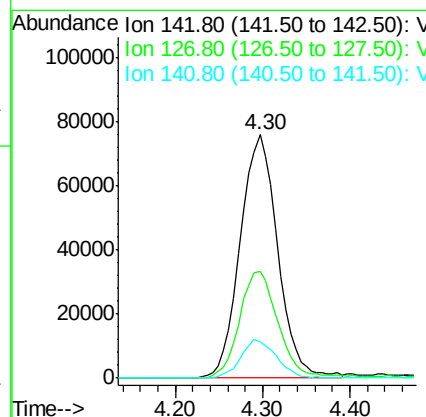
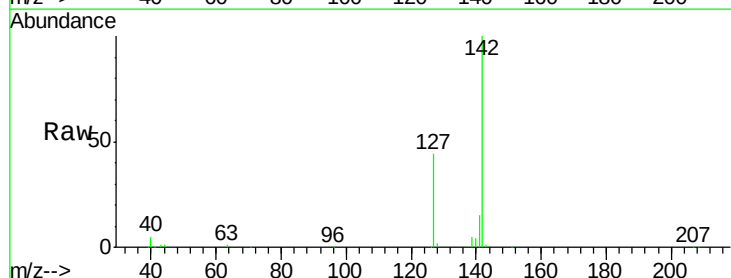
RT: 4.30 min Scan# 404

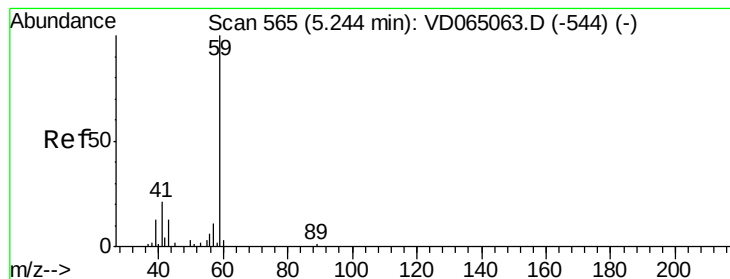
Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Tgt Ion:	142	Resp:	221189
Ion Ratio	Lower	Upper	
142	100		
127	44.9	34.0	51.0
141	15.0	11.6	17.4





#11

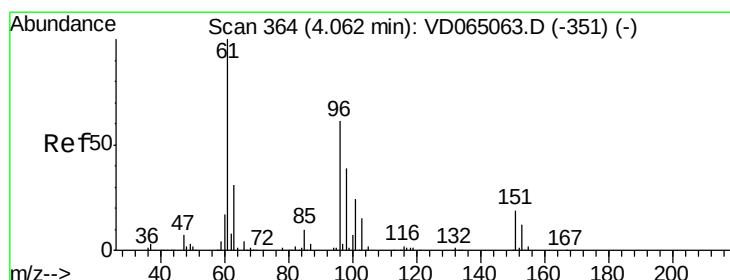
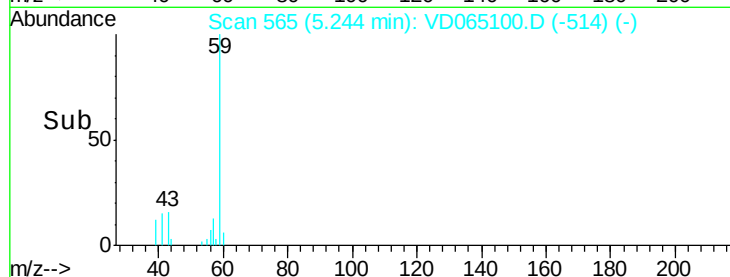
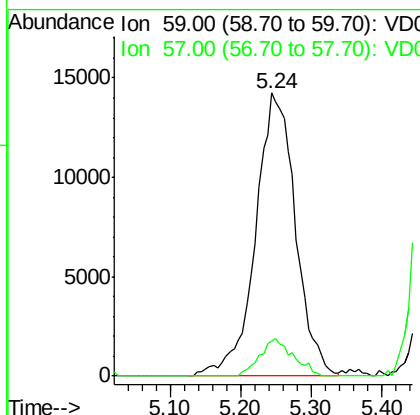
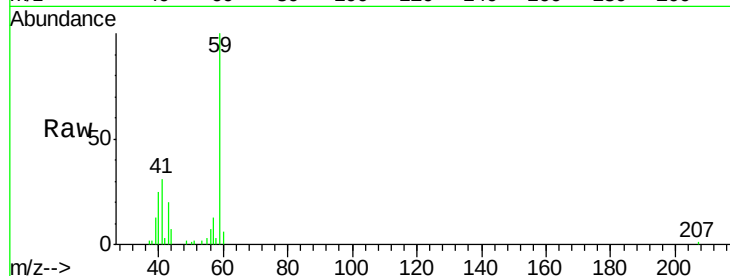
Tert butyl alcohol
 Concen: 266.624 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.8	13.2

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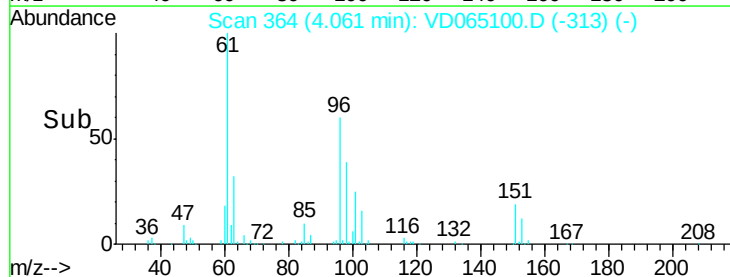
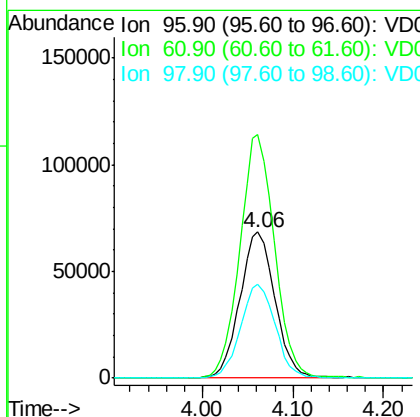
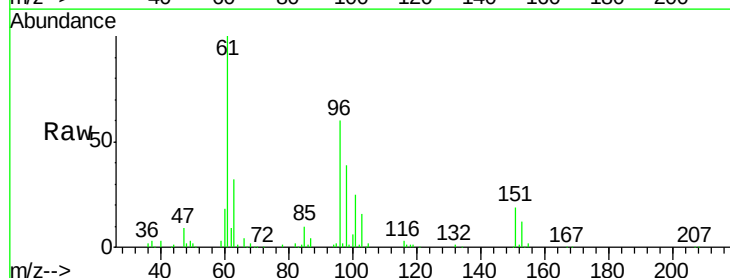
MMDadoda
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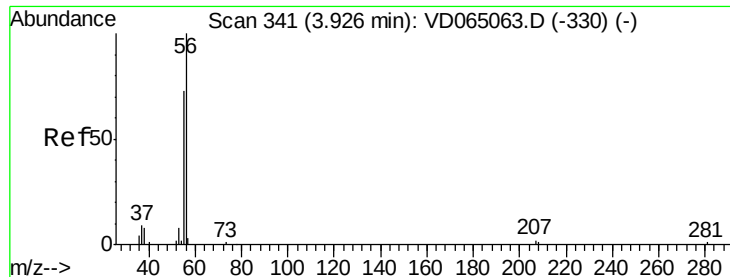


#12

1,1-Dichloroethene
 Concen: 51.352 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	131.4	197.2
98	64.3	51.1	76.7





#13

Acrolein

Concen: 293.762 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 76102

Ion Ratio Lower Upper

56 100

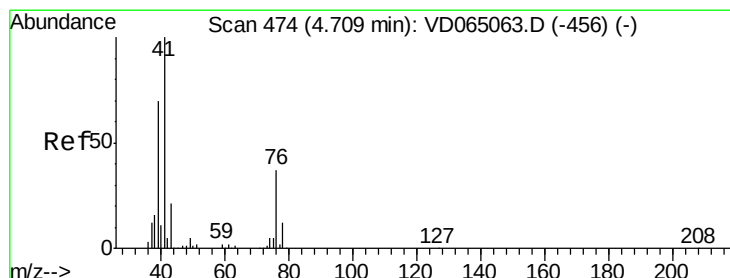
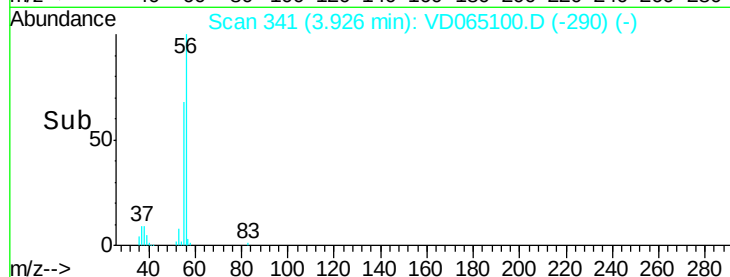
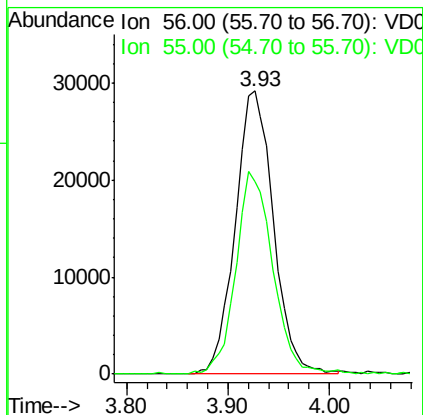
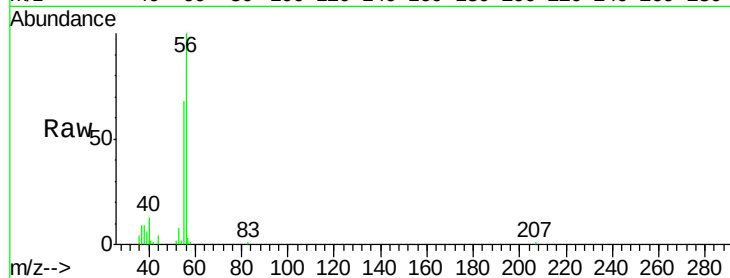
55 69.0 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 53.404 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

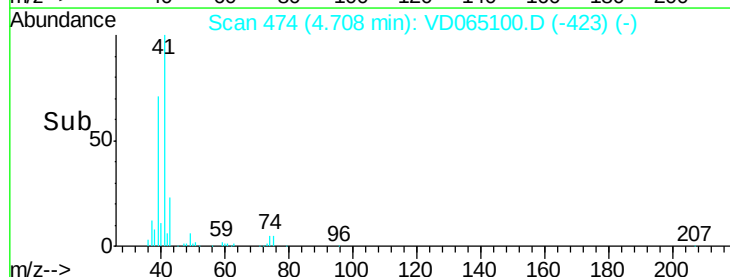
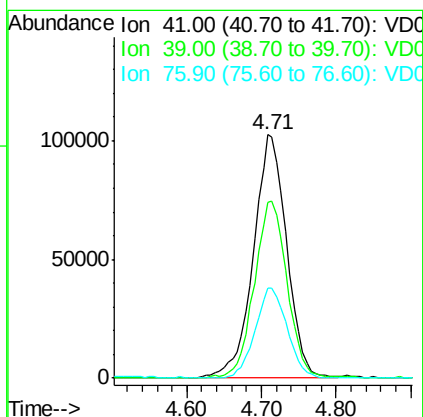
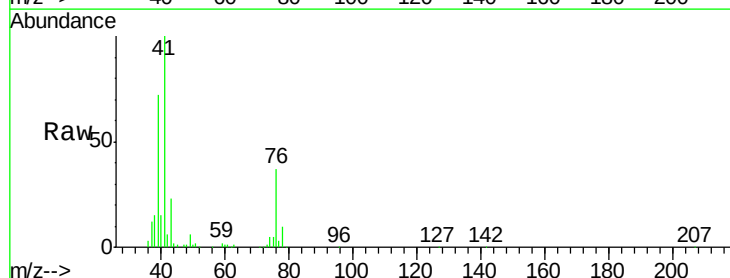
Tgt Ion: 41 Resp: 317777

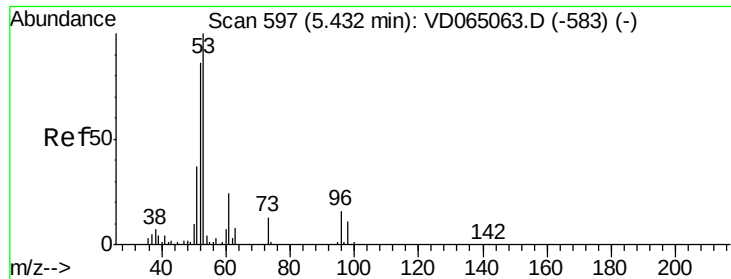
Ion Ratio Lower Upper

41 100

39 71.6 57.1 85.7

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 293.723 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

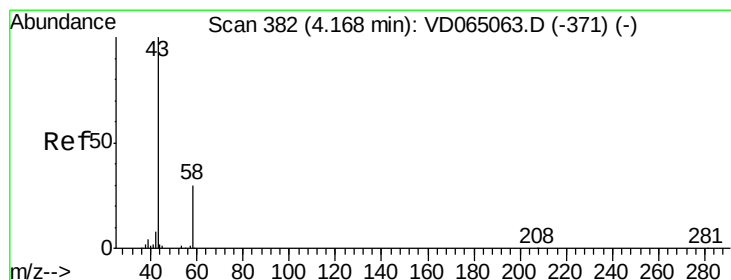
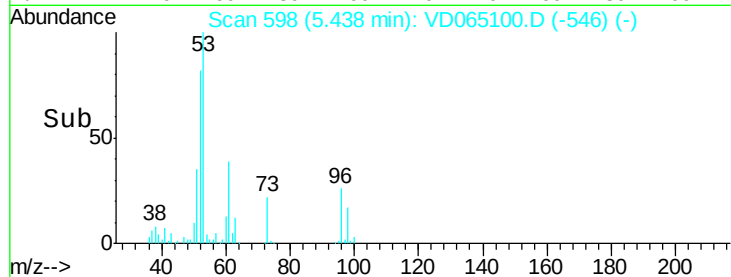
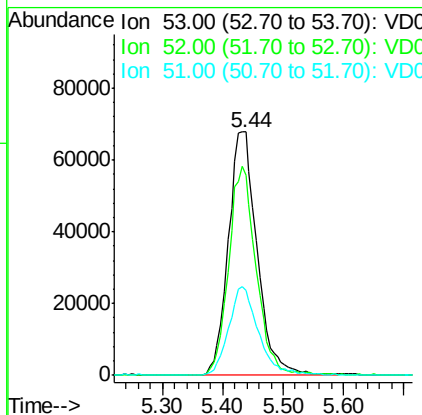
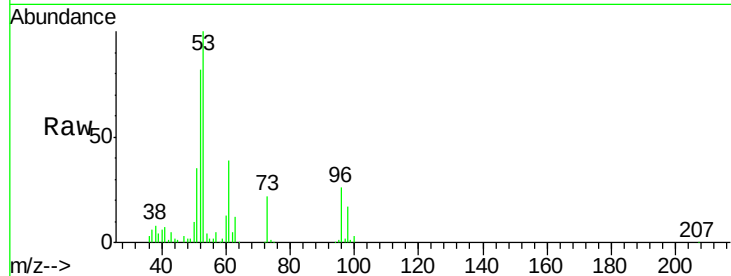
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	225429
Ion Ratio	Lower	Upper	
53	100		
52	81.1	66.2	99.2
51	37.5	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 263.864 ug/l

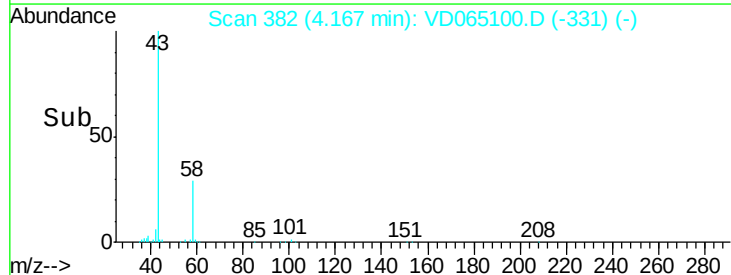
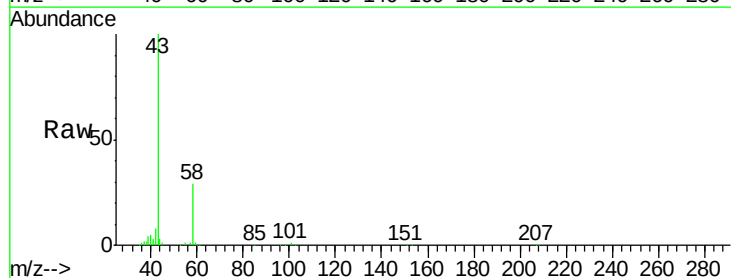
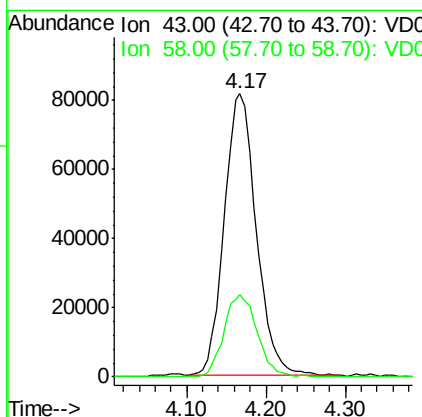
RT: 4.17 min Scan# 382

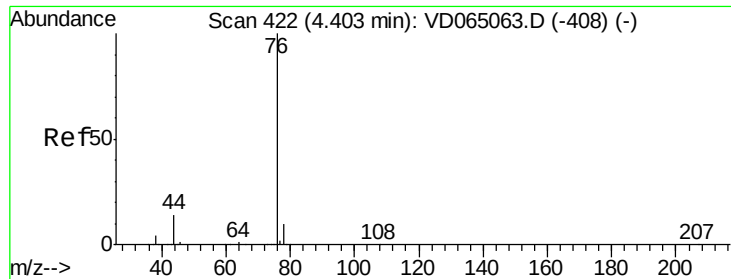
Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Tgt Ion	43	Resp	227417
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.5	35.3





#17

Carbon Disulfide

Concen: 53.715 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 617476

Ion Ratio Lower Upper

76 100

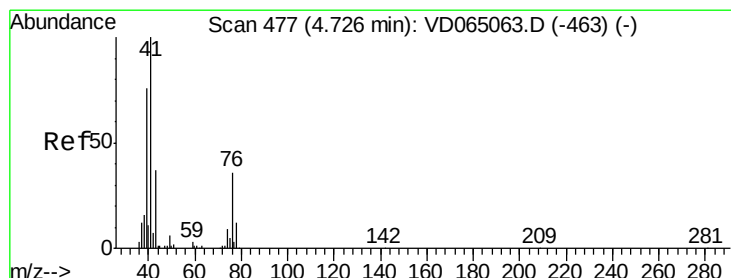
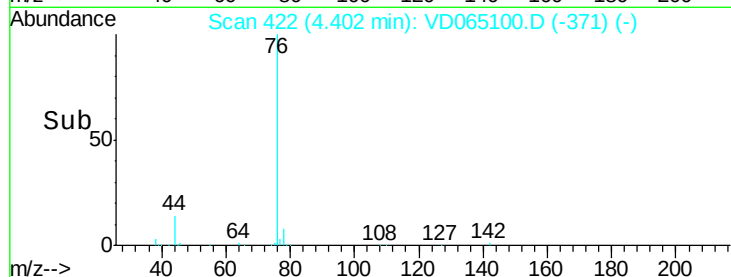
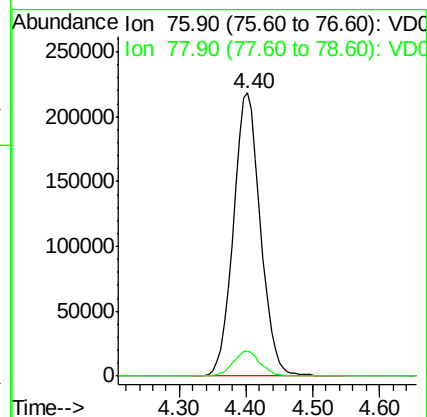
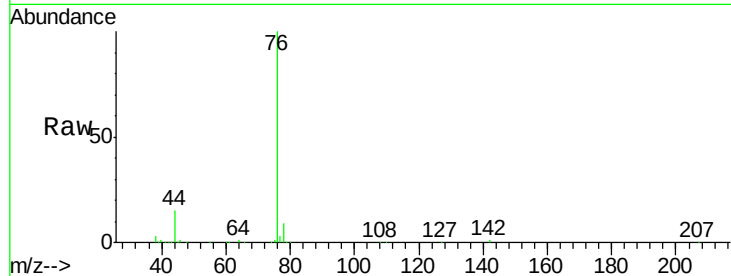
78 8.9 7.6 11.4

Manual Integrations

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#18

Methyl Acetate

Concen: 58.116 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065100.D

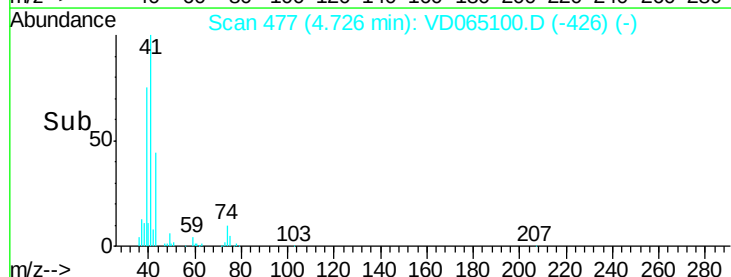
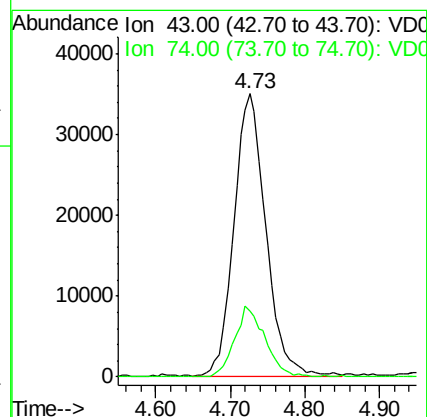
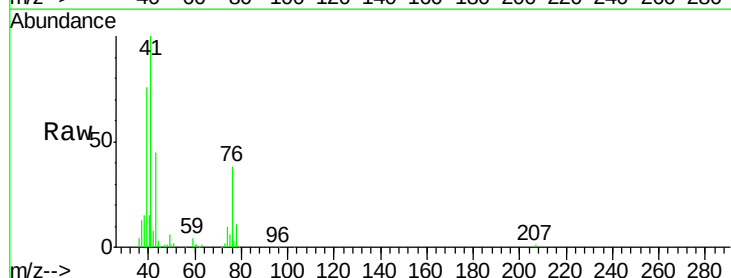
Acq: 06 Feb 2020 21:38

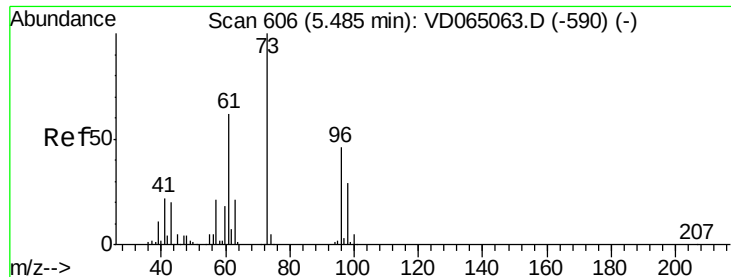
Tgt Ion: 43 Resp: 104649

Ion Ratio Lower Upper

43 100

74 23.5 18.7 28.1





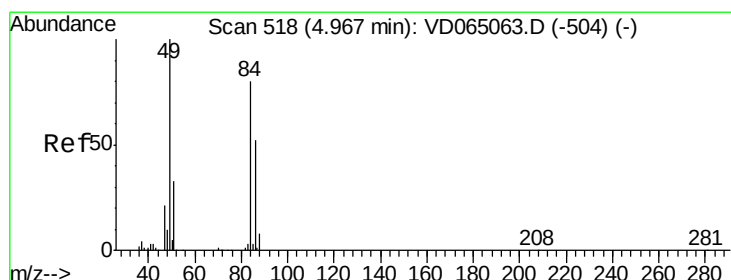
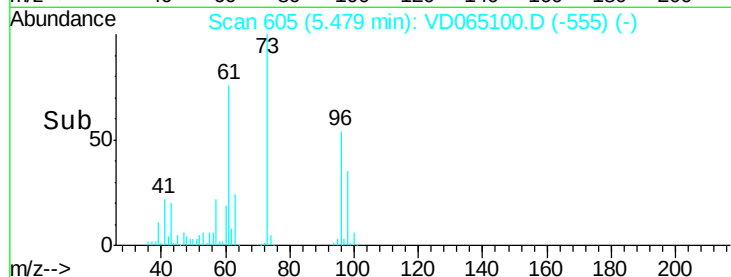
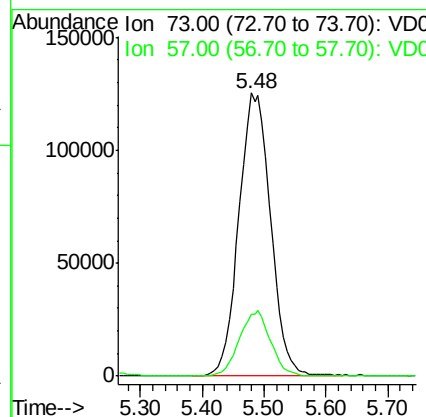
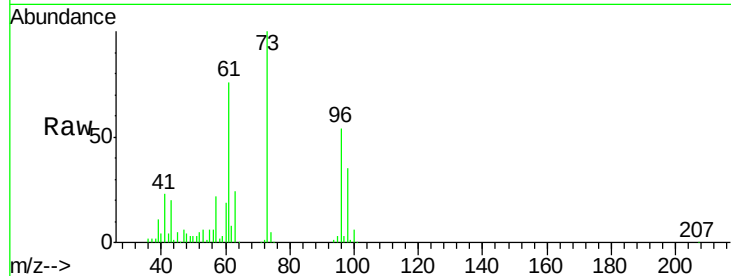
#19
Methyl tert-butyl Ether
Concen: 56.796 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 449668
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2

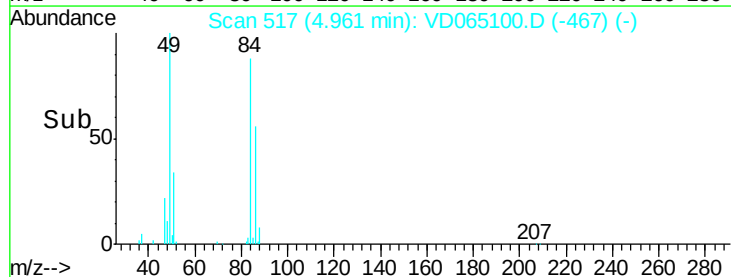
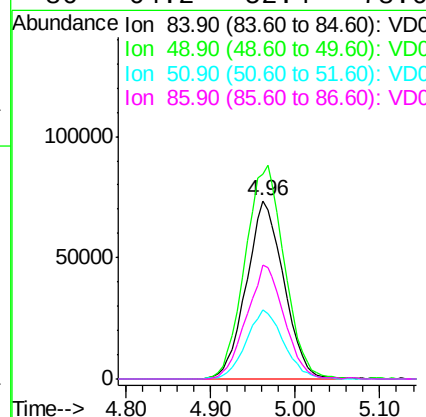
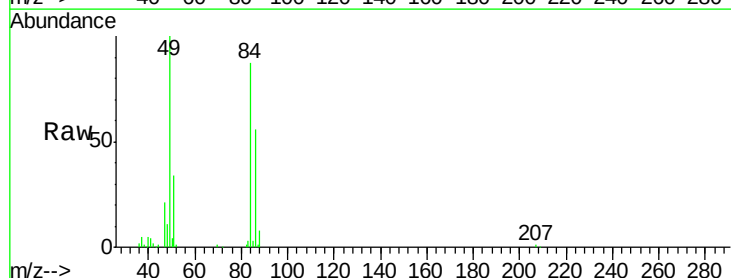
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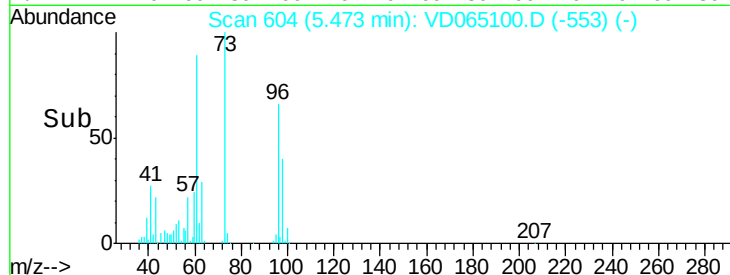
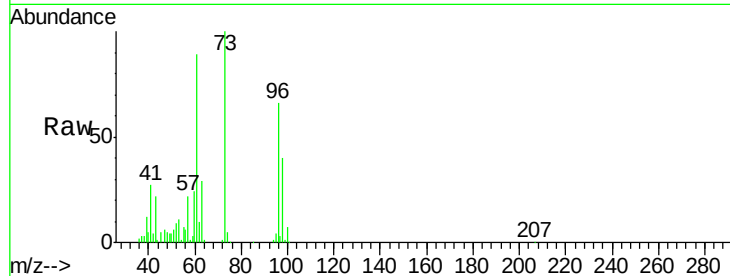
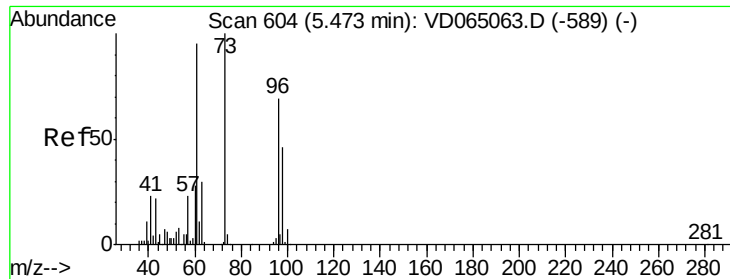
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#20
Methylene Chloride
Concen: 60.562 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion: 84 Resp: 226671
Ion Ratio Lower Upper
84 100
49 114.7 100.4 150.6
51 38.6 32.7 49.1
86 64.2 52.4 78.6





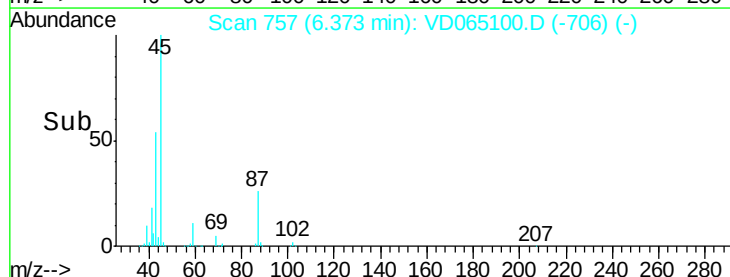
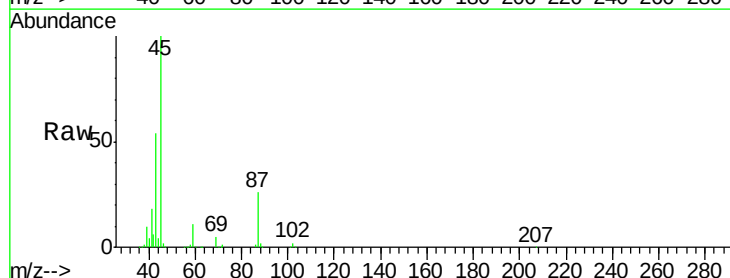
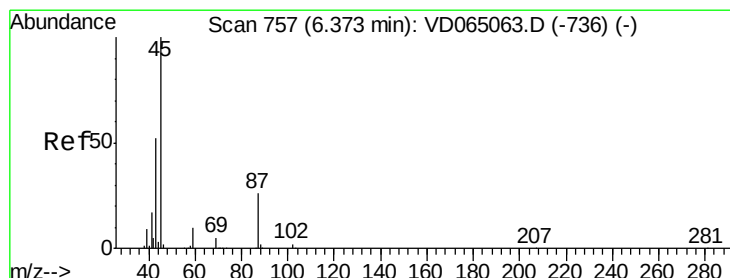
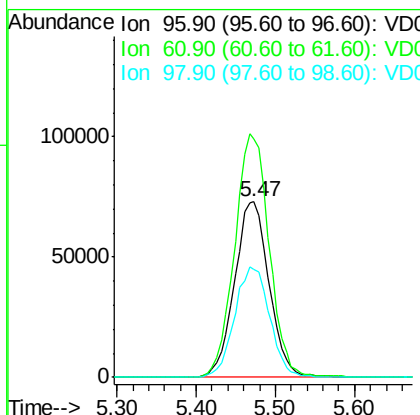
#21
trans-1,2-Dichloroethene
Concen: 54.350 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.5	164.3
98	61.4	53.7	80.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

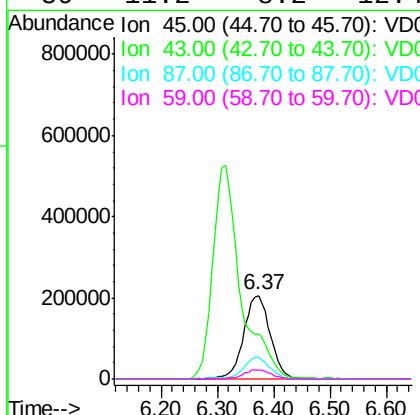
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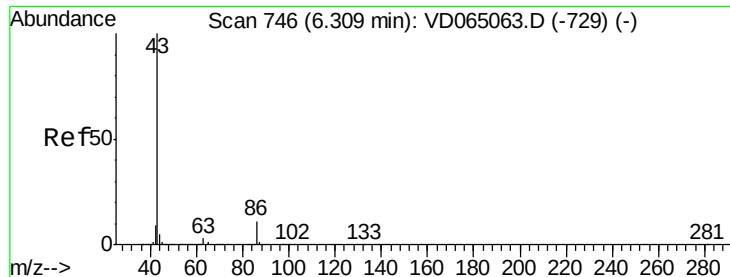
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#22
Diisopropyl ether
Concen: 59.886 ug/l
RT: 6.37 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	41.3	61.9
87	25.9	21.0	31.6
59	11.2	8.2	12.4





#23

Vinyl Acetate

Concen: 289.891 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1813544

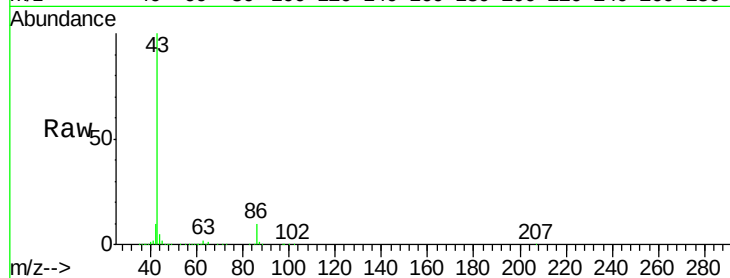
Ion Ratio Lower Upper

43 100

86 10.4 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

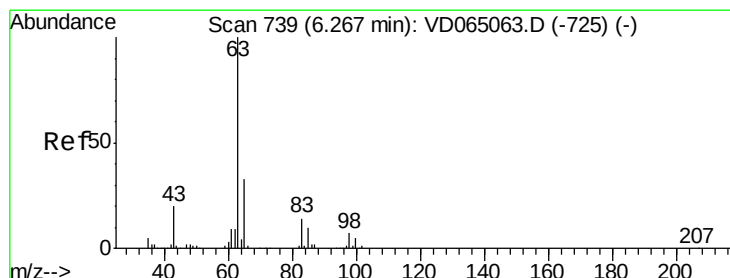
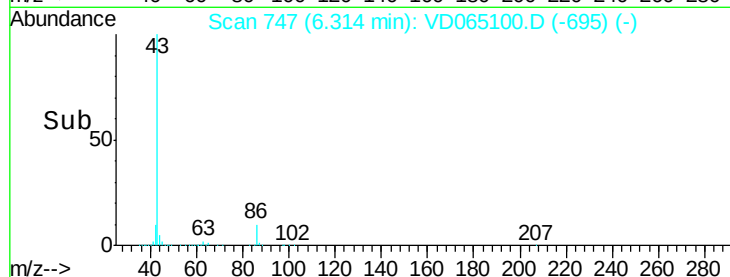
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.198 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

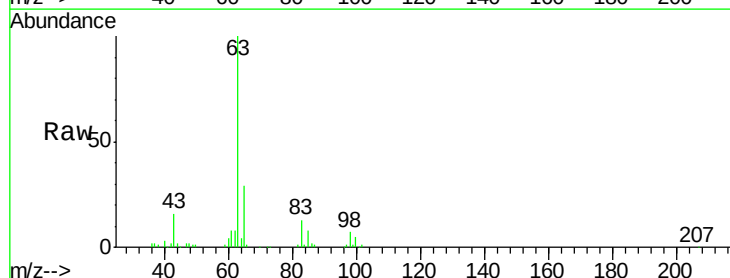
Tgt Ion: 63 Resp: 388583

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.8 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

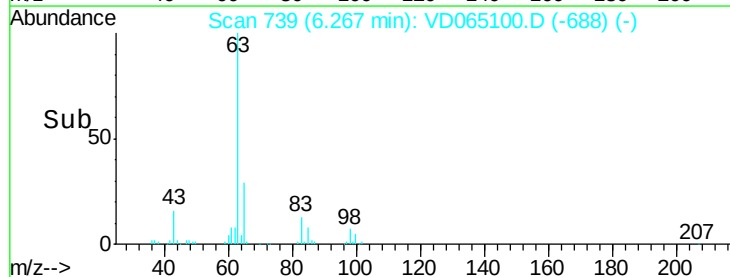
150000

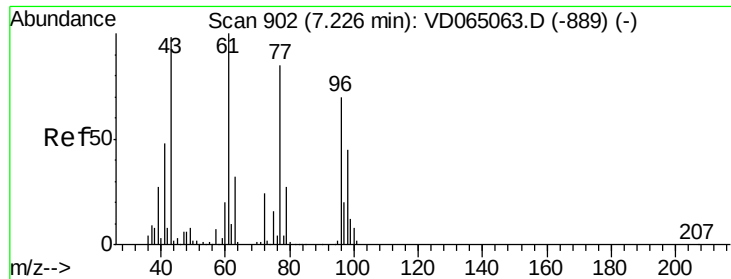
100000

50000

0

Time-->





#25

2-Butanone

Concen: 285.935 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 293965

Ion Ratio Lower Upper

43 100

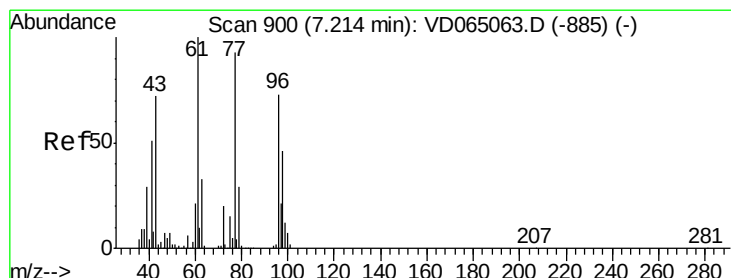
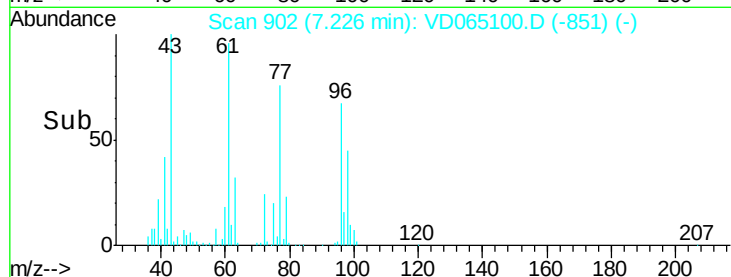
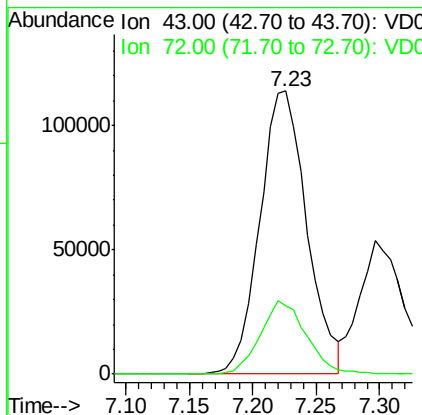
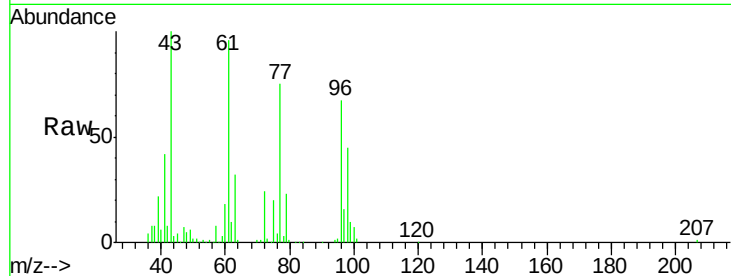
72 24.2 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.079 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065100.D

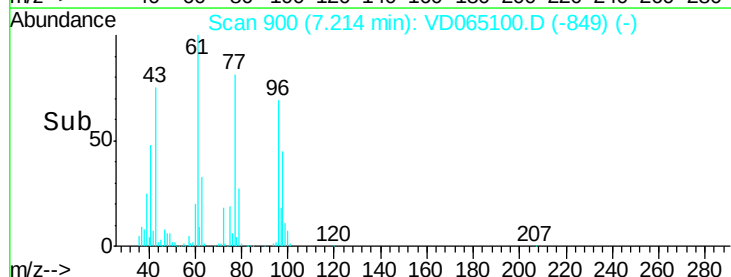
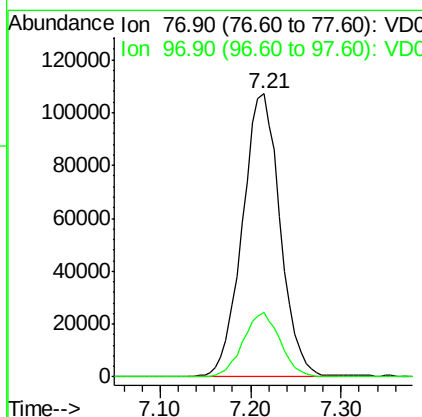
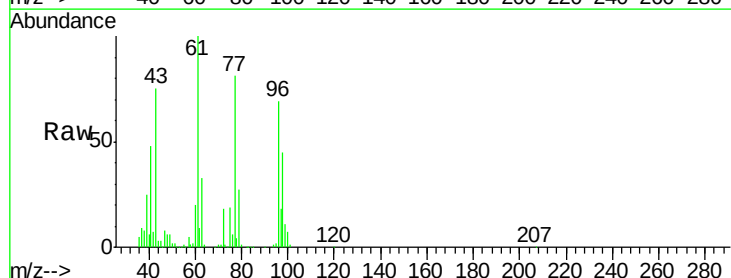
Acq: 06 Feb 2020 21:38

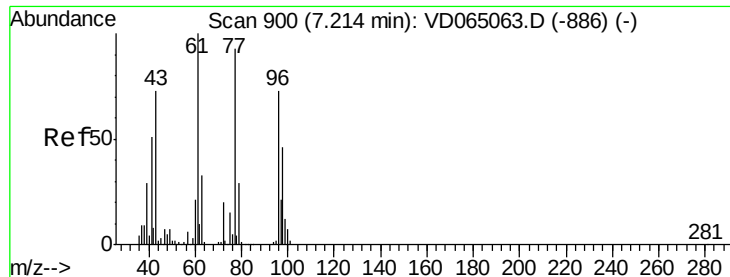
Tgt Ion: 77 Resp: 311035

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 55.850 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

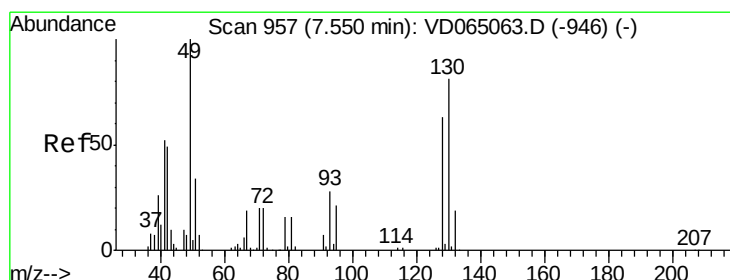
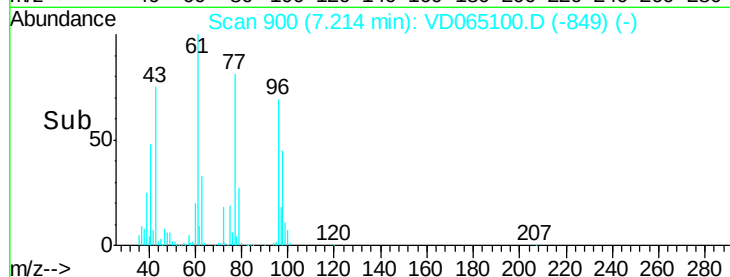
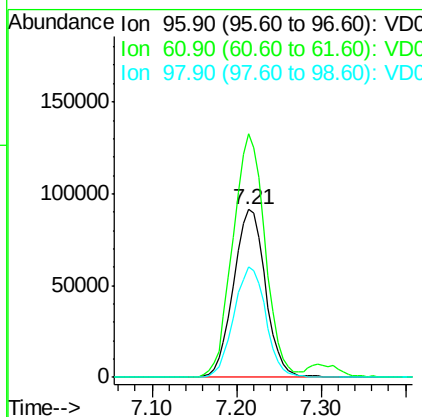
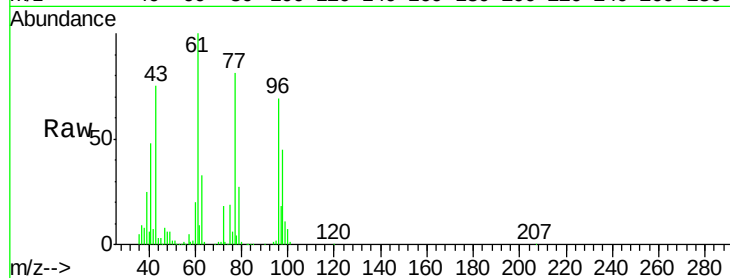
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	240341
Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	292.8
98	65.4	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 62.930 ug/l

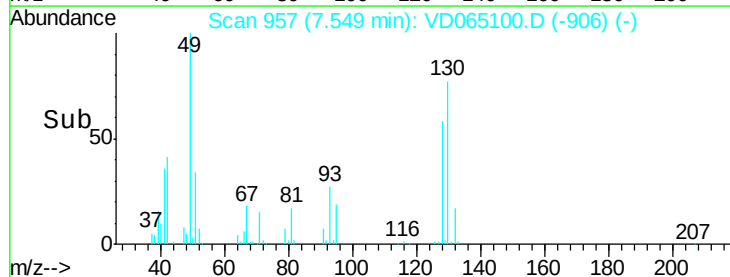
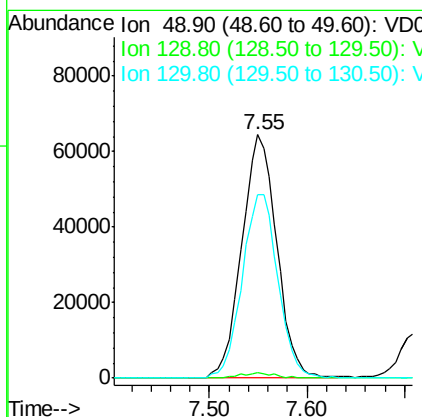
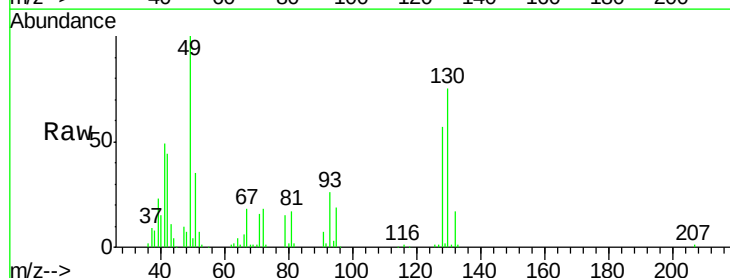
RT: 7.55 min Scan# 957

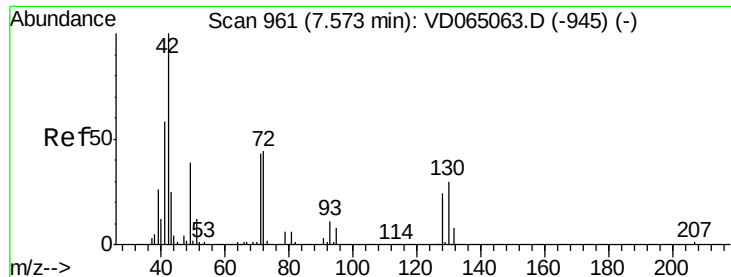
Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Tgt Ion:	49	Resp:	162061
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.7	63.8	95.8





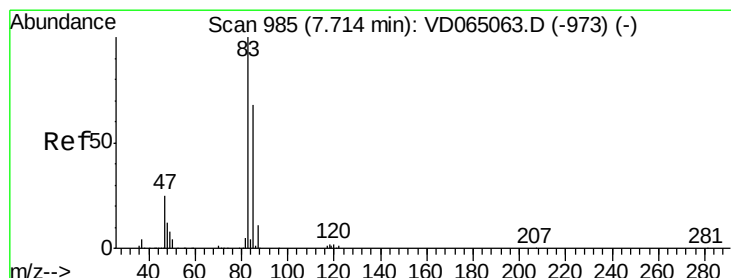
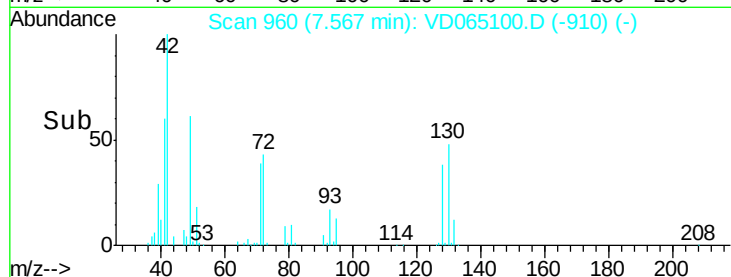
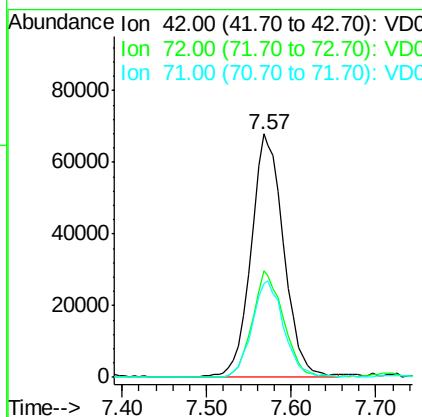
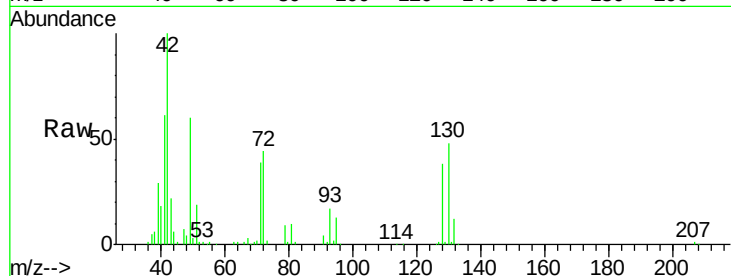
#29
Tetrahydrofuran
Concen: 294.263 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.4
71	38.7	31.8	47.6

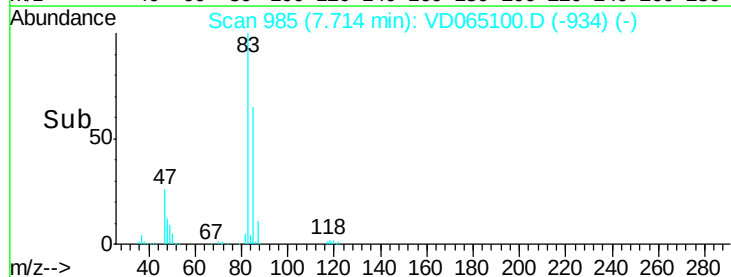
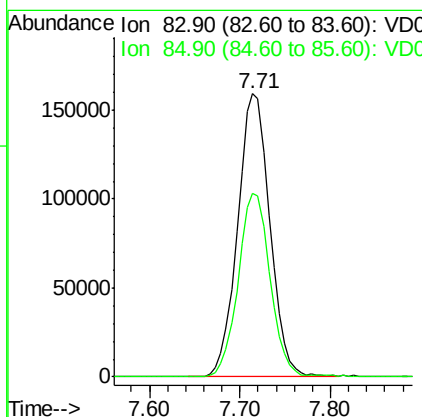
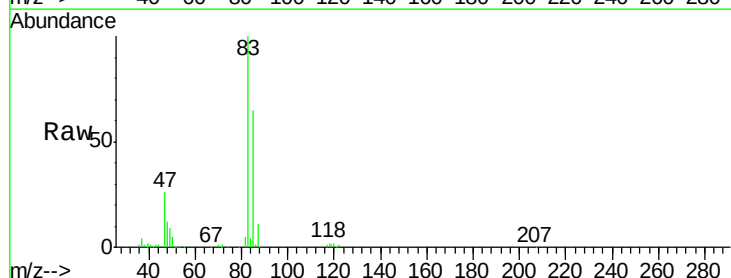
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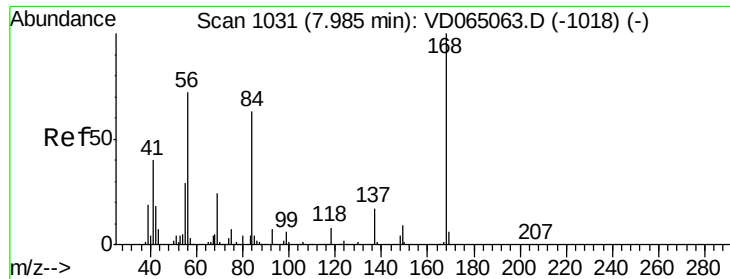
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#30
Chloroform
Concen: 58.141 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.2	81.4





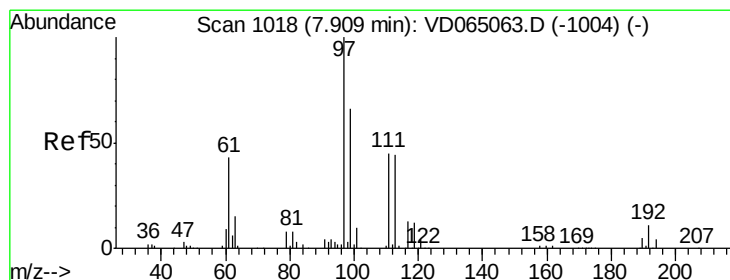
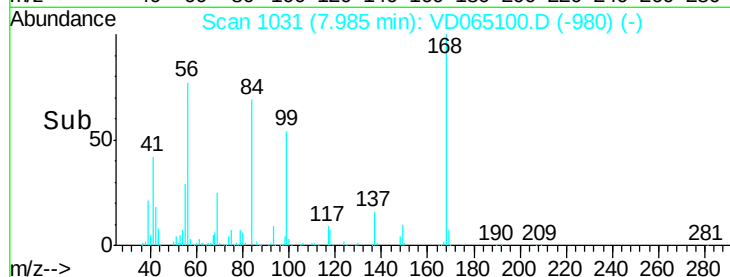
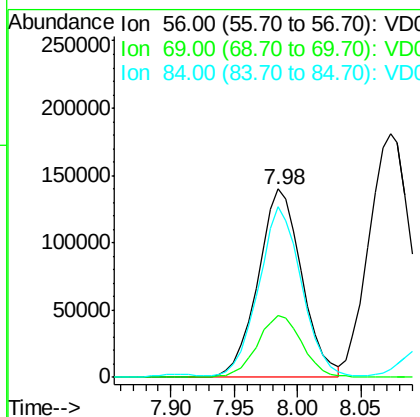
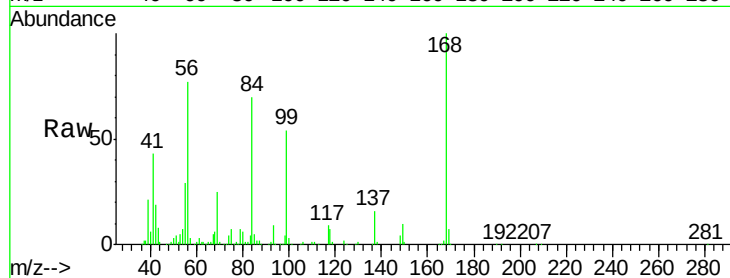
#31
Cyclohexane
Concen: 49.057 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.6	40.0
84	89.4	70.6	106.0

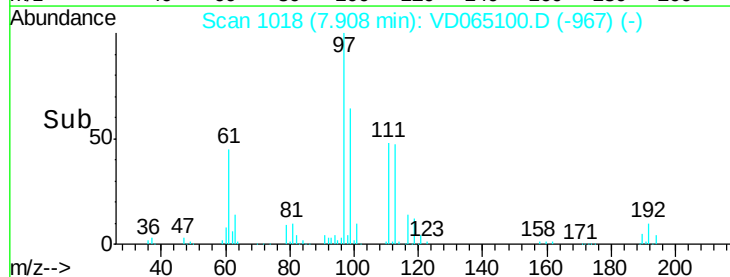
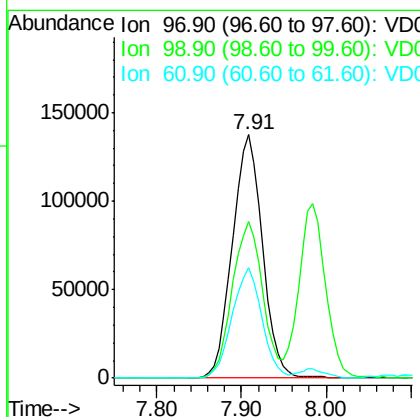
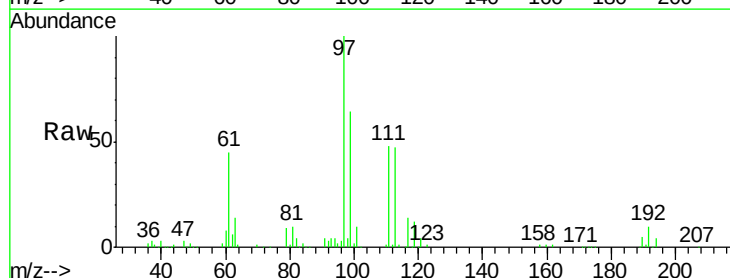
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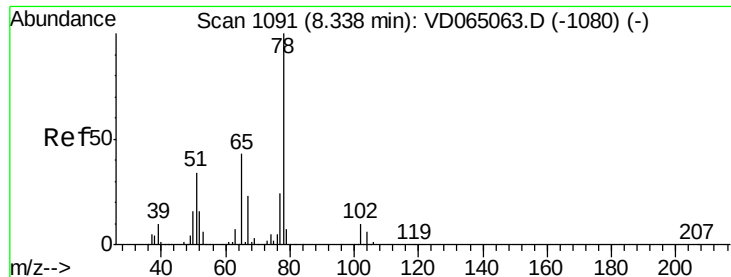
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#32
1,1,1-Trichloroethane
Concen: 53.792 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.5	77.3
61	44.5	34.8	52.2





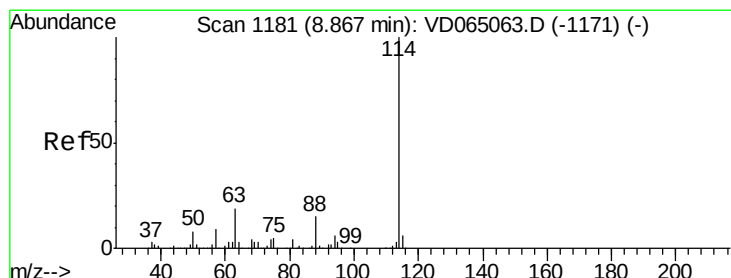
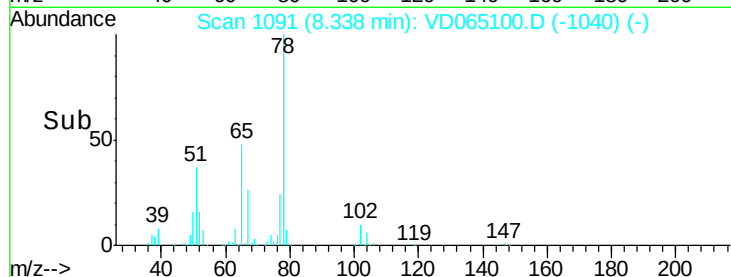
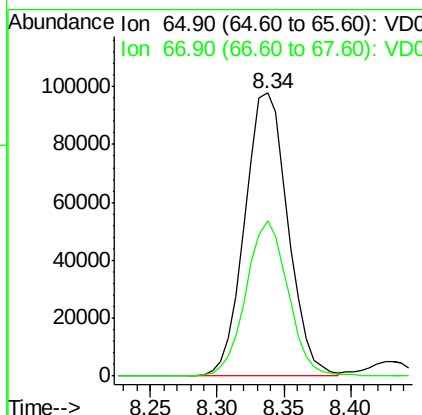
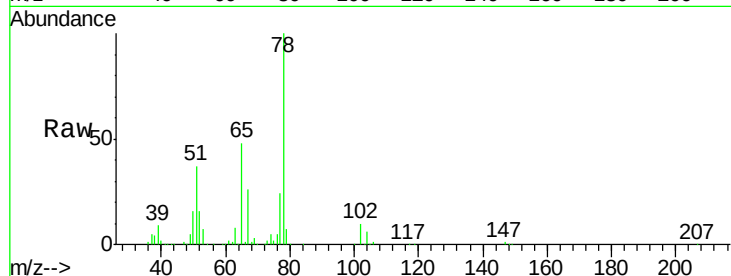
#33
 1,2-Dichloroethane-d4
 Concen: 63.586 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219196		
67	53.6	0.0	105.8	

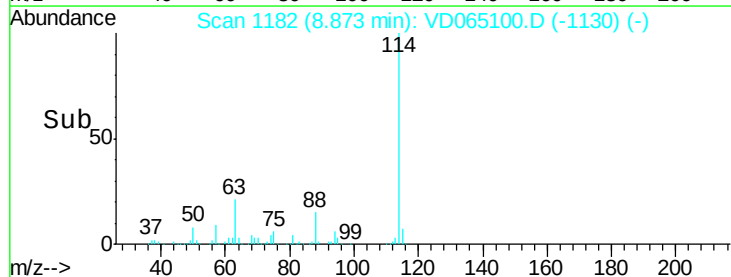
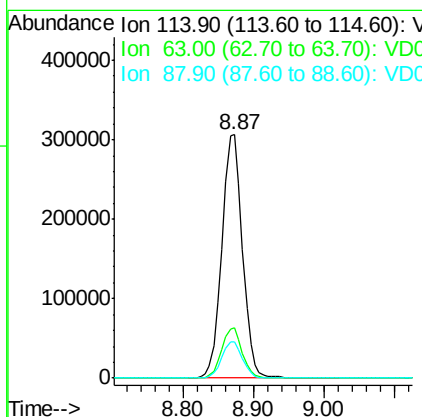
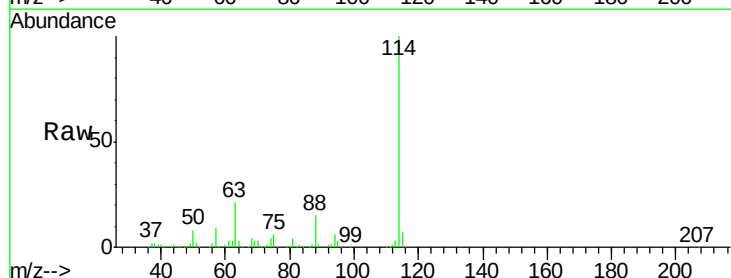
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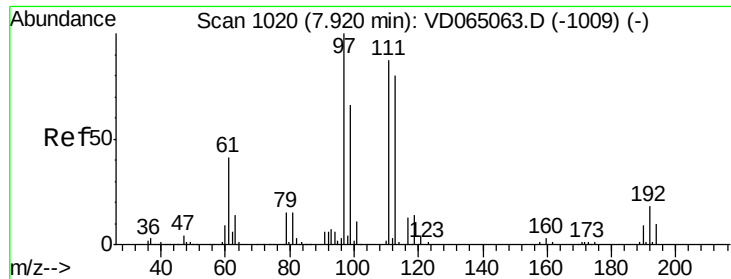
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	622047		
63	20.6	0.0	38.8	
88	15.1	0.0	29.6	





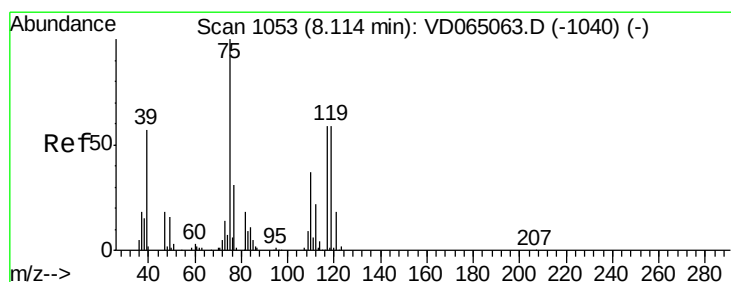
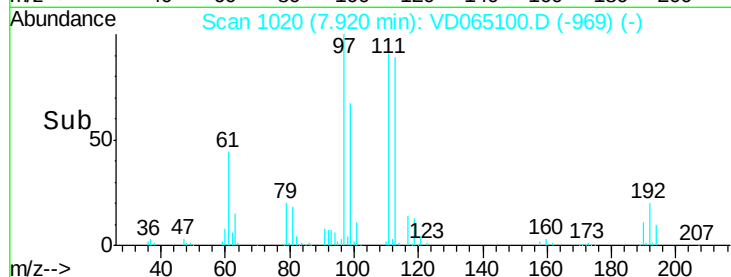
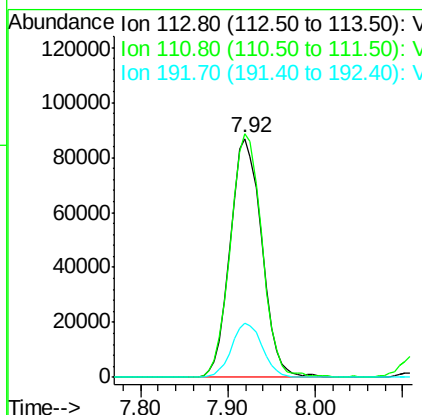
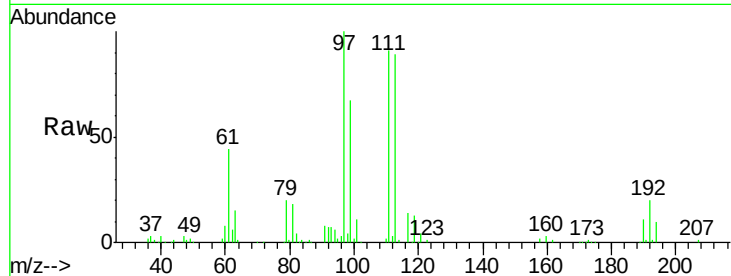
#35
Dibromofluoromethane
Concen: 61.580 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213721		
111	101.3	83.1	124.7	
192	21.9	18.1	27.1	

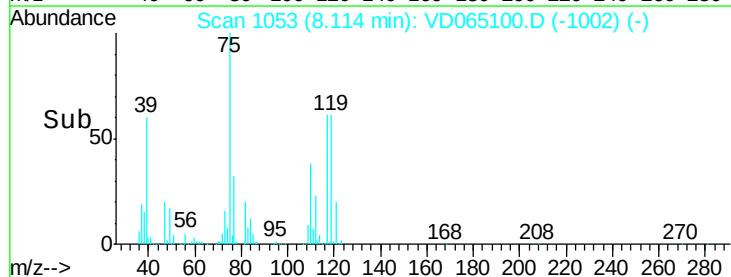
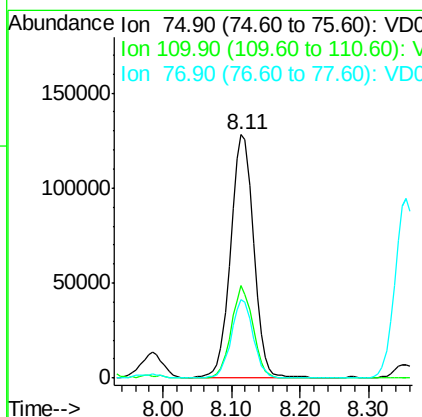
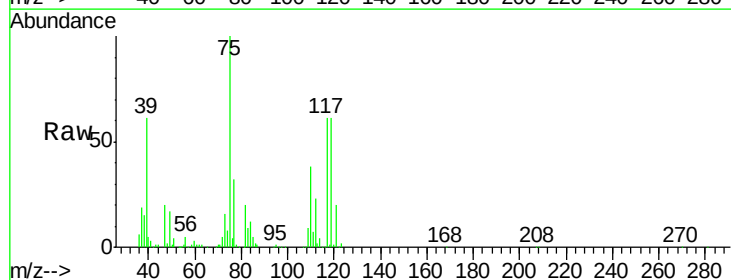
Manual Integrations
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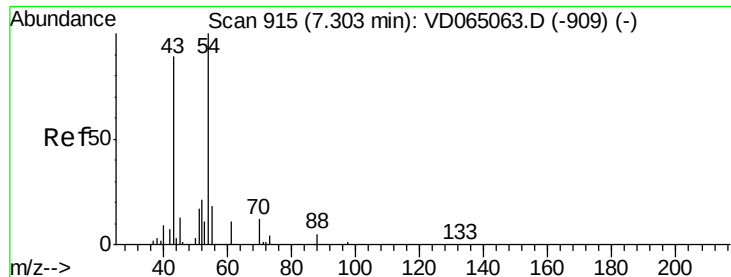
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.817 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299714		
110	35.6	18.1	54.3	
77	30.2	24.7	37.1	





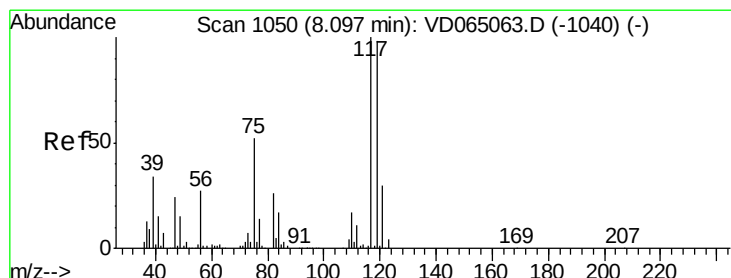
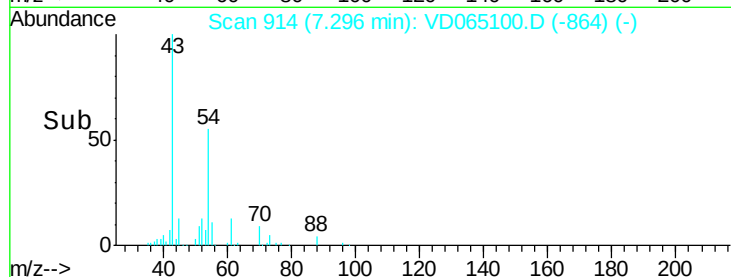
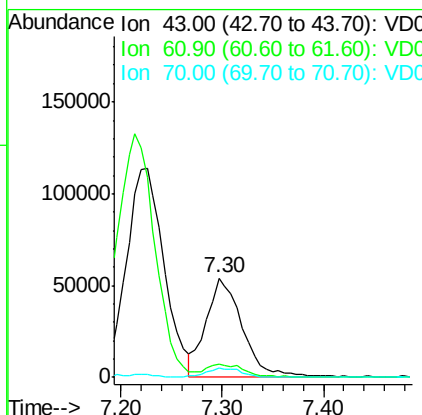
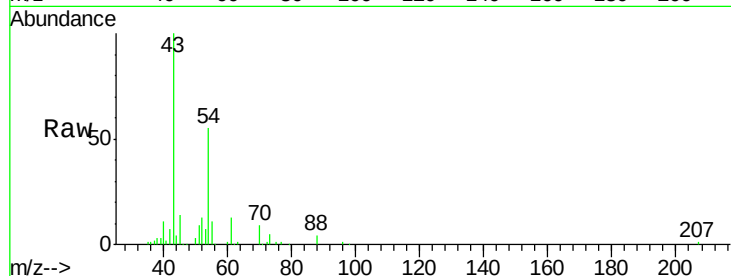
#37
Ethyl Acetate
Concen: 56.102 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.1	8.2	12.2

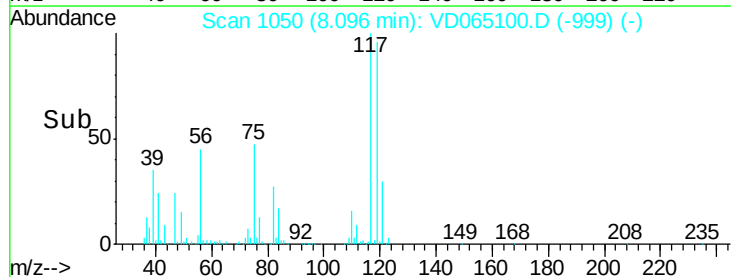
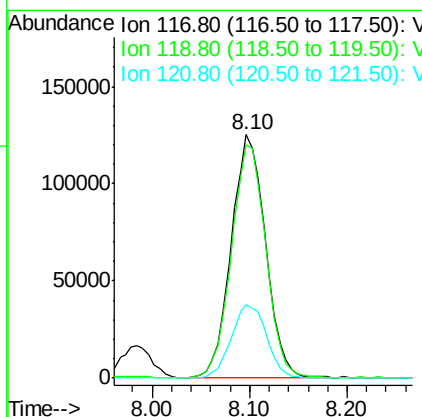
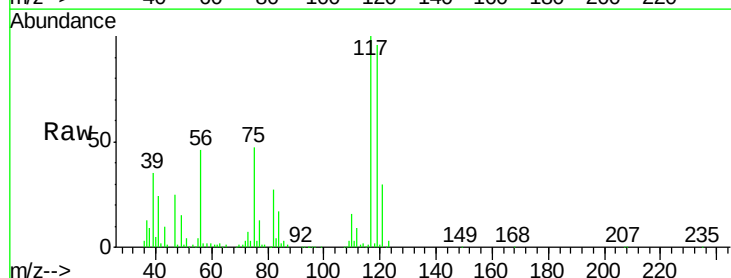
Manual Integrations
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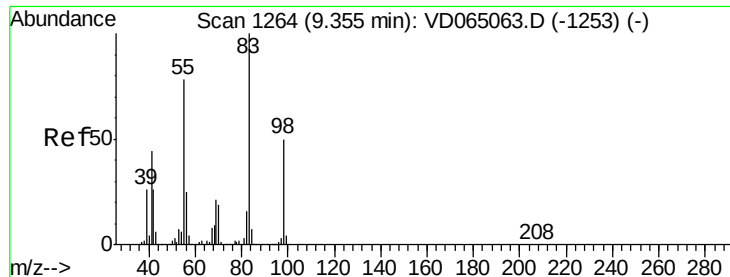
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#38
Carbon Tetrachloride
Concen: 51.515 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.5	117.7
121	30.0	23.8	35.6





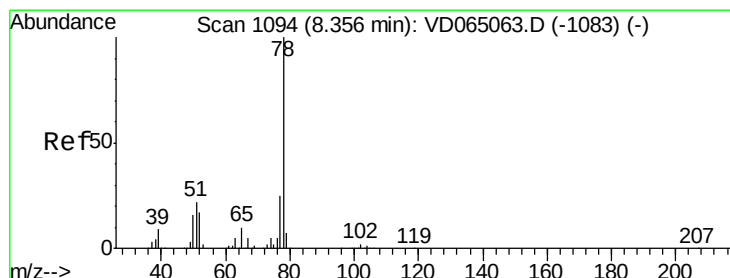
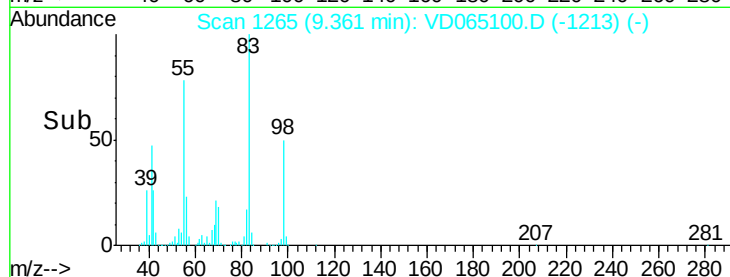
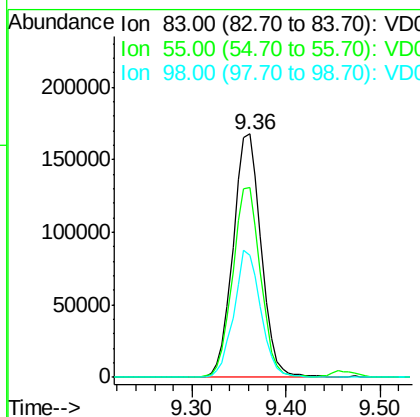
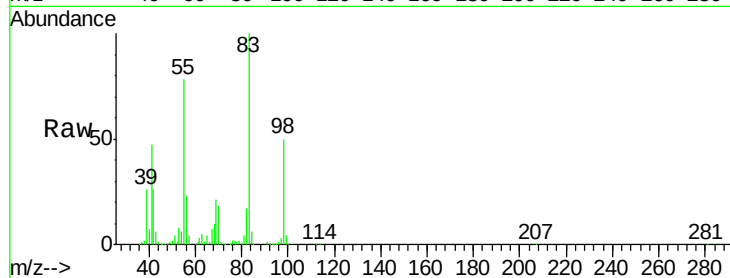
#39
Methylvlcyclohexane
Concen: 48.714 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.0	93.0
98	50.0	39.9	59.9

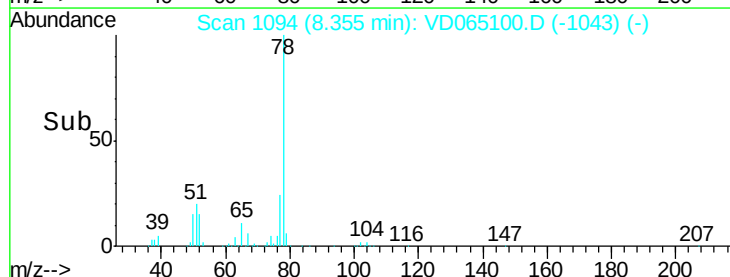
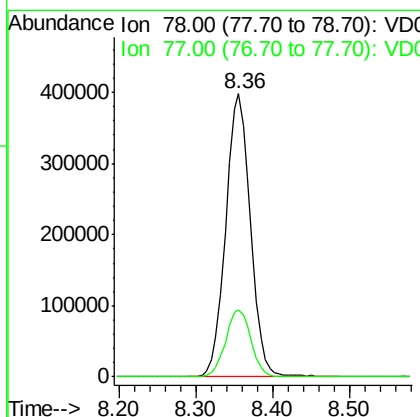
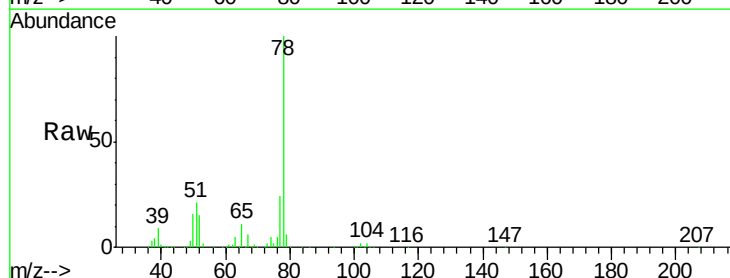
Manual Integrations
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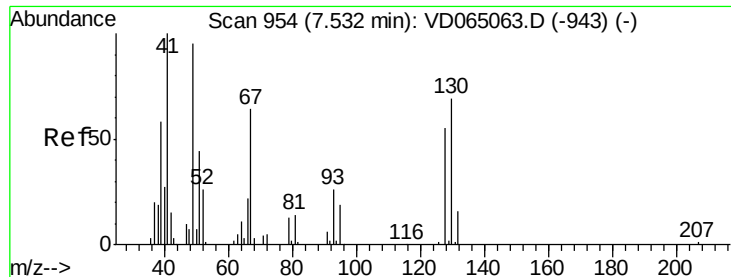
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#40
Benzene
Concen: 55.697 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





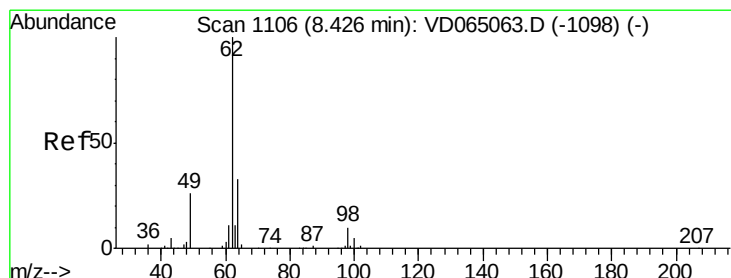
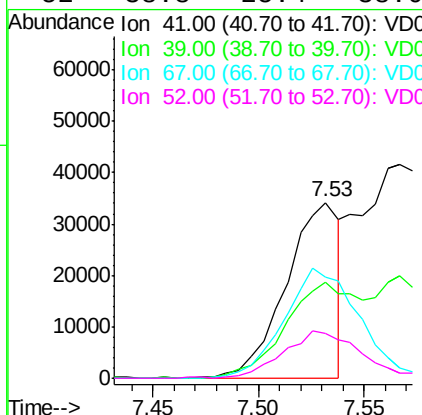
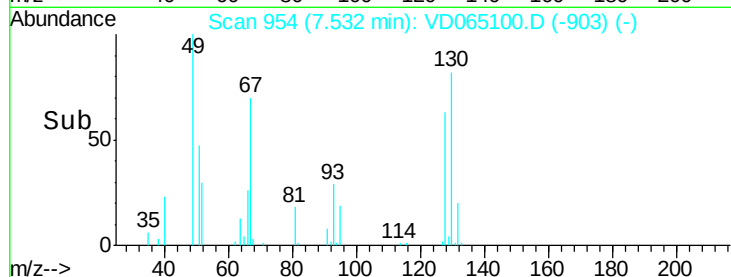
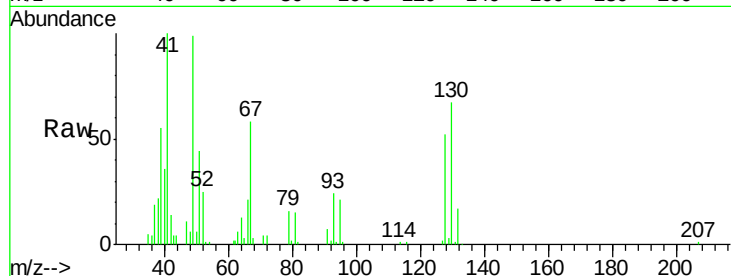
#41
Methacrylonitrile
Concen: 46.537 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	60583
Ion	Ratio	Lower	Upper
41	100		
39	73.9	55.4	83.0
67	87.2	59.0	88.6
52	38.8	25.4	38.0#

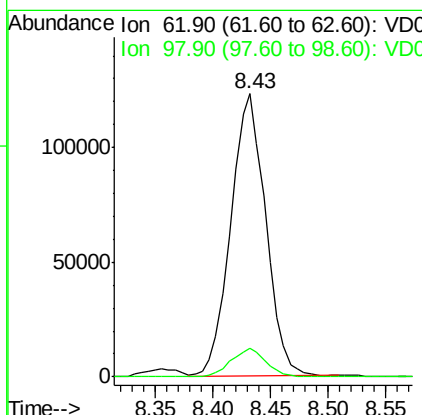
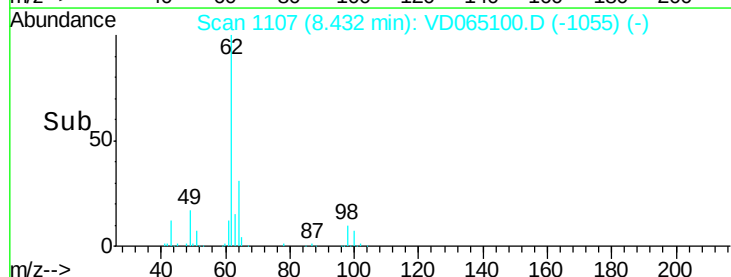
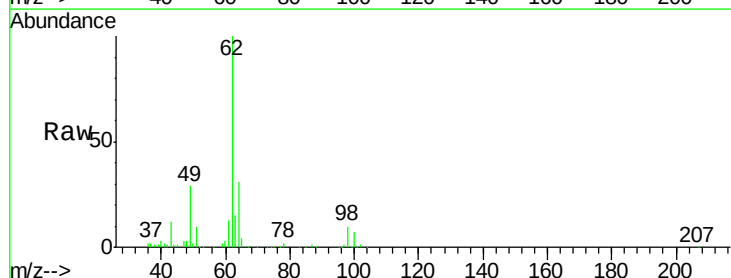
Manual Integrations
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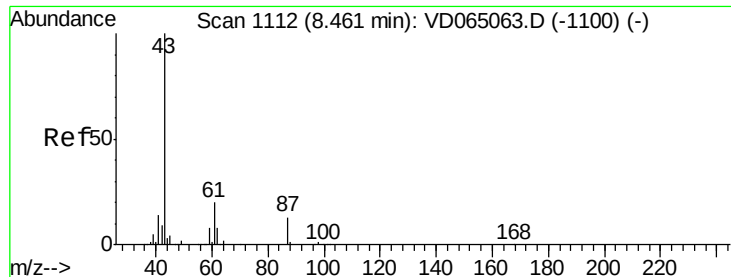
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#42
1,2-Dichloroethane
Concen: 56.679 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	62	Resp	257956
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 55.433 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

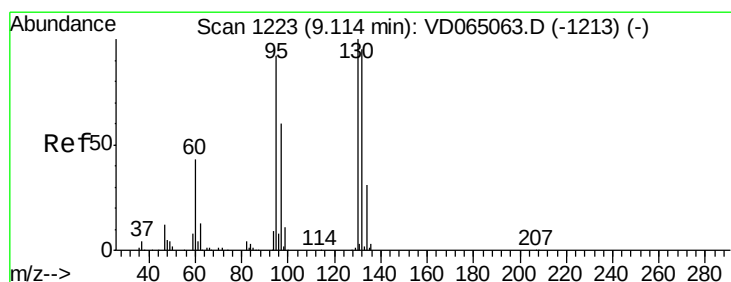
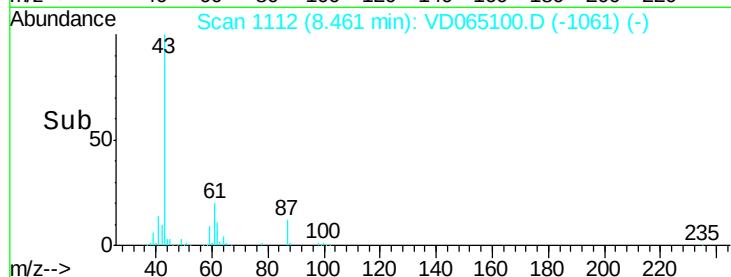
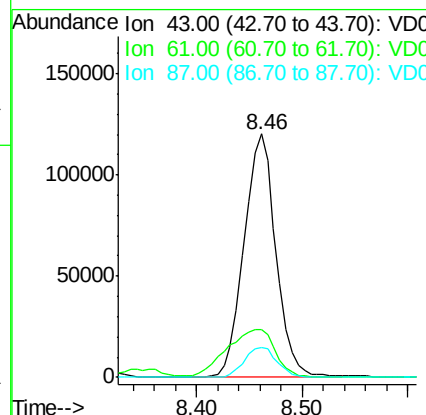
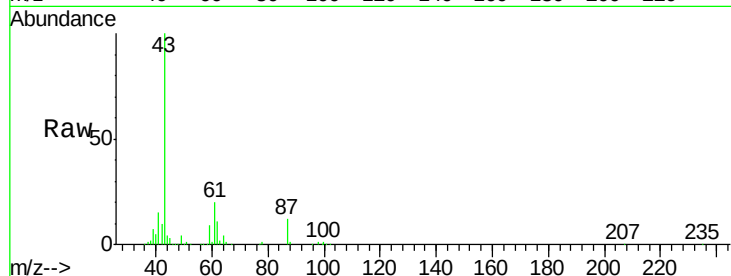
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	250572
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	12.8	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.345 ug/l

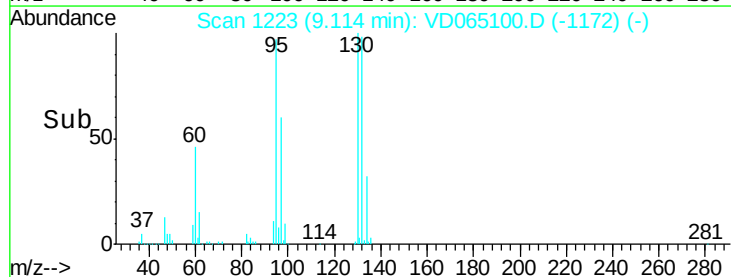
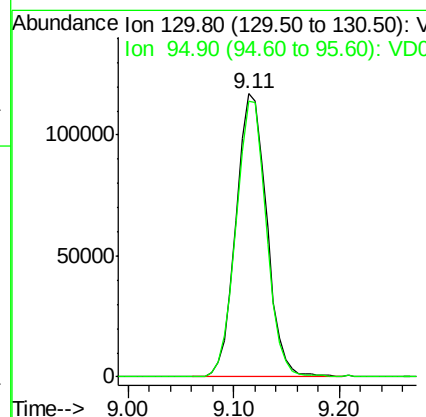
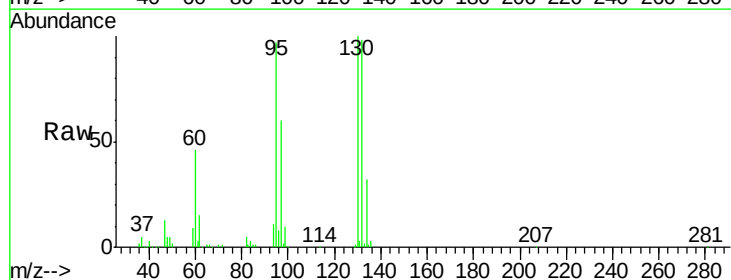
RT: 9.11 min Scan# 1223

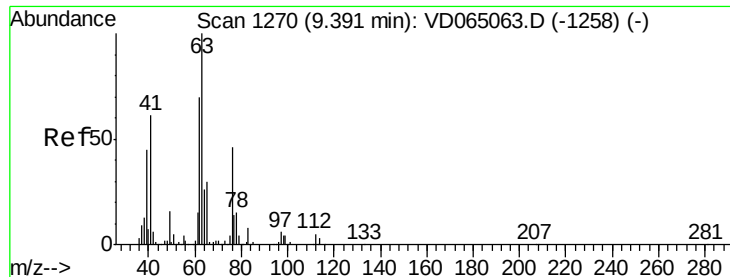
Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Tgt Ion:	130	Resp:	235402
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	185.0





#45

1,2-Dichloropropane

Concen: 57.943 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 221899

Ion Ratio Lower Upper

63 100

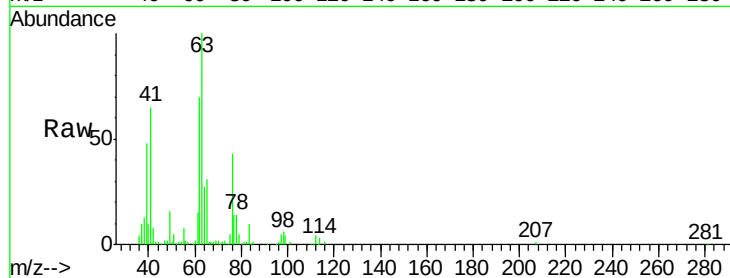
65 30.7 23.9 35.9

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

120000

100000

80000

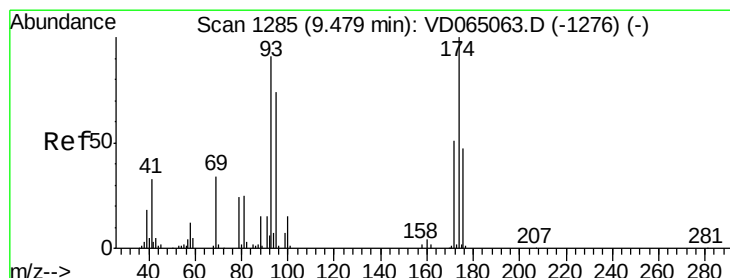
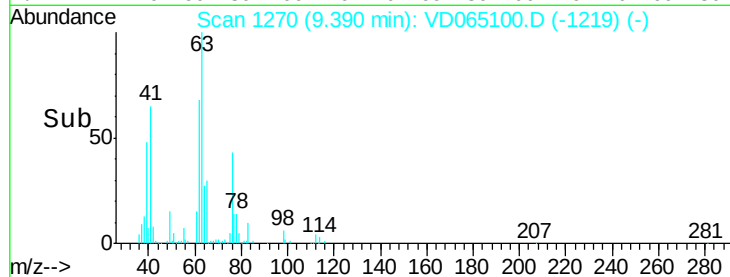
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 58.088 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

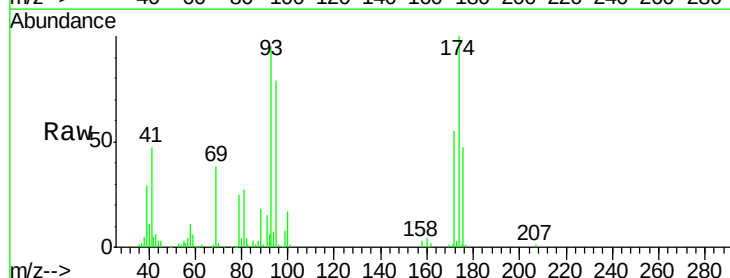
Tgt Ion: 93 Resp: 116896

Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 107.8 89.8 134.8



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

9.48

80000

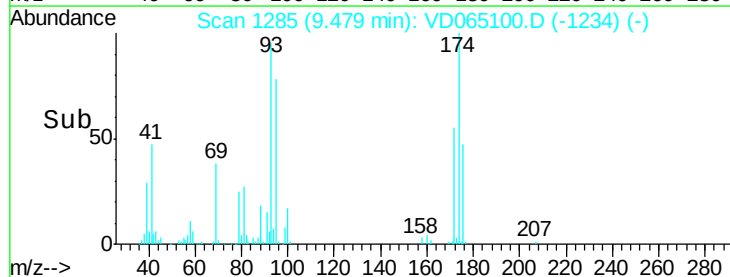
60000

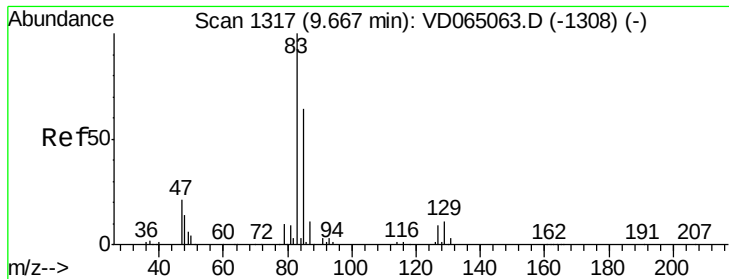
40000

20000

0

Time-->





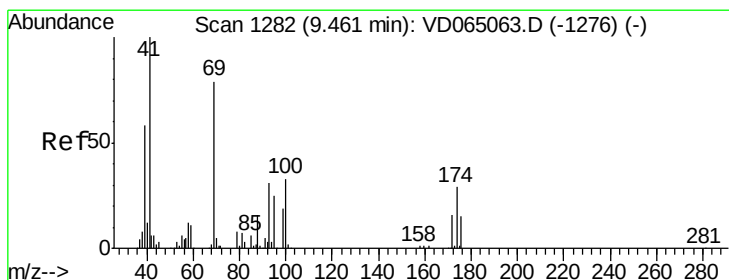
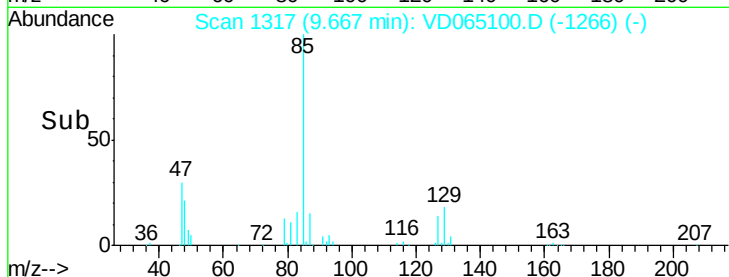
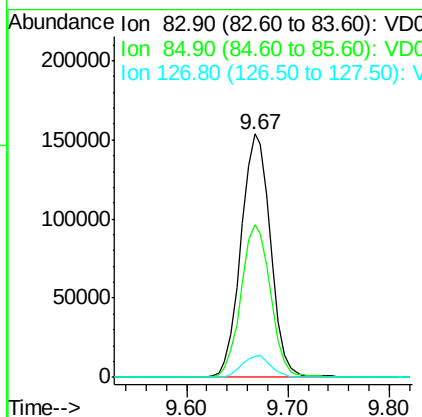
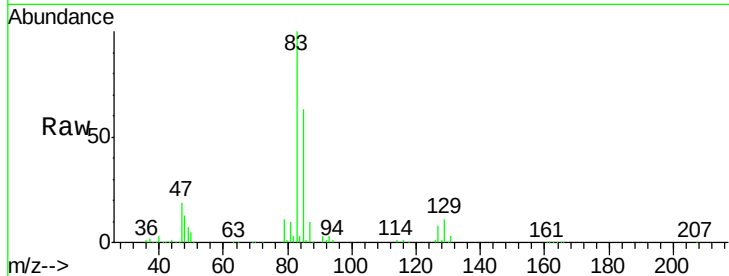
#47
Bromodichloromethane
Concen: 58.397 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	8.5	7.3	10.9

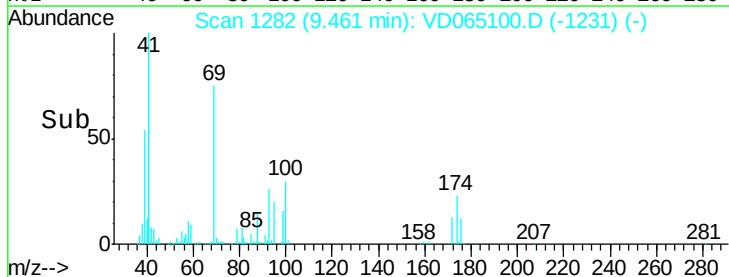
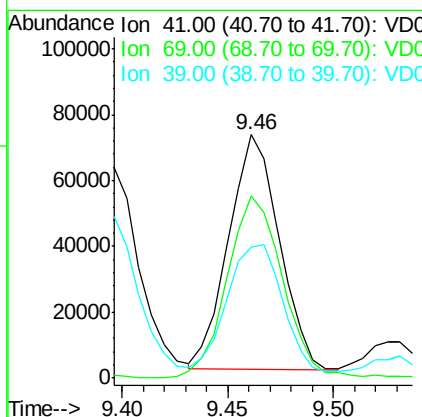
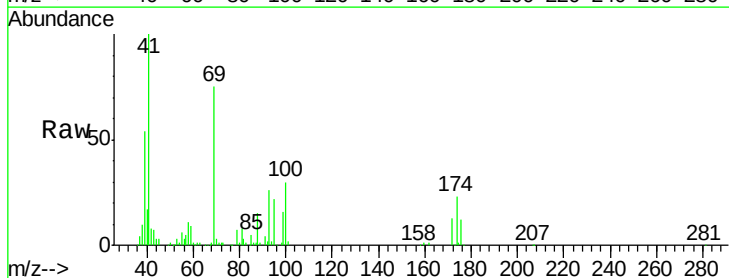
Manual Integrations
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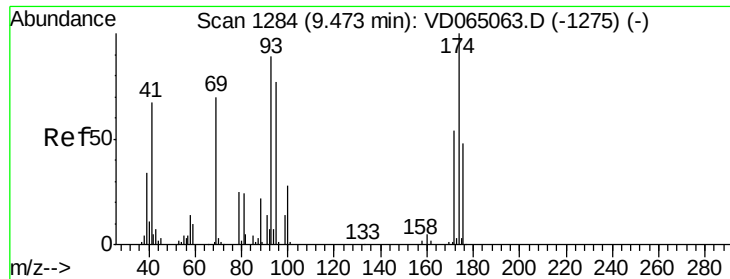
MMDadoda
2/7/2020 12:05:46 PM



#48
Methyl methacrylate
Concen: 54.415 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.1	67.5	101.3
39	59.1	47.0	70.4





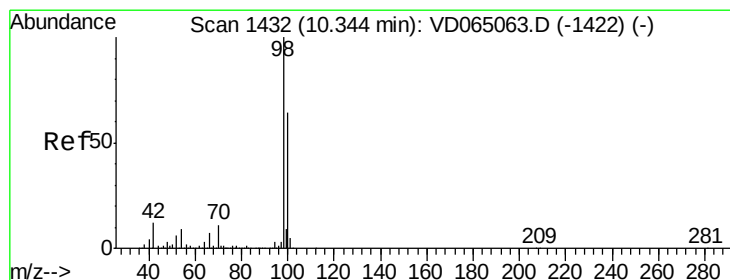
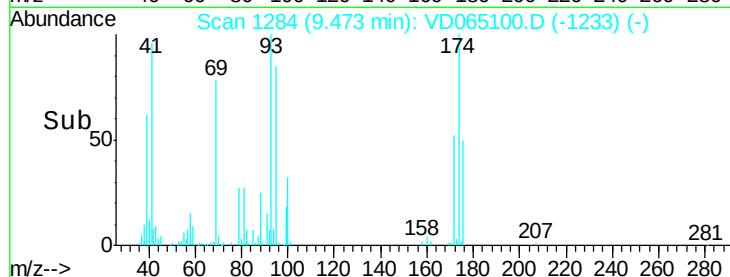
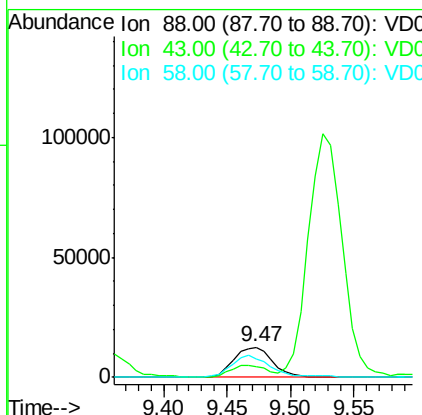
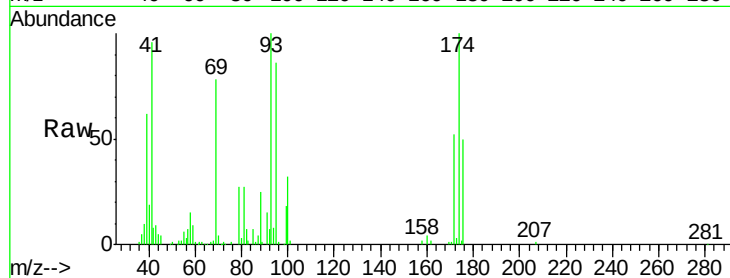
#49
1,4-Dioxane
Concen: 1117.513 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	26636
Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.7	41.5
58	74.4	55.5	83.3

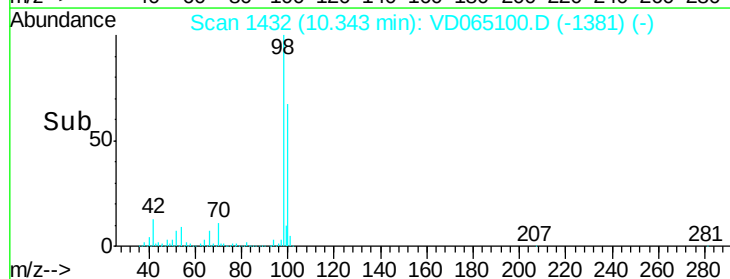
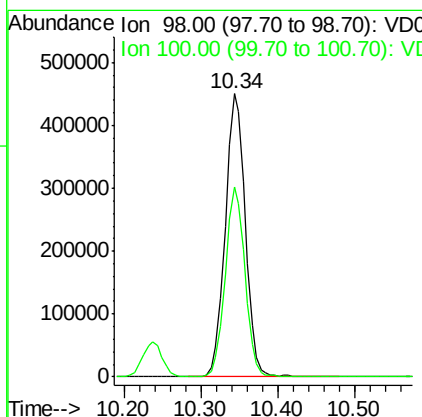
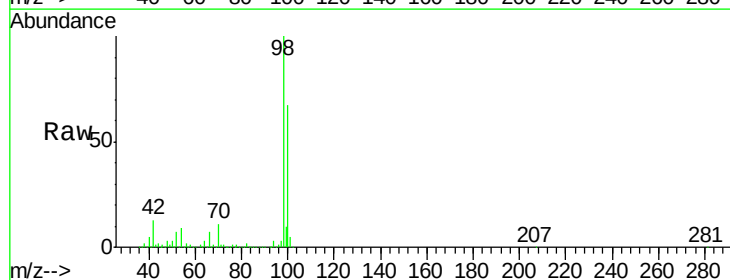
Manual Integrations
APPROVED

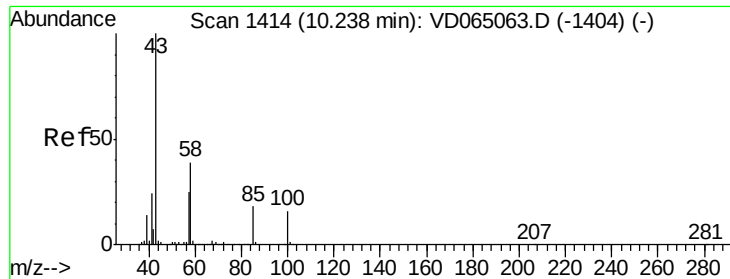
MMDadoda
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#50
Toluene-d8
Concen: 59.074 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	98	Resp	816059
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1





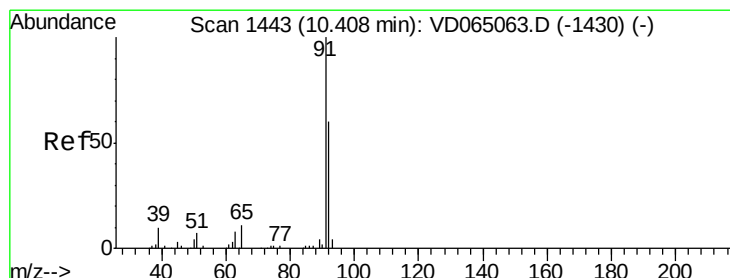
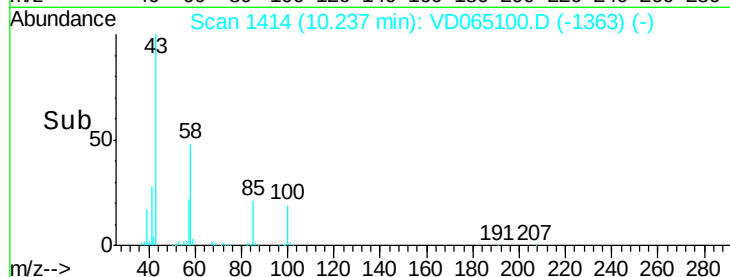
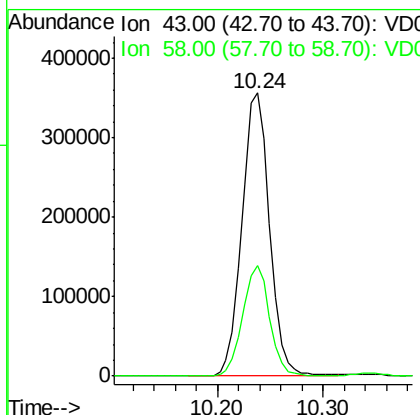
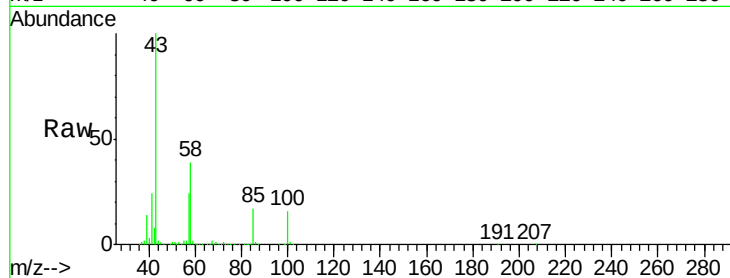
#51
4-Methyl-2-Pentanone
Concen: 290.633 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.2	45.2

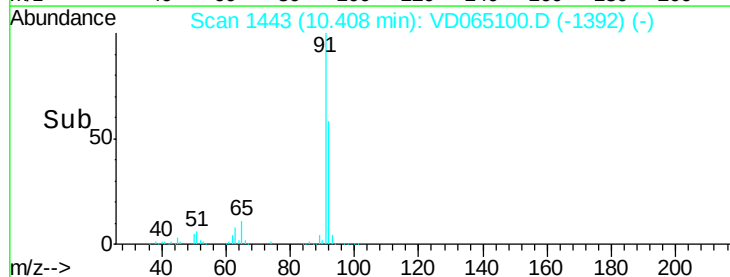
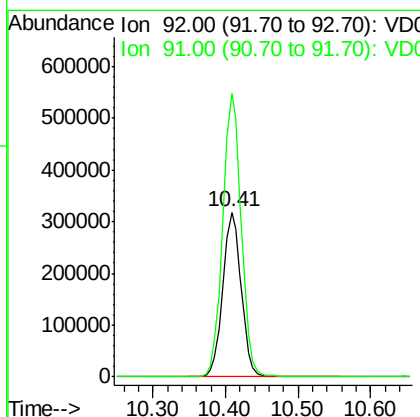
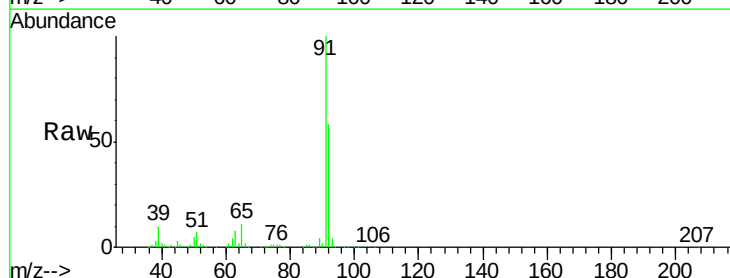
Manual Integrations
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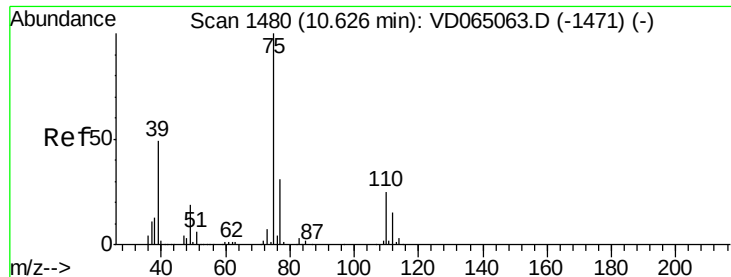
MMDadoda
2/7/2020 12:05:46 PM



#52
Toluene
Concen: 55.099 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	135.3	202.9





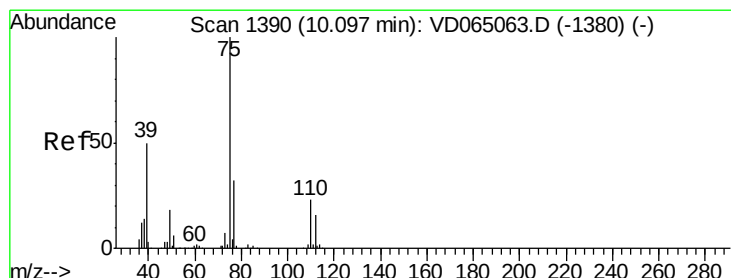
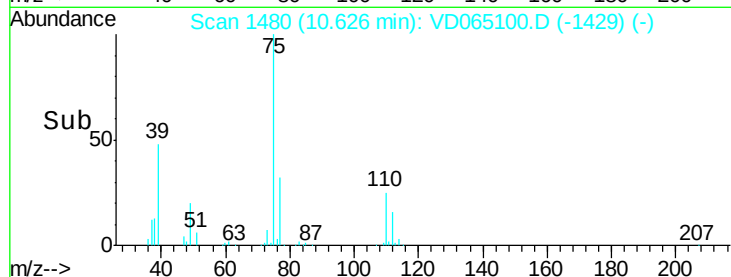
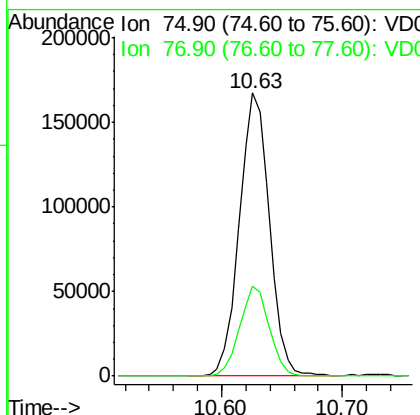
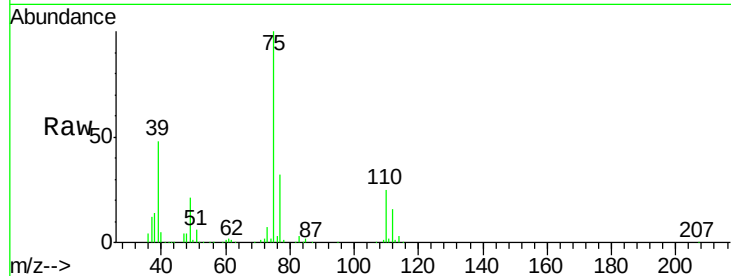
#53
t-1,3-Dichloropropene
Concen: 56.409 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

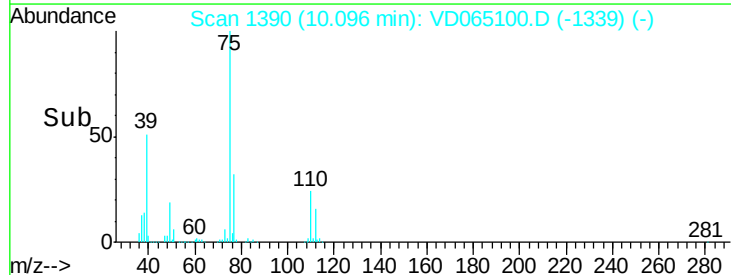
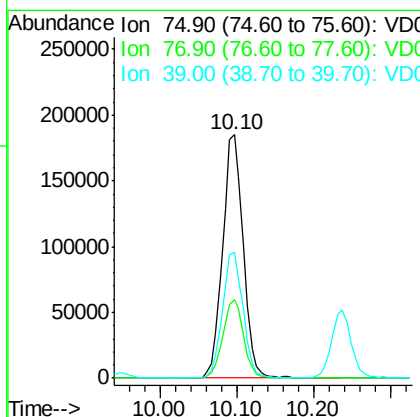
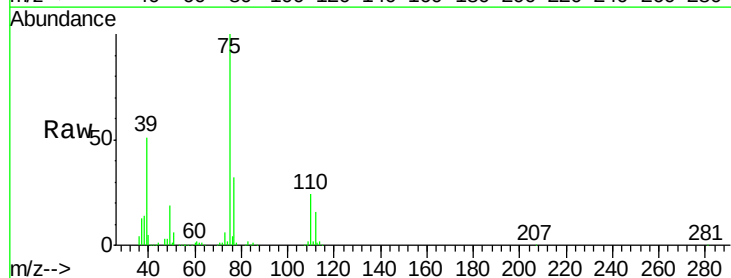
Manual Integrations
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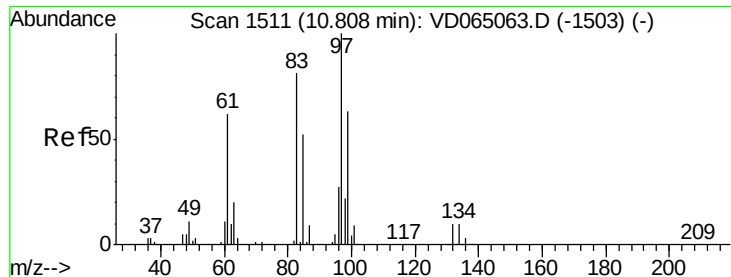
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#54
cis-1,3-Dichloropropene
Concen: 55.857 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	51.3	40.3	60.5





#55

1,1,2-Trichloroethane

Concen: 56.468 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

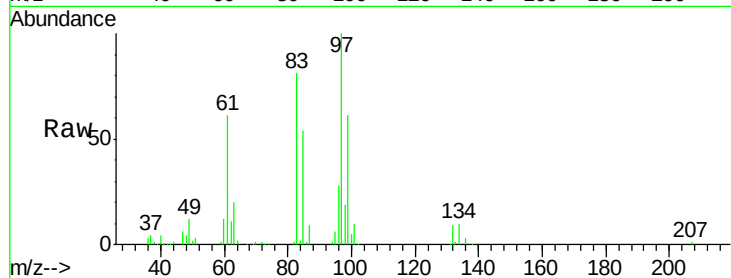
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	155865
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.8	97.2
85	53.6	41.2	61.8
99	60.9	50.3	75.5

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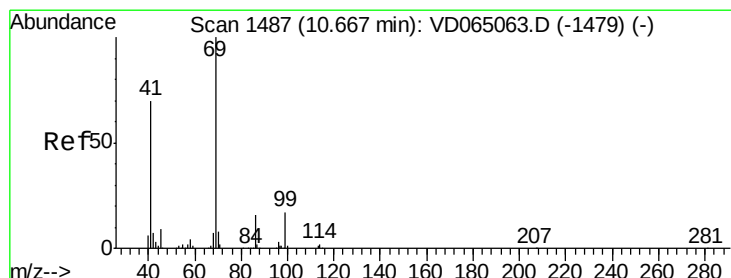
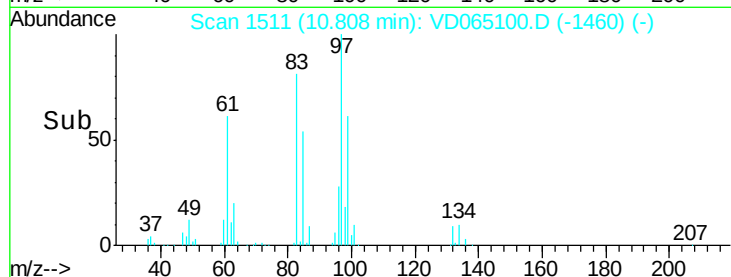
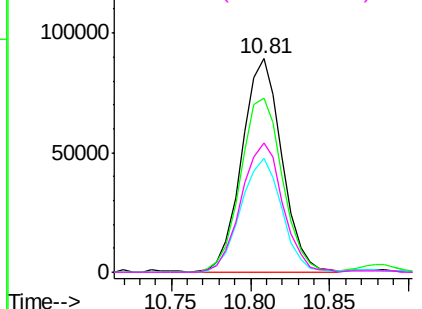


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 58.107 ug/l

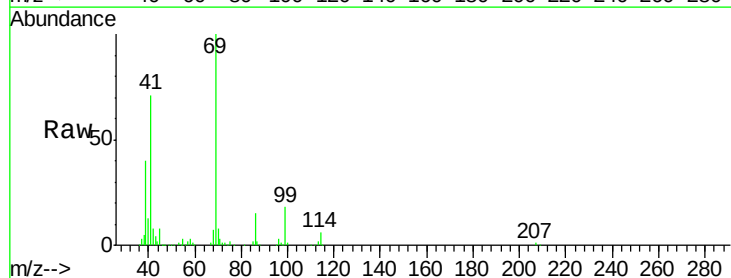
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

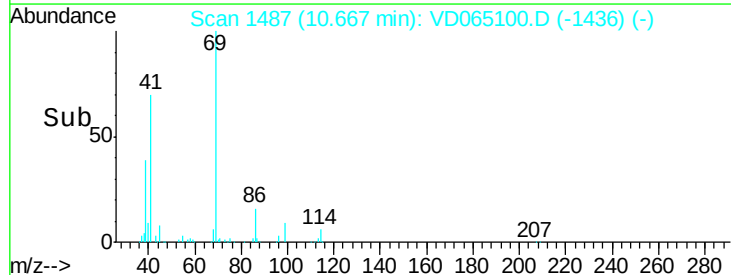
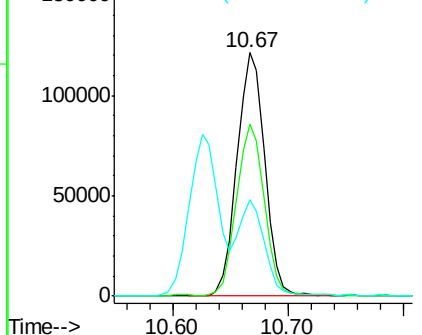
Tgt Ion:	69	Resp:	202939
Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.9	83.9
39	36.9	29.4	44.0

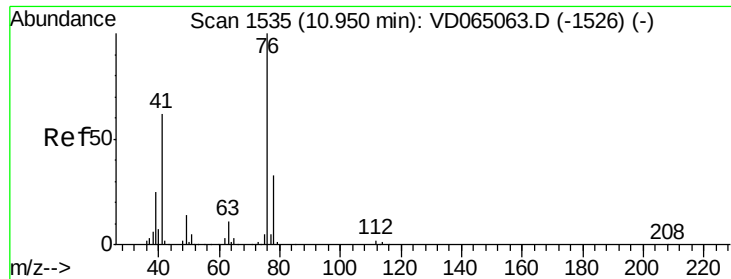


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





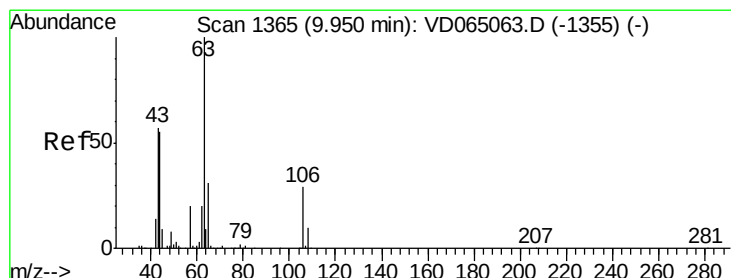
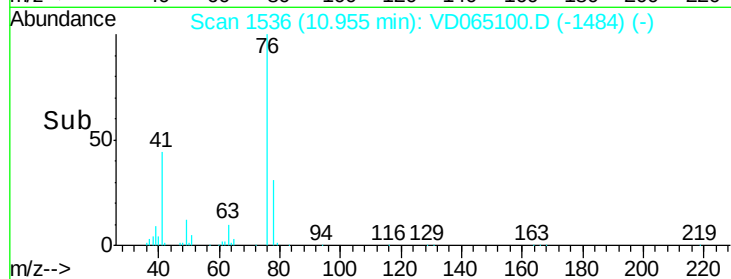
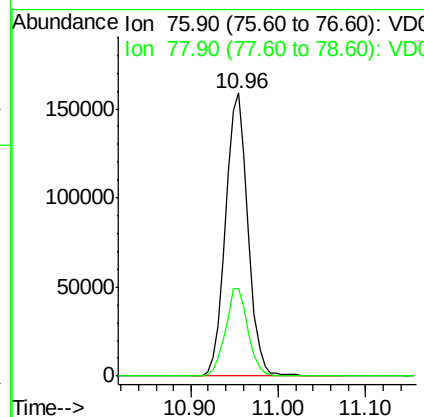
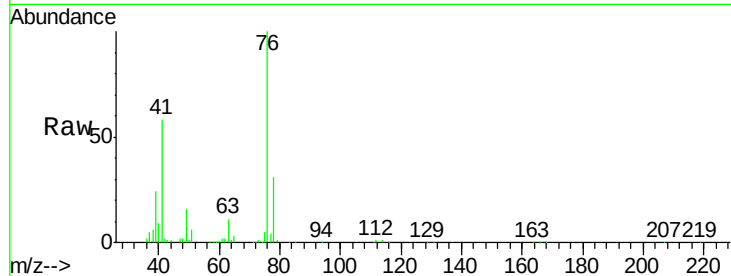
#57
 1,3-Dichloropropane
 Concen: 57.798 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 280536
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

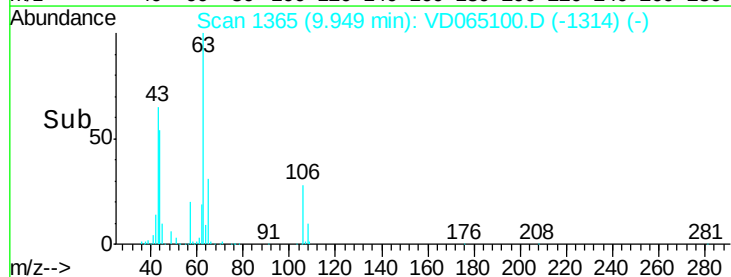
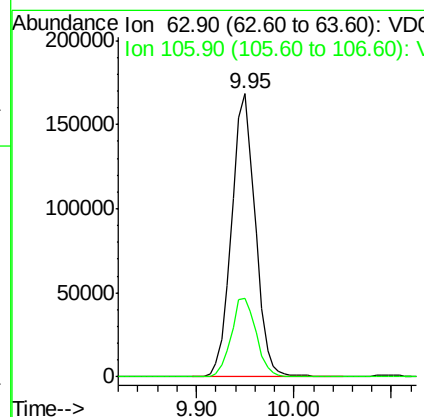
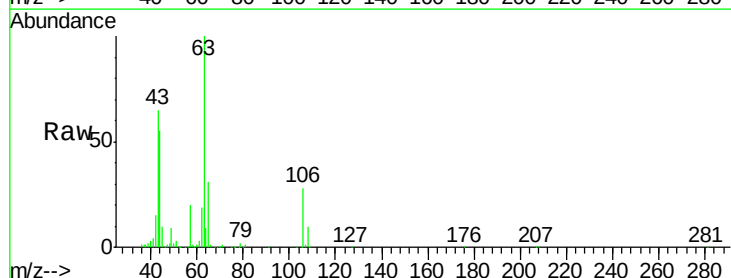
Manual Integrations
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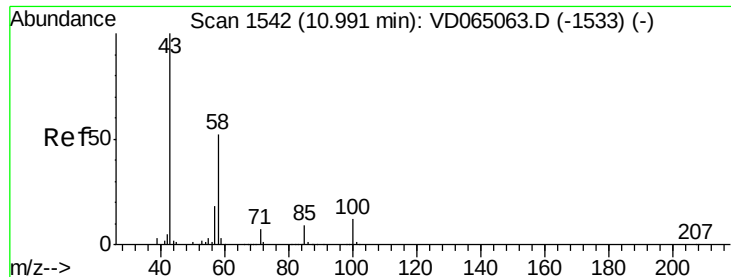
MMDadoda
 2/7/2020 12:05:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.614 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Tgt Ion: 63 Resp: 284830
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.3 34.9





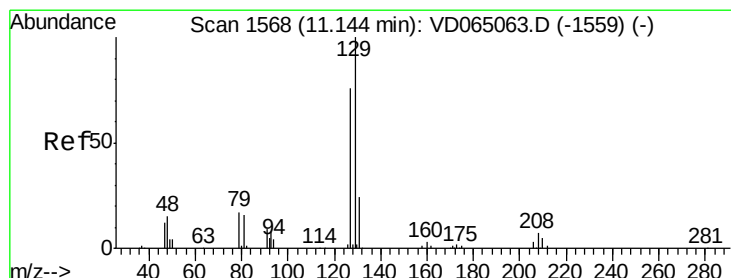
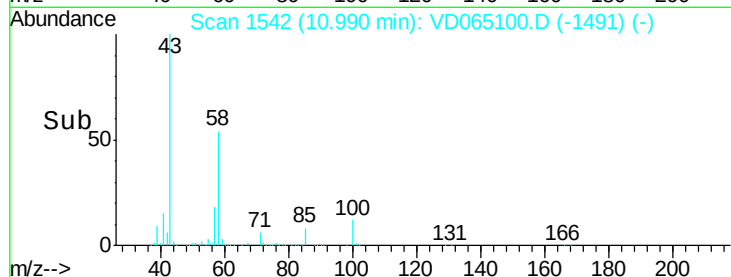
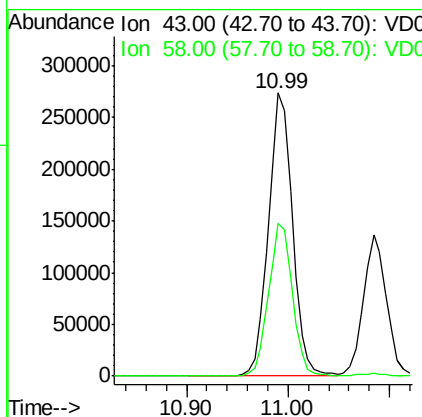
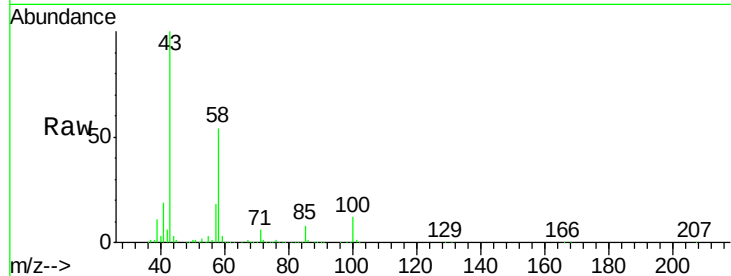
#59
2-Hexanone
Concen: 287.552 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 453178
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.6

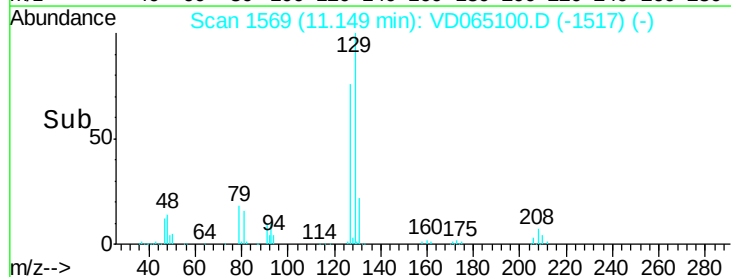
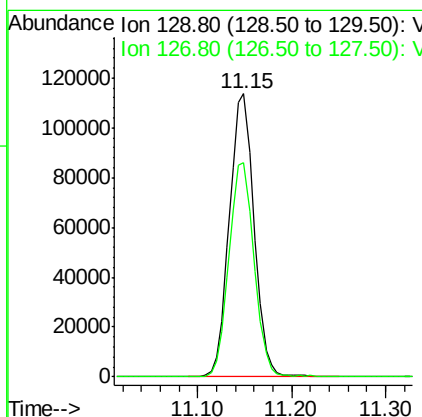
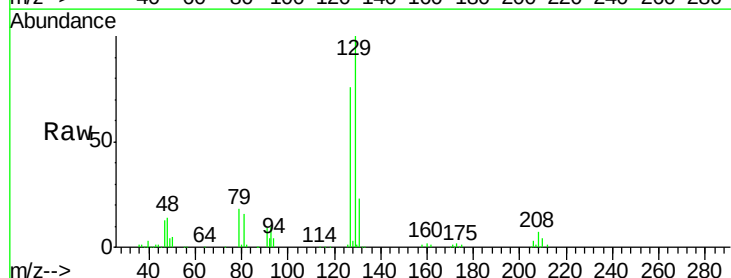
Manual Integrations
APPROVED

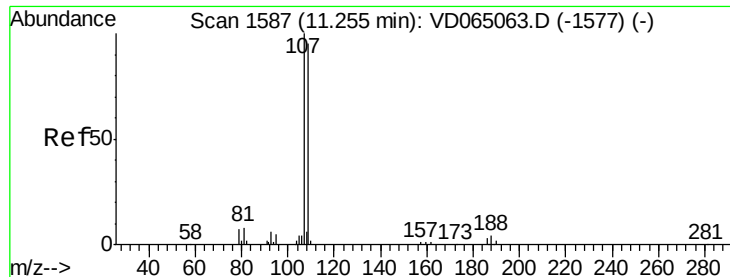
MMDadoda
2/7/2020 12:05:46 PM



#60
Dibromochloromethane
Concen: 58.111 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion: 129 Resp: 207761
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 56.006 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 151054

Ion Ratio Lower Upper

107 100

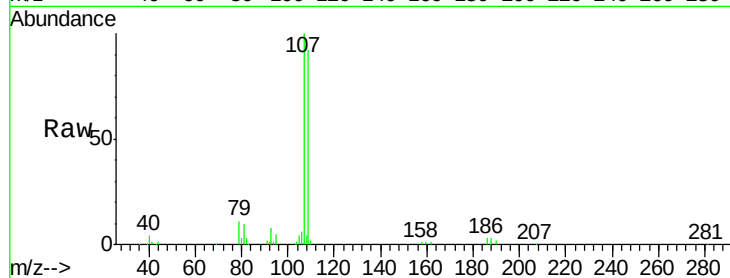
109 95.8 75.5 113.3

Manual Integrations

APPROVED

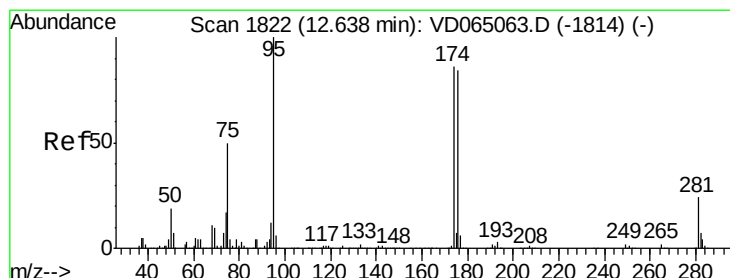
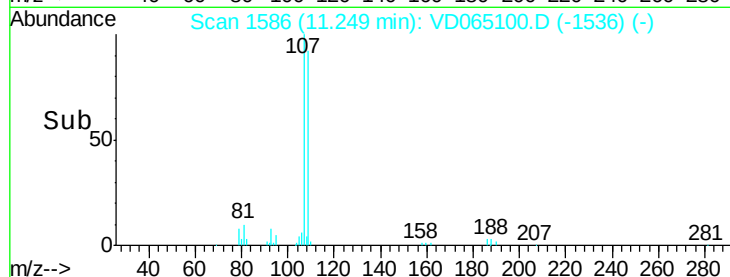
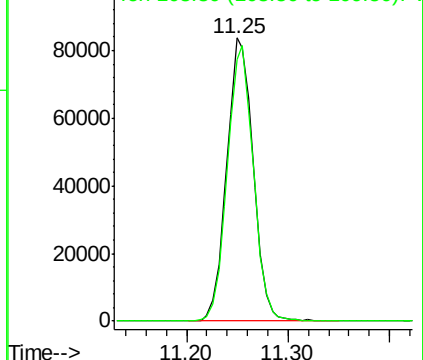
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 60.192 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

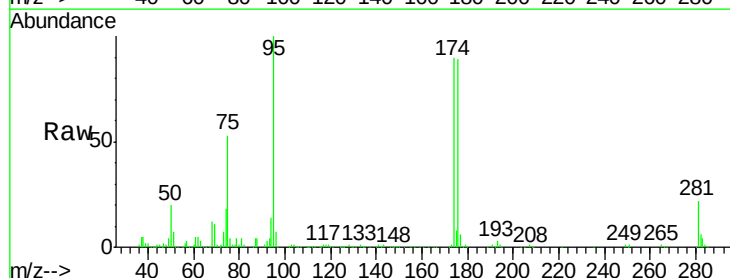
Tgt Ion: 95 Resp: 263471

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.0

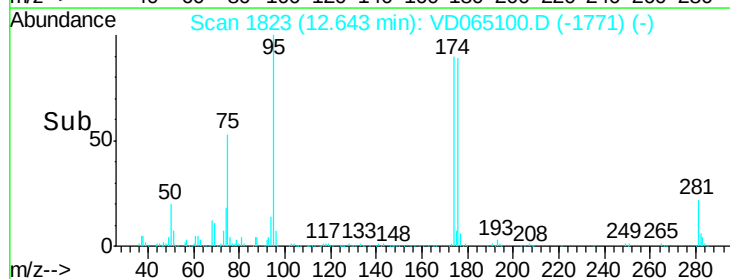
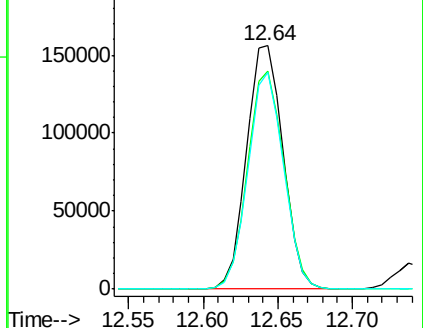
176 86.9 0.0 173.2

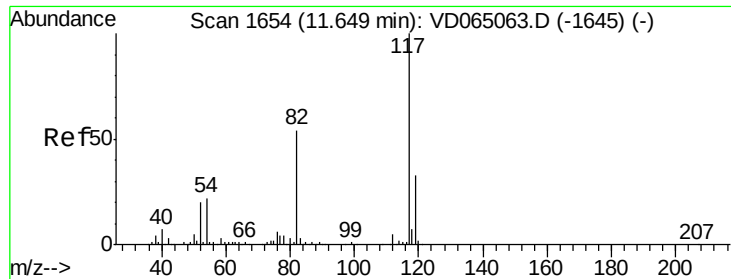


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





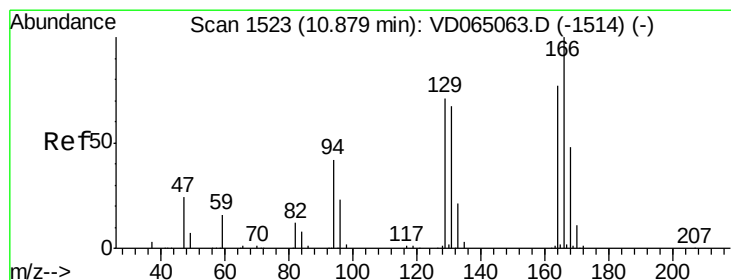
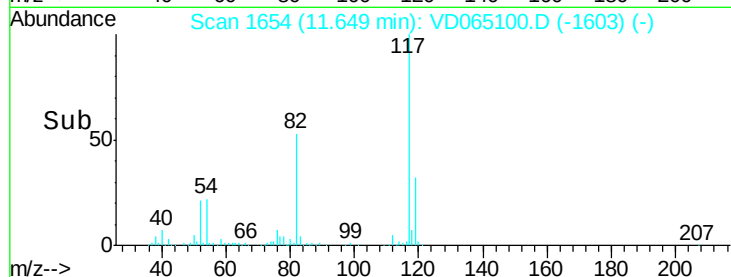
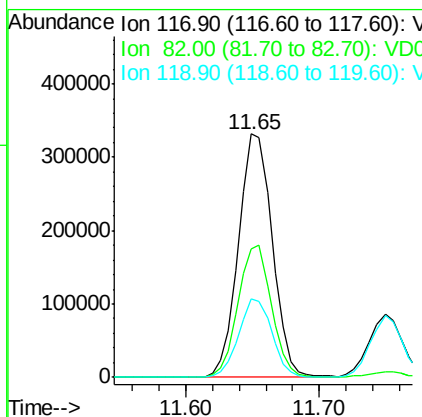
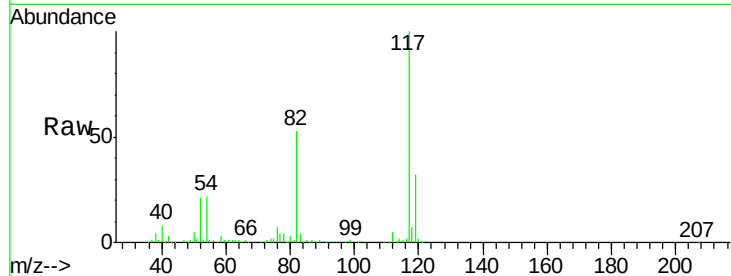
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	582840		
82	52.9		43.1	64.7
119	32.1		26.0	39.0

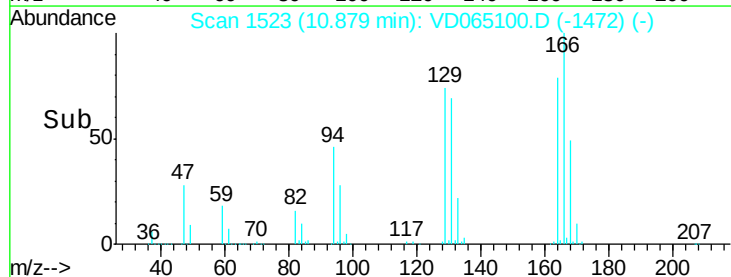
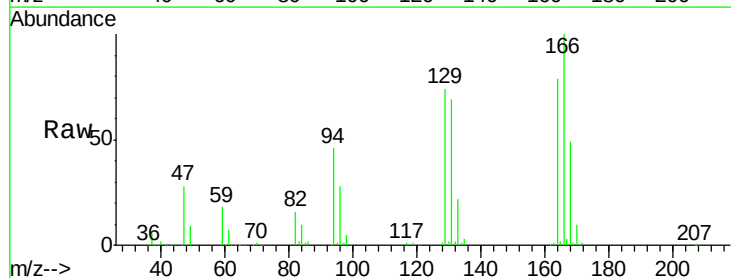
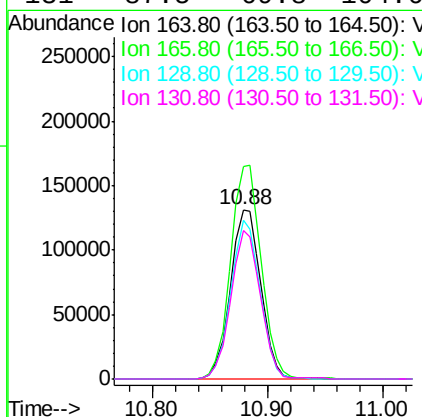
Manual Integrations
APPROVED

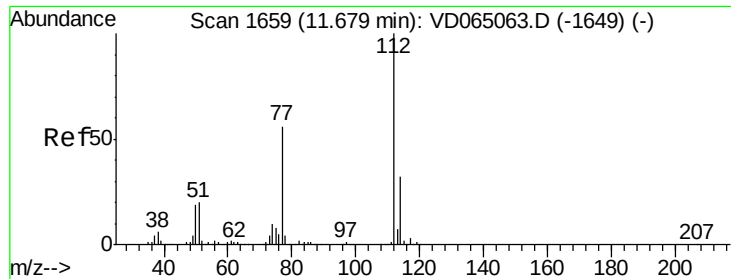
MMDadoda
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#64
Tetrachloroethene
Concen: 56.897 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238285		
166	126.0		103.5	155.3
129	93.7		73.3	109.9
131	87.5		69.8	104.6





#65

Chlorobenzene

Concen: 53.399 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 601967

Ion Ratio Lower Upper

112 100

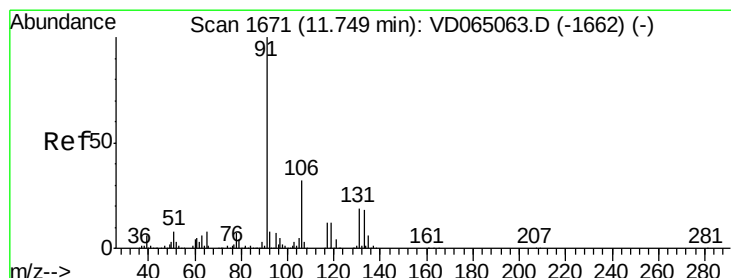
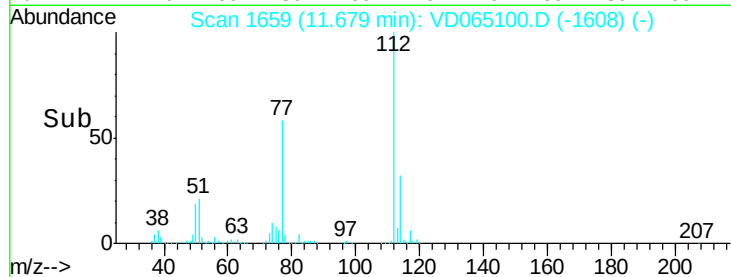
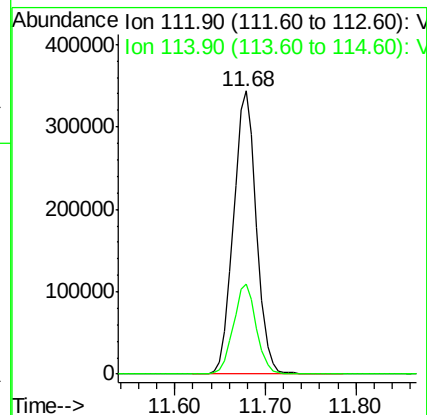
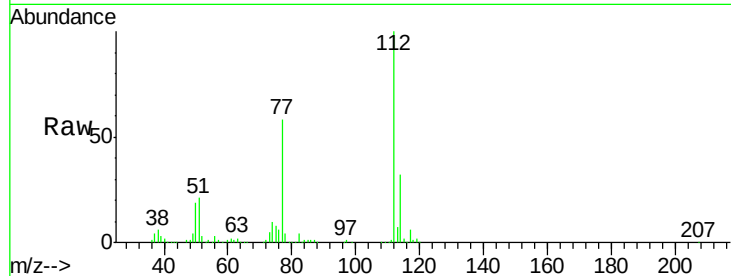
114 32.1 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.566 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

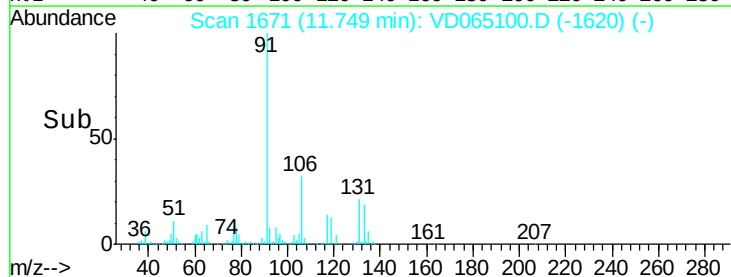
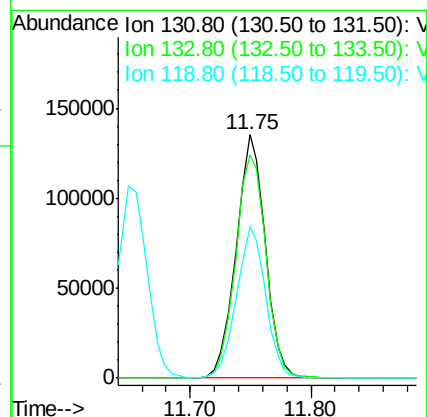
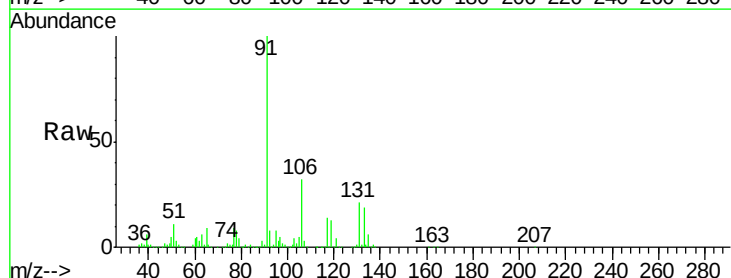
Tgt Ion:131 Resp: 227031

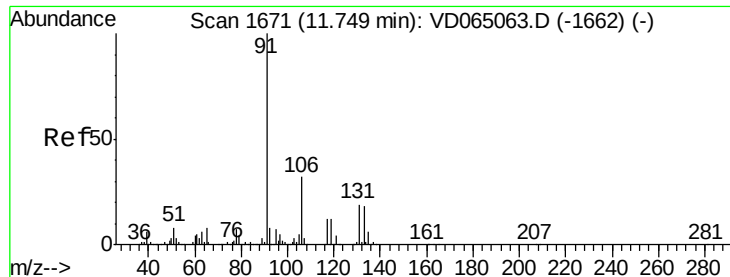
Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

119 62.4 31.3 93.8





#67

Ethyl Benzene

Concen: 51.312 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1050919

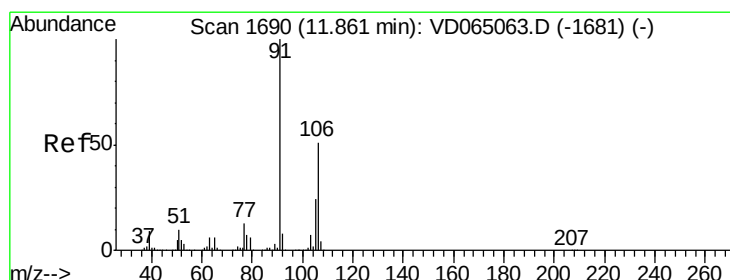
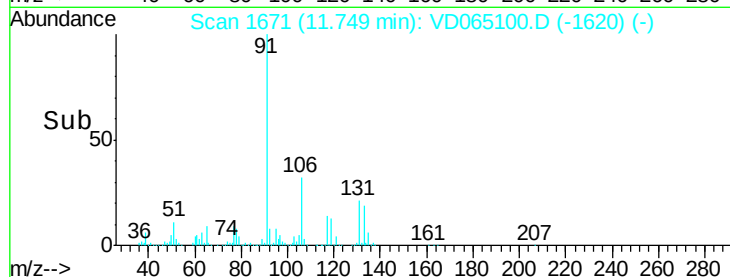
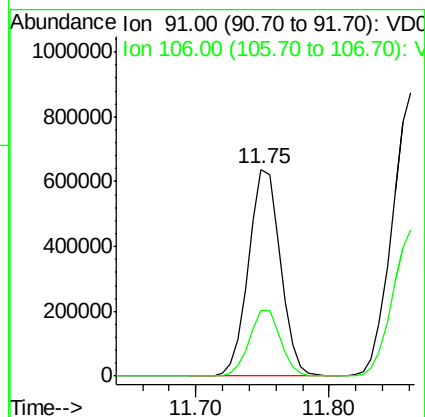
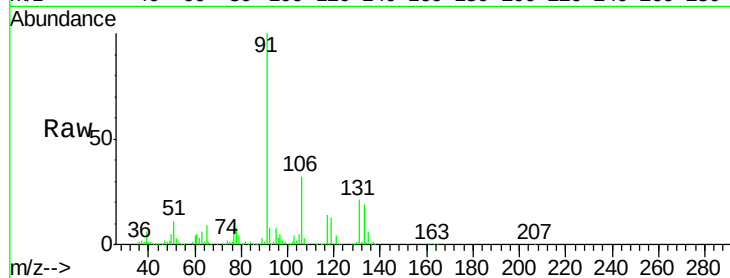
Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 106.776 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065100.D

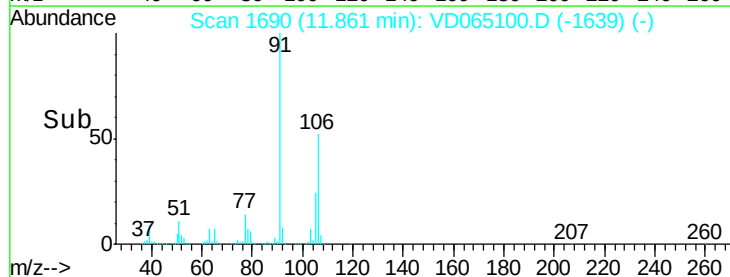
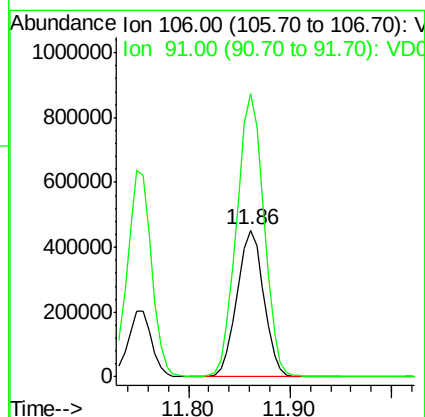
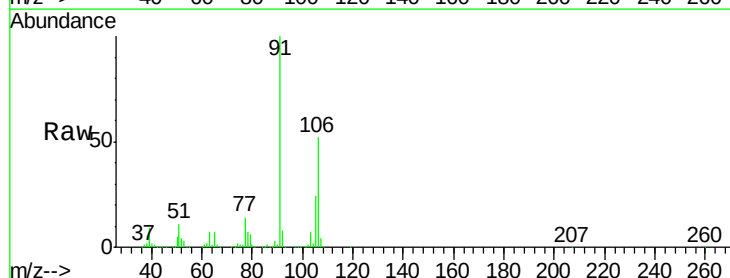
Acq: 06 Feb 2020 21:38

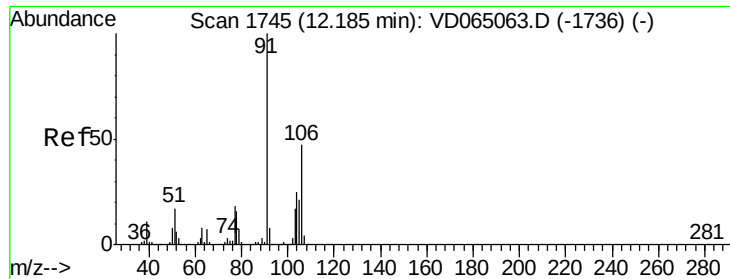
Tgt Ion: 106 Resp: 834667

Ion Ratio Lower Upper

106 100

91 196.4 158.9 238.3





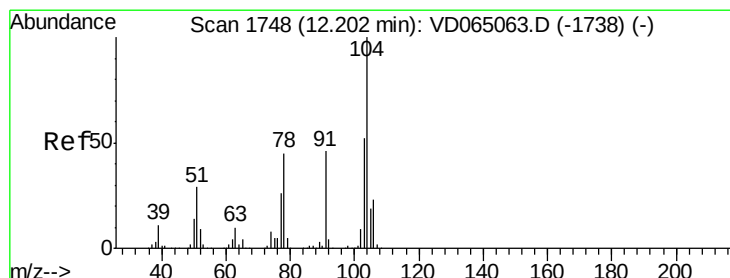
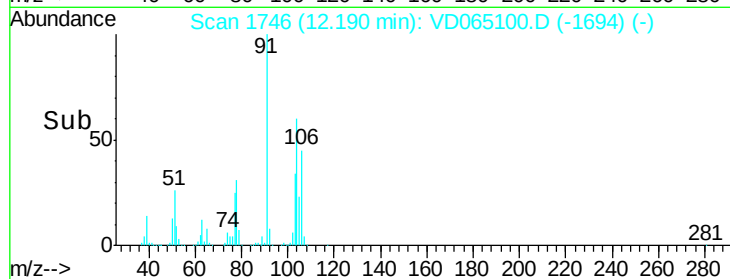
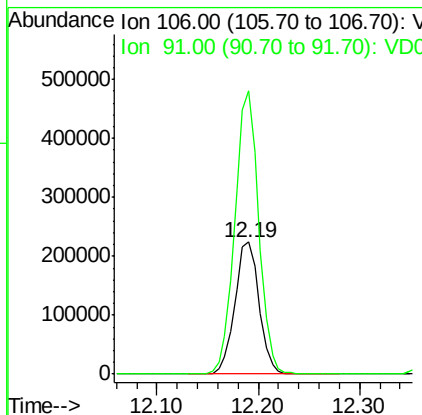
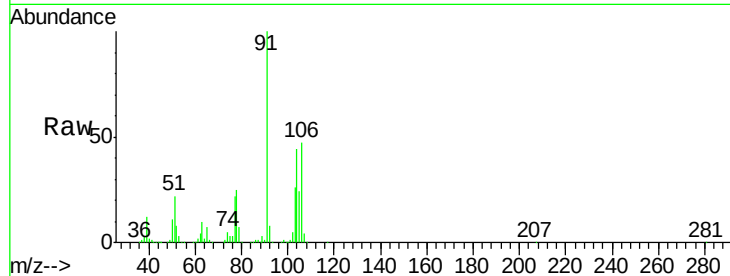
#69
o-Xylene
Concen: 52.756 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
371371	106	100		
	91	211.3	104.7	313.9

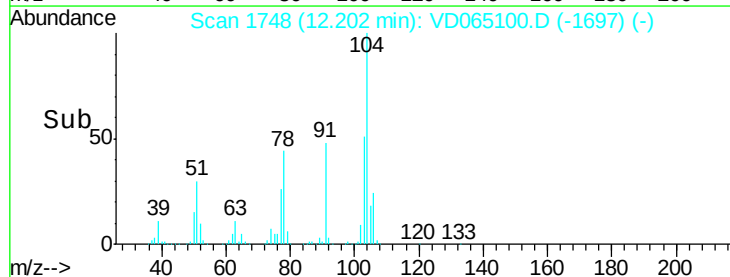
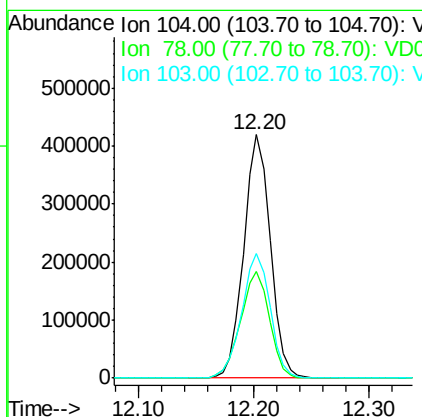
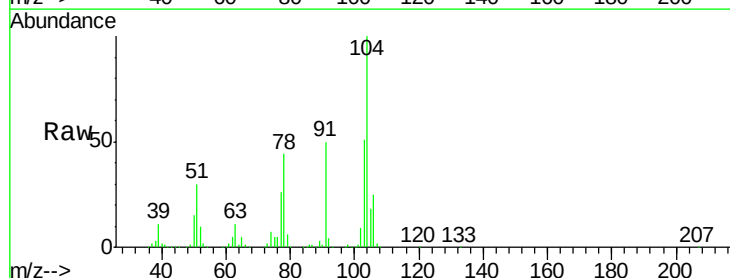
Manual Integrations
APPROVED

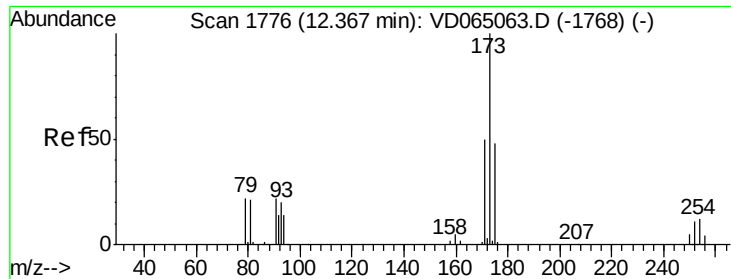
MMDadoda
2/7/2020 12:05:46 PM



#70
Styrene
Concen: 55.016 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ion	Ratio	Lower	Upper
673096	104	100		
	78	47.7	38.5	57.7
	103	54.8	43.8	65.8





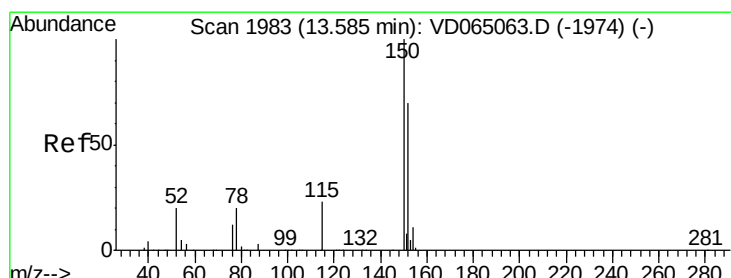
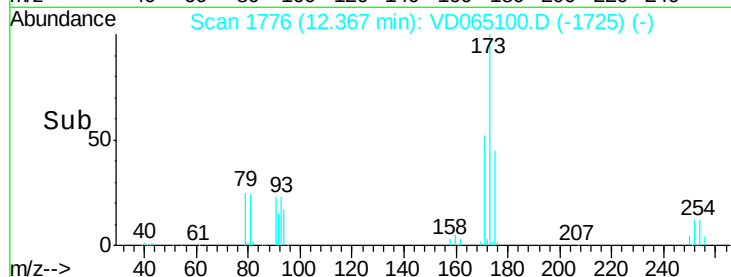
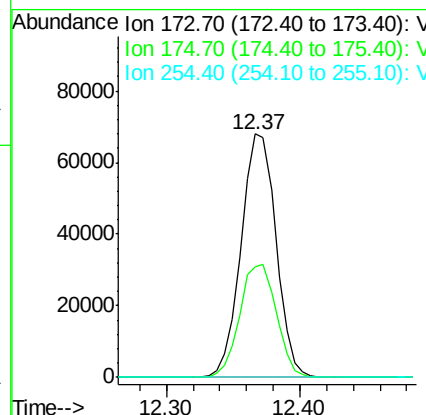
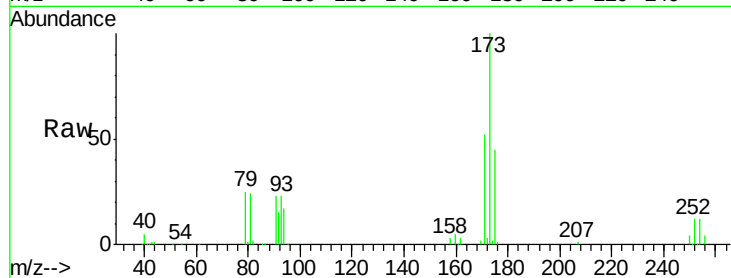
#71
Bromoform
Concen: 54.906 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.1	0.1#

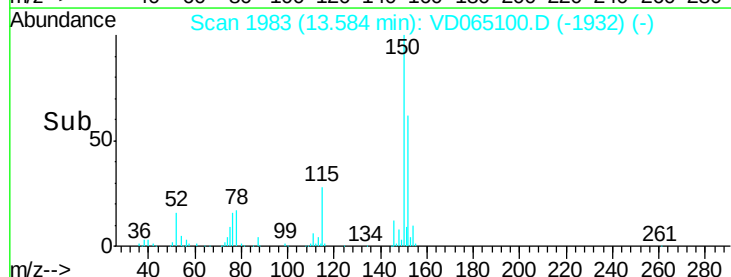
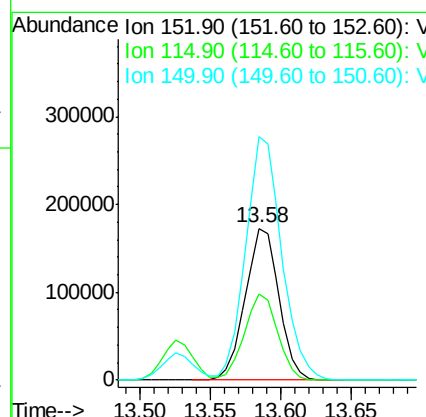
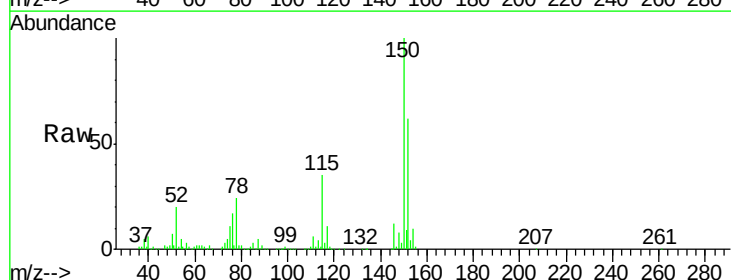
Manual Integrations
APPROVED

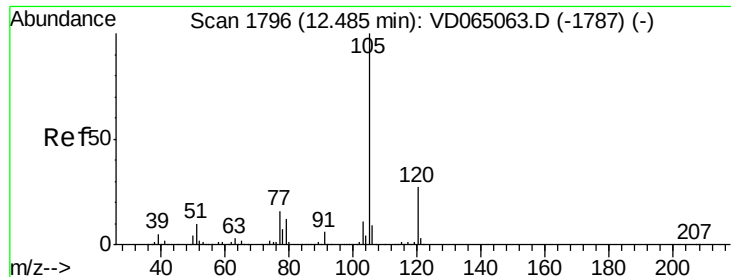
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.5	82.4
150	172.3	0.0	343.2





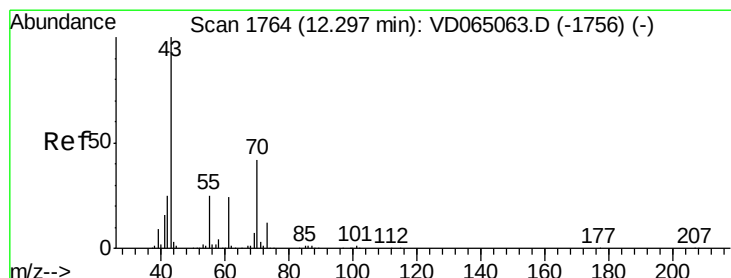
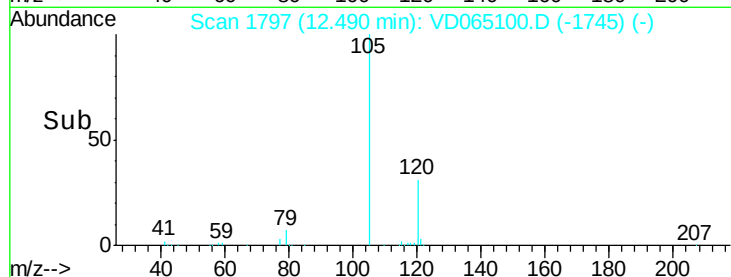
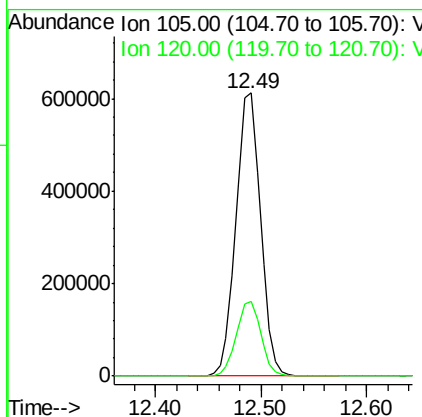
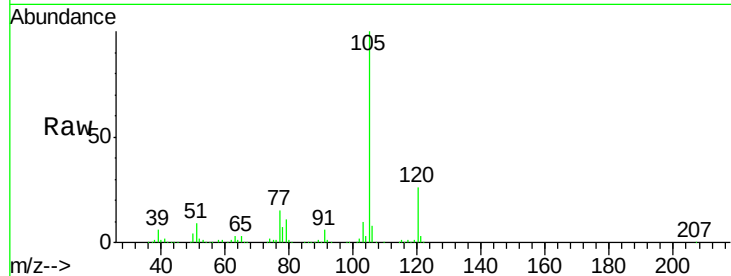
#73
Isopropylbenzene
Concen: 49.590 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	983351		
120	26.3	13.3	39.9	

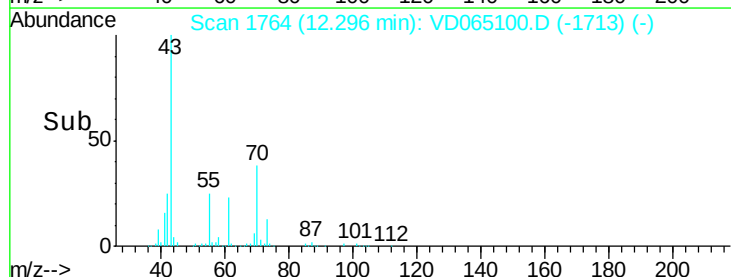
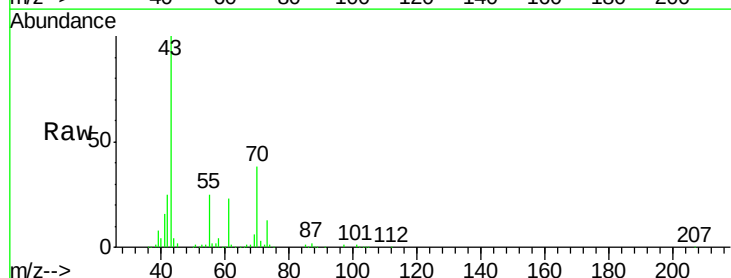
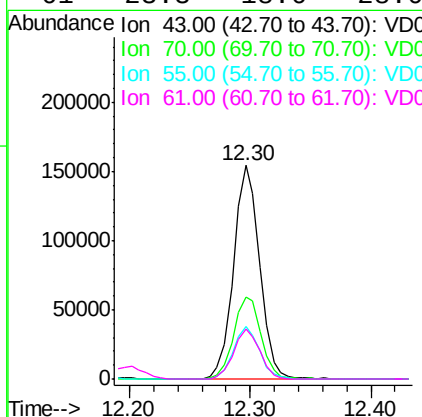
Manual Integrations
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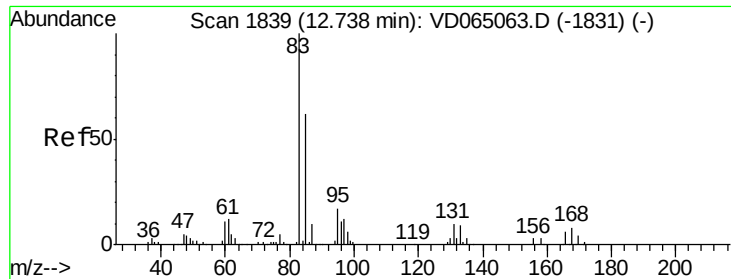
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#74
N-ethyl acetate
Concen: 53.907 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	232343		
70	40.3	33.5	50.3	
55	24.6	19.4	29.2	
61	23.3	18.6	28.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 52.654 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

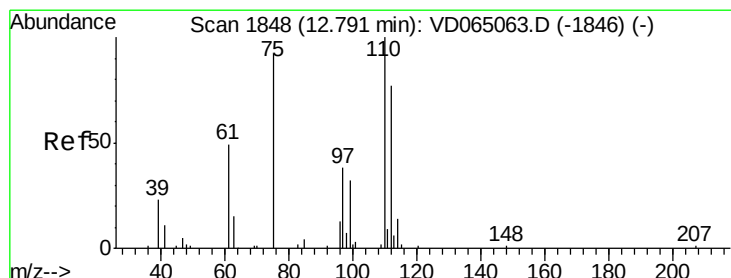
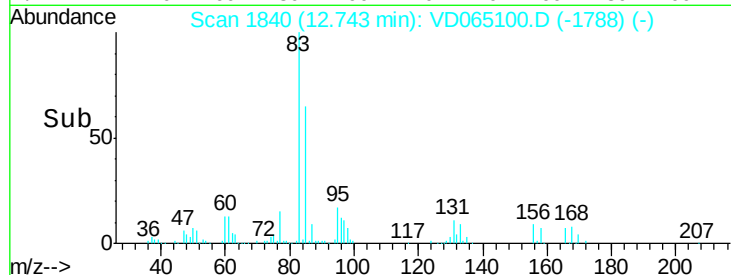
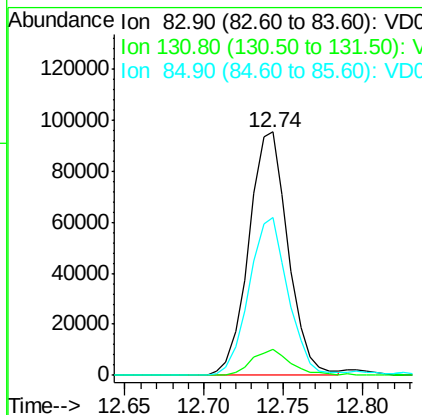
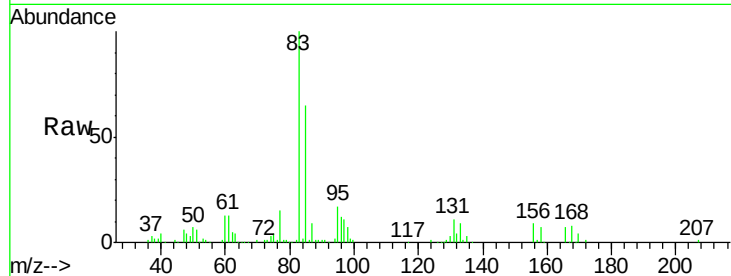
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164326
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	64.6	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.004 ug/l m

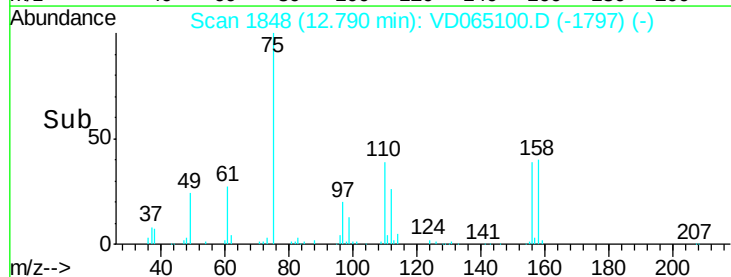
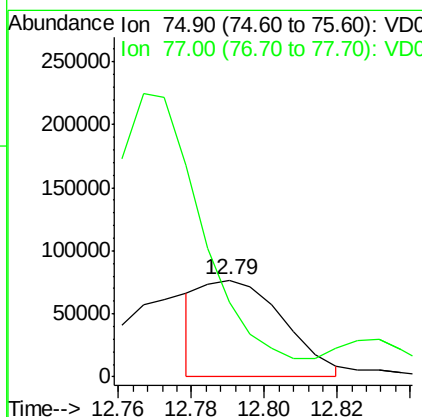
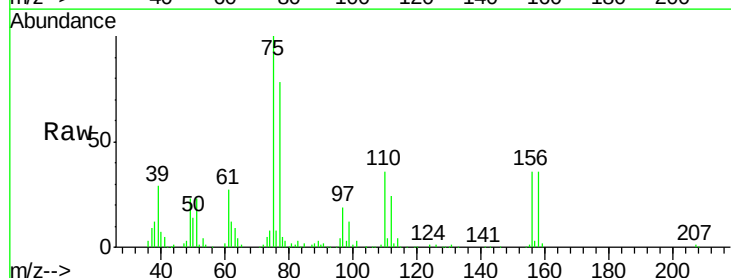
RT: 12.79 min Scan# 1848

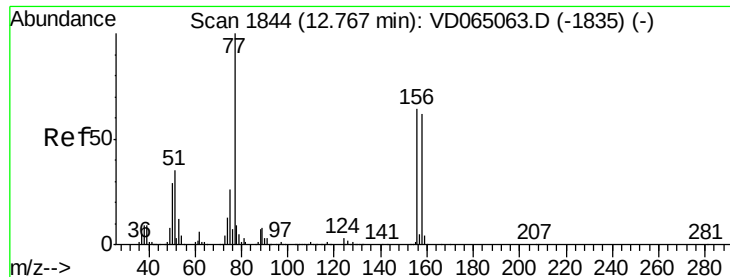
Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Tgt Ion:	75	Resp:	120313
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





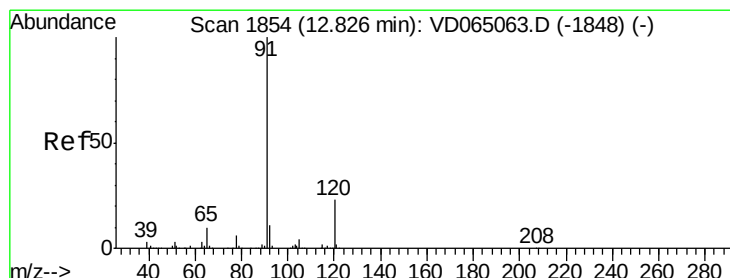
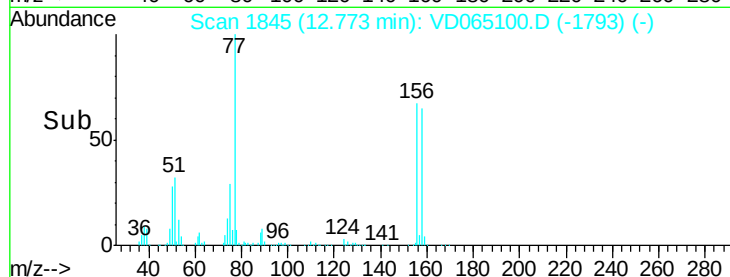
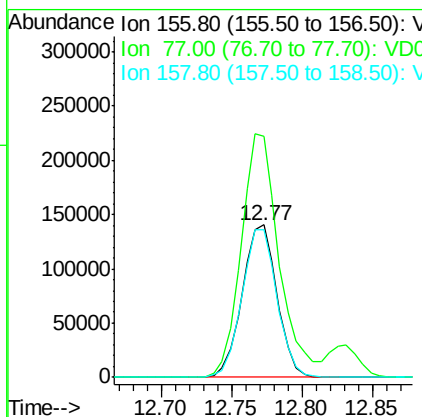
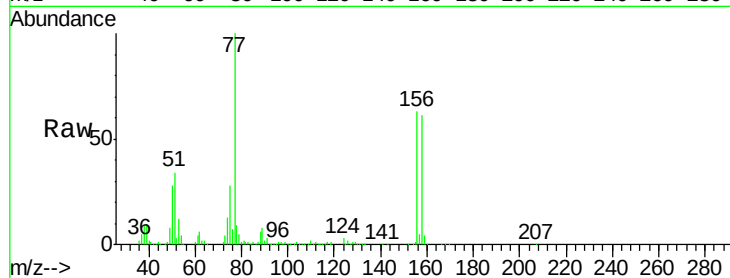
#77
Bromobenzene
Concen: 50.655 ug/l
RT: 12.77 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.5	85.6	256.8
158	98.0	47.4	142.2

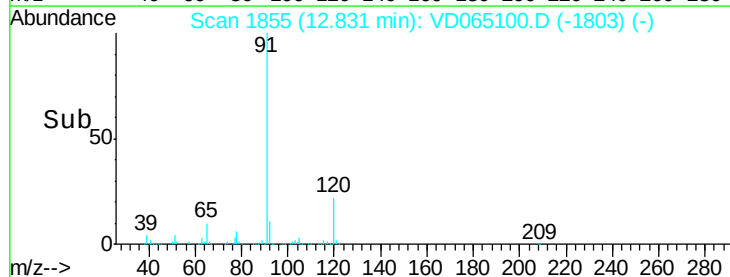
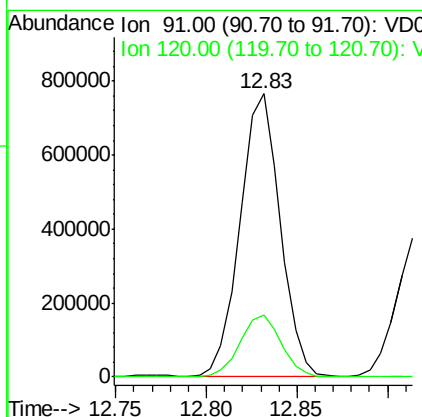
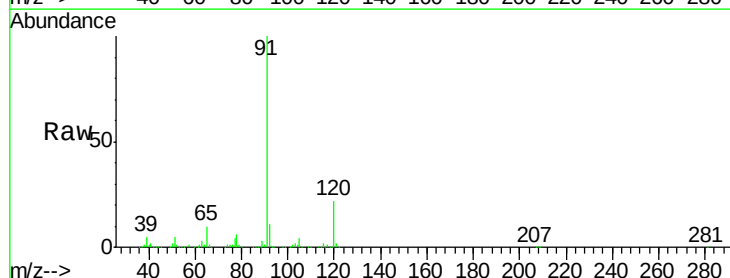
Manual Integrations
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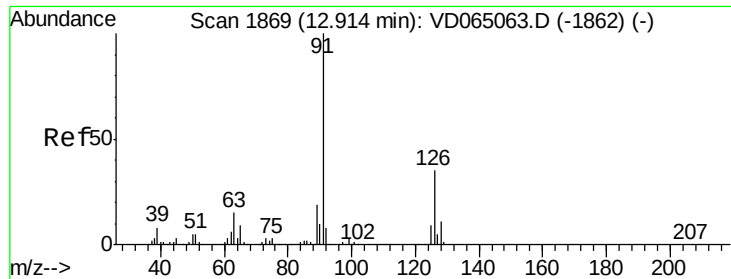
MMDadoda
2/7/2020 12:05:46 PM



#78
n-propylbenzene
Concen: 50.651 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.8	35.3





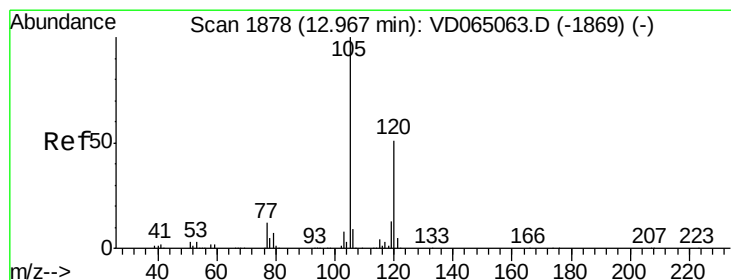
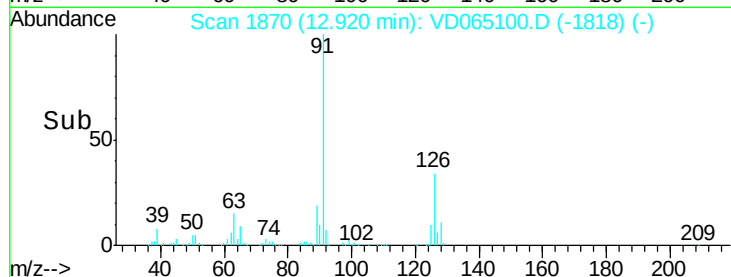
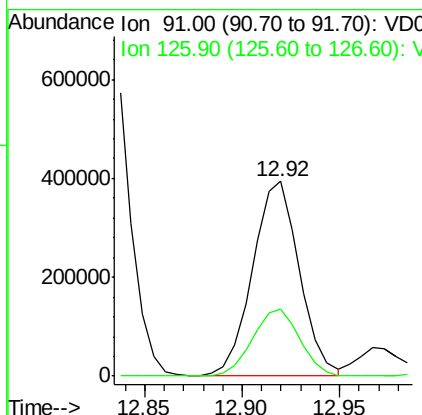
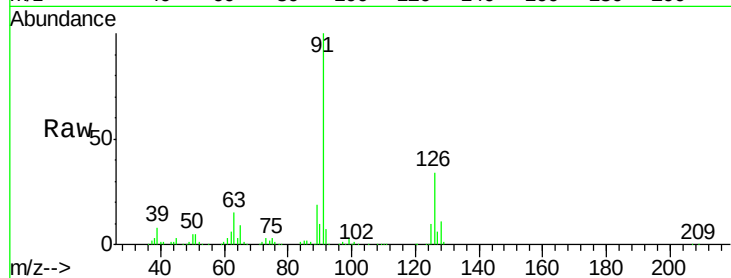
#79
2-Chlorotoluene
Concen: 50.266 ug/l
RT: 12.92 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 650658
Ion Ratio Lower Upper
91 100
126 34.8 17.4 52.3

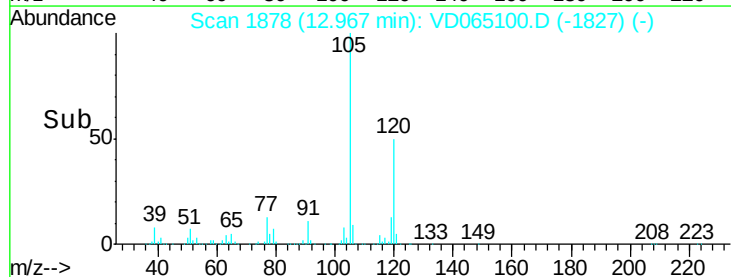
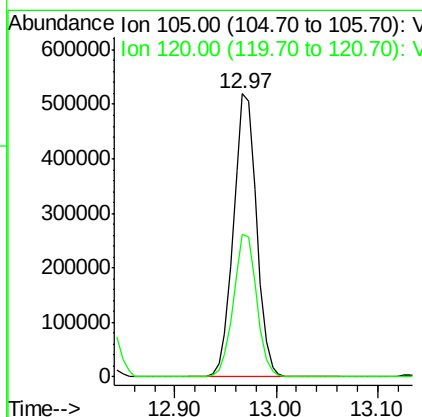
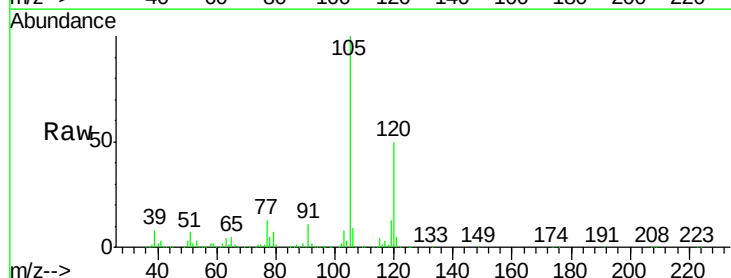
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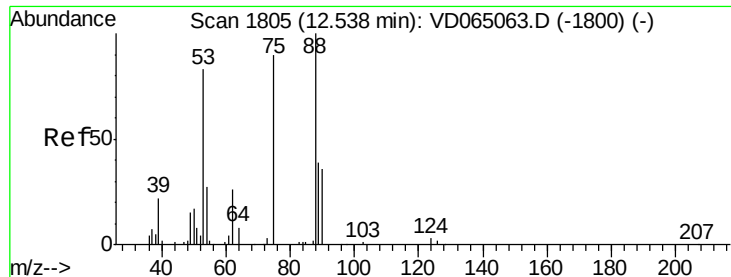
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 50.570 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion: 105 Resp: 820377
Ion Ratio Lower Upper
105 100
120 50.6 25.1 75.4





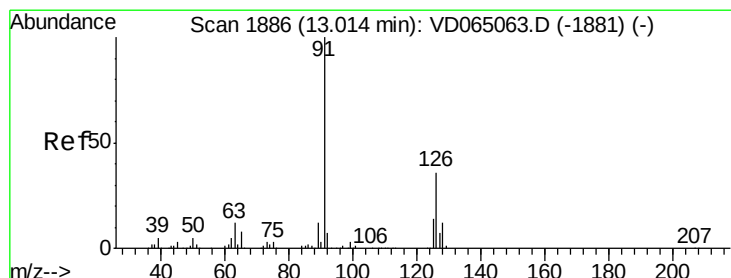
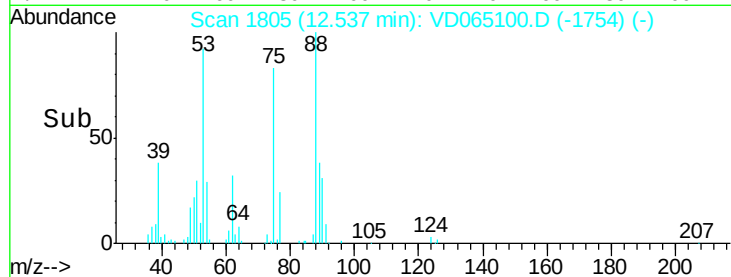
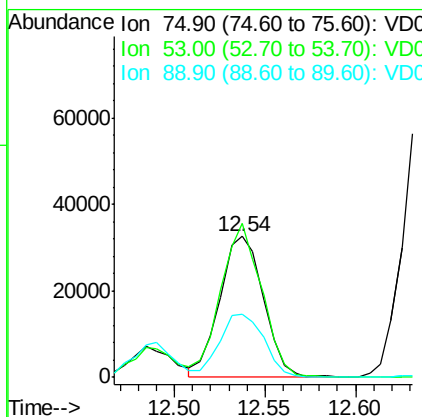
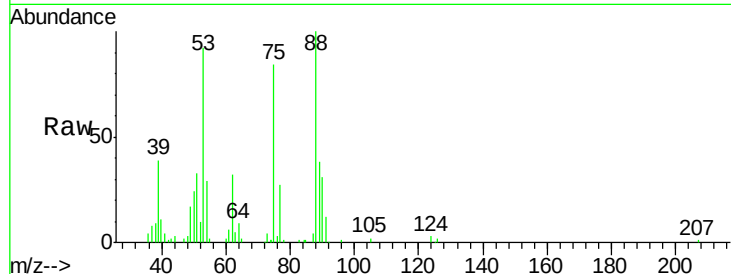
#81
trans-1,4-Dichloro-2-butene
Concen: 50.015 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	78.5	117.7
89	45.4	37.0	55.4

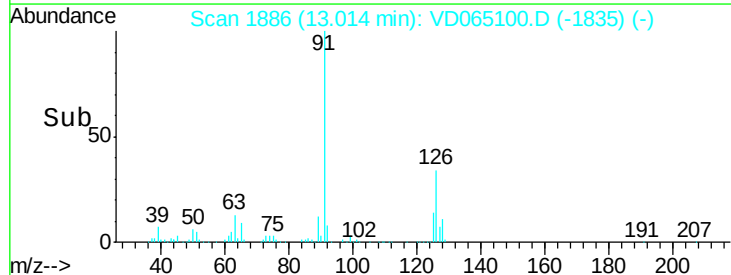
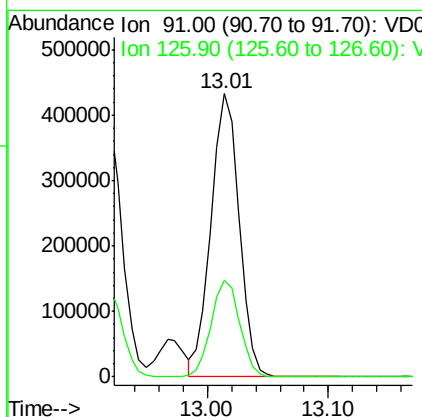
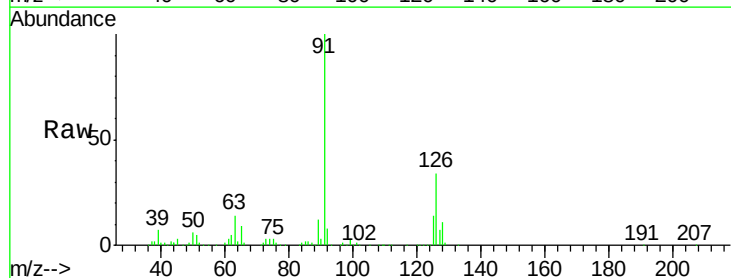
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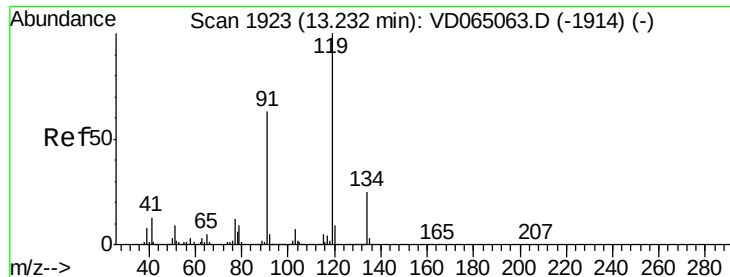
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#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





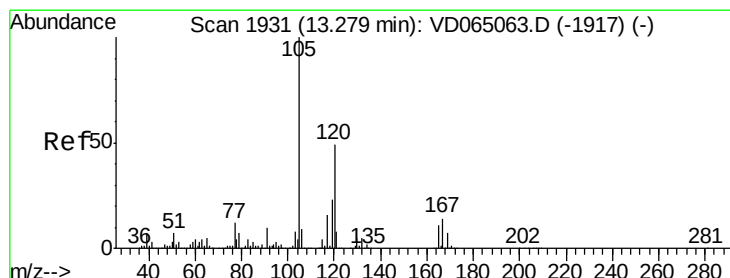
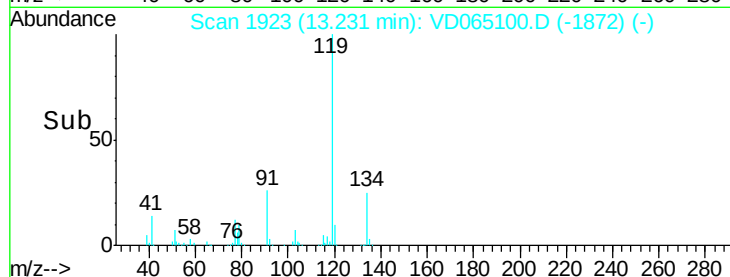
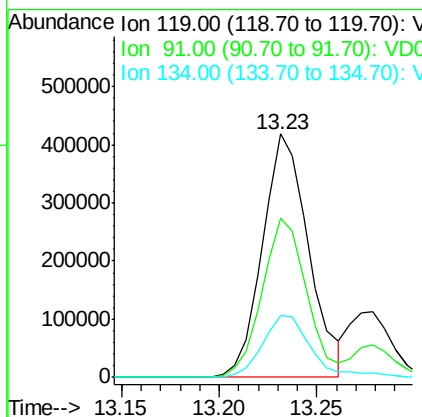
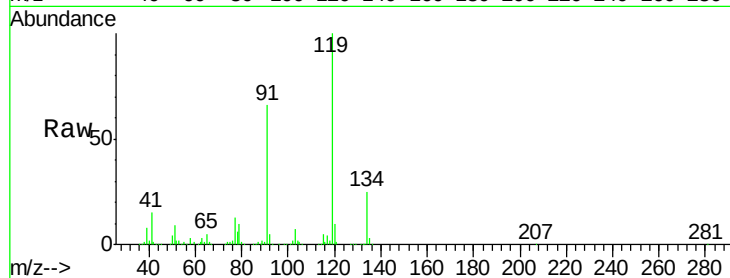
#83
tert-Butylbenzene
Concen: 49.060 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.3	96.9
134	27.0	13.8	41.3

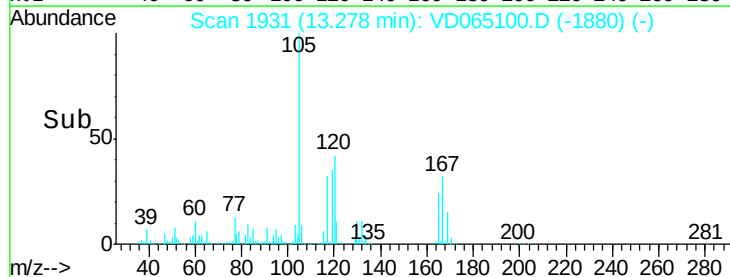
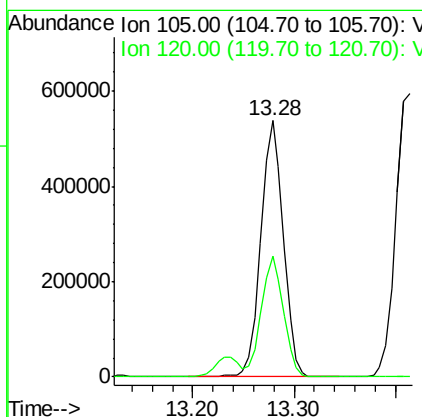
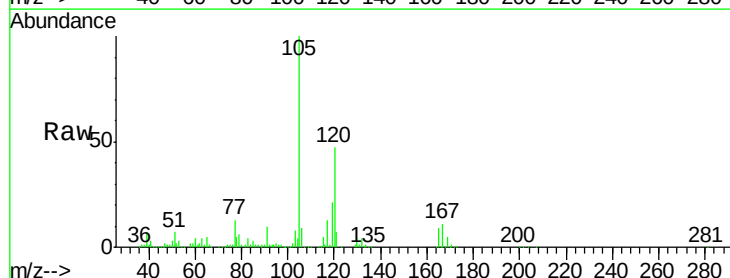
Manual Integrations
APPROVED

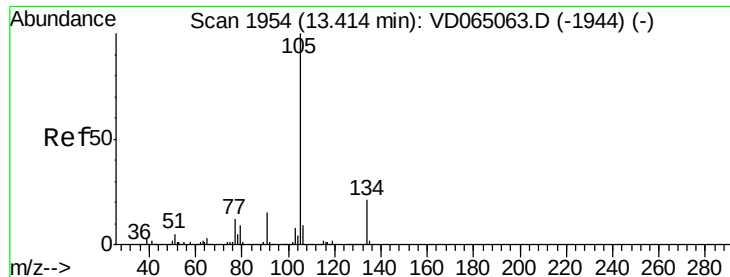
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#84
1,2,4-Trimethylbenzene
Concen: 51.295 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.5





#85

sec-Butylbenzene

Concen: 49.162 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 939752

Ion Ratio Lower Upper

105 100

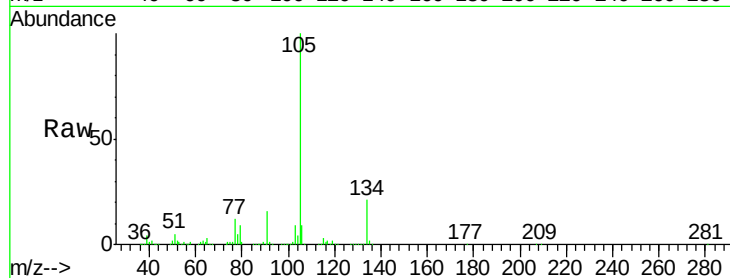
134 20.3 10.4 31.1

Manual Integrations

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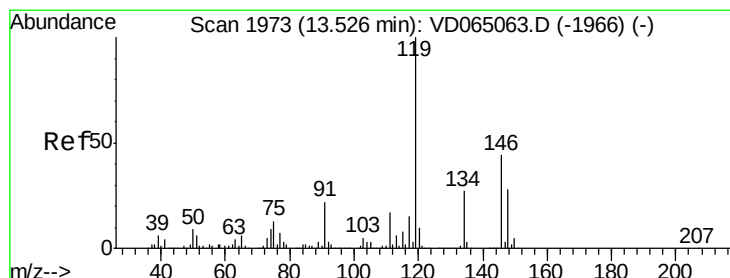
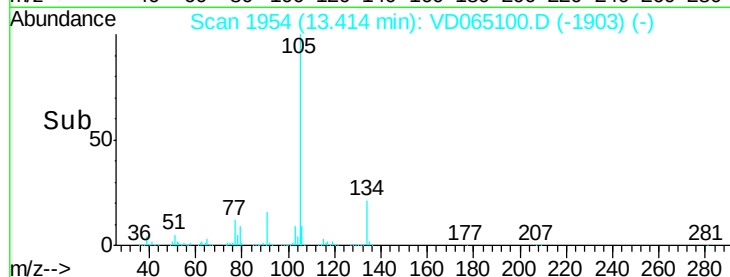
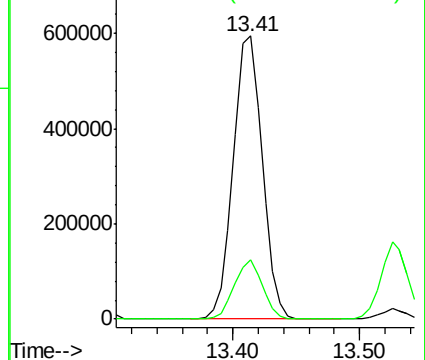
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.783 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

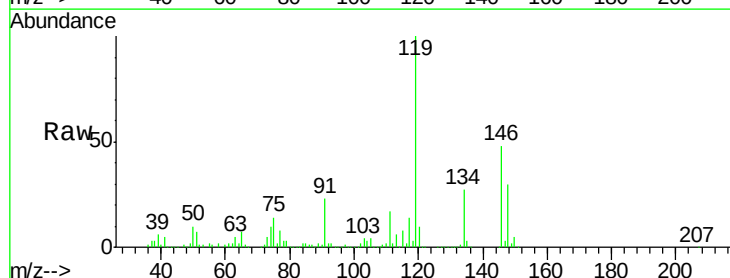
Tgt Ion:119 Resp: 901929

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

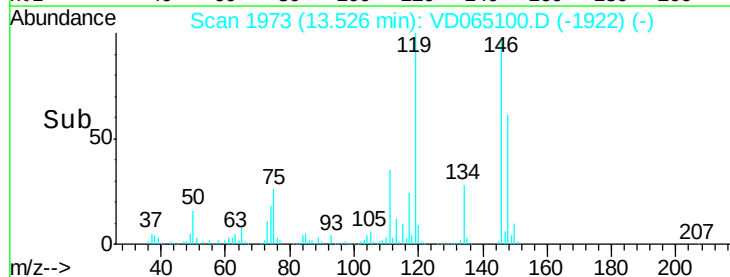
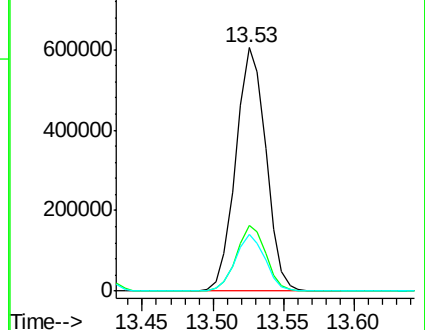
91 22.7 11.3 33.9

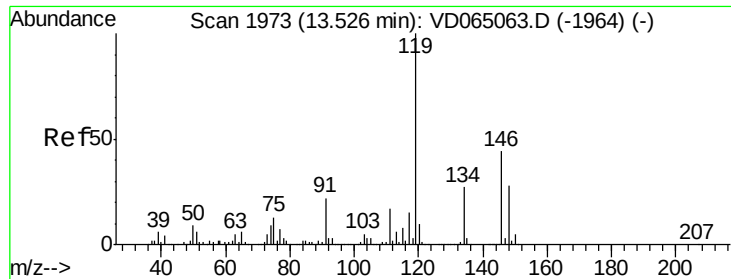


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.208 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Instrument :

MSVOA_D

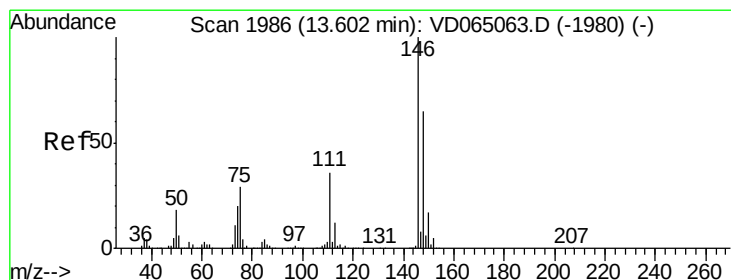
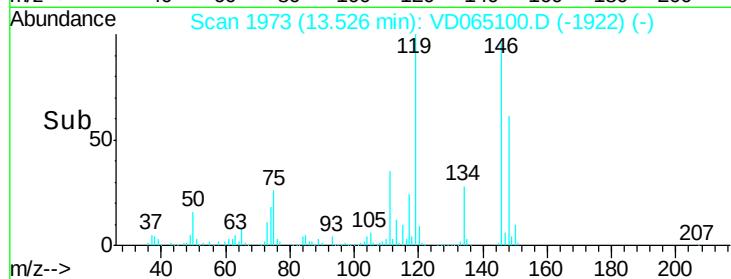
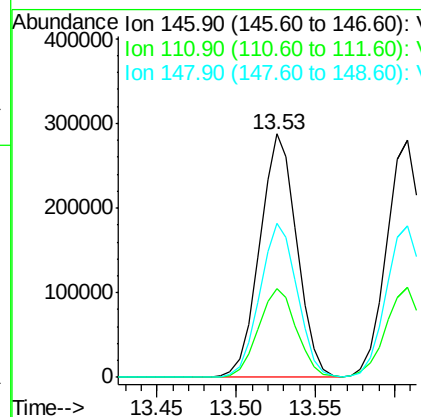
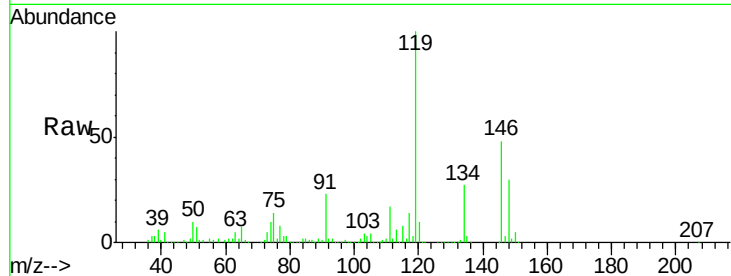
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	467013
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.4	58.4
148	63.8	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.485 ug/l

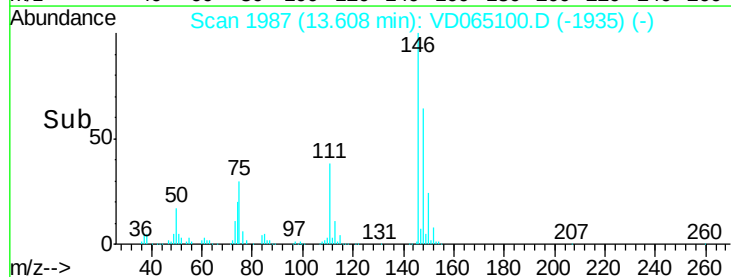
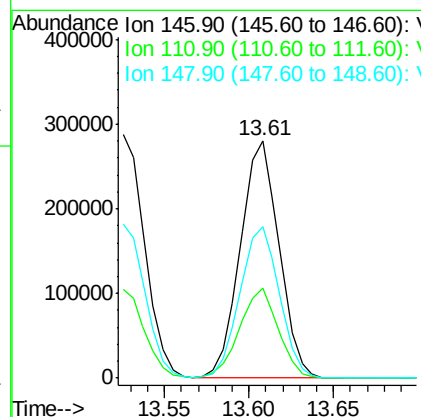
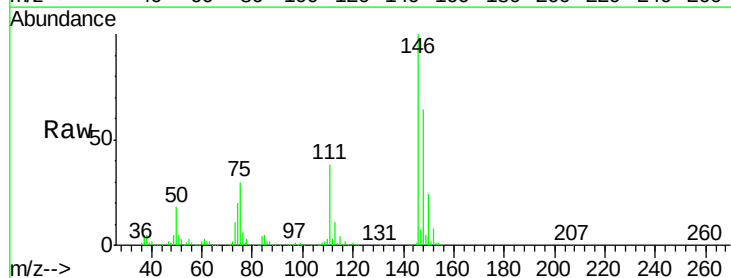
RT: 13.61 min Scan# 1987

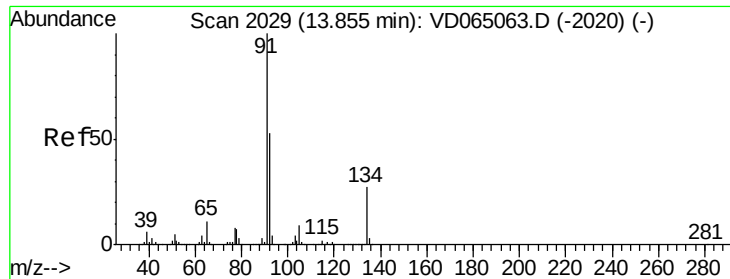
Delta R.T. 0.01 min

Lab File: VD065100.D

Acq: 06 Feb 2020 21:38

Tgt Ion:	146	Resp:	449469
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.5	55.5
148	64.9	32.7	98.1





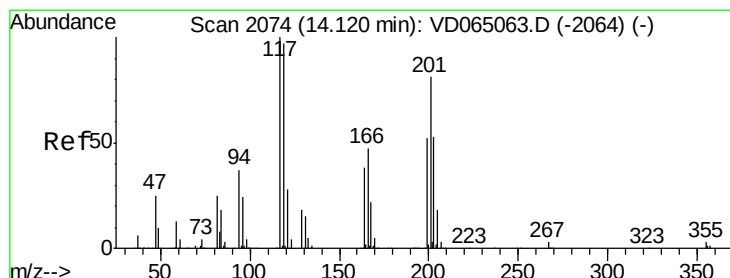
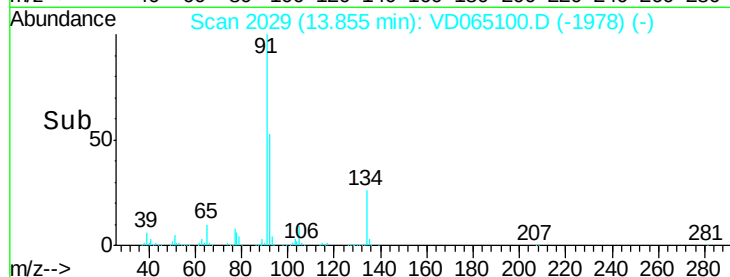
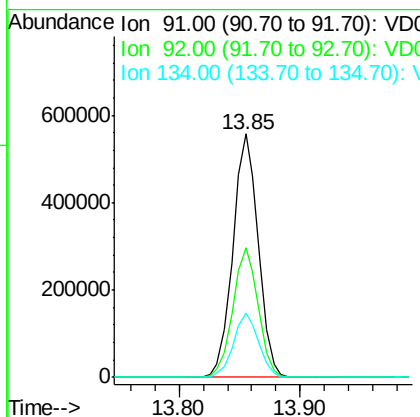
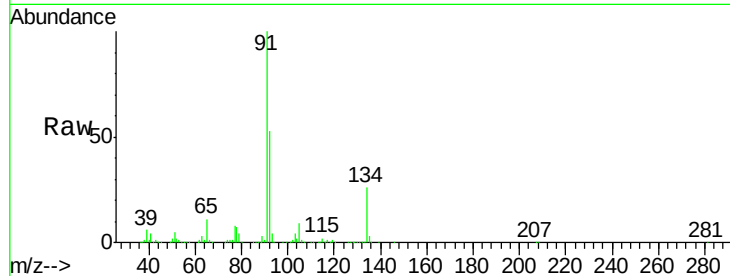
#89
n-Butylbenzene
Concen: 49.584 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.7	80.1
134	26.1	13.4	40.2

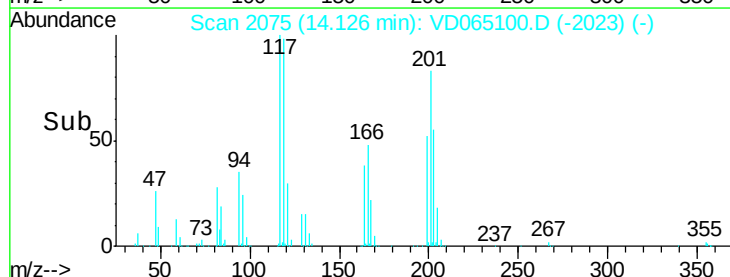
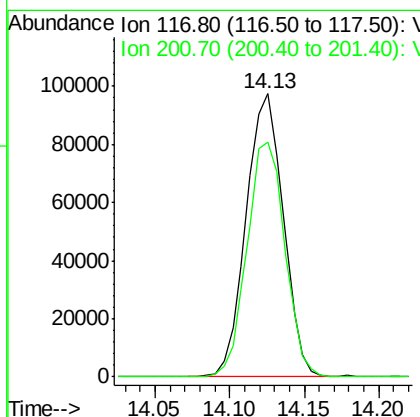
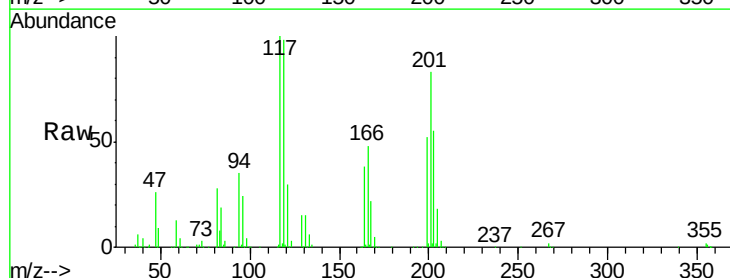
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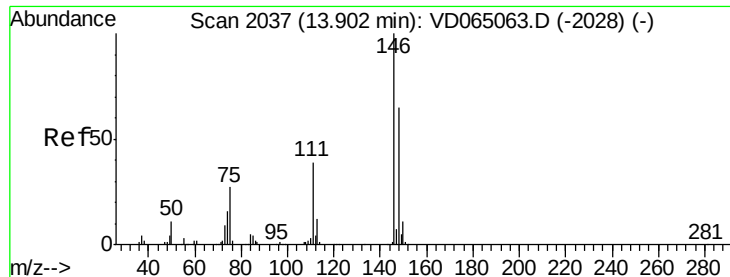
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#90
Hexachloroethane
Concen: 49.972 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	42.5	127.6





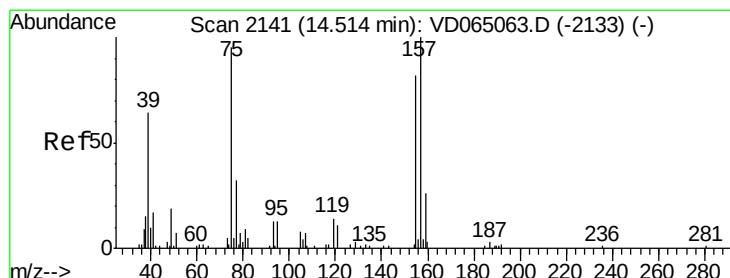
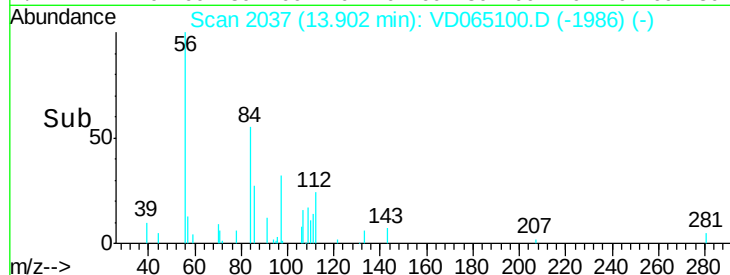
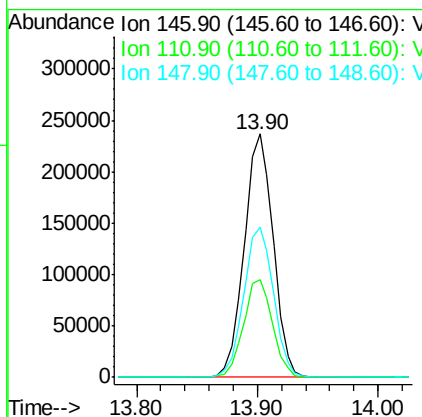
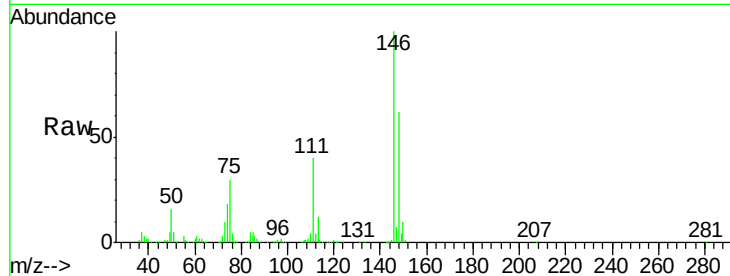
#91
 1,2-Dichlorobenzene
 Concen: 51.811 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	396967		
111	40.3	19.7	59.1	
148	63.4	31.9	95.5	

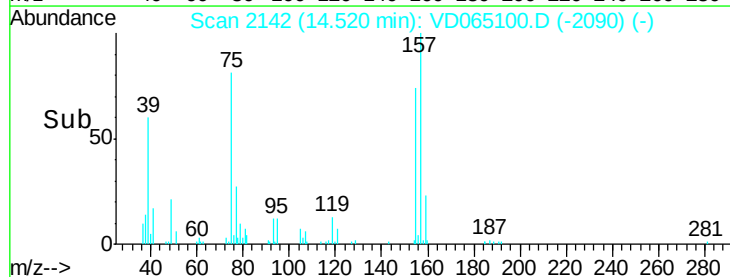
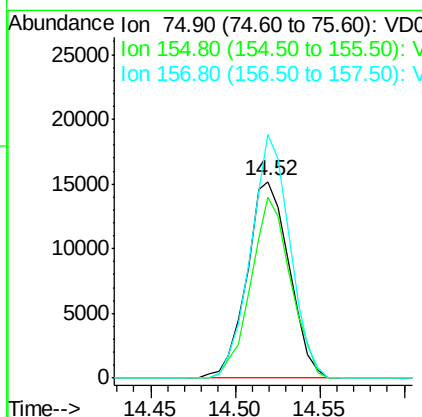
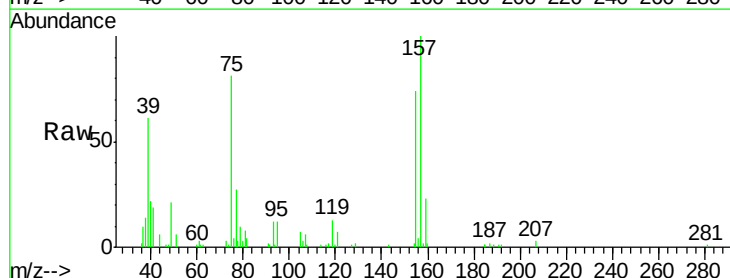
Manual Integrations
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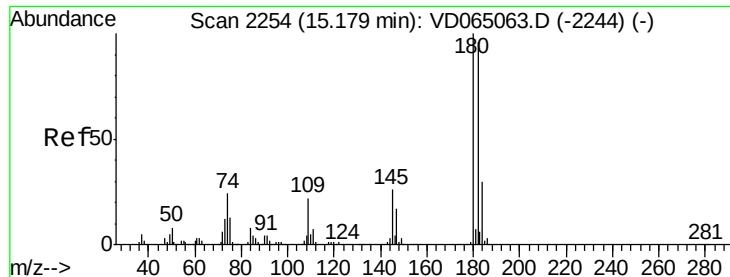
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.981 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26482		
155	85.9	43.4	130.1	
157	114.2	55.8	167.3	





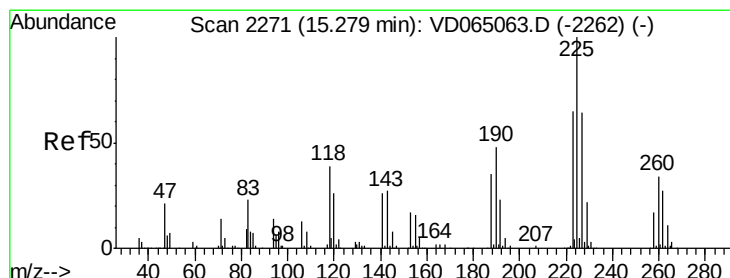
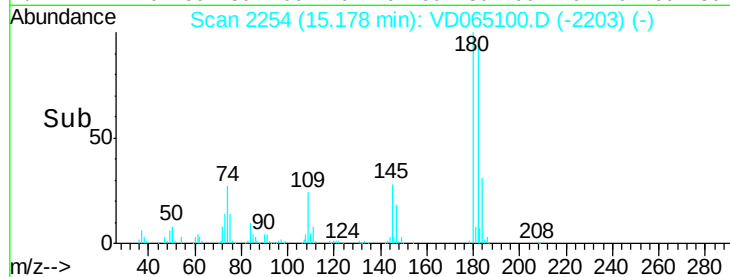
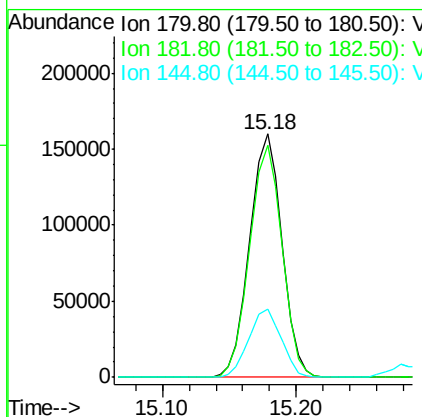
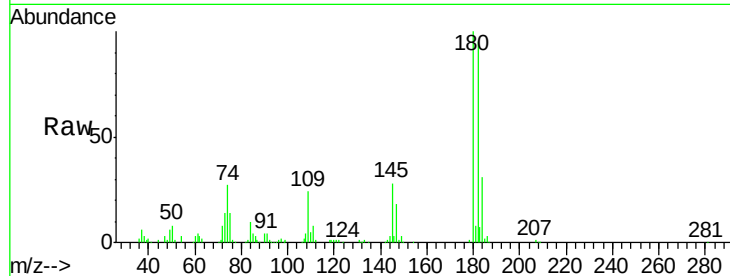
#93
 1,2,4-Trichlorobenzene
 Concen: 48.739 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266903		
182	95.7	47.4	142.3	
145	28.4	14.1	42.4	

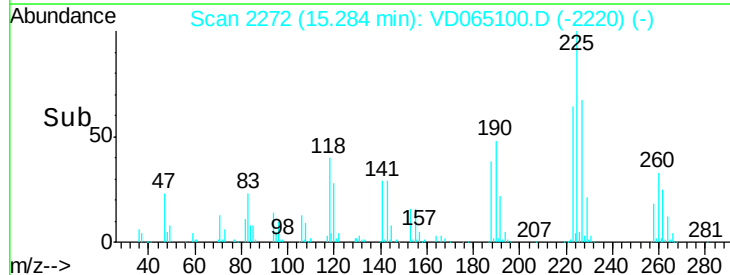
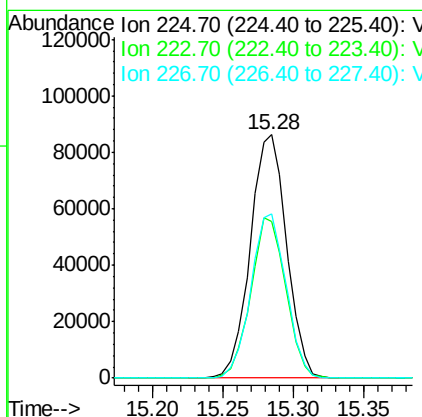
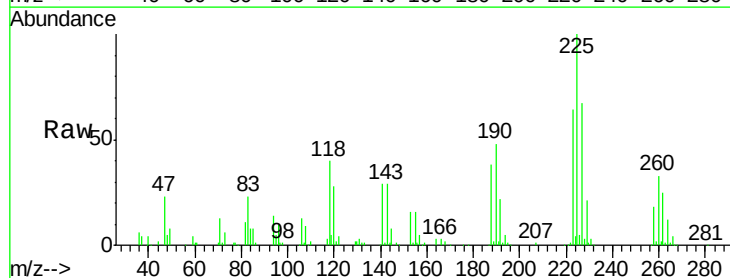
Manual Integrations
 APPROVED

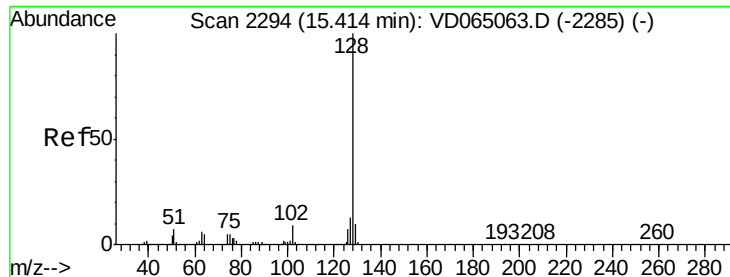
MMDadoda
 2/7/2020 12:05:46 PM



#94
 Hexachlorobutadiene
 Concen: 46.211 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065100.D
 Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155599		
223	63.6	31.4	94.0	
227	65.5	31.8	95.3	





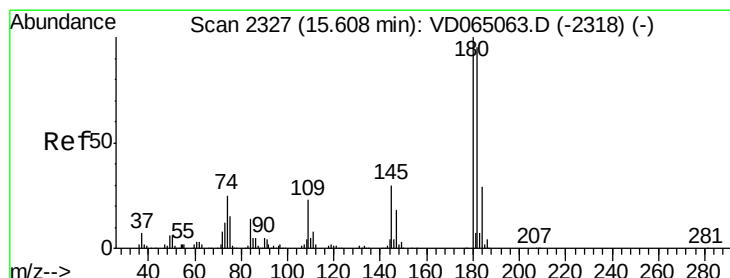
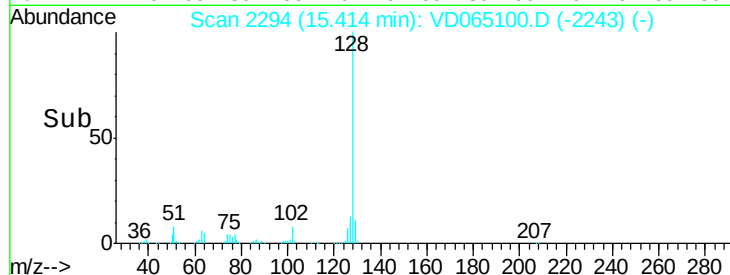
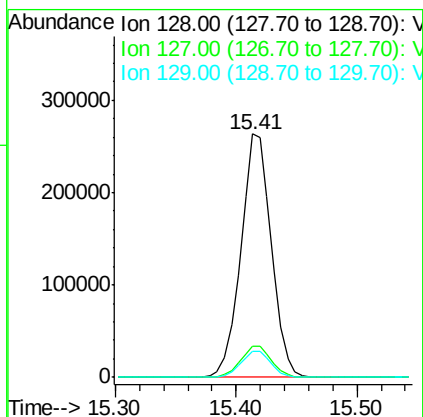
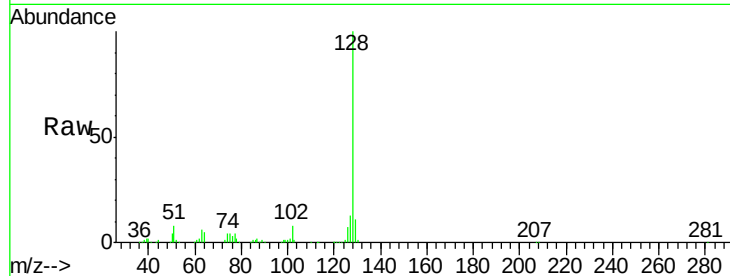
#95
Naphthalene
Concen: 50.712 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.573 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065100.D
Acq: 06 Feb 2020 21:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	30.0	14.9	44.9

