

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065063.D
 Acq On : 05 Feb 2020 14:36
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:14 AM

Quant Time: Feb 05 15:34:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	592136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	861289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	751979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	364285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	260153	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.92	113	256132	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.34	98	1028533	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.64	95	324417	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	256434	56.229	ug/l	100
3) Chloromethane	2.21	50	282827	44.055	ug/l	100
4) Vinyl Chloride	2.35	62	312056	42.647	ug/l	100
5) Bromomethane	2.77	94	193719	39.553	ug/l	100
6) Chloroethane	2.93	64	193287	40.411	ug/l	100
7) Trichlorofluoromethane	3.27	101	458071	40.838	ug/l	100
8) Diethyl Ether	3.71	74	126143	48.342	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	279277	51.322	ug/l	100
10) Methyl Iodide	4.30	142	328504	56.664	ug/l	100
11) Tert butyl alcohol	5.24	59	70945	232.652	ug/l	100
12) 1,1-Dichloroethene	4.06	96	261603	50.398	ug/l	100
13) Acrolein	3.93	56	89127	228.839	ug/l	100
14) Allyl chloride	4.71	41	437472	52.590	ug/l	100
15) Acrylonitrile	5.43	53	272553	241.307	ug/l	100
16) Acetone	4.17	43	302640	253.281	ug/l	100
17) Carbon Disulfide	4.40	76	849752	49.906	ug/l	100
18) Methyl Acetate	4.73	43	123370	46.720	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	570546	49.695	ug/l	100
20) Methylene Chloride	4.97	84	284757	43.186	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	291696	49.099	ug/l	100
22) Diisopropyl ether	6.37	45	824717	50.316	ug/l	100
23) Vinyl Acetate	6.31	43	2330221	245.289	ug/l	100
24) 1,1-Dichloroethane	6.27	63	490713	48.801	ug/l	100
25) 2-Butanone	7.23	43	358807	237.590	ug/l	100
26) 2,2-Dichloropropane	7.21	77	458681	49.988	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	315168	49.571	ug/l	100
28) Bromochloromethane	7.55	49	183293	47.140	ug/l	100
29) Tetrahydrofuran	7.57	42	219508	234.626	ug/l	100
30) Chloroform	7.71	83	492469	47.560	ug/l	100
31) Cyclohexane	7.98	56	487902	48.970	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	463983	48.129	ug/l	100
36) 1,1-Dichloropropene	8.11	75	412859	49.792	ug/l	100
37) Ethyl Acetate	7.30	43	158464	46.439	ug/l	100
38) Carbon Tetrachloride	8.10	117	421082	48.396	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	519957	53.186	ug/l	100
40) Benzene	8.36	78	1123358	49.239	ug/l	100
41) Methacrylonitrile	7.53	41	90588	50.430	ug/l	100
42) 1,2-Dichloroethane	8.43	62	318665	47.248	ug/l	100
43) Isopropyl Acetate	8.46	43	312464	48.223	ug/l	100
44) Trichloroethene	9.11	130	322028	50.108	ug/l	100
45) 1,2-Dichloropropane	9.39	63	271030	48.883	ug/l	100
46) Dibromomethane	9.48	93	139753	46.534	ug/l	100
47) Bromodichloromethane	9.67	83	372169	47.602	ug/l	100
48) Methyl methacrylate	9.46	41	148904	49.939	ug/l	100
49) 1,4-Dioxane	9.47	88	32617	945.051	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	770902	239.258	ug/l	100
52) Toluene	10.41	92	730127	49.586	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	365453	49.049	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	435444	49.711	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	190863	47.227	ug/l	100
56) Ethyl methacrylate	10.67	69	248342	51.208	ug/l	100
57) 1,3-Dichloropropane	10.95	76	336933	48.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	474072	280.652	ug/l	100
59) 2-Hexanone	10.99	43	559968	251.096	ug/l	100
60) Dibromochloromethane	11.14	129	251097	46.629	ug/l	100
61) 1,2-Dibromoethane	11.26	107	186670	47.861	ug/l	100
64) Tetrachloroethene	10.88	164	277864	50.950	ug/l	100
65) Chlorobenzene	11.68	112	748582	48.913	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	280068	48.880	ug/l	100
67) Ethyl Benzene	11.75	91	1381941	50.943	ug/l	100
68) m/p-Xylenes	11.86	106	1064310	101.935	ug/l	100
69) o-Xylene	12.18	106	478212	51.484	ug/l	100
70) Styrene	12.20	104	835434	50.834	ug/l	100
71) Bromoform	12.37	173	145809	46.250	ug/l #	100
73) Isopropylbenzene	12.48	105	1307818	52.412	ug/l	100
74) N-amyl acetate	12.30	43	279073	50.276	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	197732	47.639	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	142734m	48.451	ug/l	
77) Bromobenzene	12.77	156	306190	50.296	ug/l	100
78) n-propylbenzene	12.83	91	1534394	51.753	ug/l	100
79) 2-Chlorotoluene	12.91	91	841611	51.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1057474	51.734	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	70592	49.976	ug/l	100
82) 4-Chlorotoluene	13.01	91	879057	50.922	ug/l	100
83) tert-Butylbenzene	13.23	119	902648	52.100	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1050764	50.899	ug/l	100
85) sec-Butylbenzene	13.41	105	1276999	51.898	ug/l	100
86) p-Isopropyltoluene	13.53	119	1188214	51.845	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	571105	49.008	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	562491	48.641	ug/l	100
89) n-Butylbenzene	13.86	91	1096140	52.400	ug/l	100
90) Hexachloroethane	14.12	117	220337	49.969	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	489302	49.491	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32123	48.056	ug/l	100

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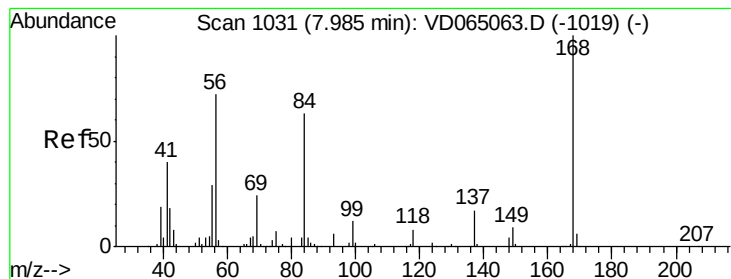
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	353150	51.292	ug/l	100
94) Hexachlorobutadiene	15.28	225	217111	49.852	ug/l	100
95) Naphthalene	15.41	128	575292	51.991	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	293554	49.601	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 592136

Ion Ratio Lower Upper

168 100

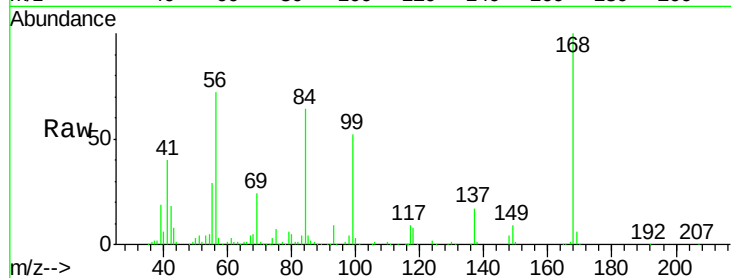
99 51.3 41.0 61.6

Manual Integrations

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2/6/2020 10:37:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

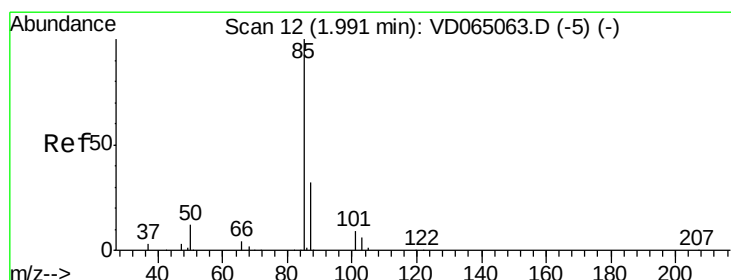
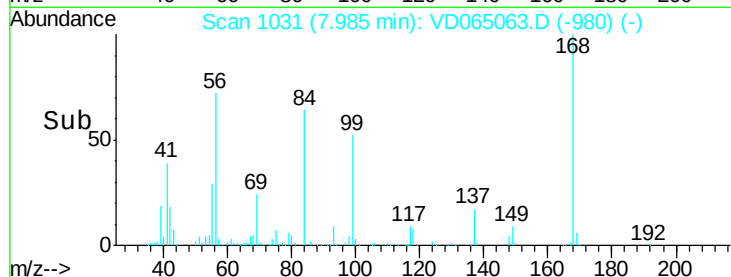
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.229 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065063.D

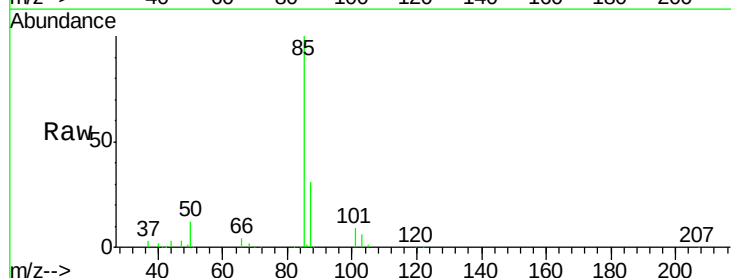
Acq: 05 Feb 2020 14:36

Tgt Ion: 85 Resp: 256434

Ion Ratio Lower Upper

85 100

87 31.5 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

200000

150000

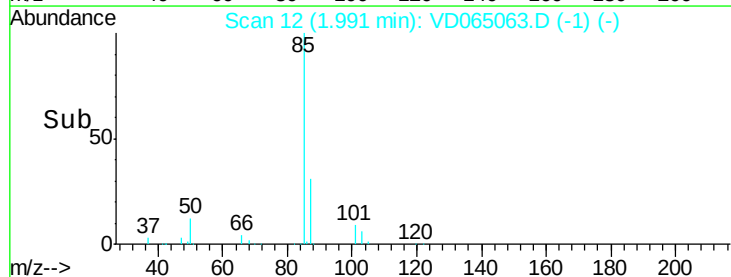
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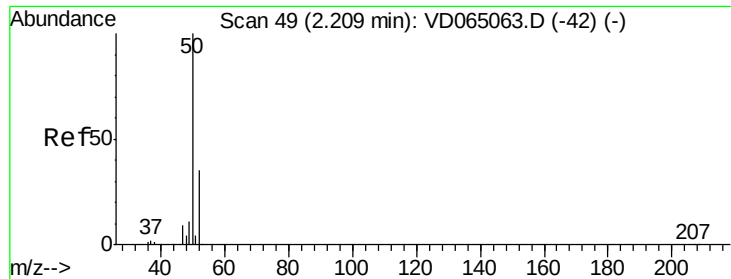
50000

0

1.90 1.95 2.00 2.05

Time-->





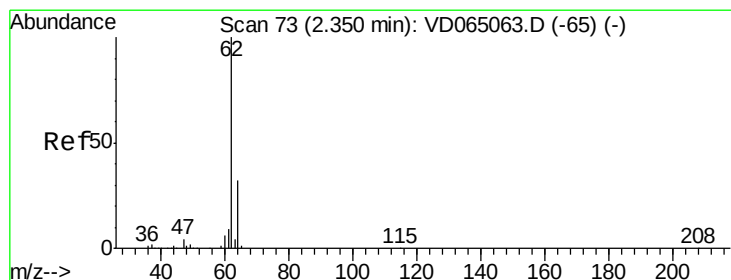
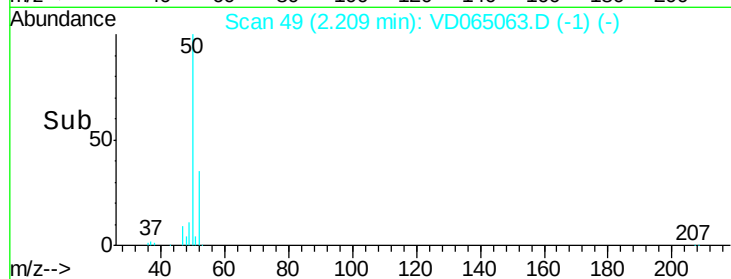
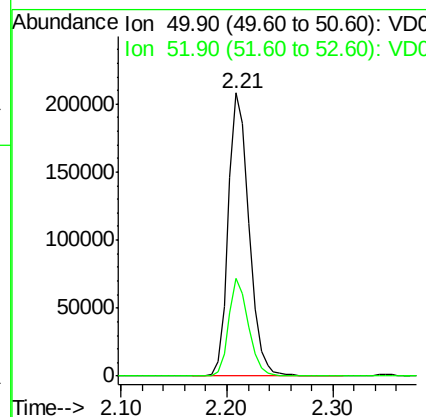
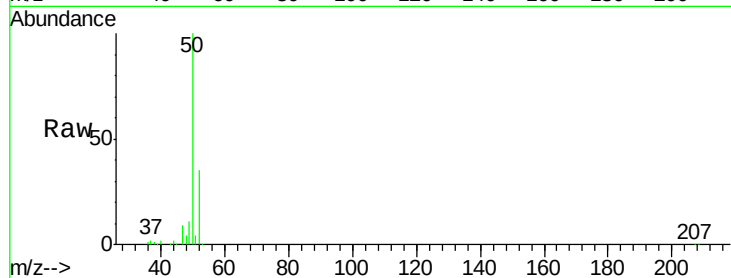
#3
Chloromethane
Concen: 44.055 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.7	27.8	41.6

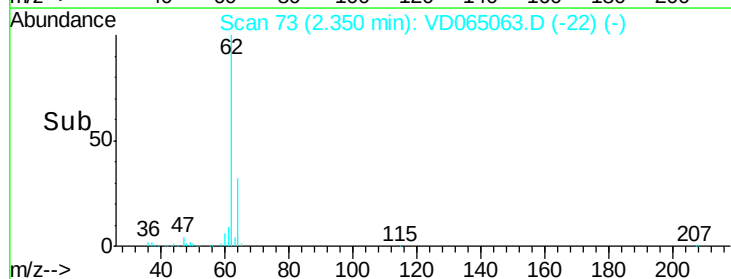
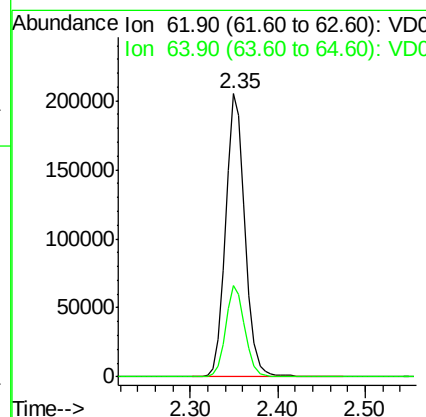
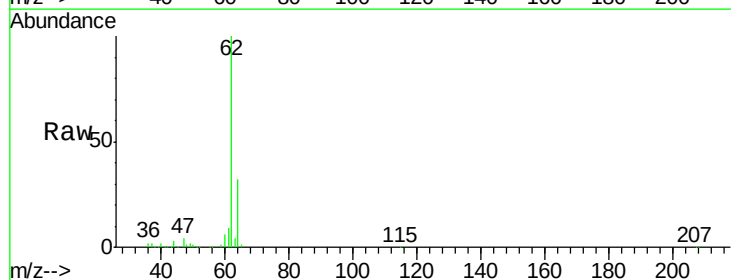
Manual Integrations
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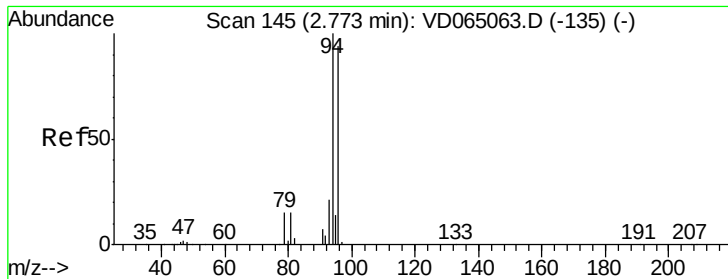
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#4
Vinyl Chloride
Concen: 42.647 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.9	38.9





#5

Bromomethane

Concen: 39.553 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 193719

Ion Ratio Lower Upper

94 100

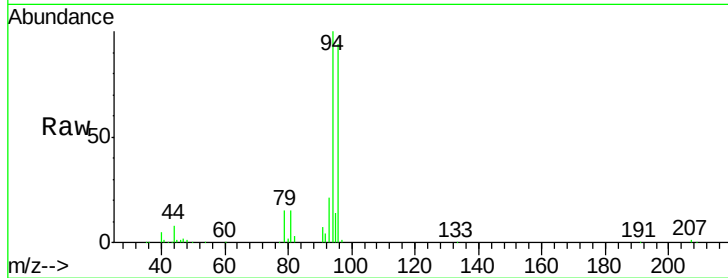
96 94.2 75.4 113.0

Manual Integrations

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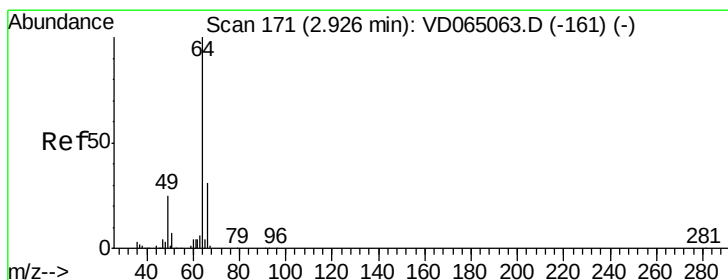
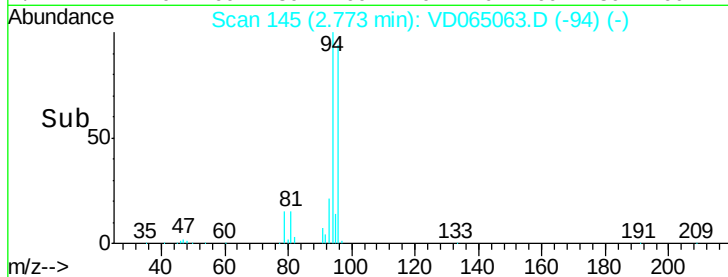
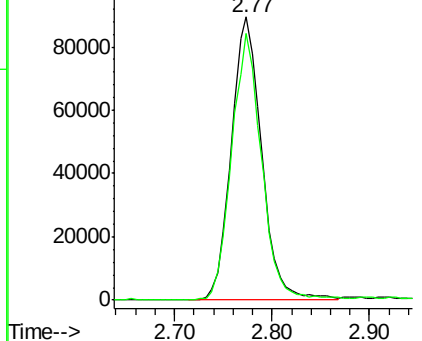
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2/6/2020 10:37:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 40.411 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065063.D

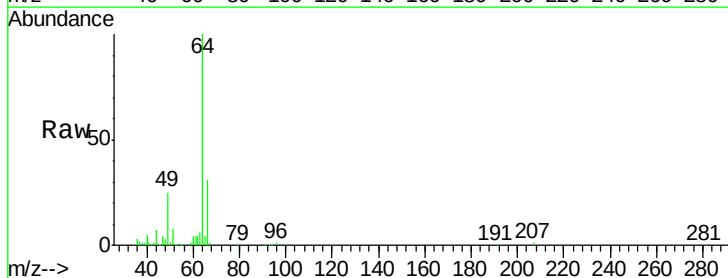
Acq: 05 Feb 2020 14:36

Tgt Ion: 64 Resp: 193287

Ion Ratio Lower Upper

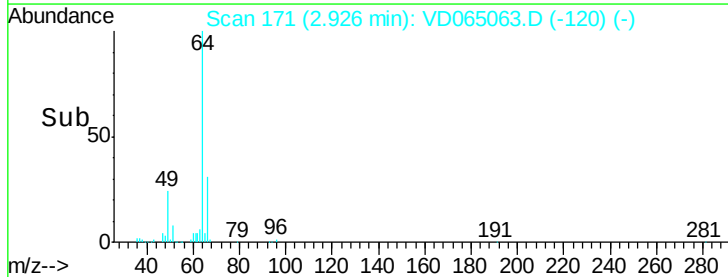
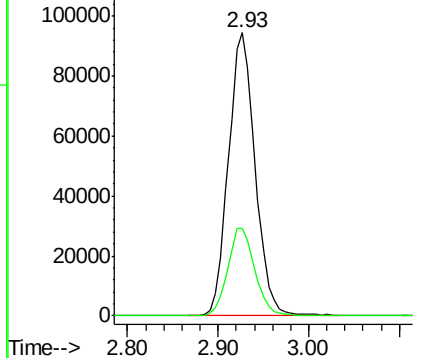
64 100

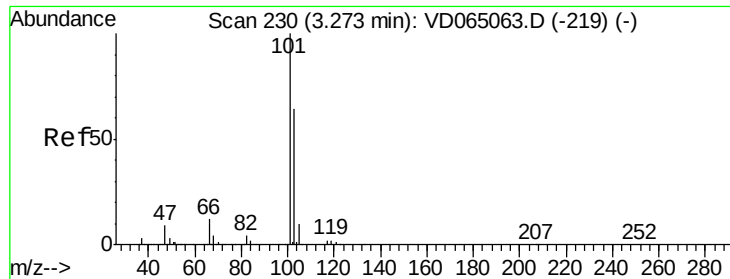
66 31.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

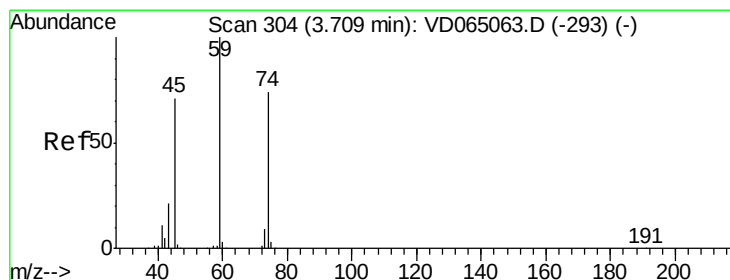
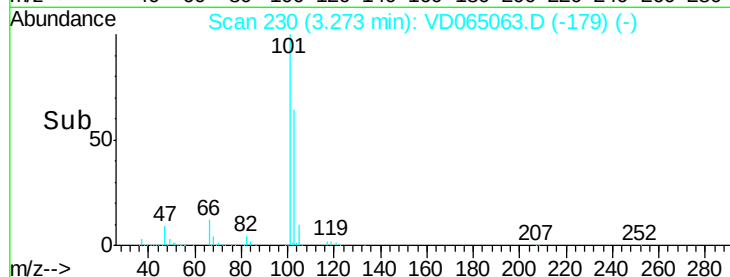
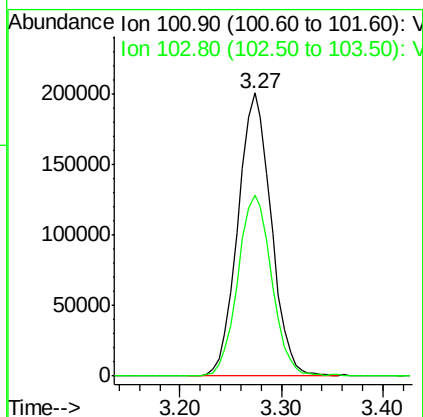
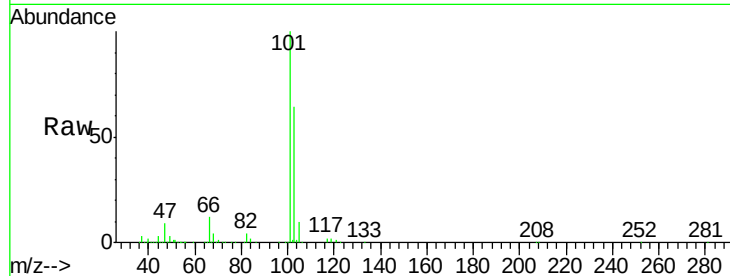
Trichlorofluoromethane
 Concen: 40.838 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

Manual Integrations
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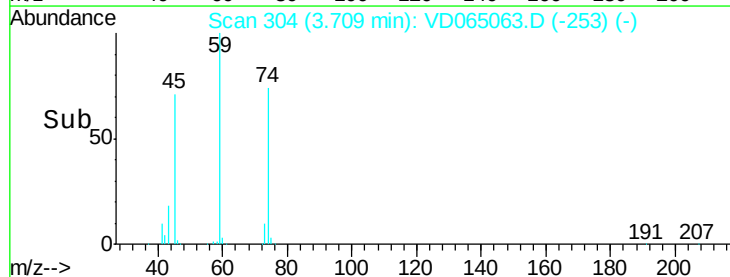
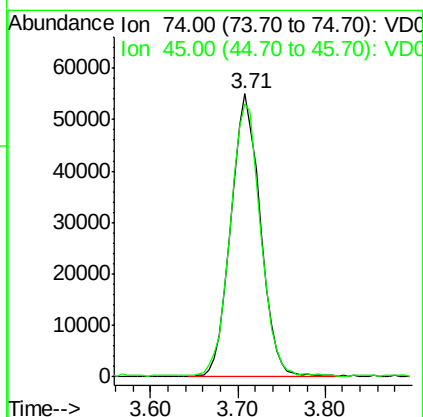
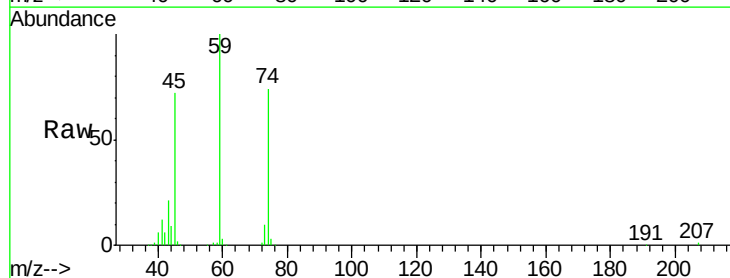
MMDadoda
 2/6/2020 10:37:14 AM

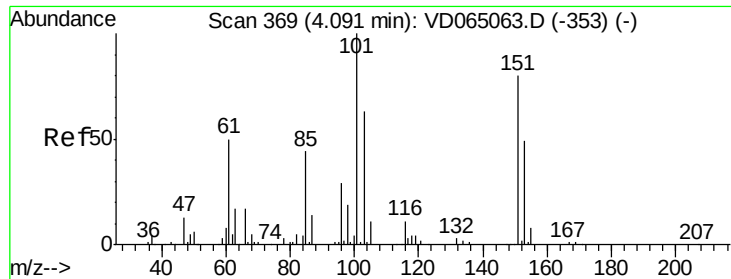


#8

Diethyl Ether
 Concen: 48.342 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.322 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

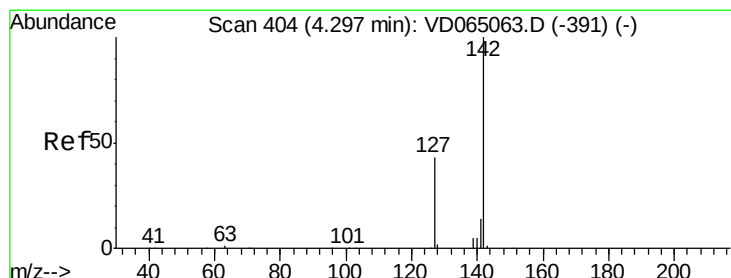
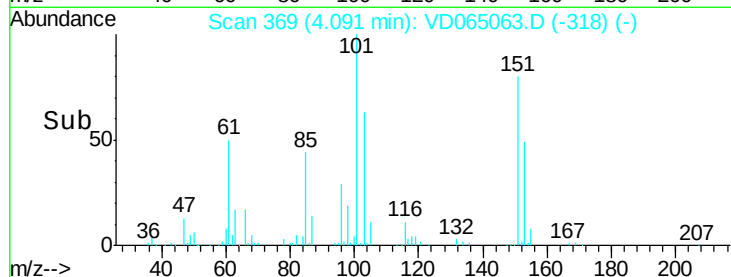
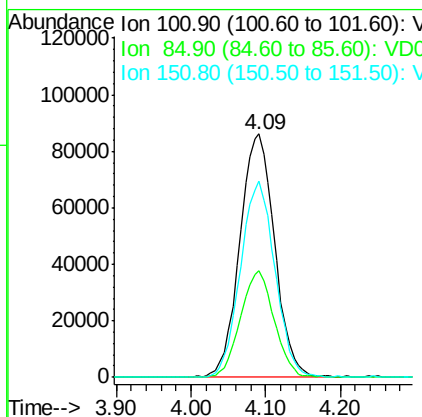
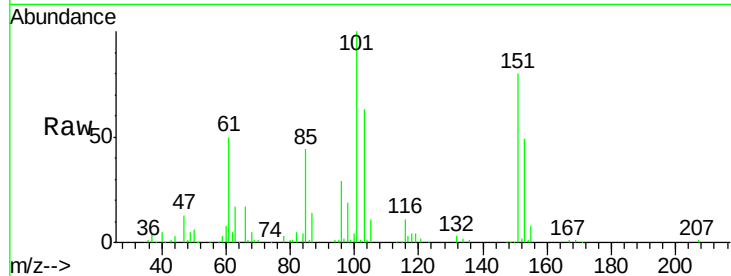
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	279277
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.0	51.0
151	80.0	64.0	96.0

Manual Integrations
APPROVED

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2/6/2020 10:37:14 AM



#10

Methyl Iodide

Concen: 56.664 ug/l

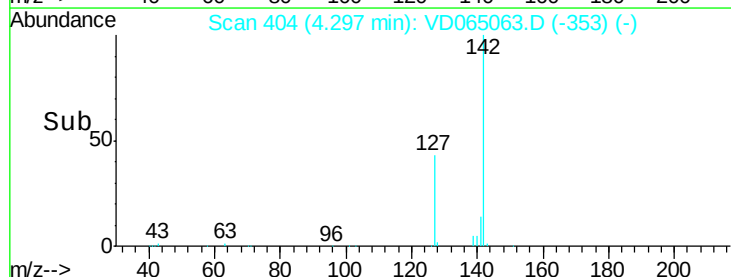
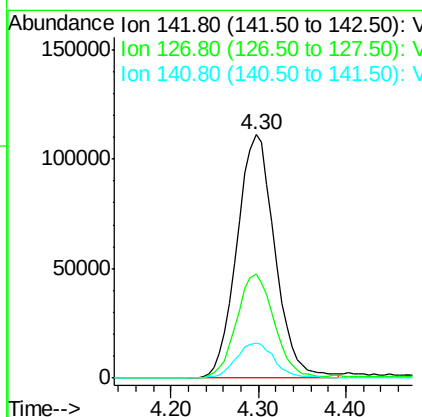
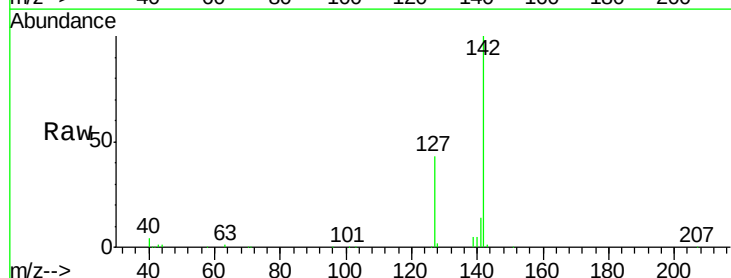
RT: 4.30 min Scan# 404

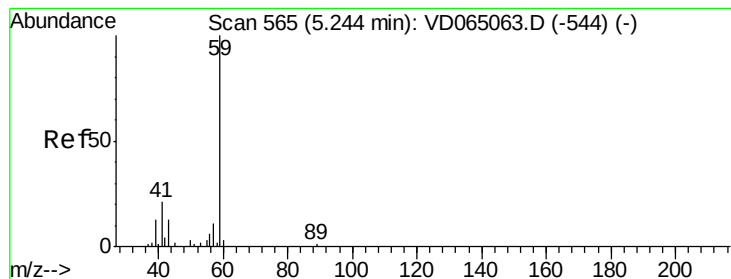
Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion:	142	Resp:	328504
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.0	51.0
141	14.5	11.6	17.4





#11

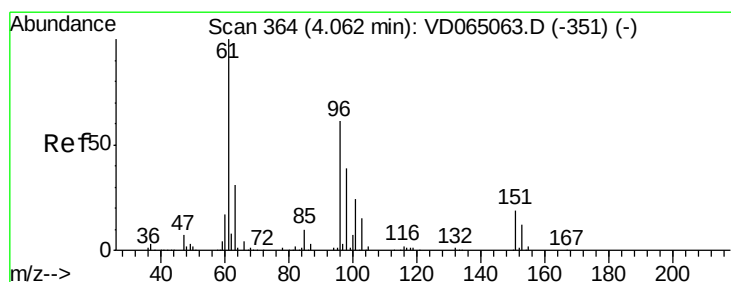
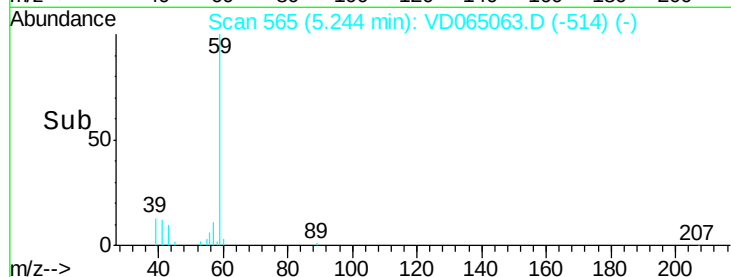
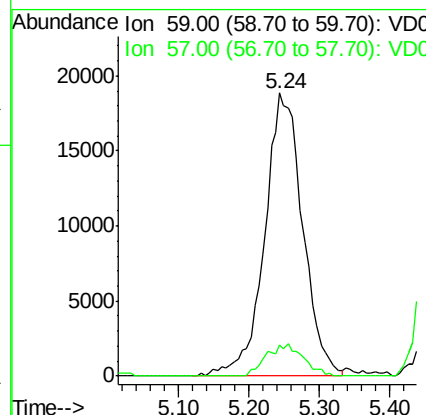
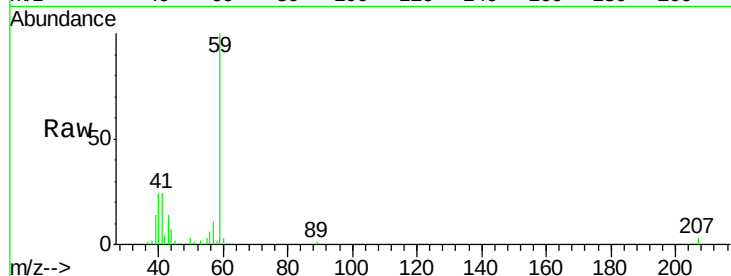
Tert butyl alcohol
Concen: 232.652 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.0	8.8	13.2

Manual Integrations
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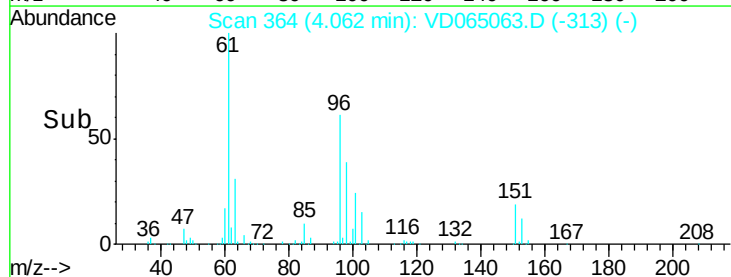
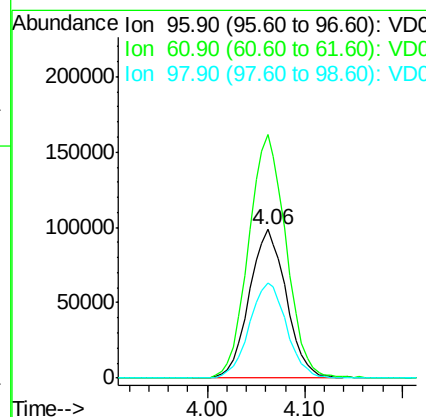
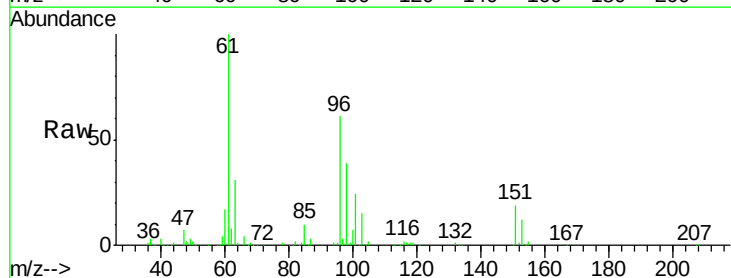
MMDadoda
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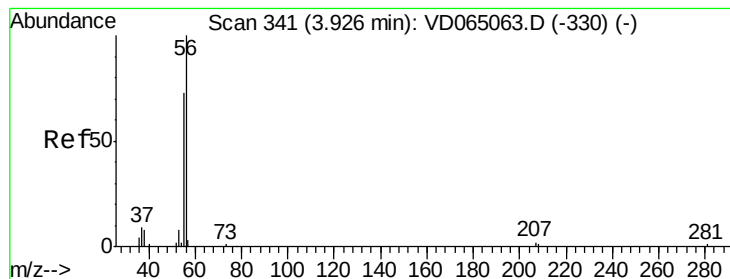


#12

1,1-Dichloroethene
Concen: 50.398 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	164.3	131.4	197.2
98	98	63.9	51.1	76.7





#13

Acrolein

Concen: 228.839 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 89127

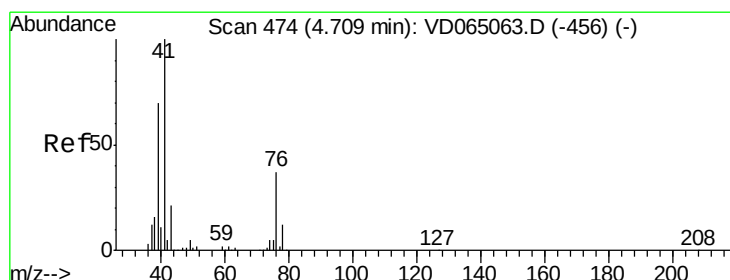
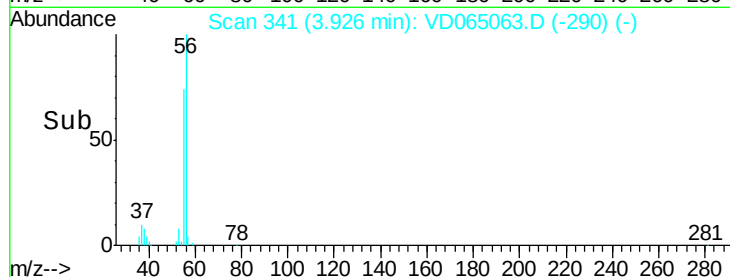
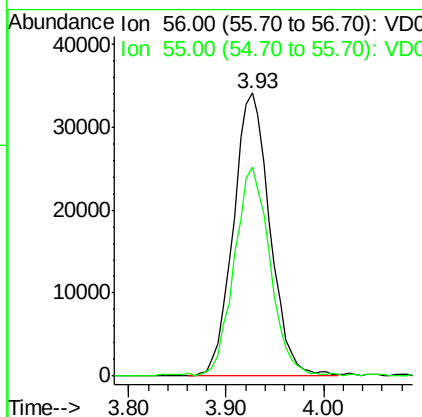
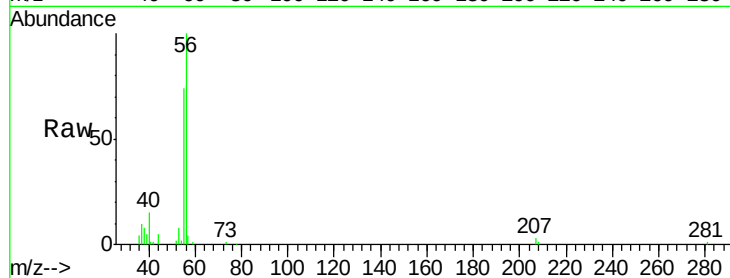
Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.2

Manual Integrations
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#14

Allyl chloride

Concen: 52.590 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

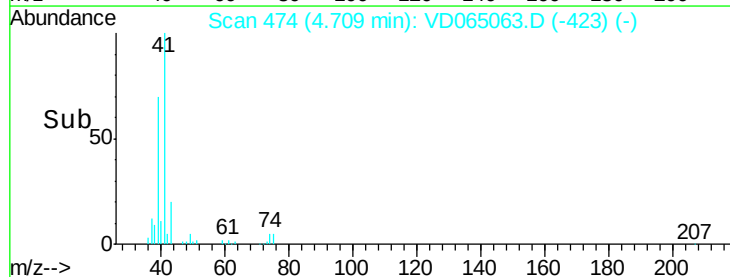
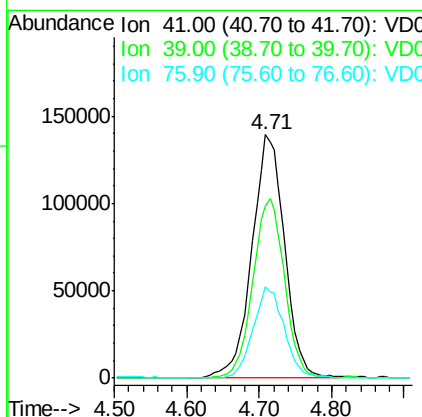
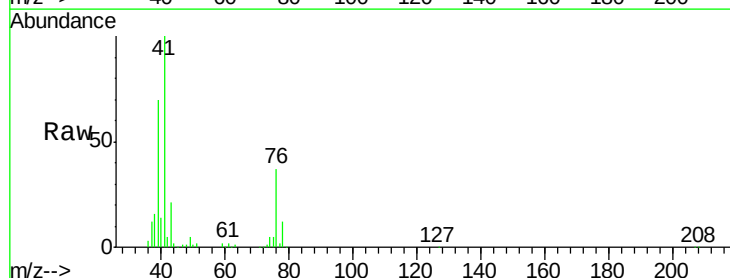
Tgt Ion: 41 Resp: 437472

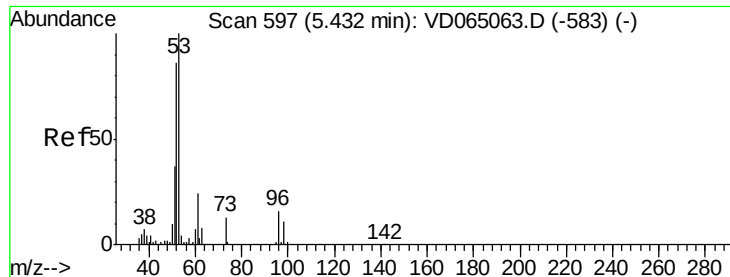
Ion Ratio Lower Upper

41 100

39 71.4 57.1 85.7

76 35.0 28.0 42.0





#15

Acrylonitrile

Concen: 241.307 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

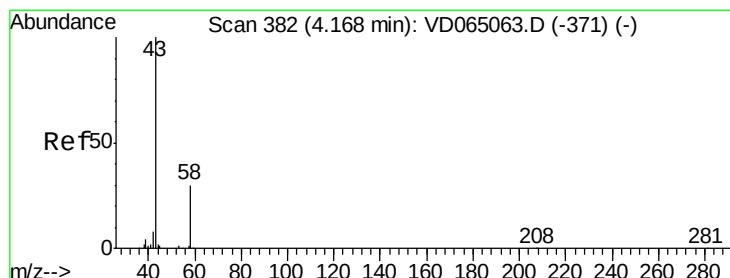
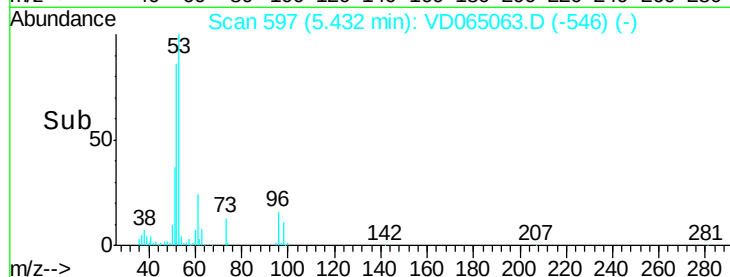
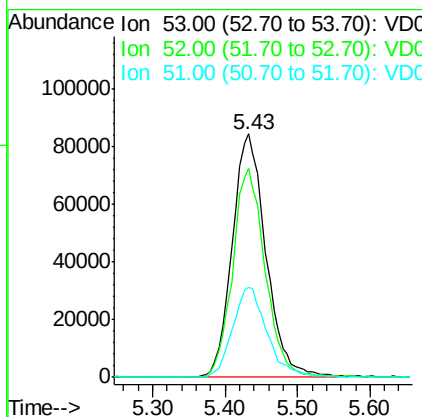
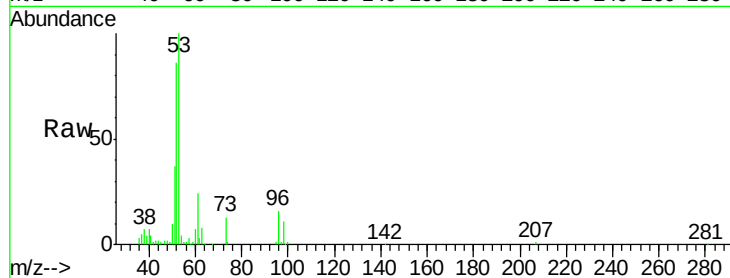
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	272553
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	38.0	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 253.281 ug/l

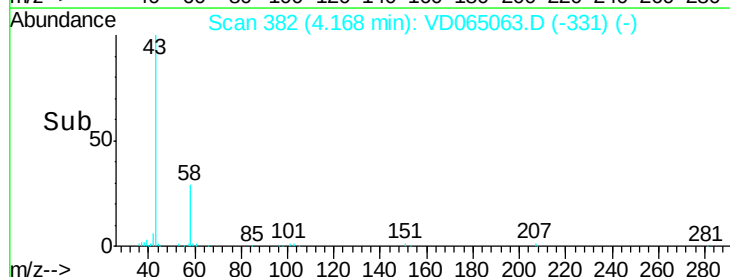
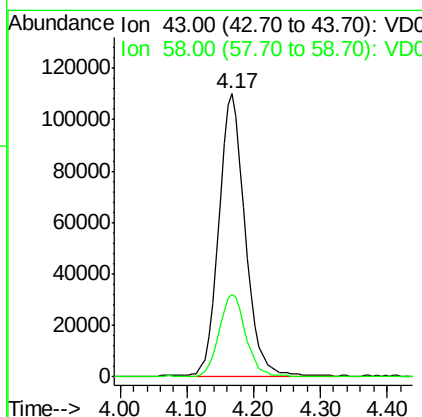
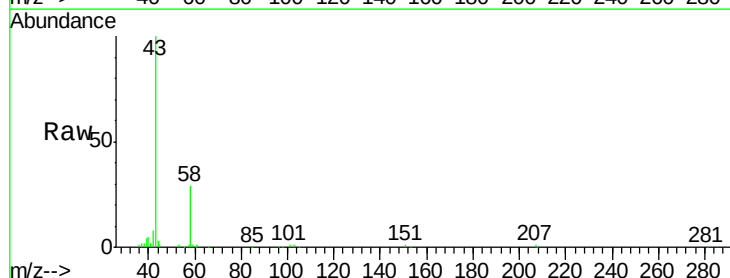
RT: 4.17 min Scan# 382

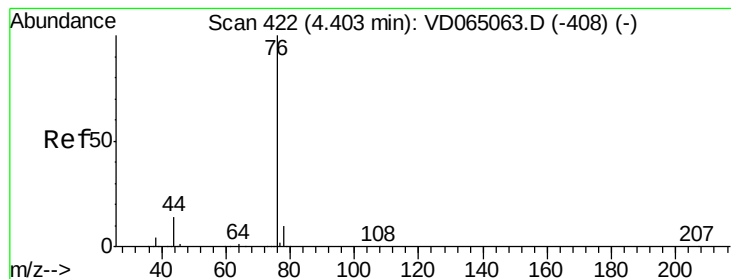
Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion:	43	Resp:	302640
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.5	35.3





#17

Carbon Disulfide

Concen: 49.906 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 849752

Ion Ratio Lower Upper

76 100

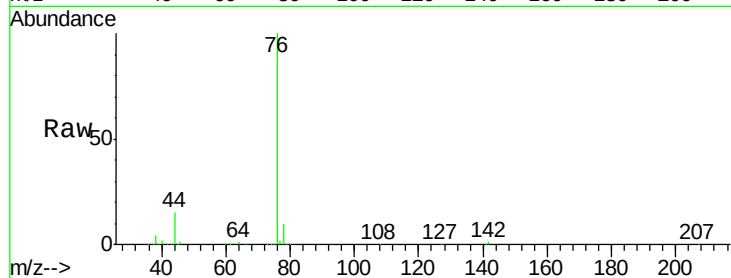
78 9.5 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

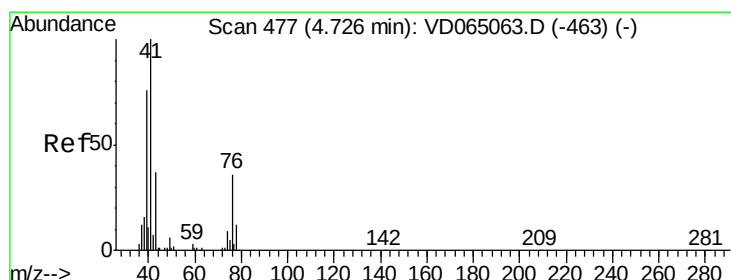
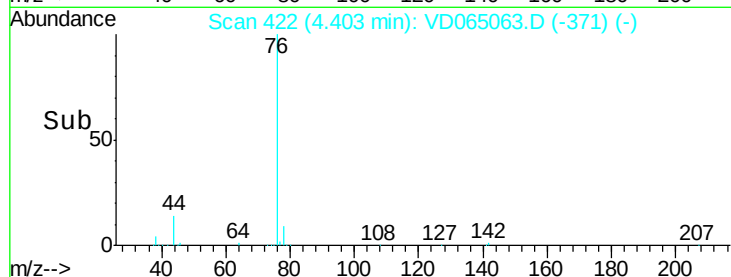
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 46.720 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065063.D

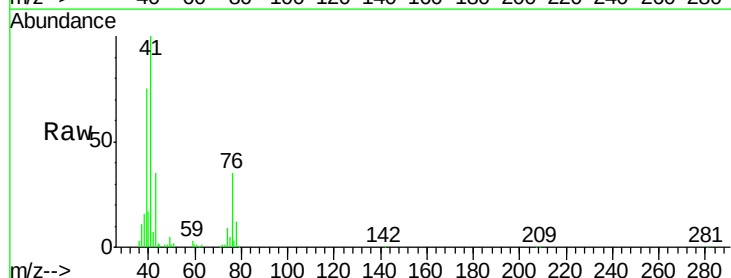
Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 123370

Ion Ratio Lower Upper

43 100

74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

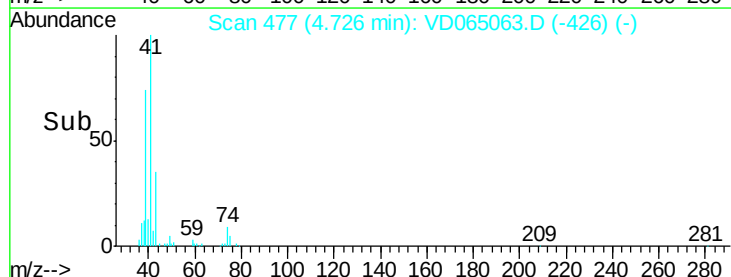
30000

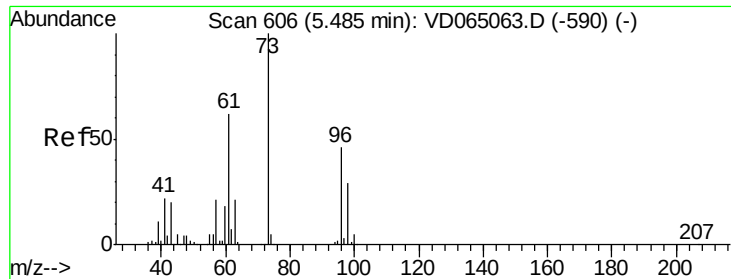
20000

10000

0

Time-->





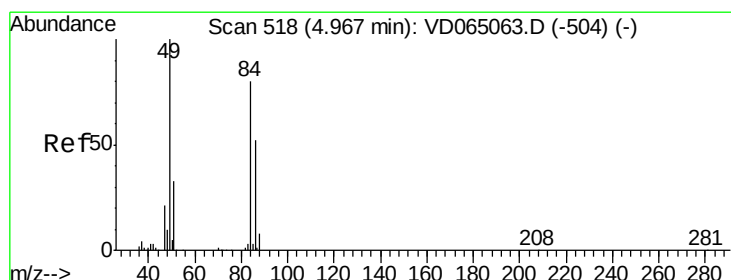
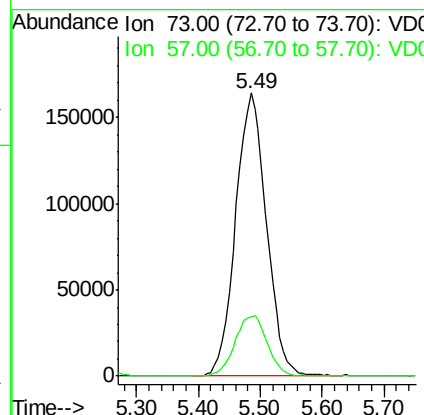
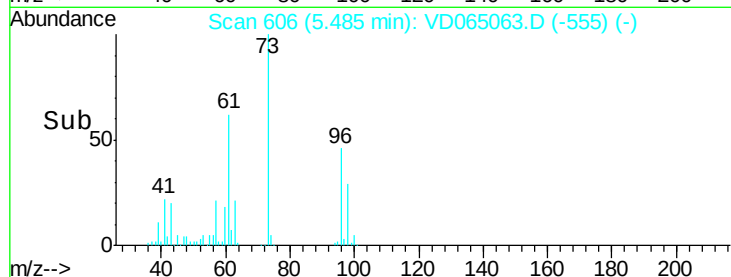
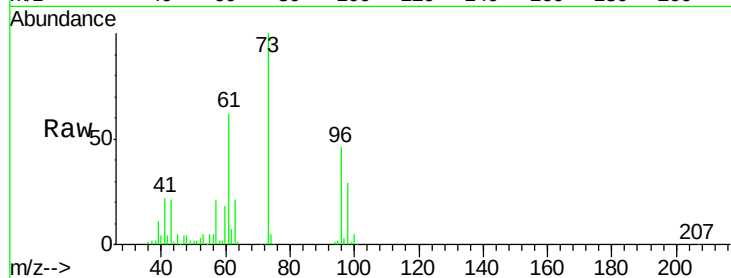
#19
Methyl tert-butyl Ether
Concen: 49.695 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 570546
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

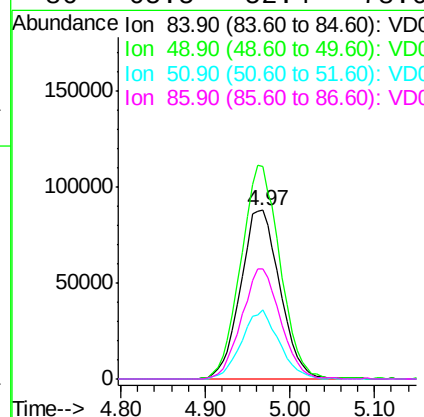
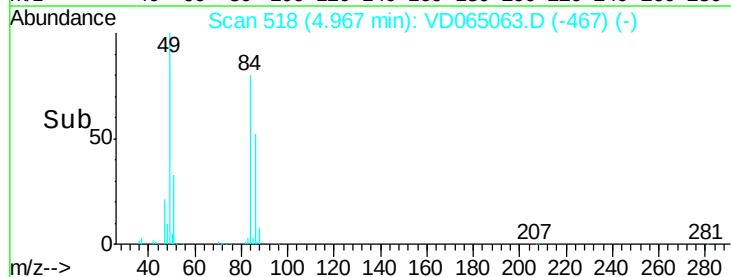
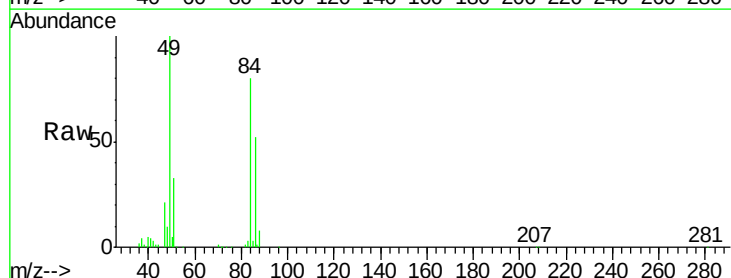
Manual Integrations
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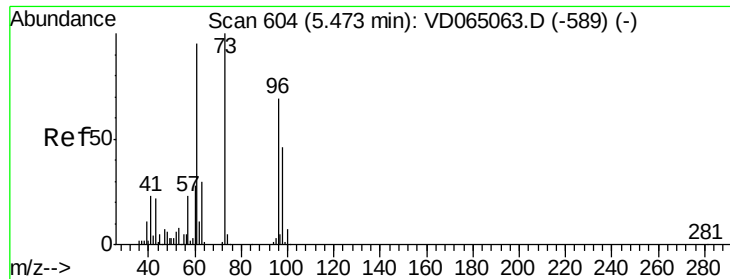
MMDadoda
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#20
Methylene Chloride
Concen: 43.186 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 84 Resp: 284757
Ion Ratio Lower Upper
84 100
49 125.5 100.4 150.6
51 40.9 32.7 49.1
86 65.5 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.099 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

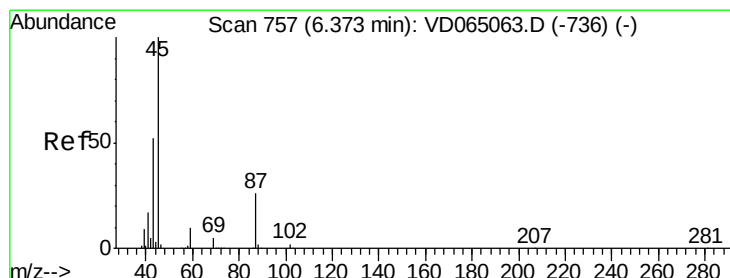
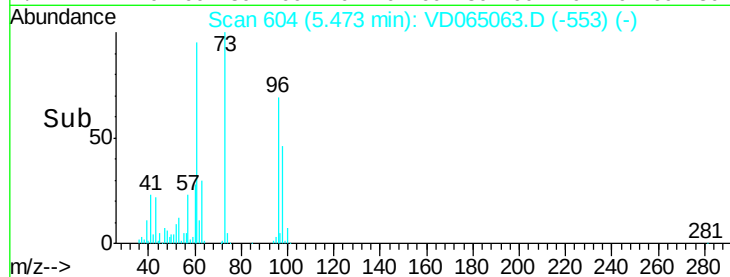
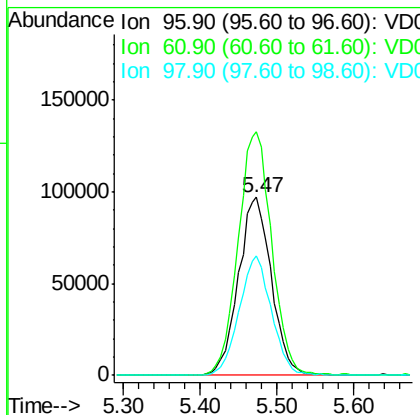
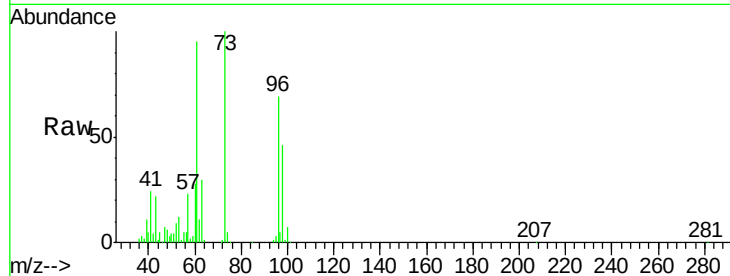
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	291696
Ion	Ratio	Lower	Upper
96	100		
61	136.9	109.5	164.3
98	67.1	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.316 ug/l

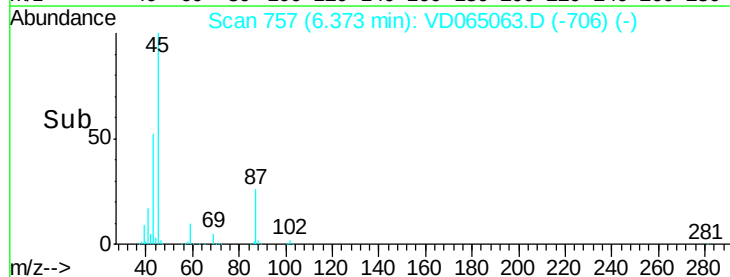
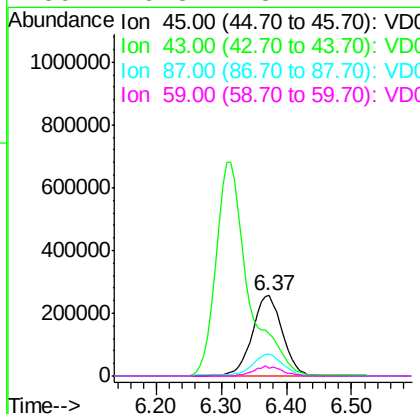
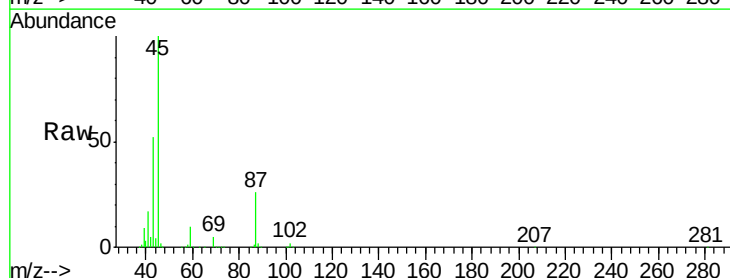
RT: 6.37 min Scan# 757

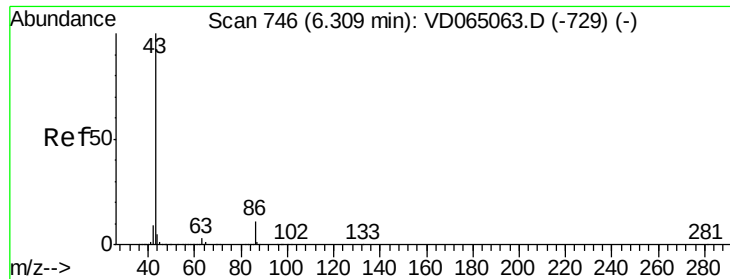
Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion:	45	Resp:	824717
Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.3	61.9
87	26.3	21.0	31.6
59	10.3	8.2	12.4





#23

Vinyl Acetate

Concen: 245.289 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2330221

Ion Ratio Lower Upper

43 100

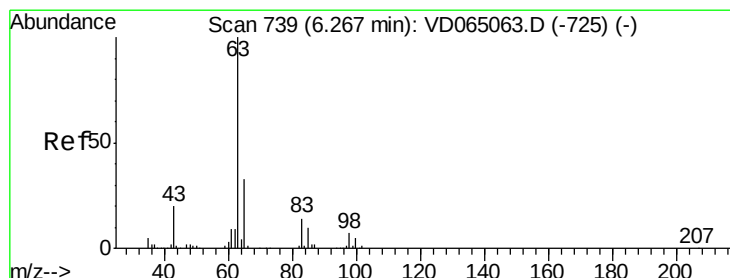
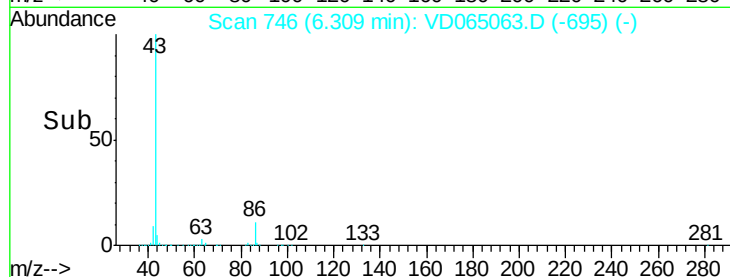
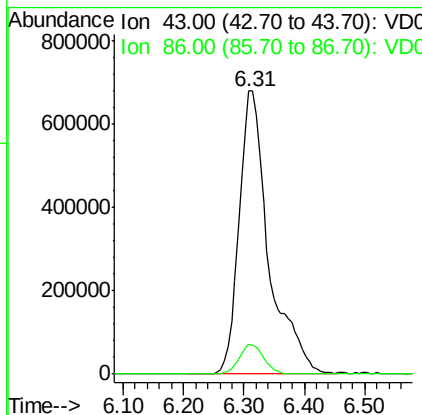
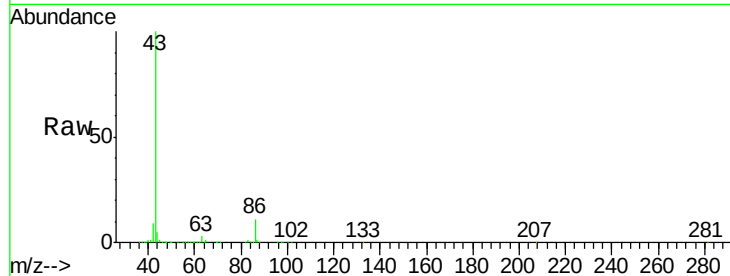
86 10.6 8.5 12.7

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#24

1,1-Dichloroethane

Concen: 48.801 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

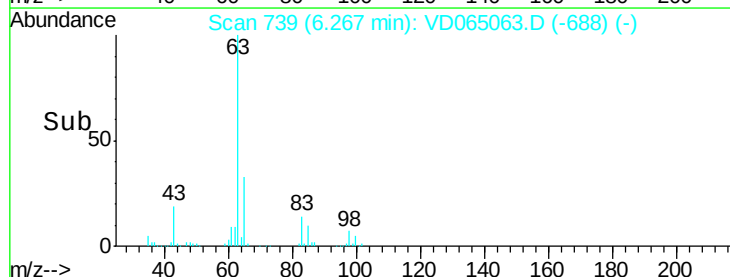
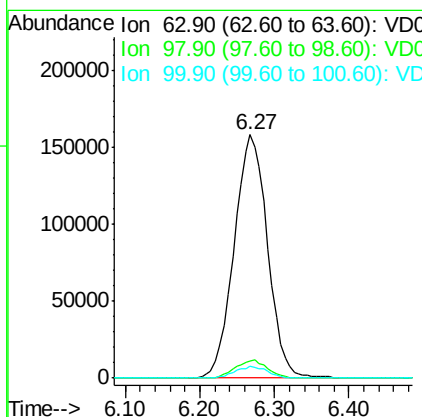
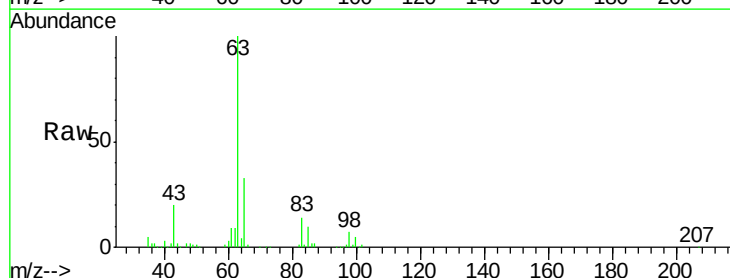
Tgt Ion: 63 Resp: 490713

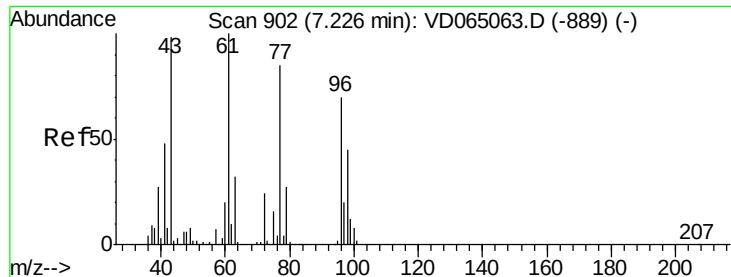
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 5.1 2.5 7.6





#25

2-Butanone

Concen: 237.590 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 358807

Ion Ratio Lower Upper

43 100

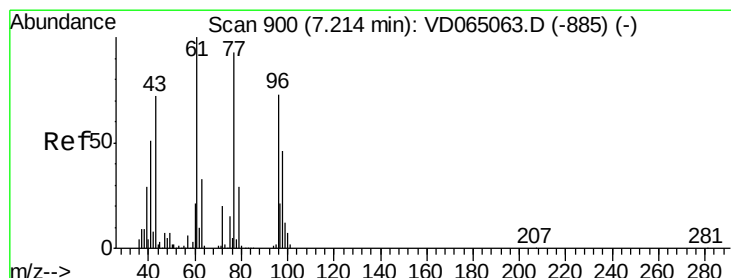
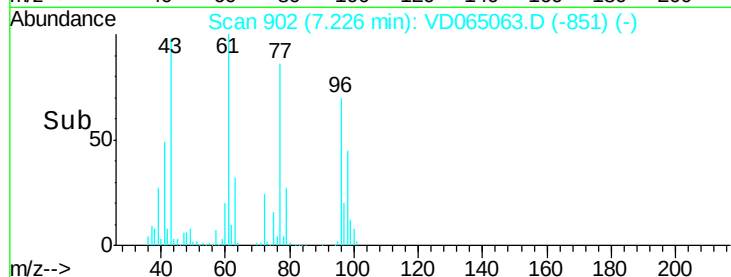
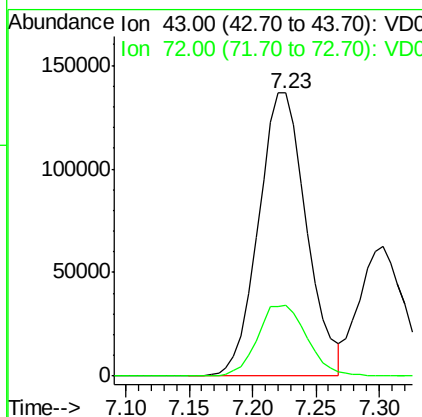
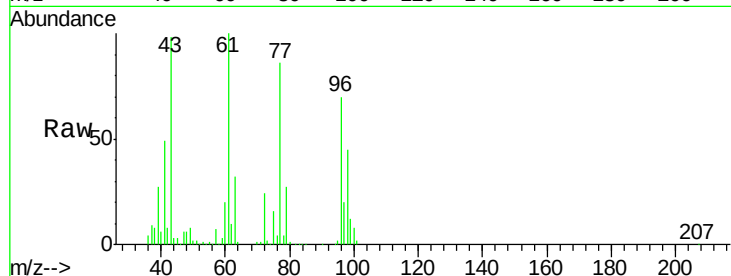
72 24.9 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.988 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065063.D

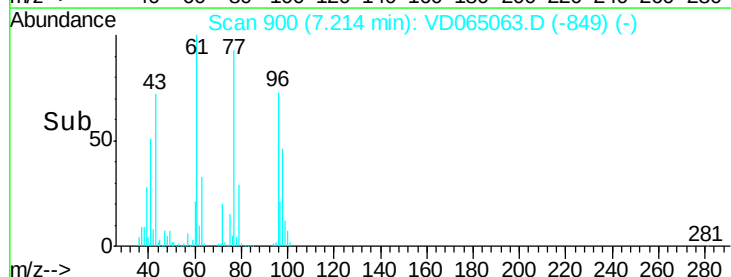
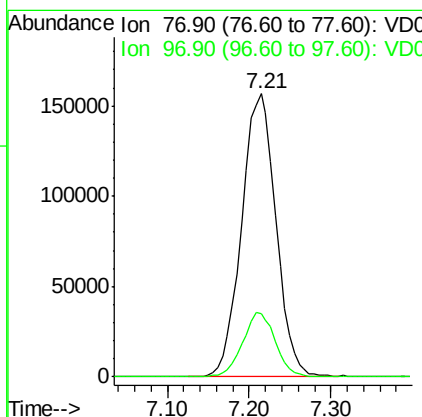
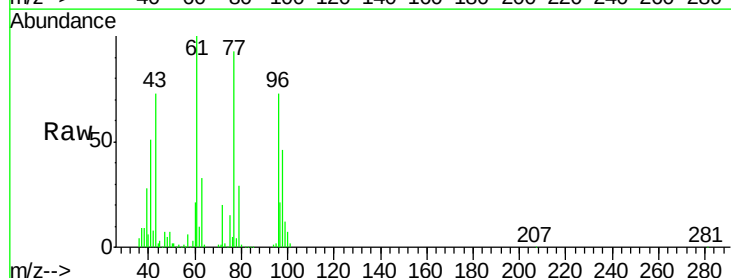
Acq: 05 Feb 2020 14:36

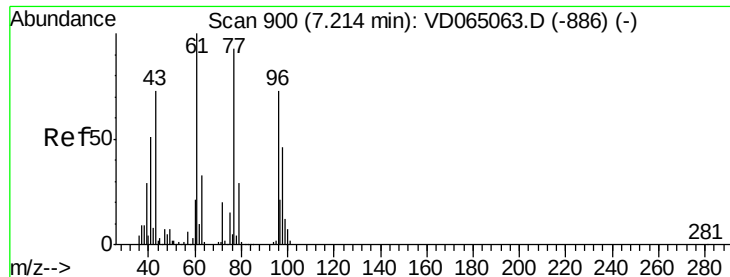
Tgt Ion: 77 Resp: 458681

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

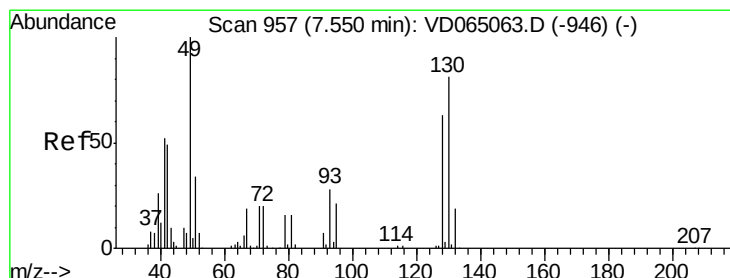
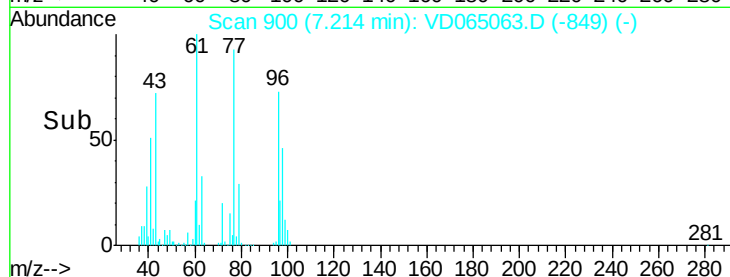
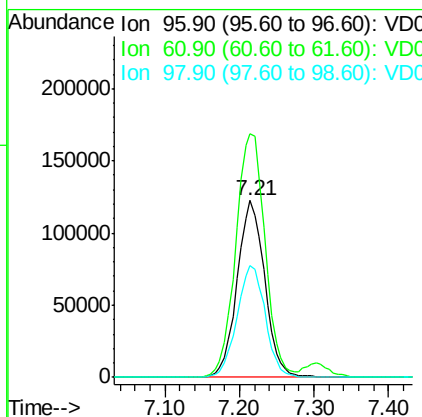
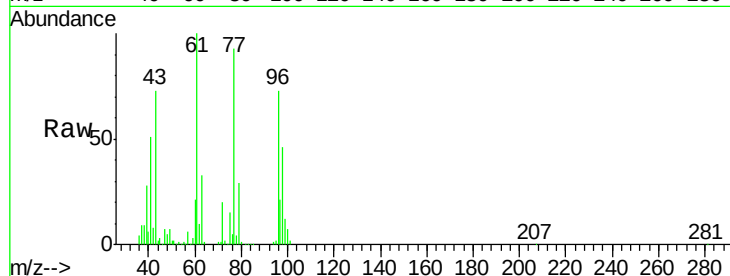
cis-1,2-Dichloroethene
 Concen: 49.571 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	292.8
98	64.4	0.0	128.8

Manual Integrations
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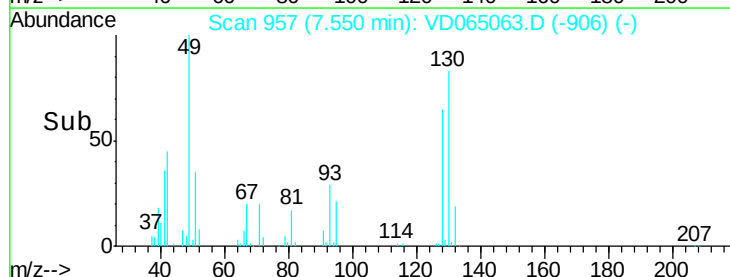
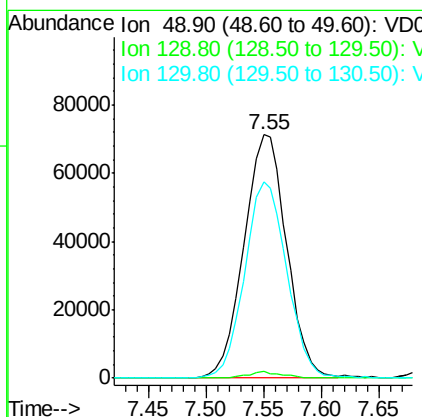
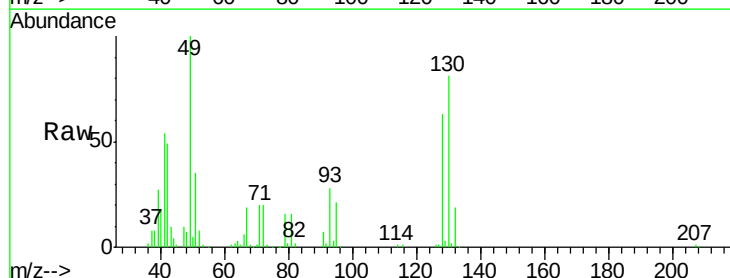
MMDadoda
 2/6/2020 10:37:14 AM

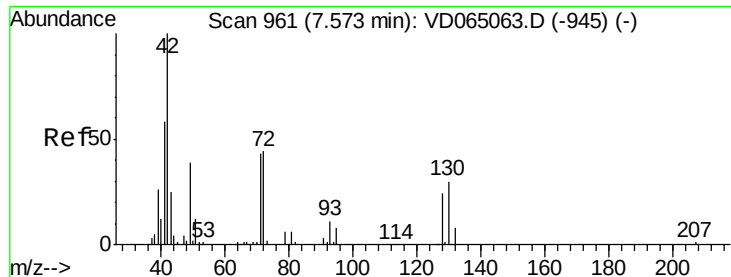


#28

Bromochloromethane
 Concen: 47.140 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	79.8	63.8	95.8





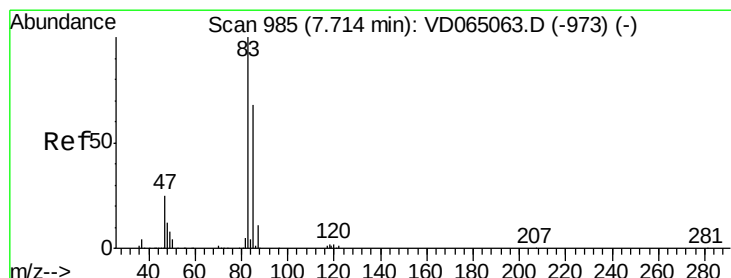
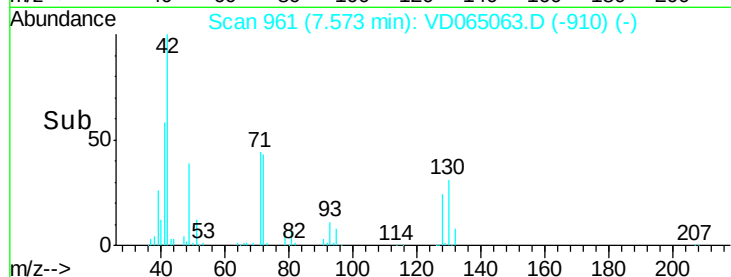
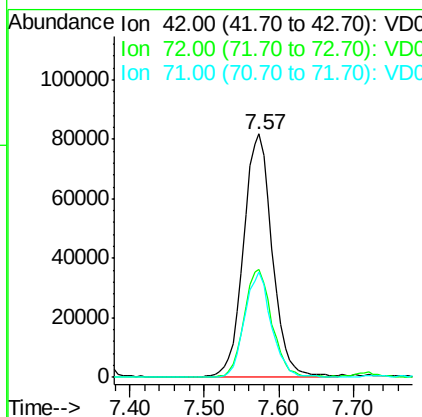
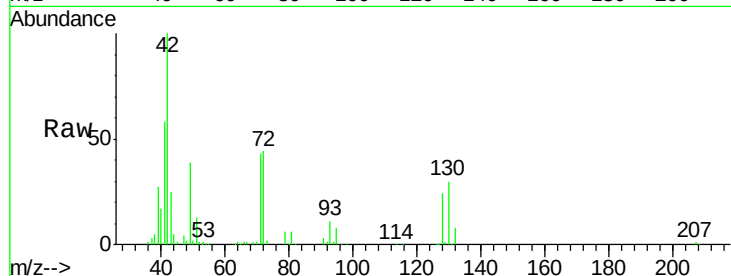
#29
Tetrahydrofuran
Concen: 234.626 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.4
71	39.7	31.8	47.6

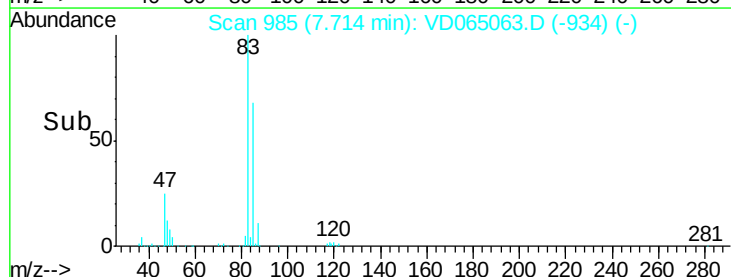
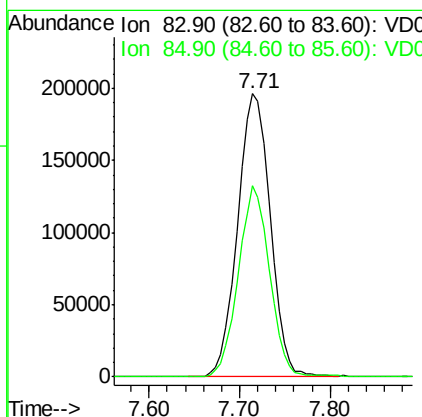
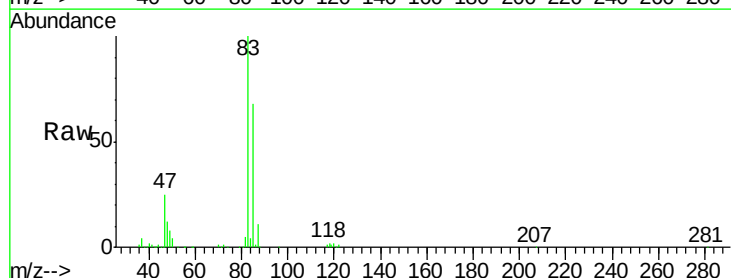
Manual Integrations
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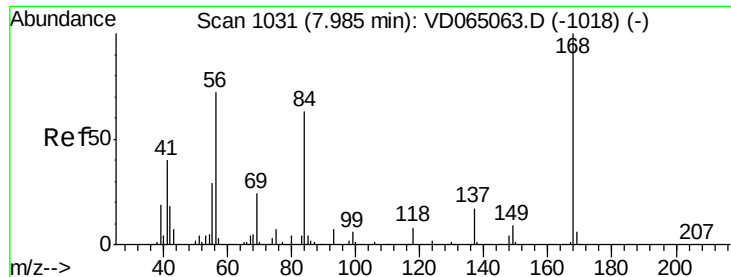
MMDadoda
2/6/2020 10:37:14 AM



#30
Chloroform
Concen: 47.560 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4





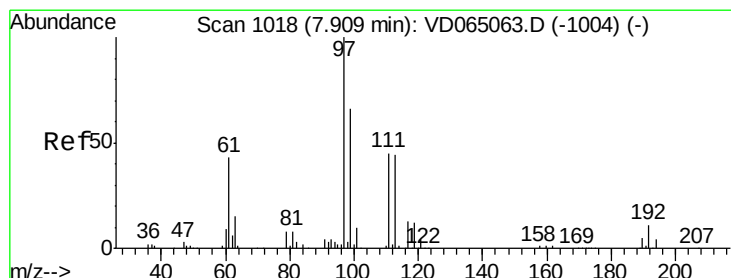
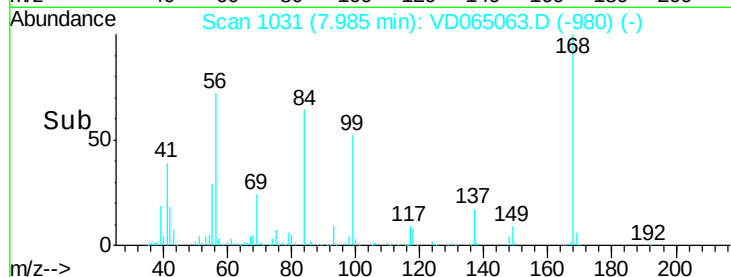
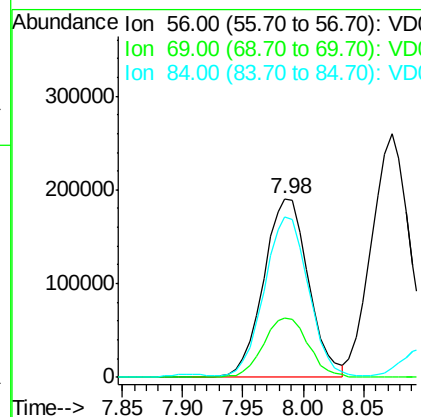
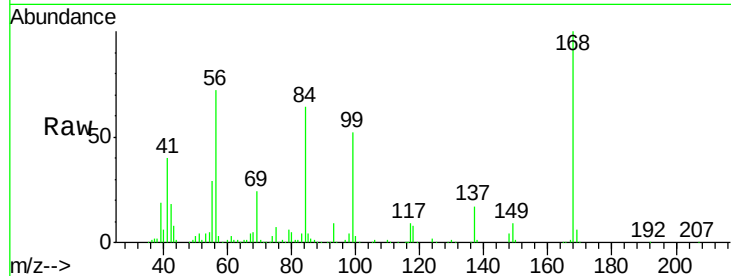
#31
Cyclohexane
Concen: 48.970 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	88.3	70.6	106.0

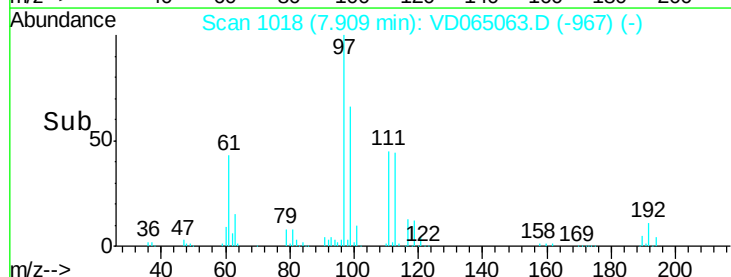
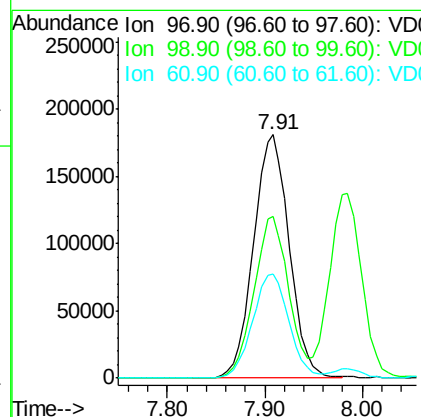
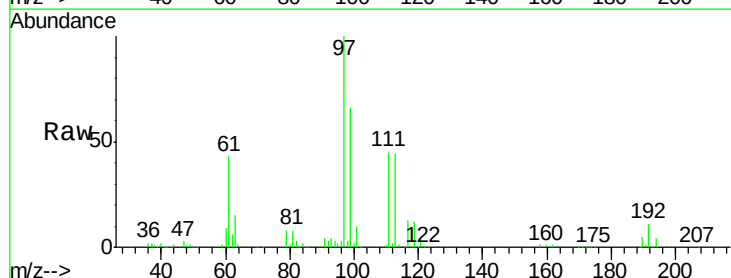
Manual Integrations
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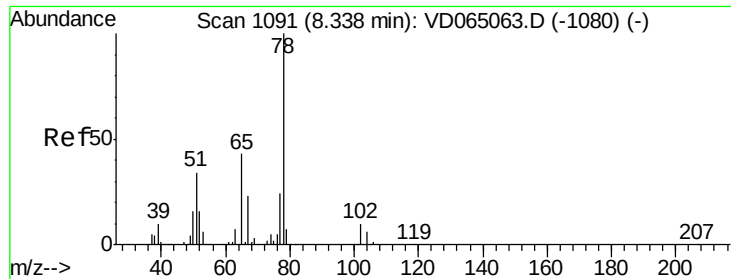
MMDadoda
2/6/2020 10:37:14 AM



#32
1,1,1-Trichloroethane
Concen: 48.129 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	43.5	34.8	52.2





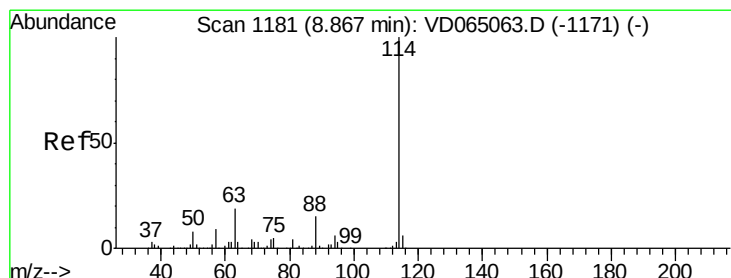
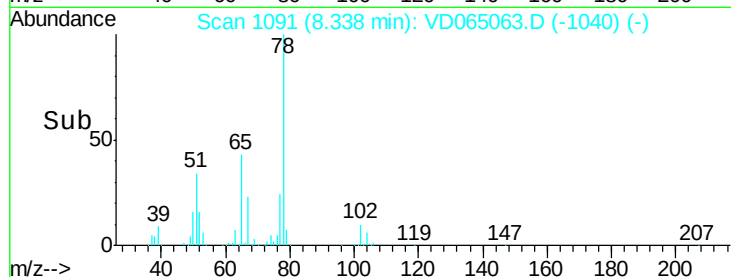
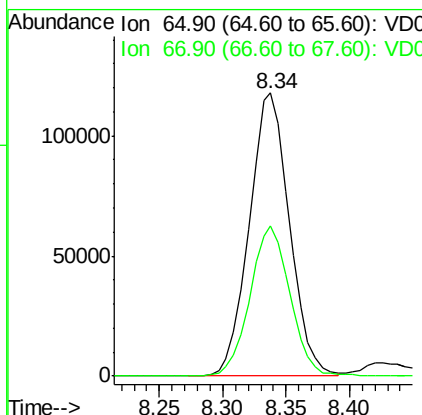
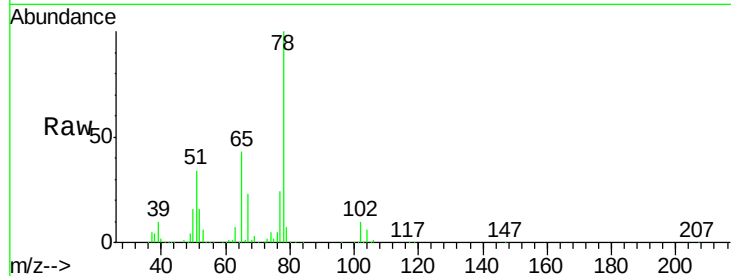
#33
 1,2-Dichloroethane-d4
 Concen: 46.736 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	260153		
67	52.9	0.0	105.8	

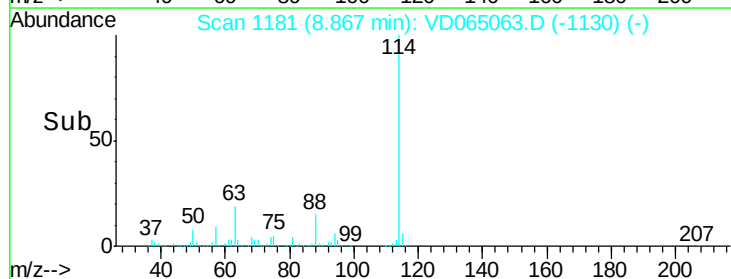
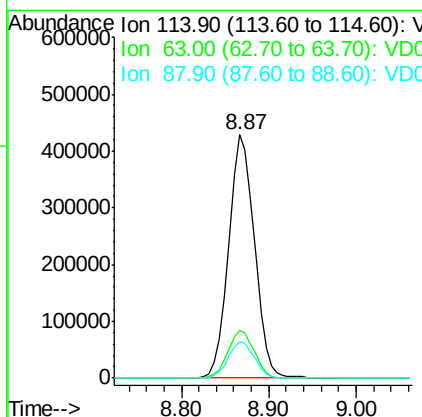
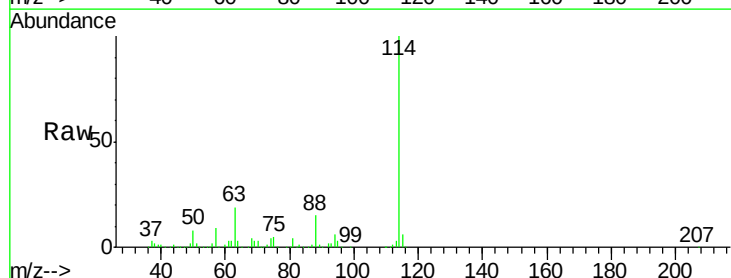
Manual Integrations
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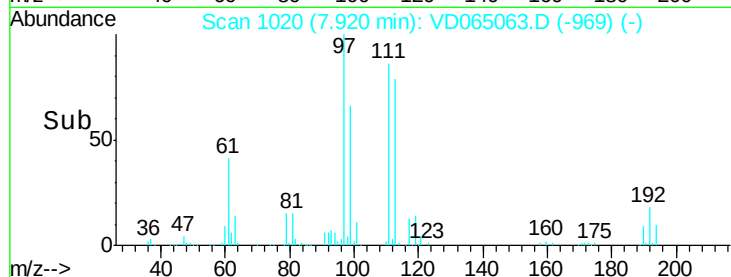
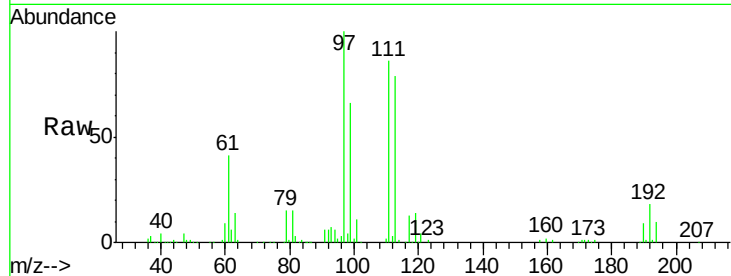
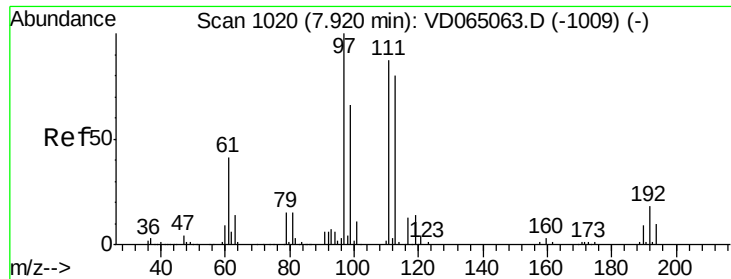
MMDadoda
 2/6/2020 10:37:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	861289		
63	19.4	0.0	38.8	
88	14.8	0.0	29.6	





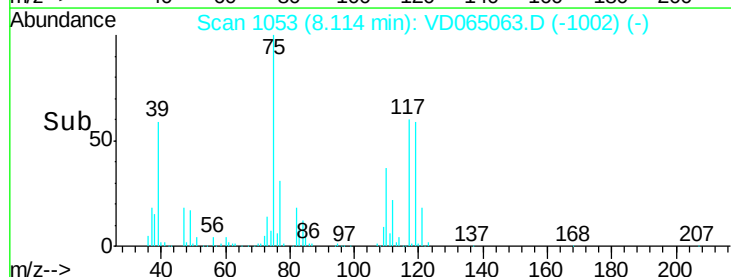
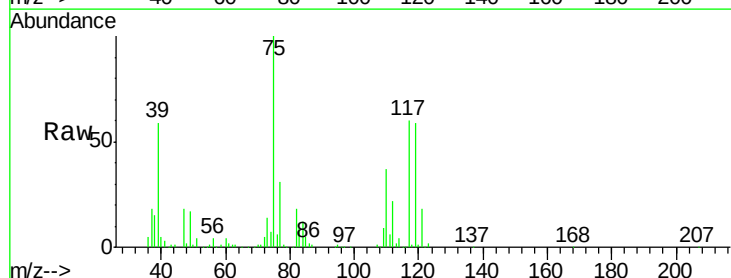
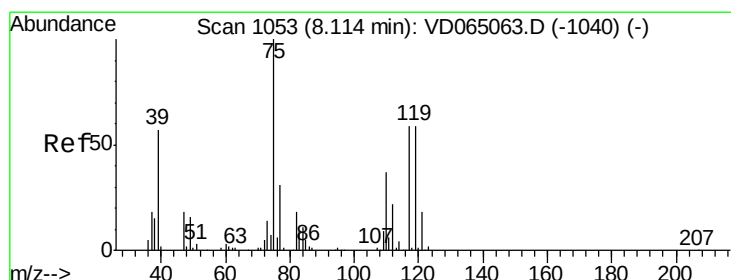
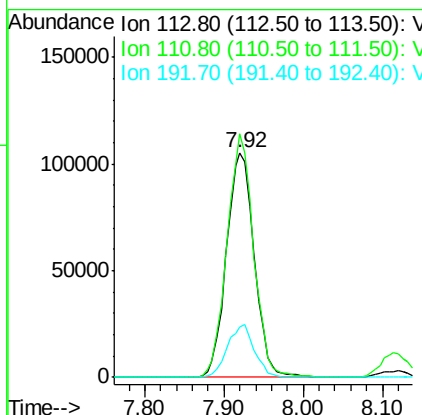
#35
Dibromofluoromethane
Concen: 48.197 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tot Ion	Ratio	Resp	Lower	Upper
113	100	256132		
111	103.9	83.1	124.7	
192	22.6	18.1	27.1	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

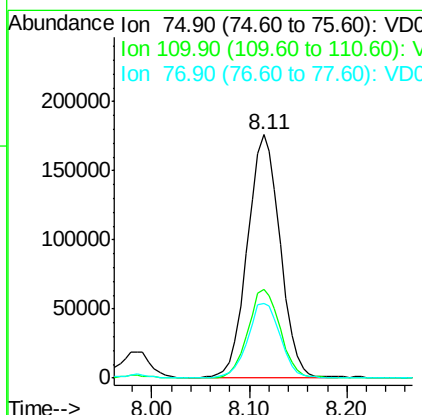
Manual Integrations
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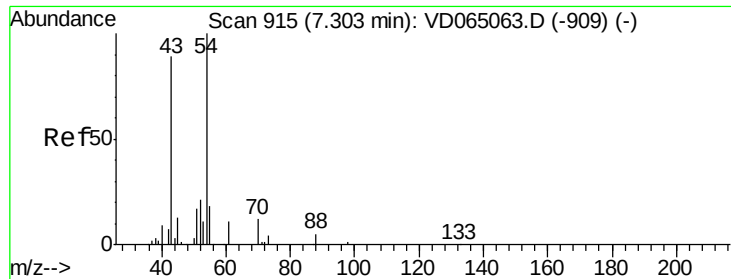
MMDadoda
2/6/2020 10:37:14 AM



#36
1,1-Dichloropropene
Concen: 49.792 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	412859		
110	36.2	18.1	54.3	
77	30.9	24.7	37.1	





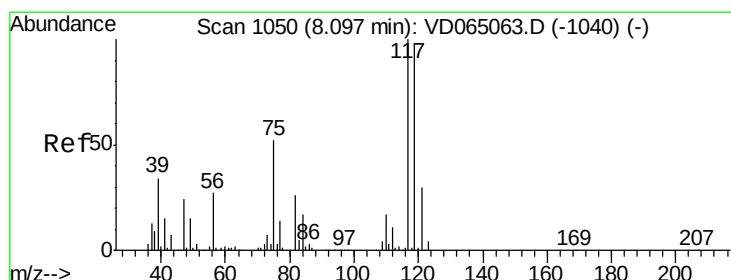
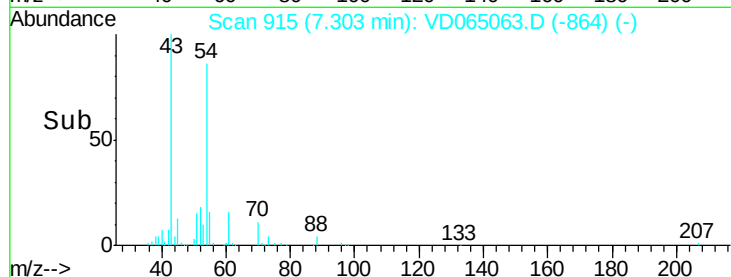
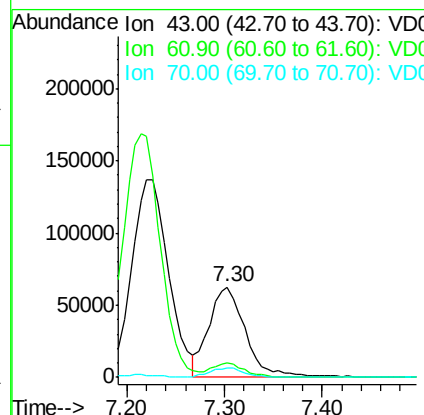
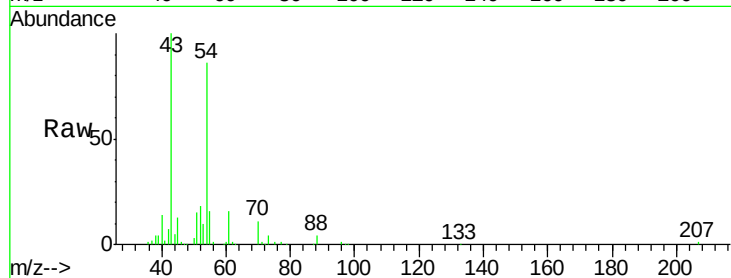
#37
Ethyl Acetate
Concen: 46.439 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2

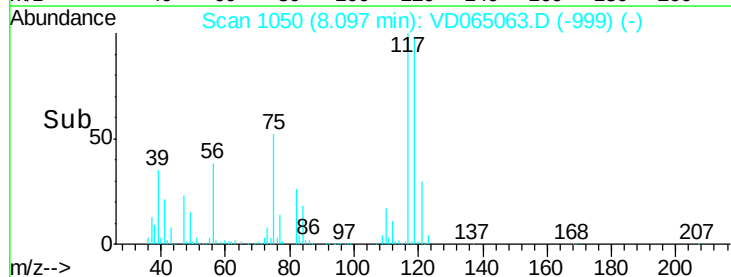
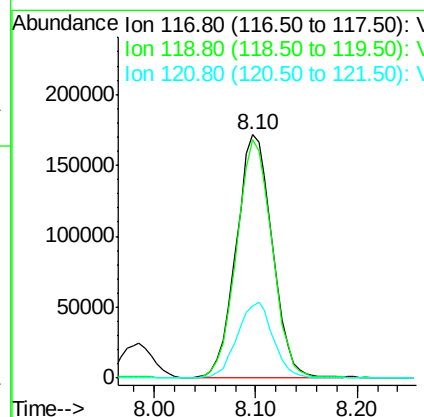
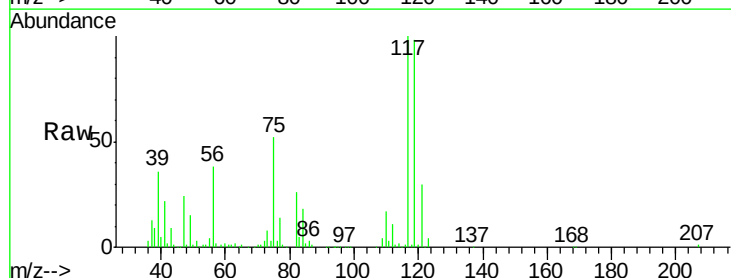
Manual Integrations
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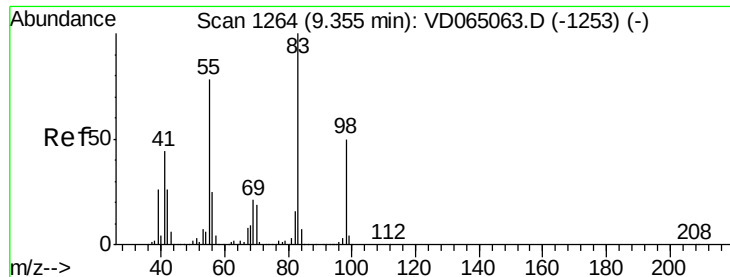
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#38
Carbon Tetrachloride
Concen: 48.396 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.5	117.7
121	29.7	23.8	35.6





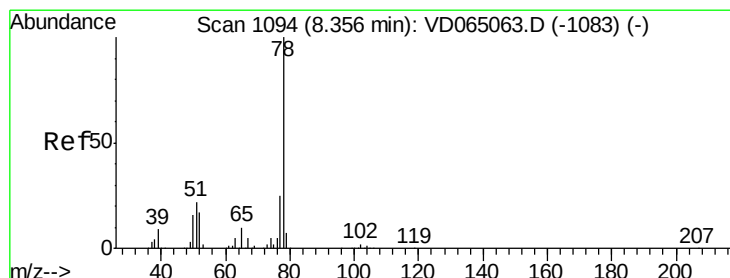
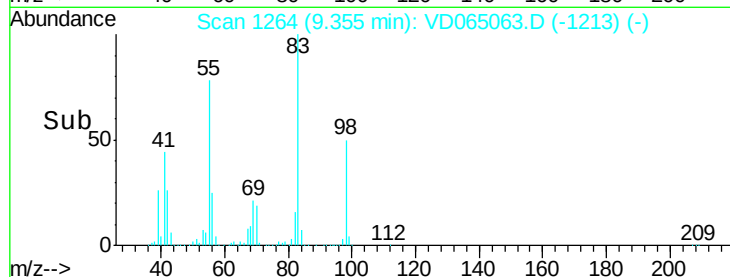
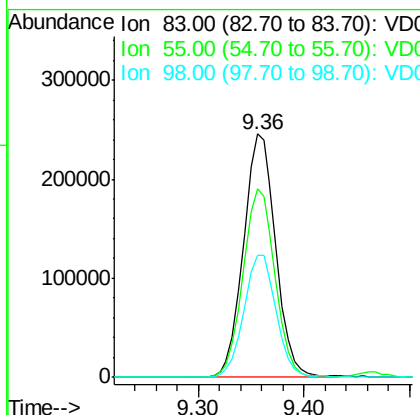
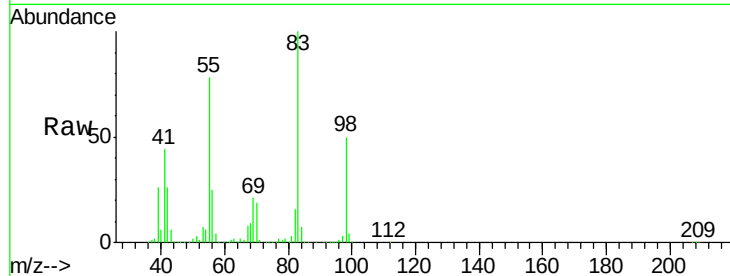
#39
Methylvlcyclohexane
Concen: 53.186 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.0	93.0
98	49.9	39.9	59.9

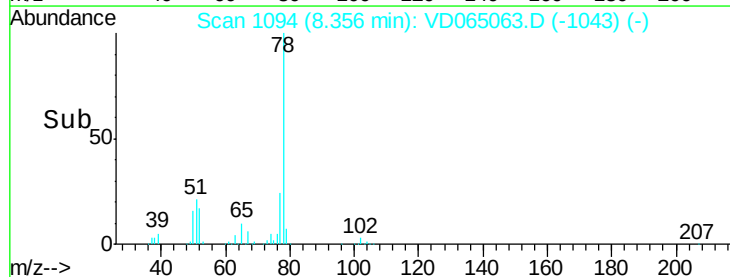
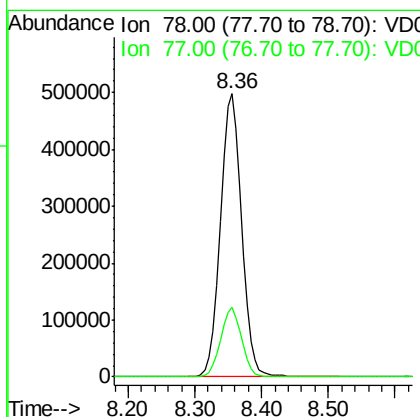
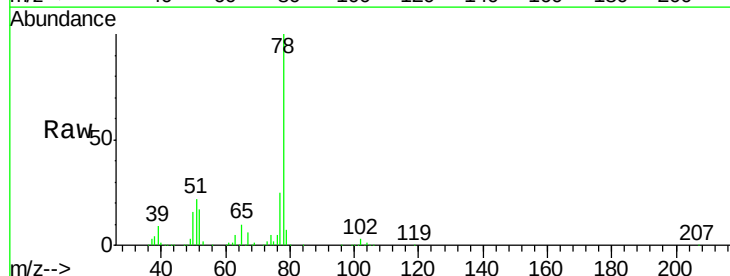
Manual Integrations
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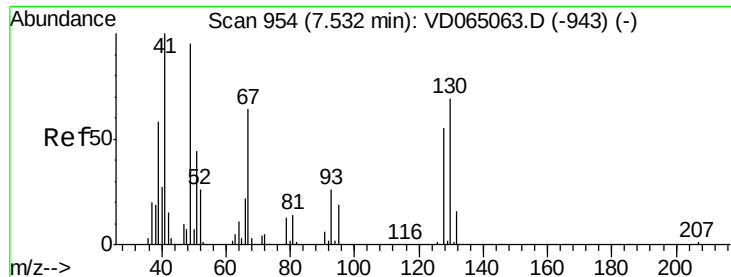
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#40
Benzene
Concen: 49.239 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





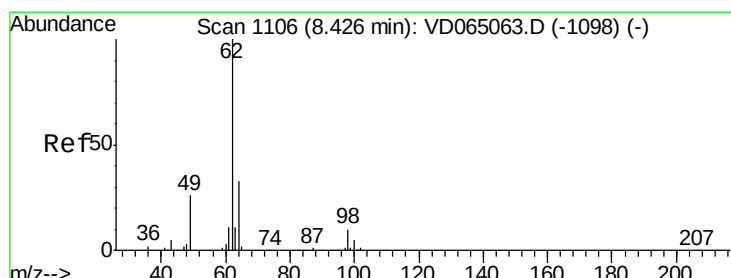
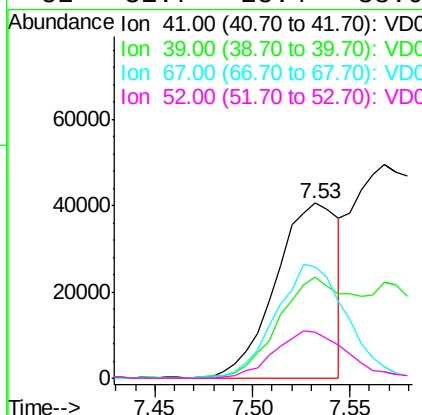
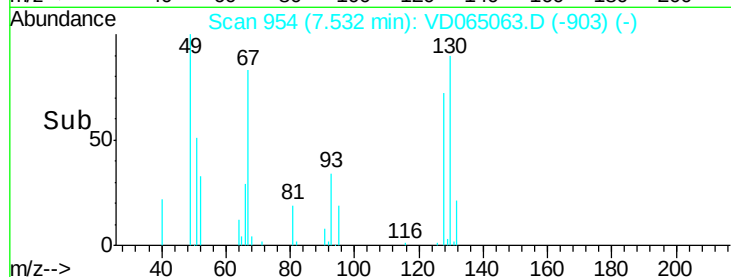
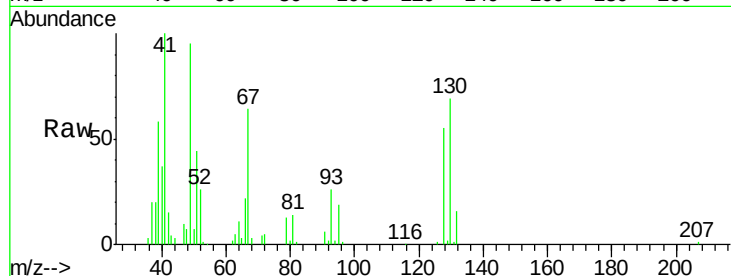
#41
Methacrylonitrile
Concen: 50.430 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.2	55.4	83.0
67	73.8	59.0	88.6
52	31.7	25.4	38.0

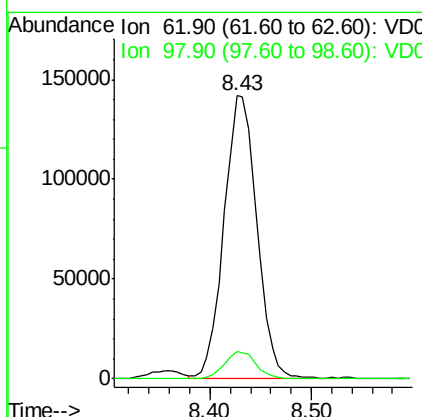
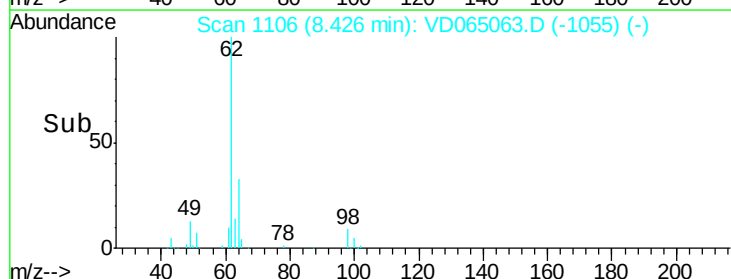
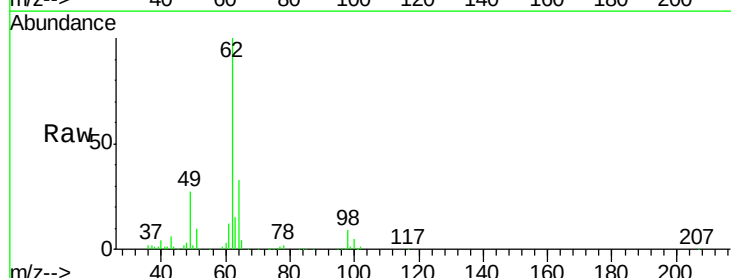
Manual Integrations
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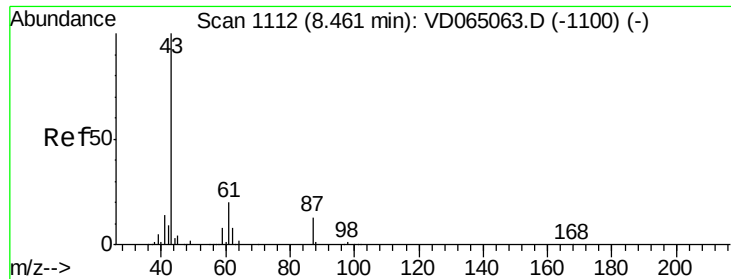
MMDadoda
2/6/2020 10:37:14 AM



#42
1,2-Dichloroethane
Concen: 47.248 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 48.223 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

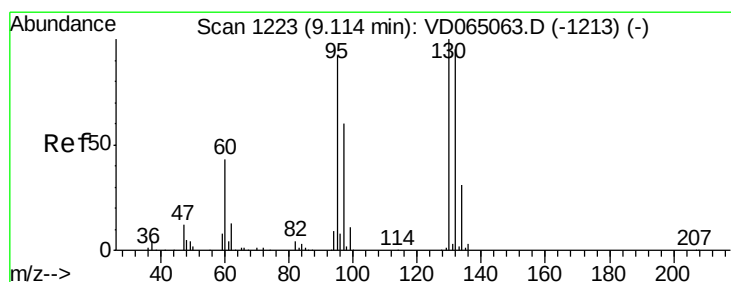
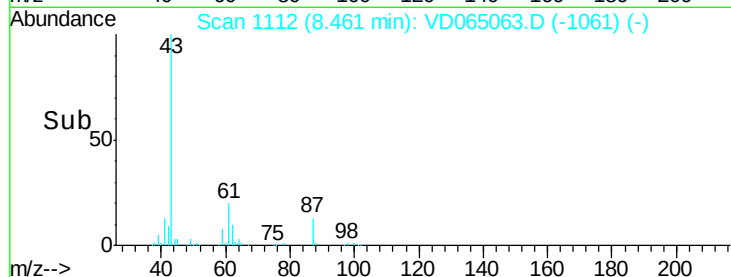
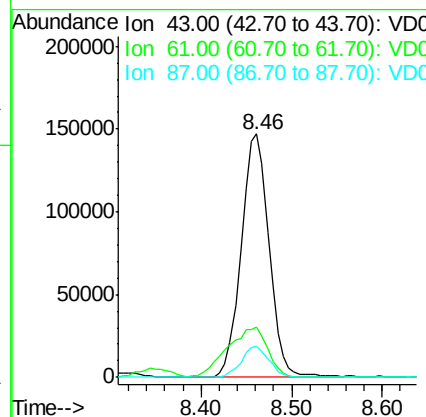
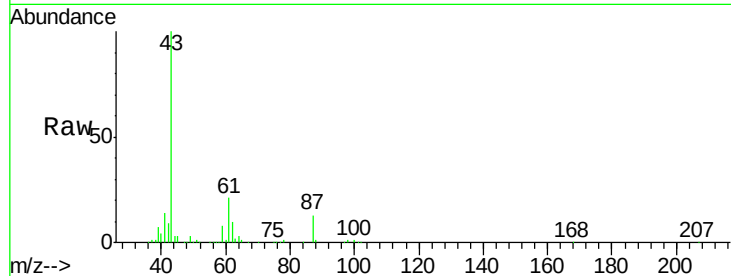
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	312464
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: 50.108 ug/l

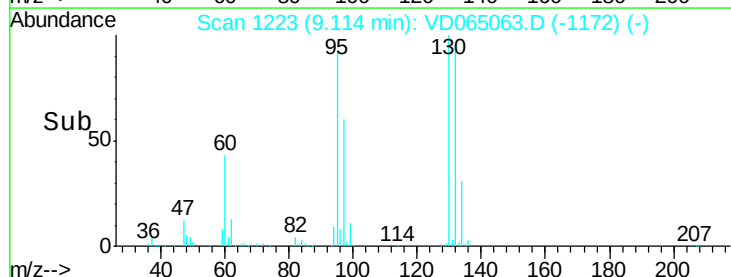
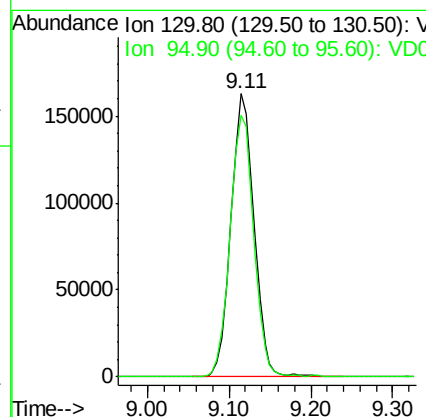
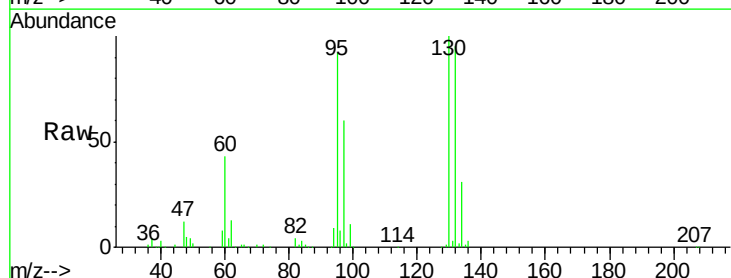
RT: 9.11 min Scan# 1223

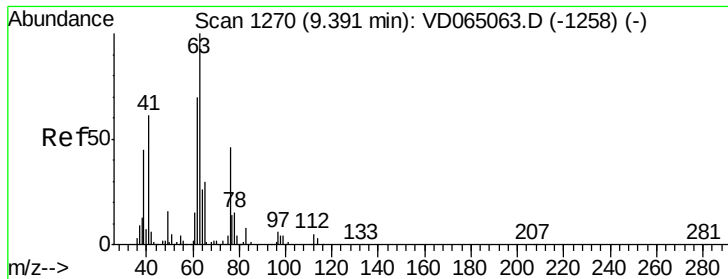
Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion:	130	Resp:	322028
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	185.0





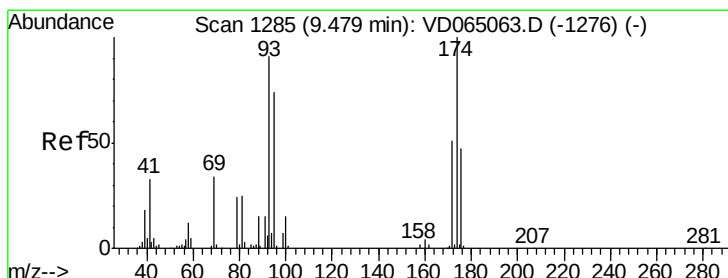
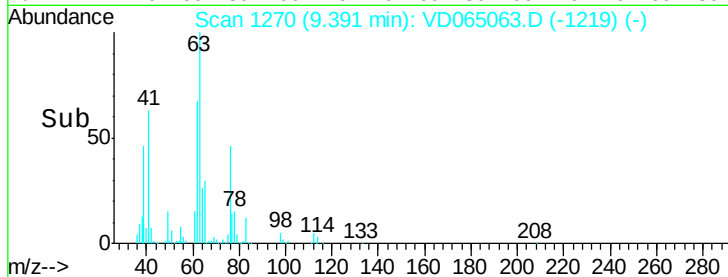
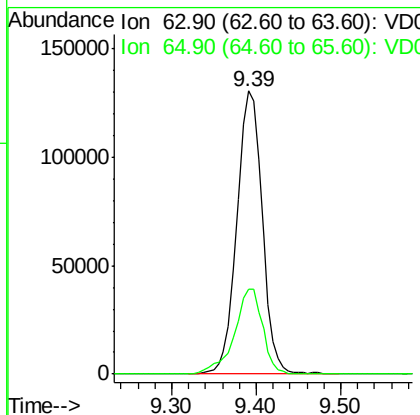
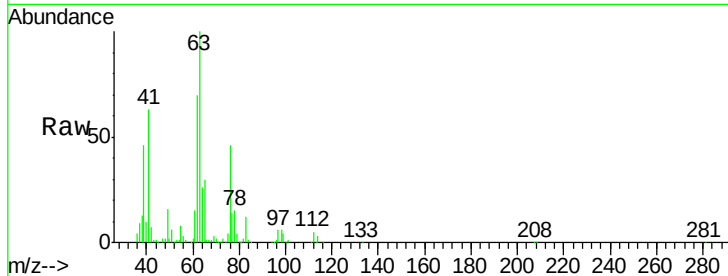
#45
 1,2-Dichloropropane
 Concen: 48.883 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.9	35.9

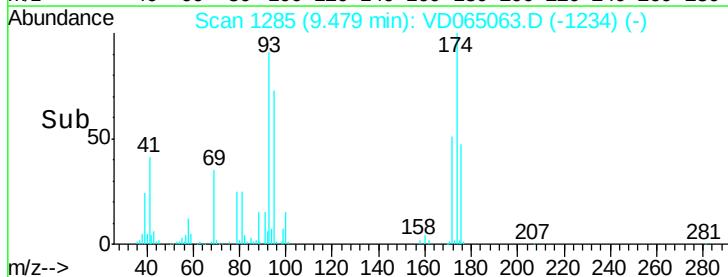
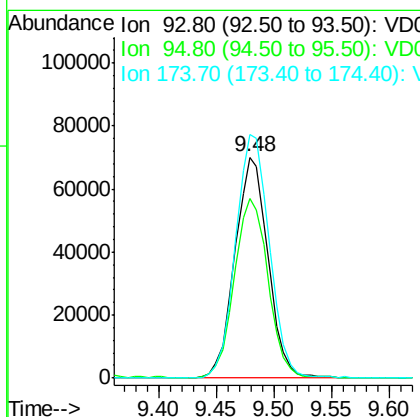
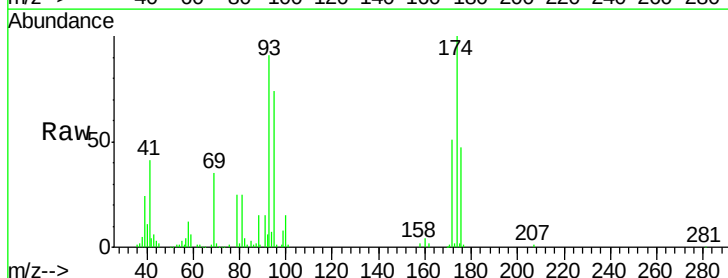
Manual Integrations
 APPROVED

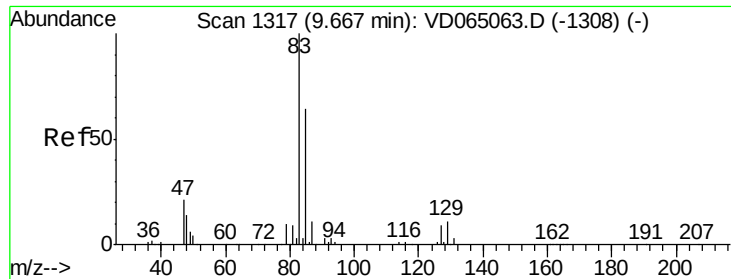
MMDadoda
 2/6/2020 10:37:14 AM



#46
 Dibromomethane
 Concen: 46.534 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	112.3	89.8	134.8





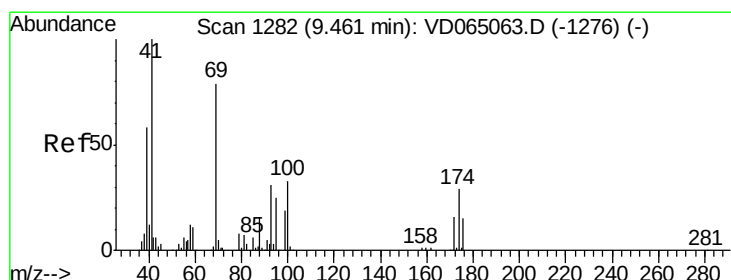
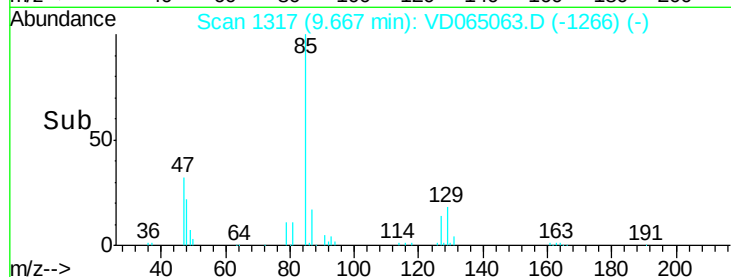
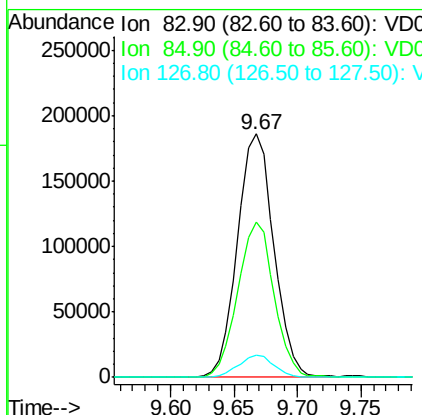
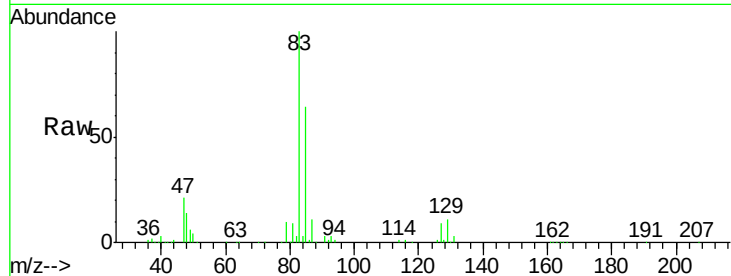
#47
Bromodichloromethane
Concen: 47.602 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	9.1	7.3	10.9

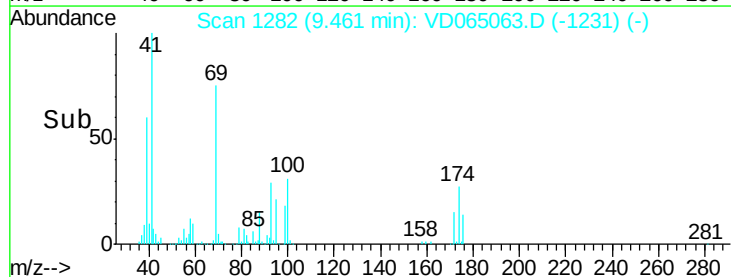
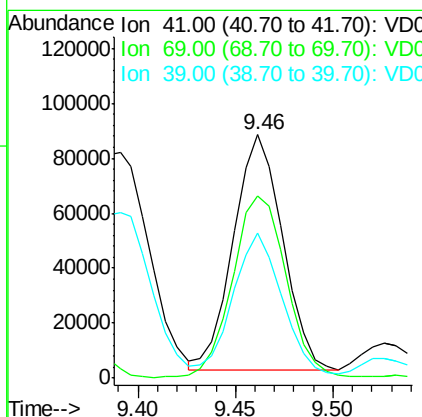
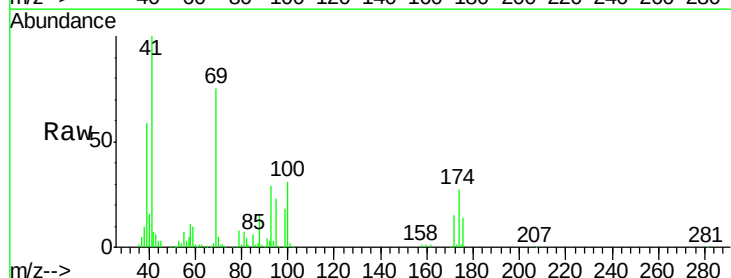
Manual Integrations
APPROVED

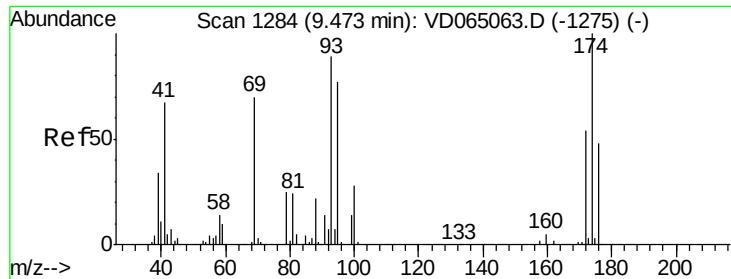
MMDadoda
2/6/2020 10:37:14 AM



#48
Methyl methacrylate
Concen: 49.939 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.5	101.3
39	58.7	47.0	70.4





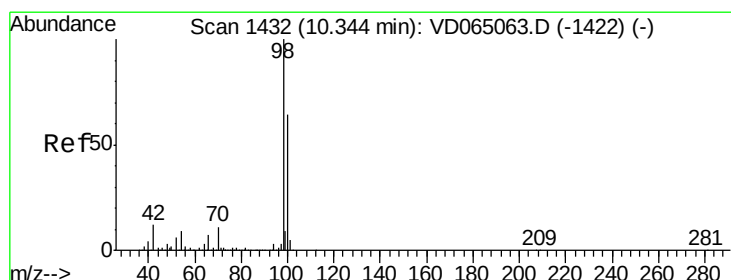
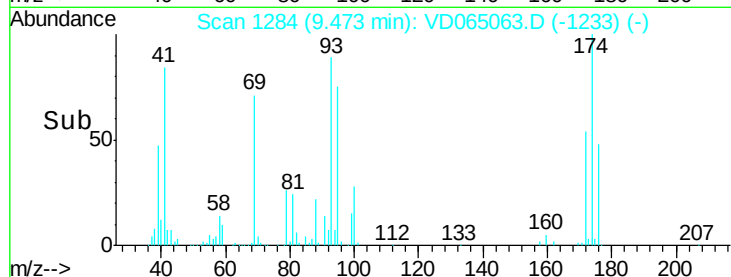
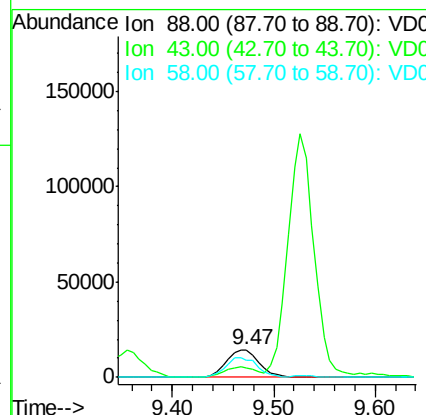
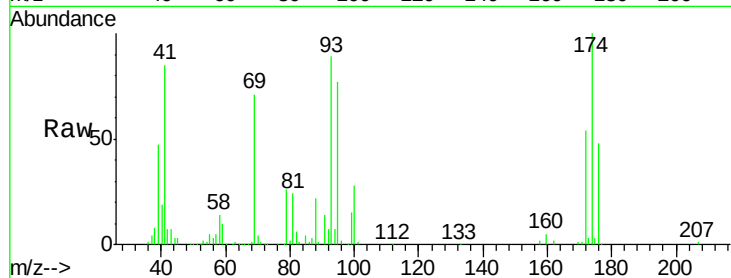
#49
1,4-Dioxane
Concen: 945.051 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	32617
Ion	Ratio	Lower	Upper
88	100		
43	34.6	27.7	41.5
58	69.4	55.5	83.3

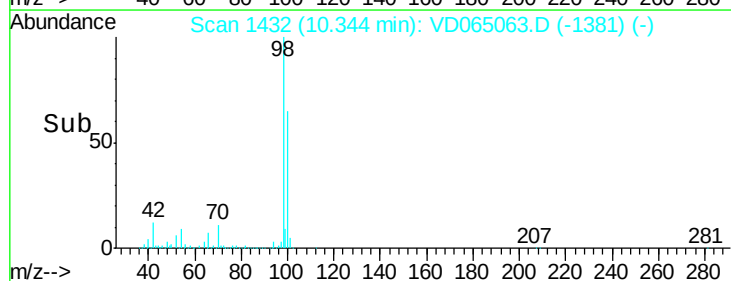
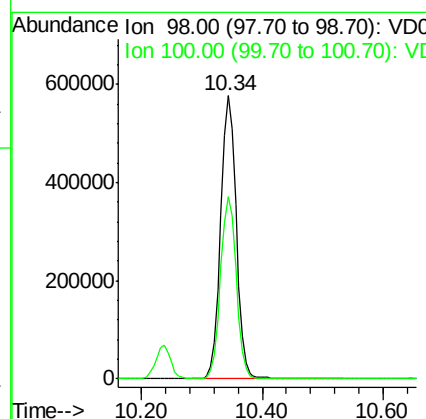
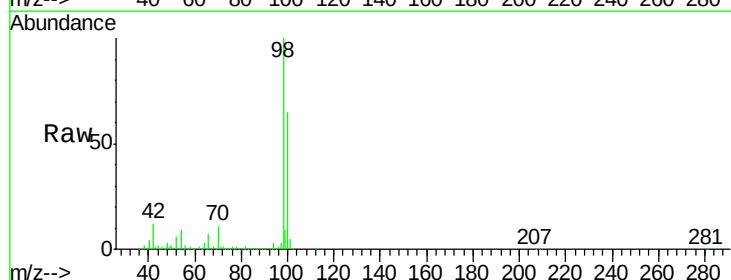
Manual Integrations
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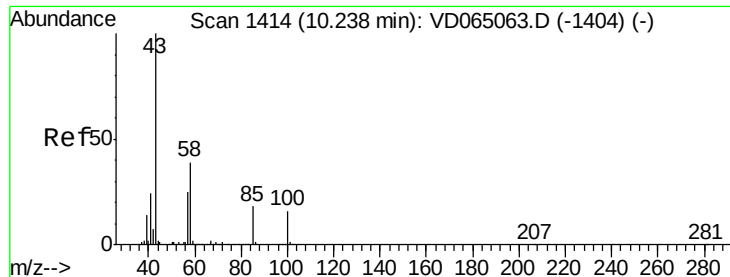
MMDadoda
2/6/2020 10:37:14 AM



#50
Toluene-d8
Concen: 49.996 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	98	Resp	1028533
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 239.258 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 770902

Ion Ratio Lower Upper

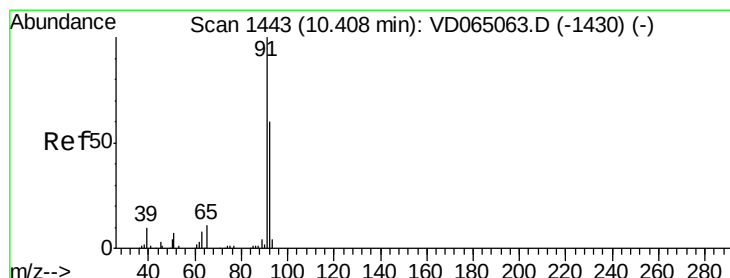
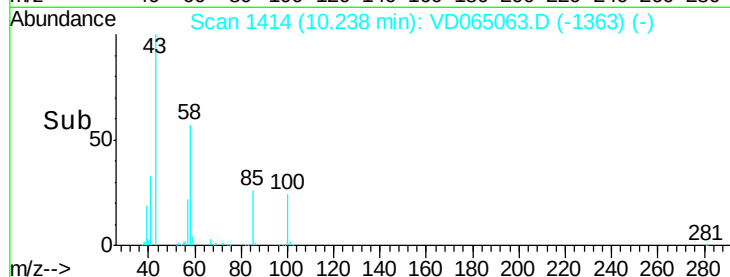
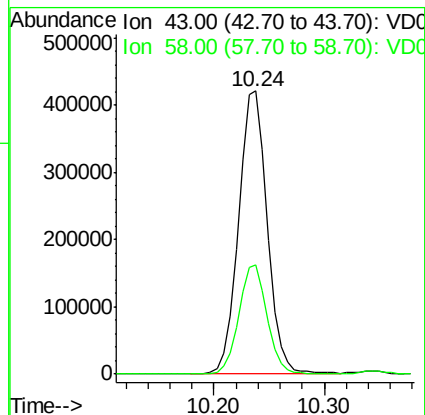
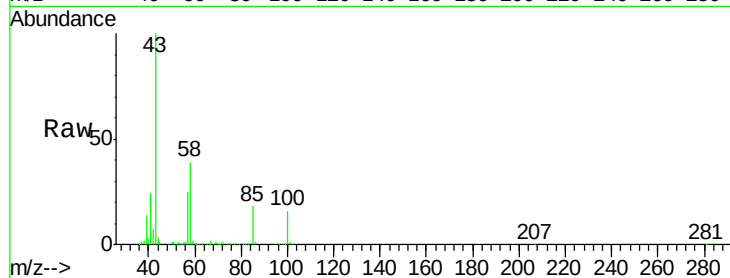
43 100

58 37.7 30.2 45.2

Manual Integrations
APPROVED

MMDadoda

2/6/2020 10:37:14 AM



#52

Toluene

Concen: 49.586 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065063.D

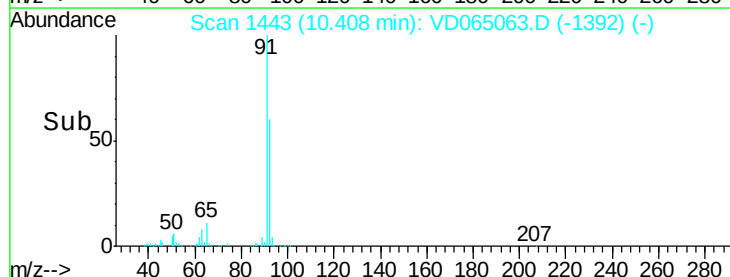
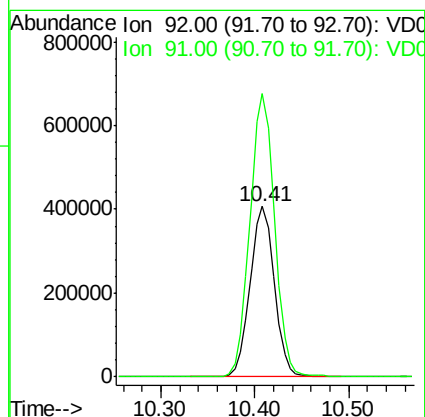
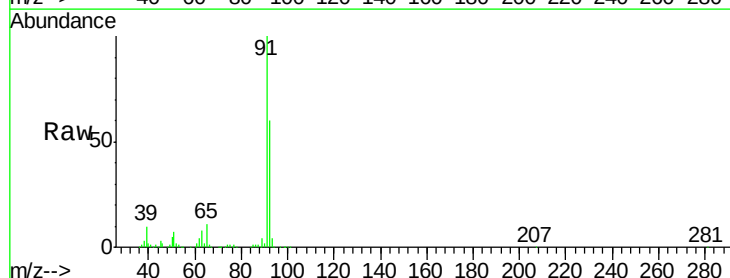
Acq: 05 Feb 2020 14:36

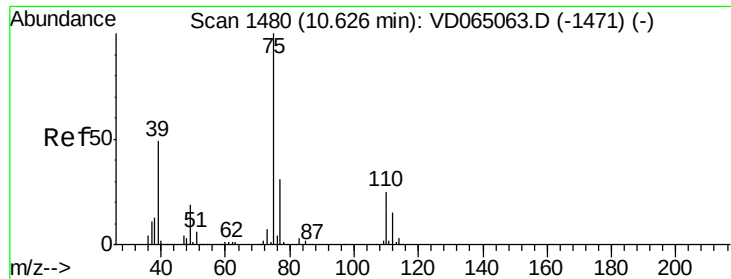
Tgt Ion: 92 Resp: 730127

Ion Ratio Lower Upper

92 100

91 169.1 135.3 202.9





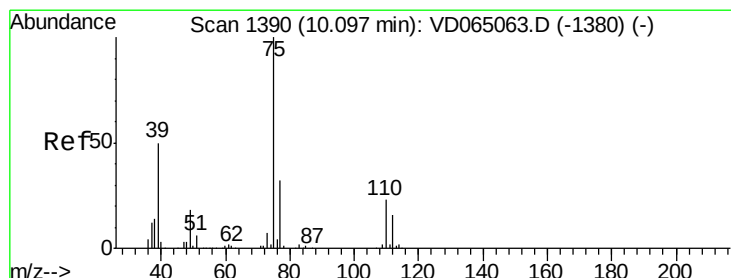
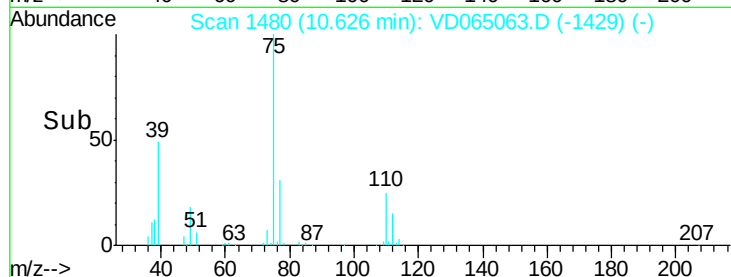
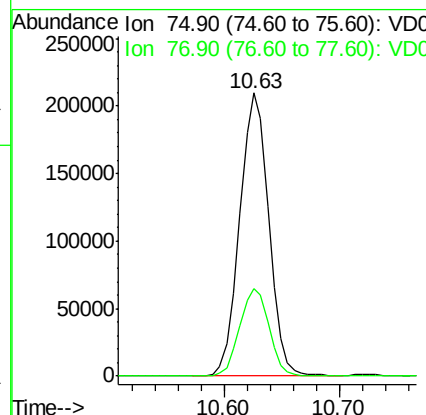
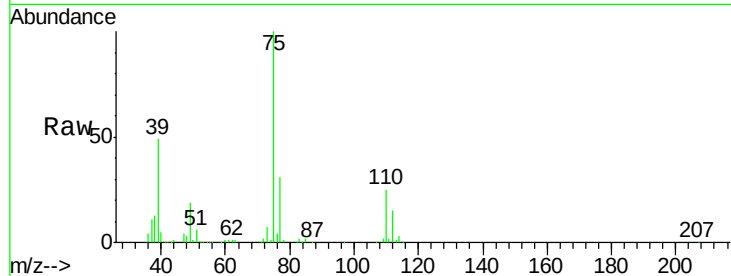
#53
t-1,3-Dichloropropene
Concen: 49.049 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 365453
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

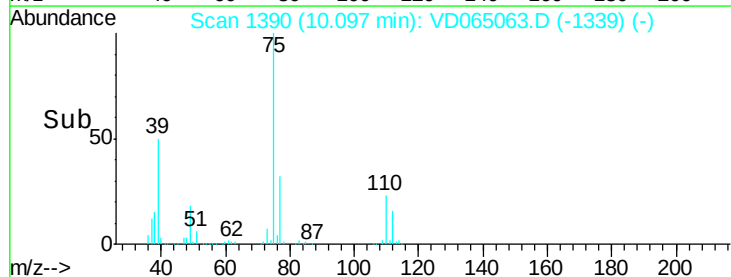
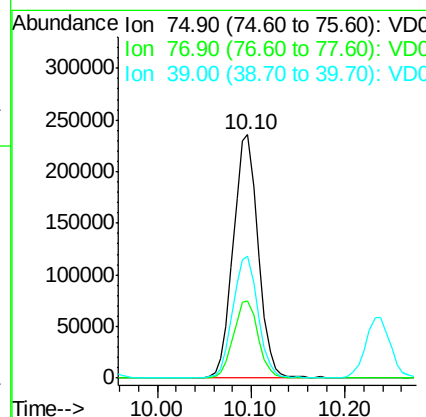
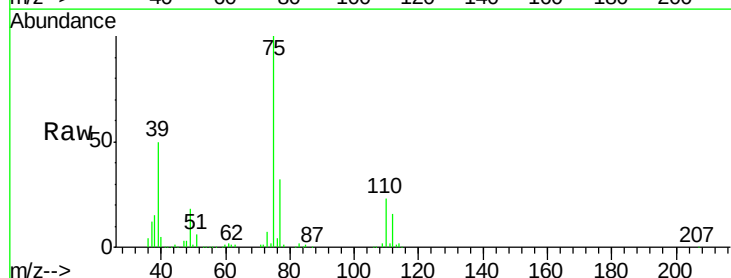
Manual Integrations
APPROVED

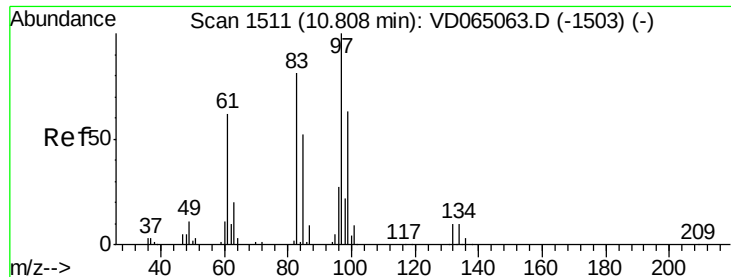
MMDadoda
2/6/2020 10:37:14 AM



#54
cis-1,3-Dichloropropene
Concen: 49.711 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 75 Resp: 435444
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 50.4 40.3 60.5





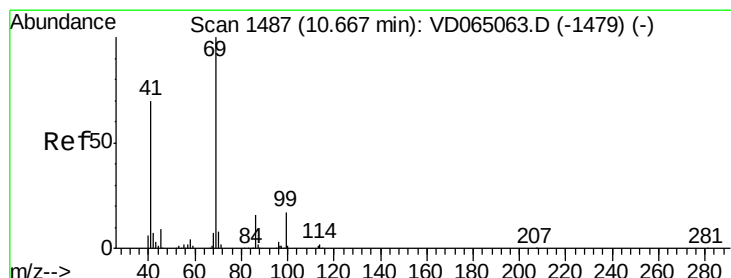
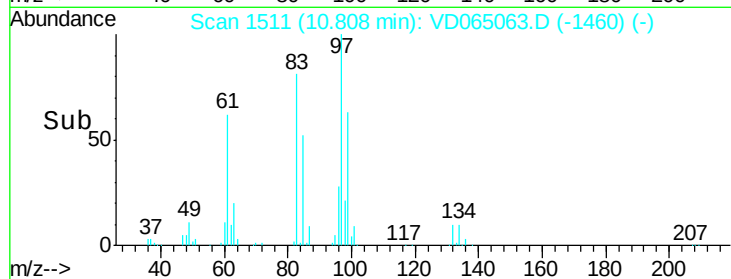
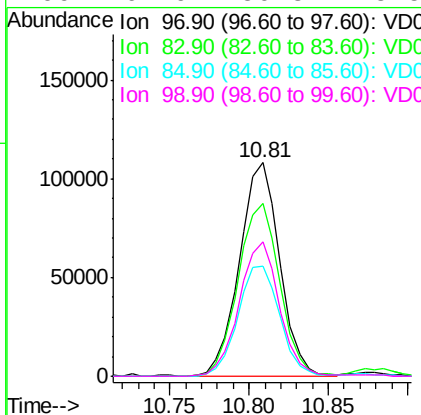
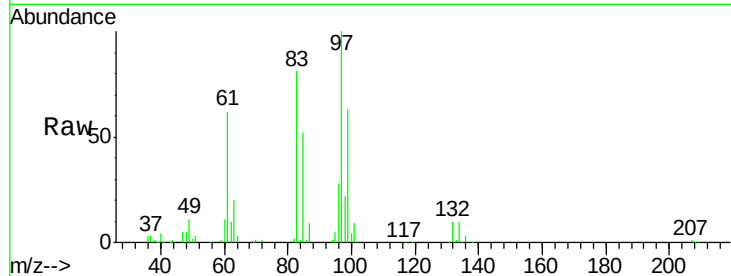
#55
 1,1,2-Trichloroethane
 Concen: 47.227 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	190863
Ion	Ratio	Lower	Upper
97	100		
83	81.0	64.8	97.2
85	51.5	41.2	61.8
99	62.9	50.3	75.5

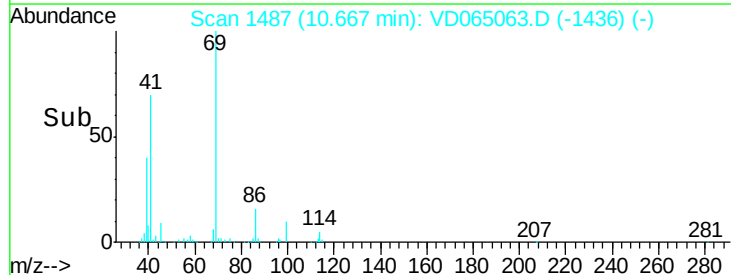
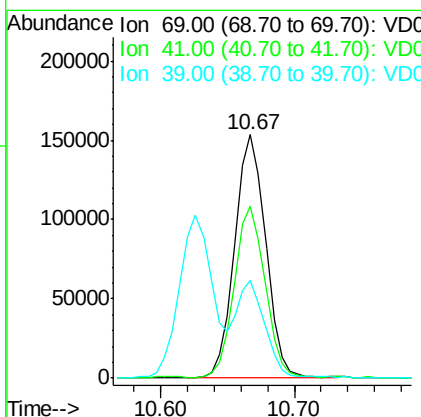
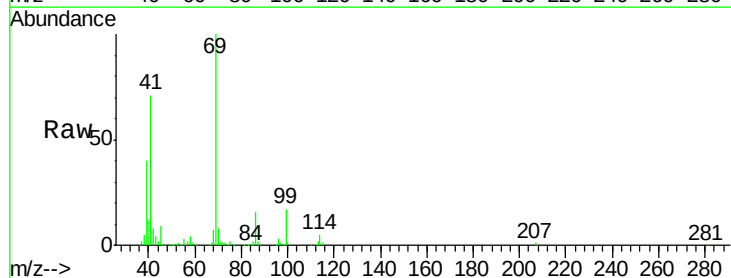
Manual Integrations
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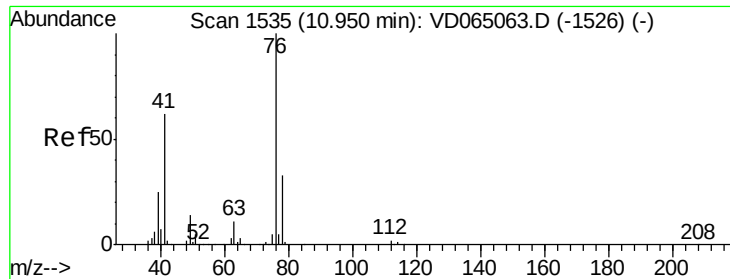
MMDadoda
 2/6/2020 10:37:14 AM



#56
 Ethyl methacrylate
 Concen: 51.208 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion:	69	Resp:	248342
Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.9	83.9
39	36.7	29.4	44.0





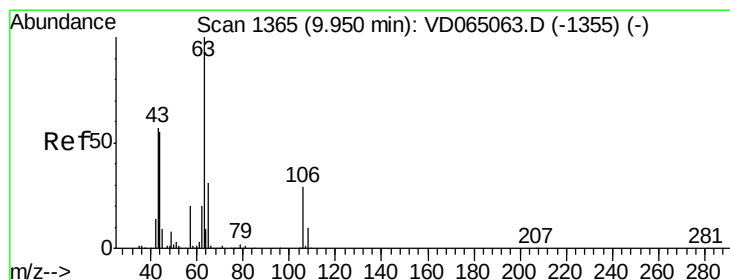
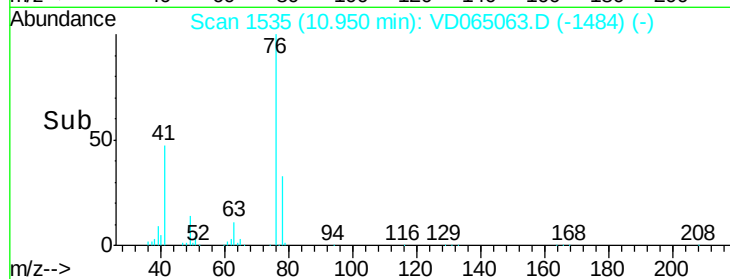
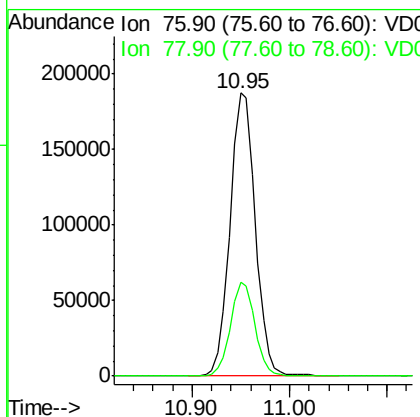
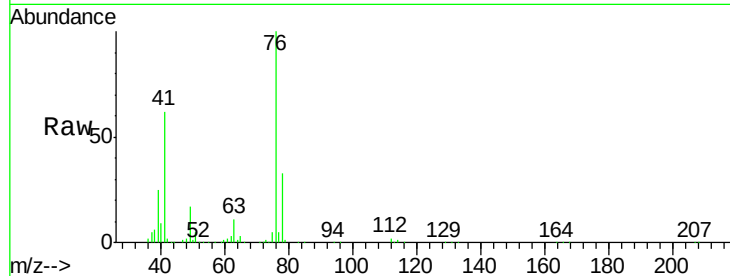
#57
 1,3-Dichloropropane
 Concen: 48.515 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 336933
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

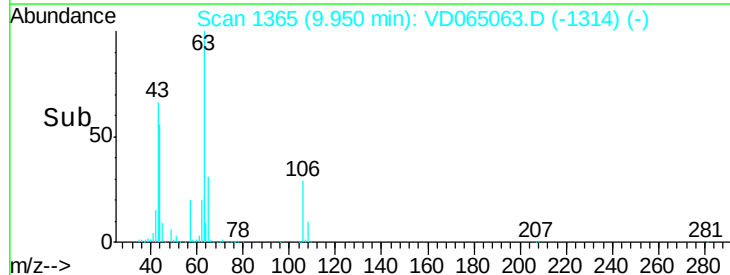
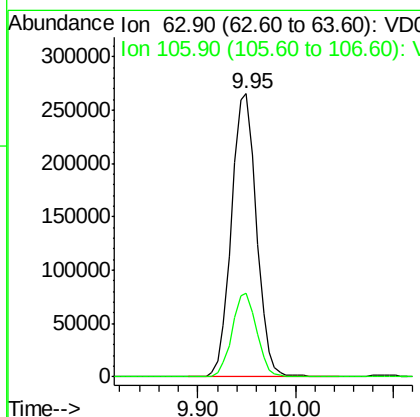
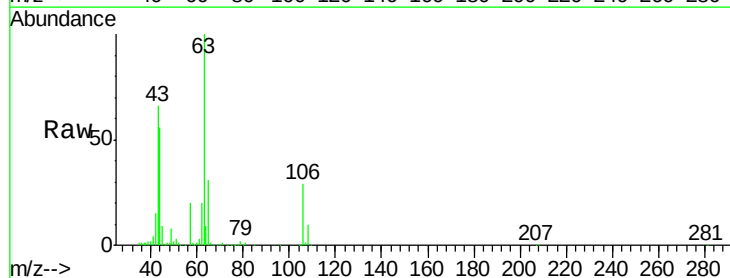
Manual Integrations
 APPROVED

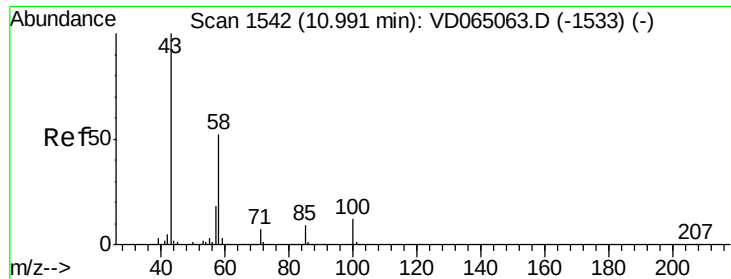
MMDadoda
 2/6/2020 10:37:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.652 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion: 63 Resp: 474072
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9





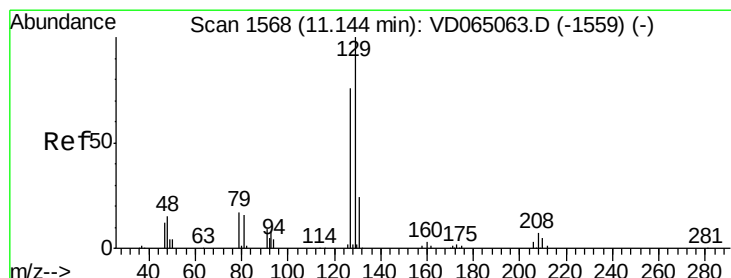
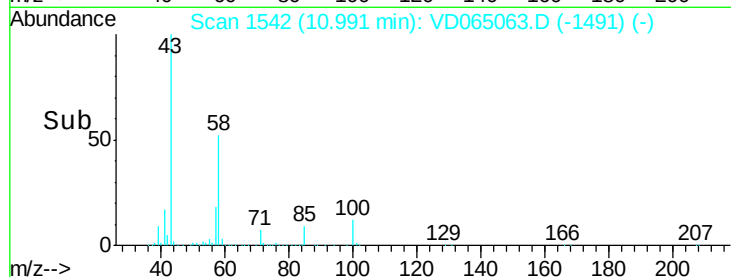
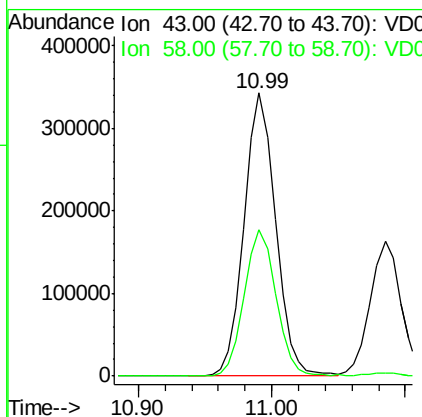
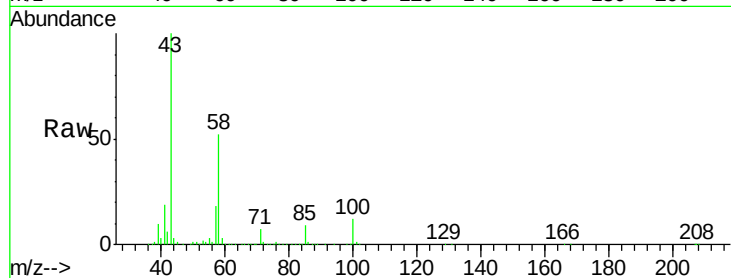
#59
2-Hexanone
Concen: 251.096 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 559968
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.6

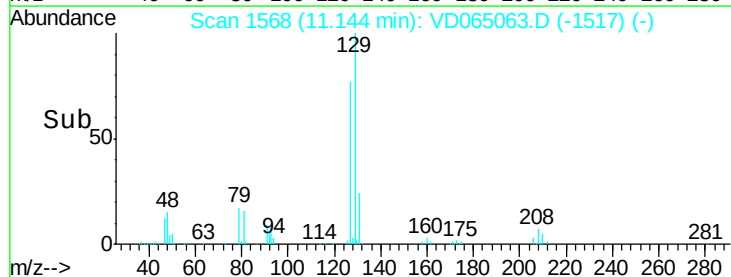
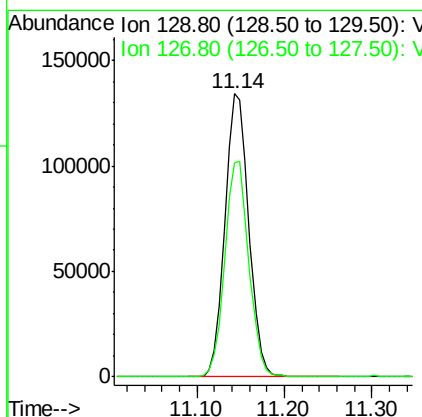
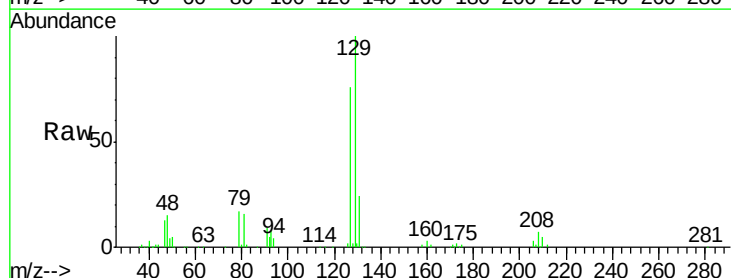
Manual Integrations
APPROVED

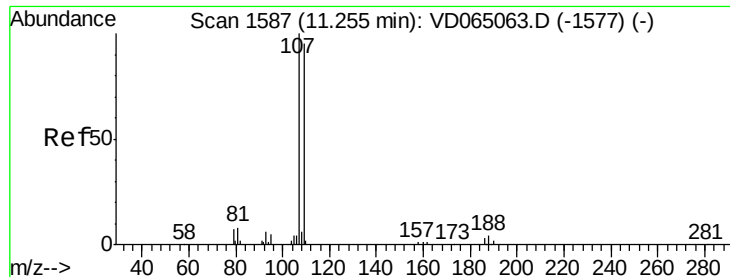
MMDadoda
2/6/2020 10:37:14 AM



#60
Dibromochloromethane
Concen: 46.629 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 129 Resp: 251097
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





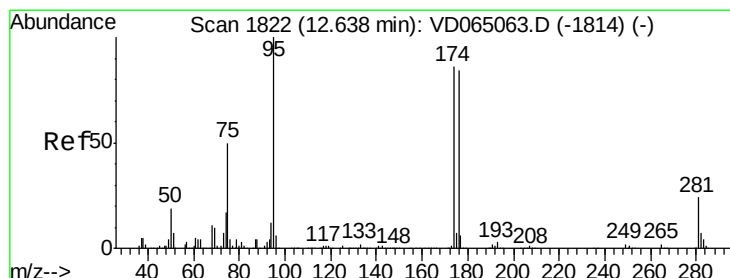
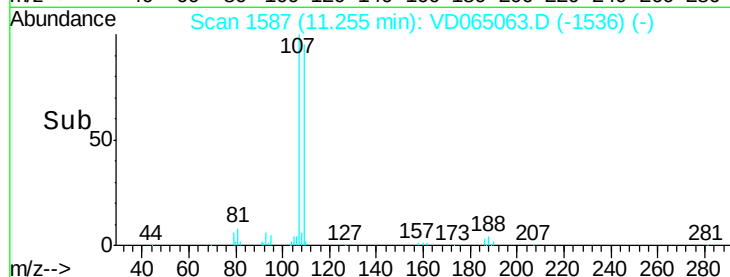
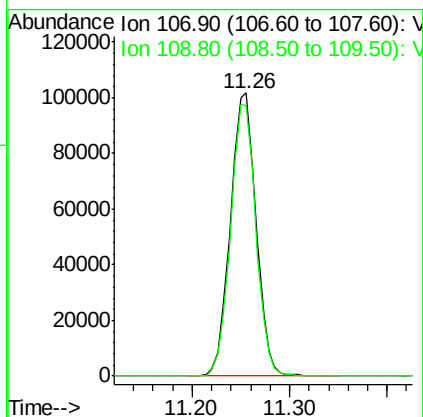
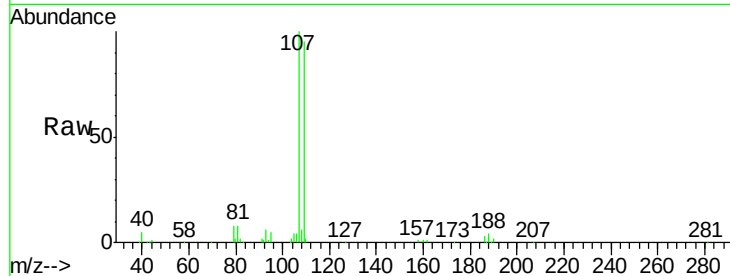
#61
1,2-Dibromoethane
Concen: 47.861 ug/l
RT: 11.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.5	113.3

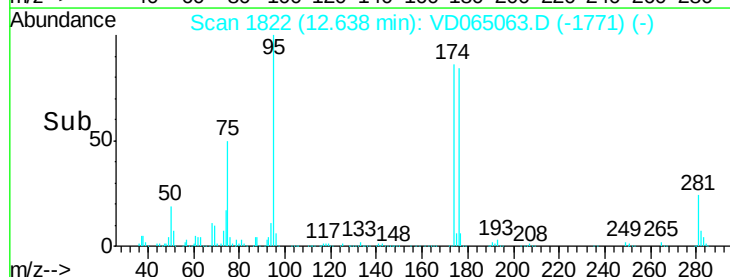
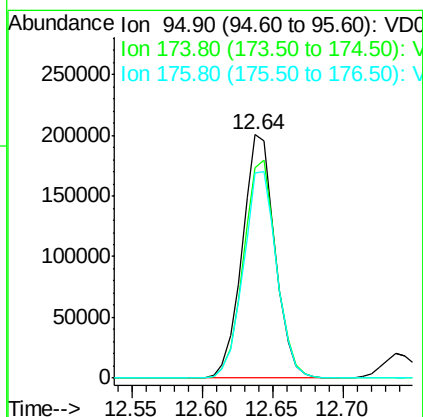
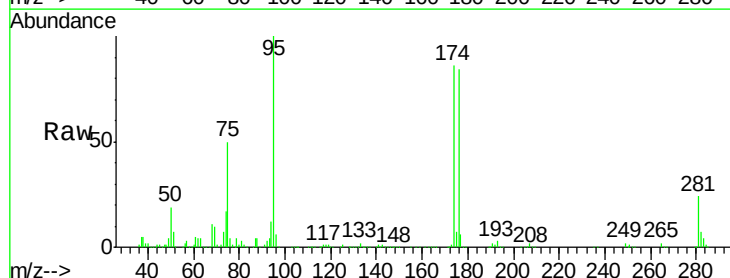
Manual Integrations
APPROVED

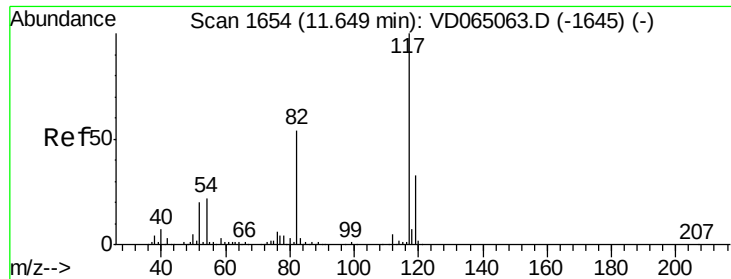
MMDadoda
2/6/2020 10:37:14 AM



#62
4-Bromofluorobenzene
Concen: 51.088 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	180.0
176	86.6	0.0	173.2





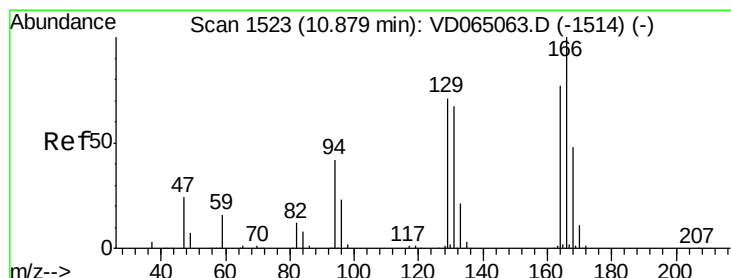
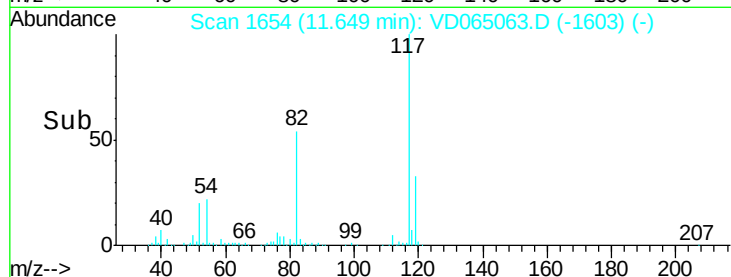
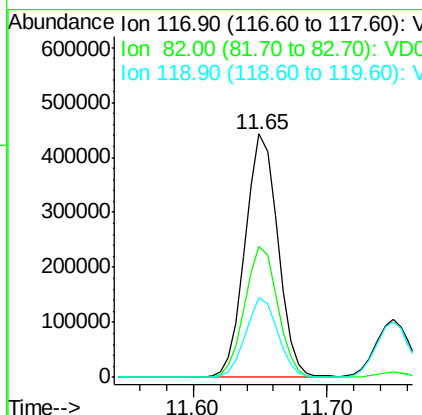
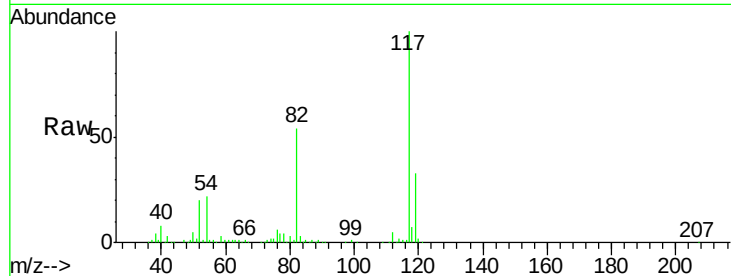
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.1	64.7
119	32.5	26.0	39.0

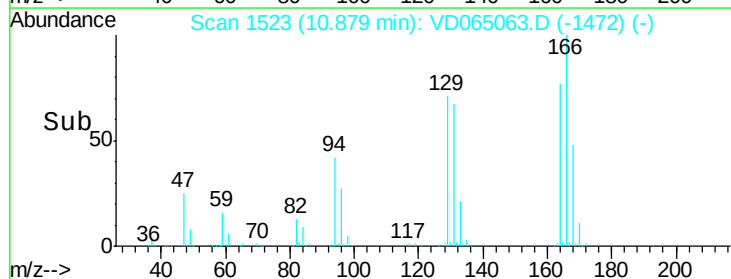
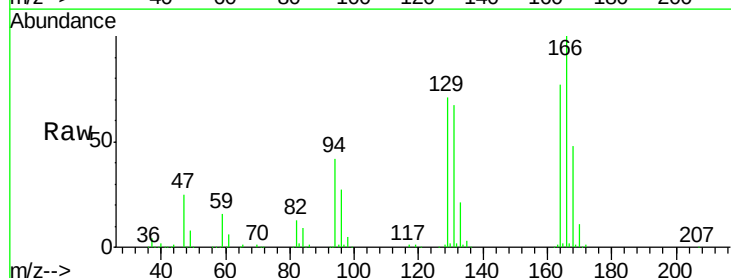
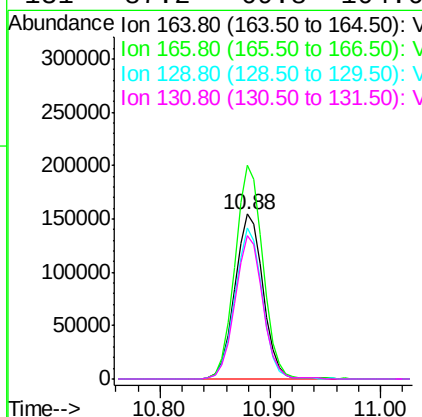
Manual Integrations
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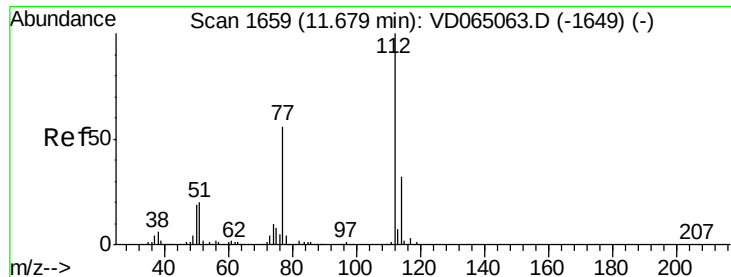
MMDadoda
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#64
Tetrachloroethene
Concen: 50.950 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	91.6	73.3	109.9
131	87.2	69.8	104.6





#65

Chlorobenzene

Concen: 48.913 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 748582

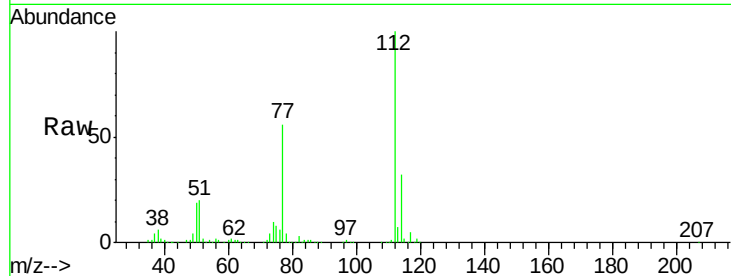
Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0

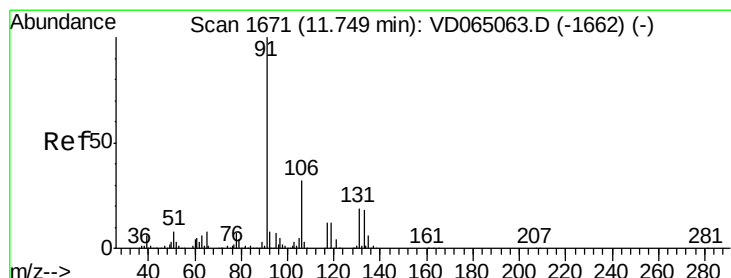
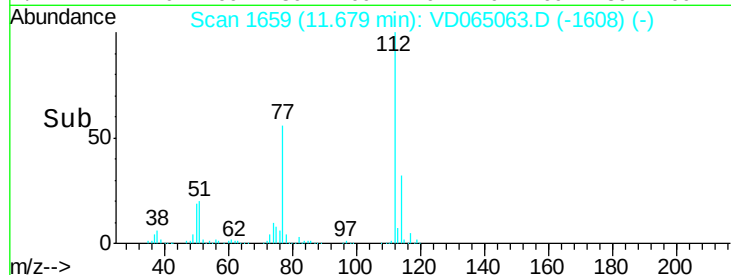
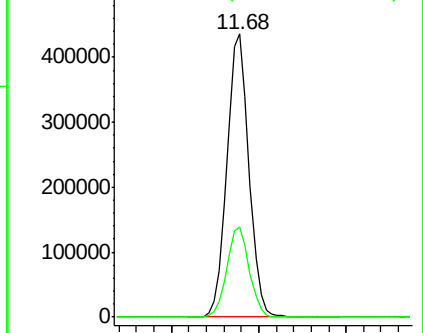
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.880 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

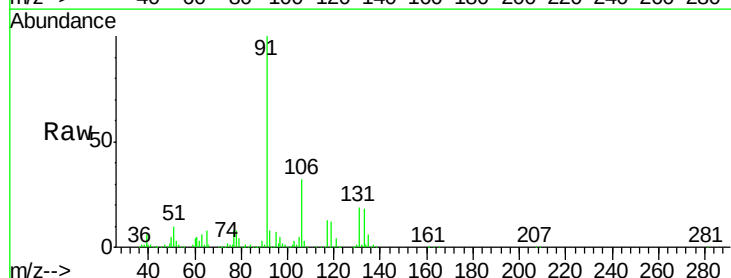
Tgt Ion:131 Resp: 280068

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

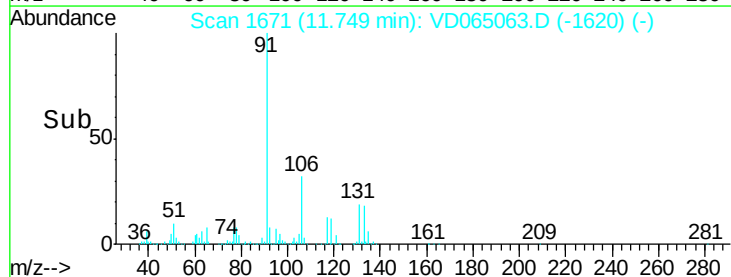
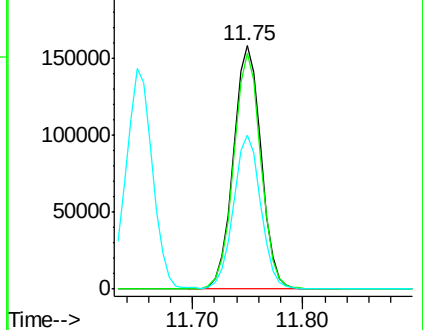
119 62.5 31.3 93.8

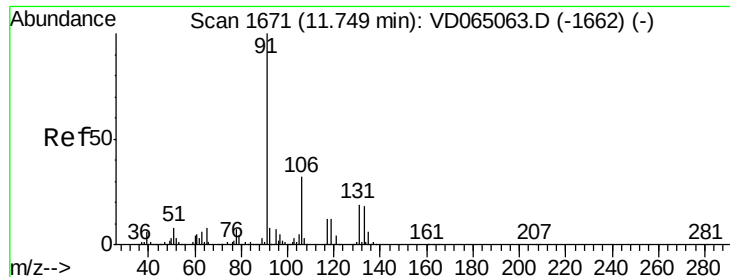


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.943 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1381941

Ion Ratio Lower Upper

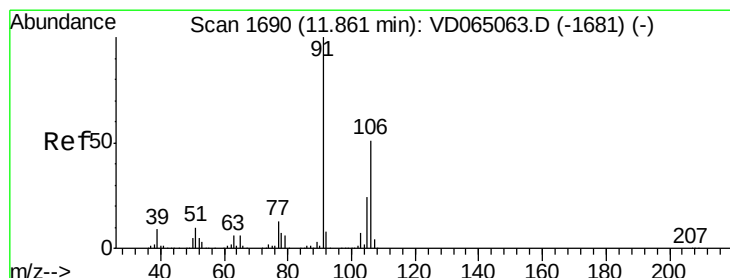
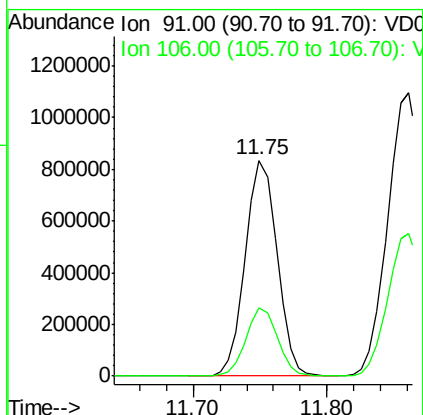
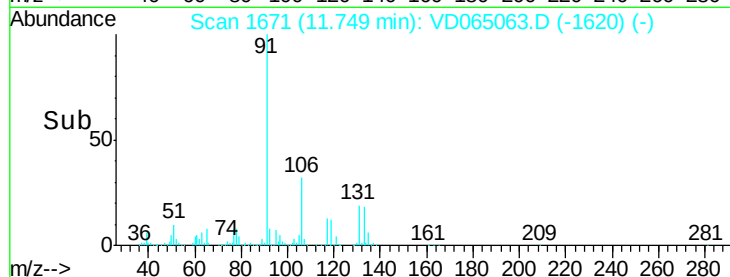
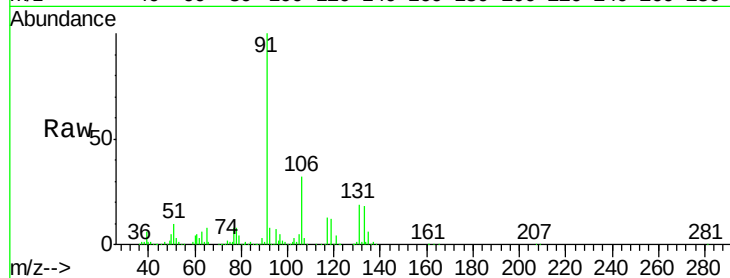
91 100

106 31.8 25.4 38.2

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#68

m/p-Xylenes

Concen: 101.935 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065063.D

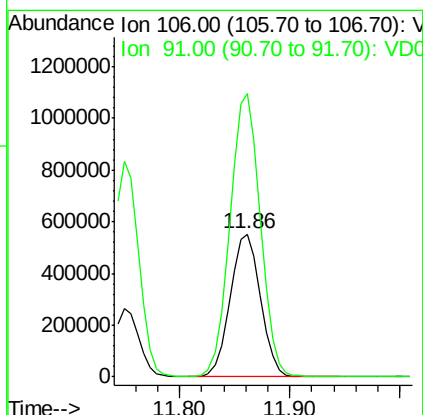
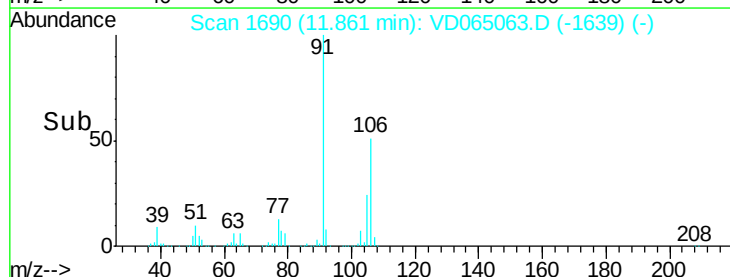
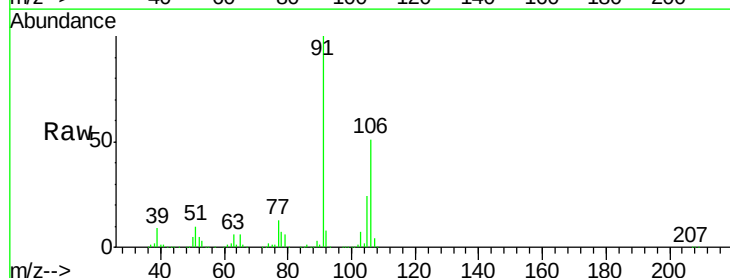
Acq: 05 Feb 2020 14:36

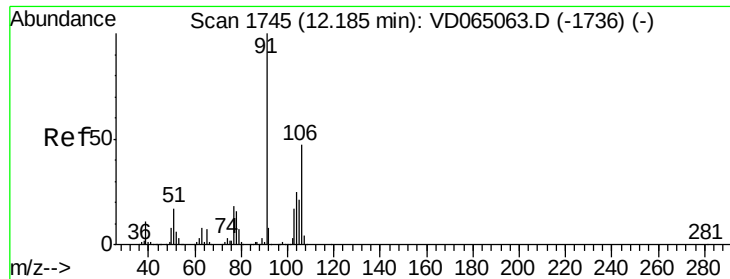
Tgt Ion: 106 Resp: 1064310

Ion Ratio Lower Upper

106 100

91 198.6 158.9 238.3





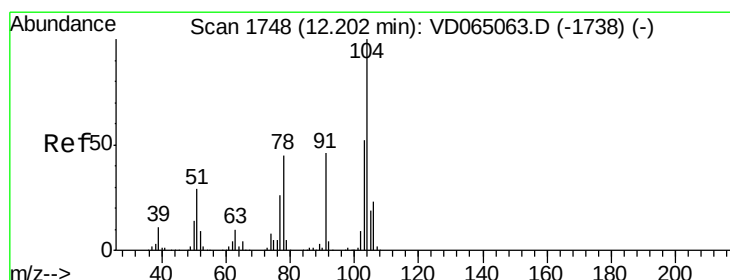
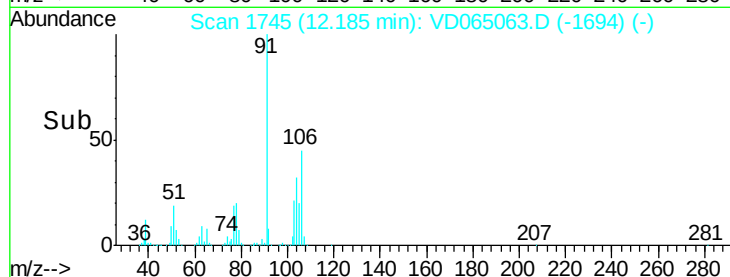
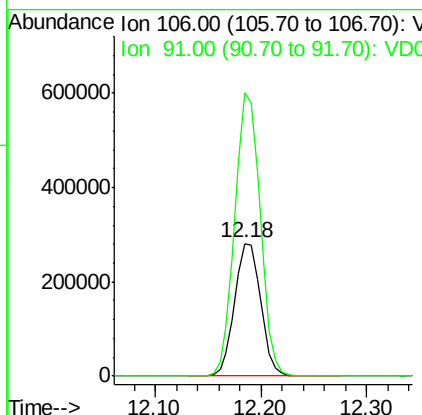
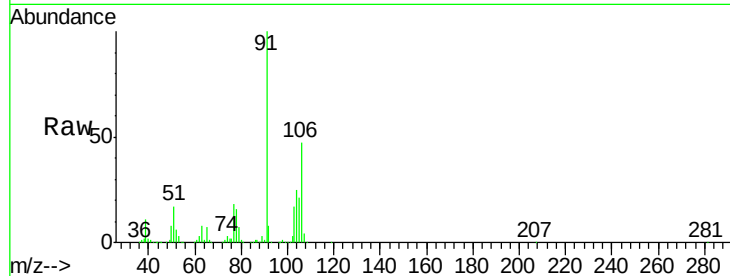
#69
o-Xylene
Concen: 51.484 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.3	104.7	313.9	

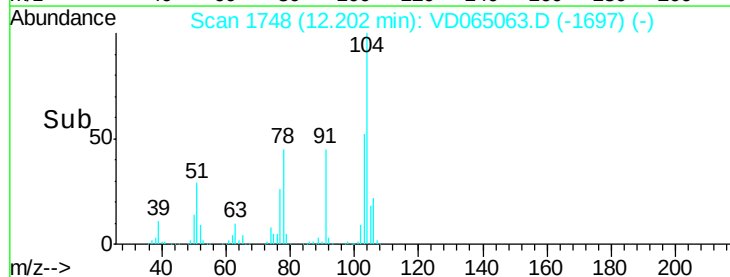
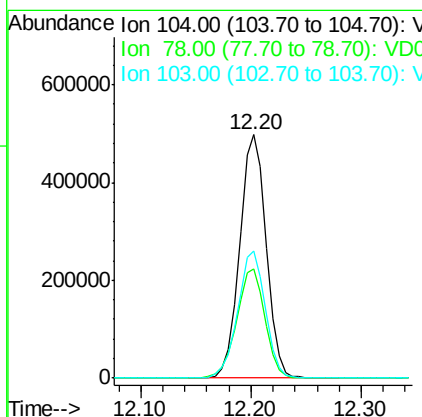
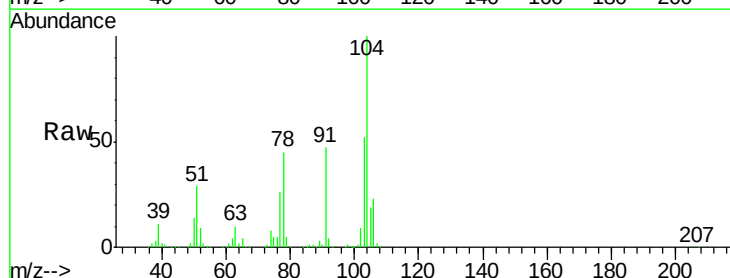
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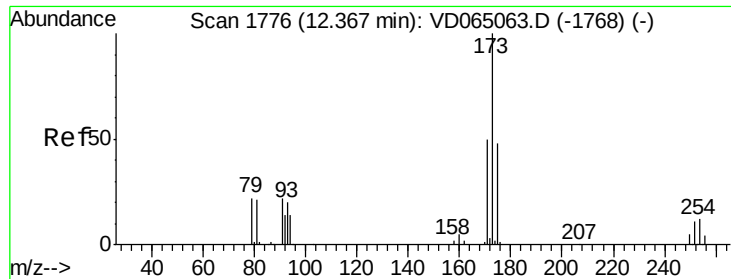
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#70
Styrene
Concen: 50.834 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	38.5	57.7	
103	54.8	43.8	65.8	





#71

Bromoform

Concen: 46.250 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 145809

Ion Ratio Lower Upper

173 100

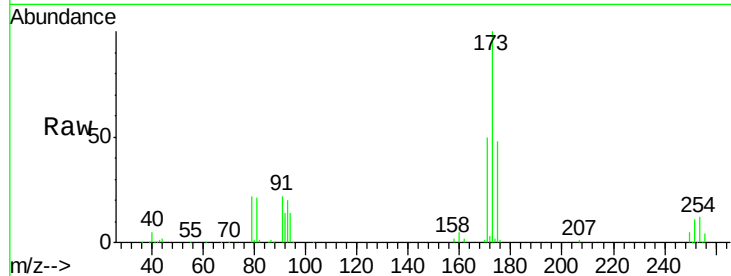
175 48.5 24.3 72.8

254 0.1 0.1 0.1#

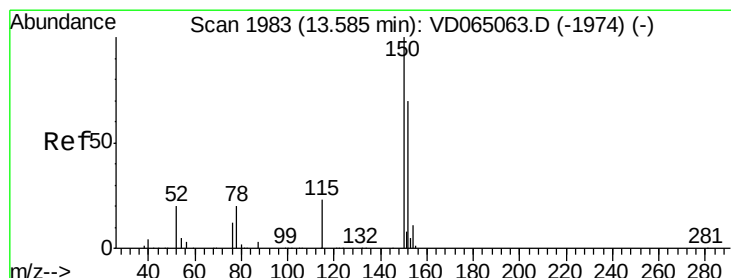
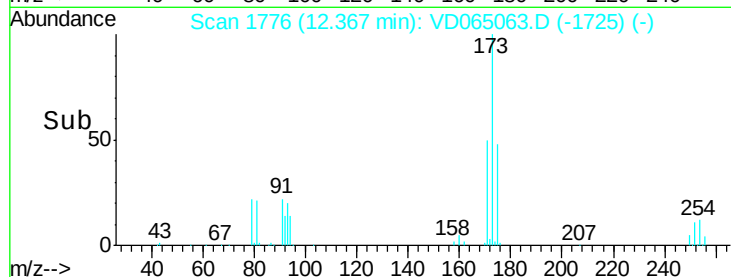
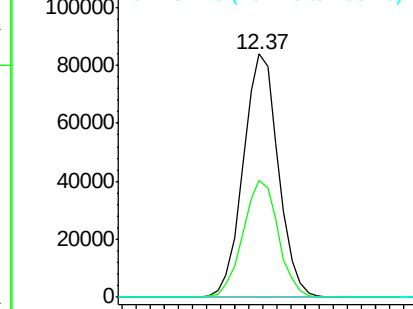
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

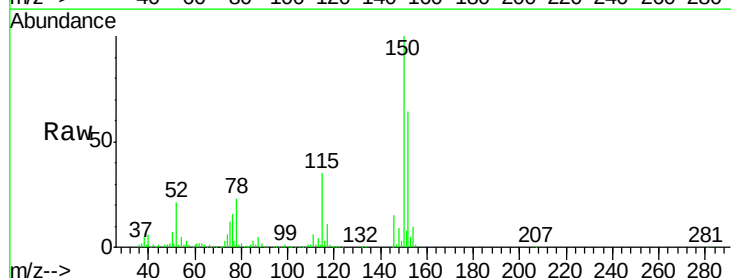
Tgt Ion:152 Resp: 364285

Ion Ratio Lower Upper

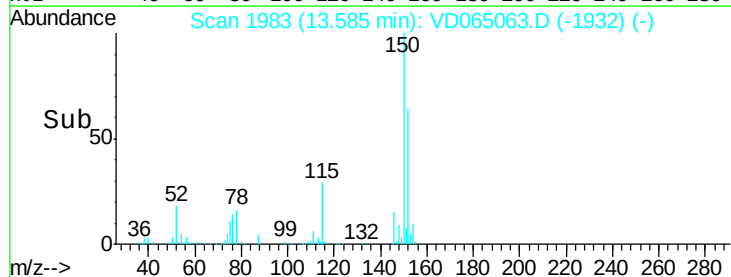
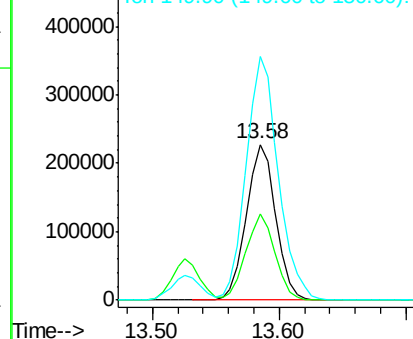
152 100

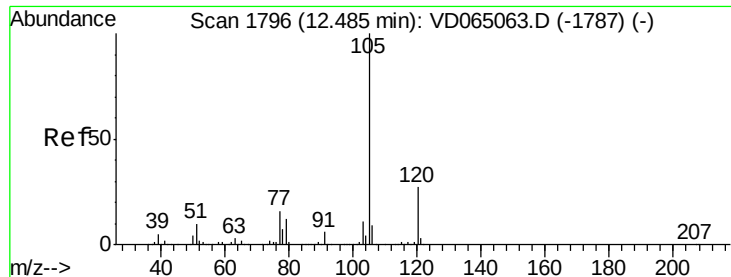
115 54.9 27.5 82.4

150 171.6 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





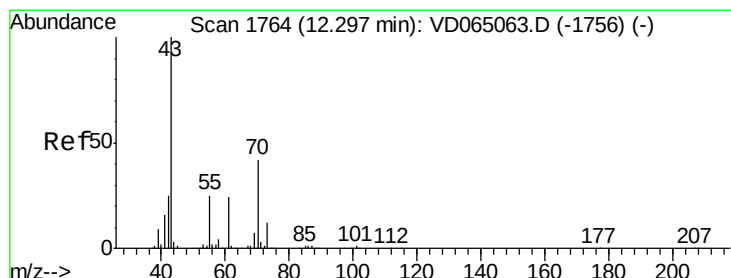
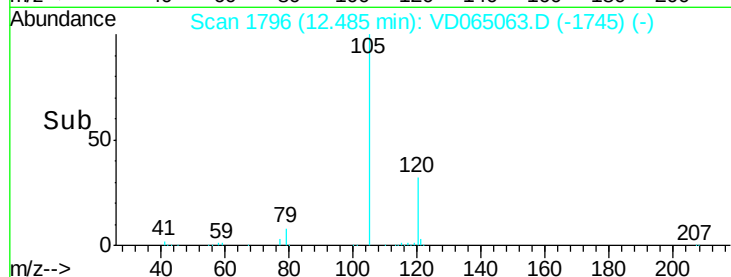
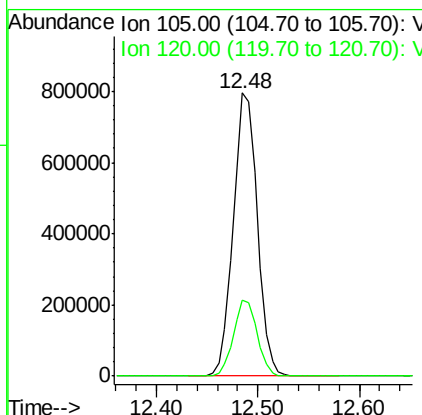
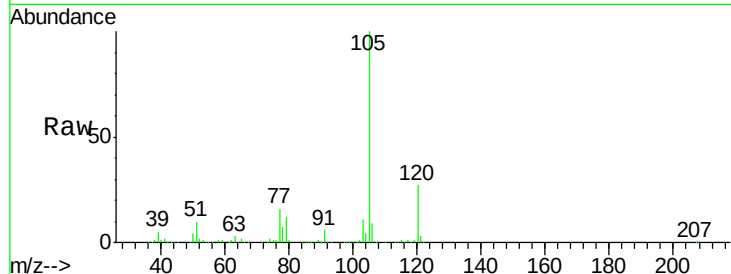
#73
Isopropylbenzene
Concen: 52.412 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 1307818
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

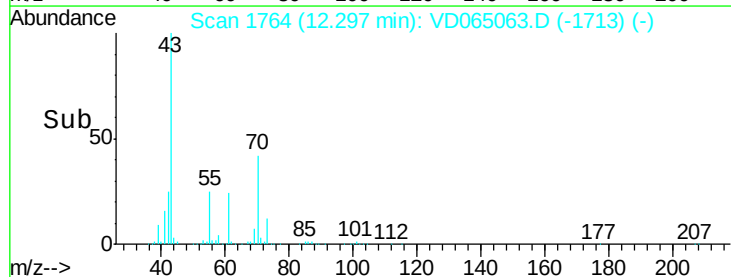
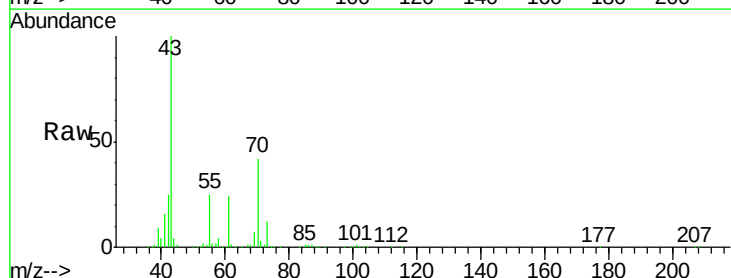
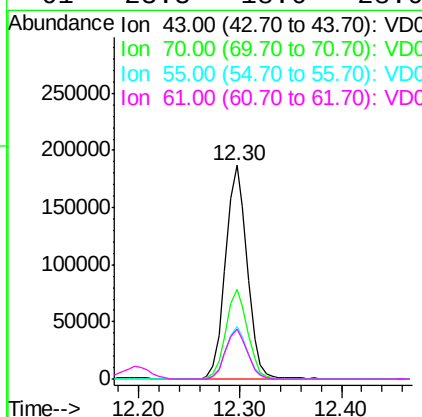
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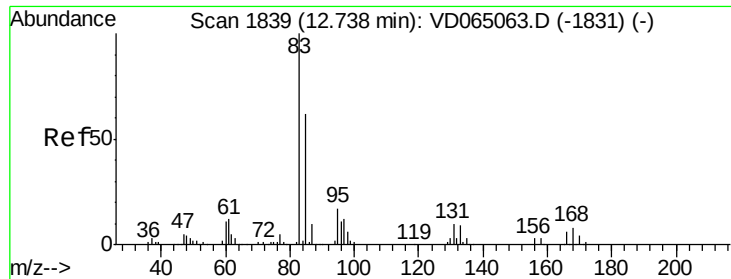
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#74
N-ethyl acetate
Concen: 50.276 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 43 Resp: 279073
Ion Ratio Lower Upper
43 100
70 41.9 33.5 50.3
55 24.3 19.4 29.2
61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.639 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

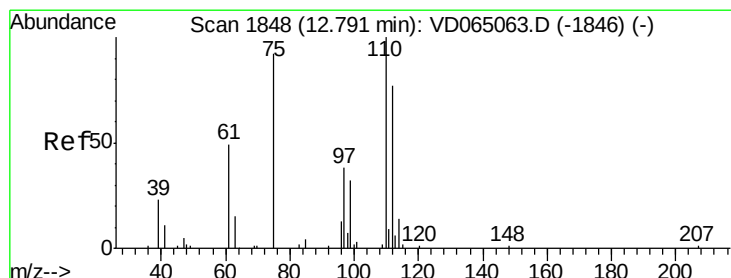
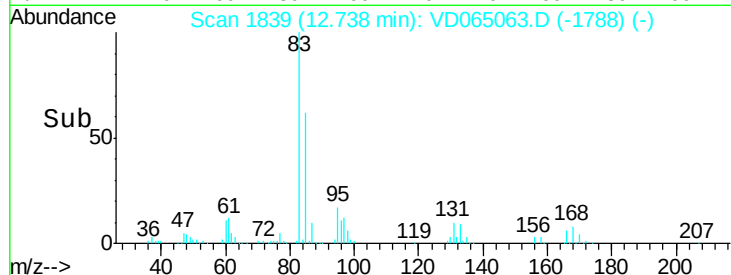
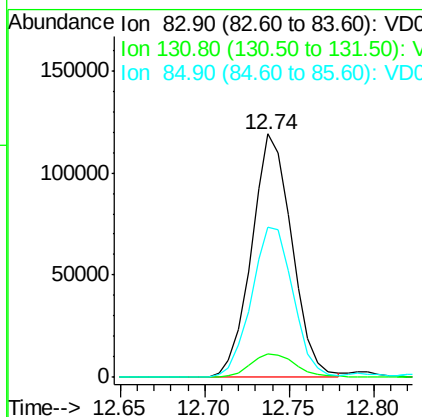
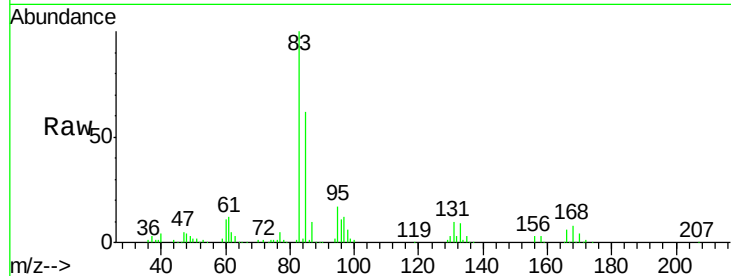
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	197732
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 48.451 ug/l m

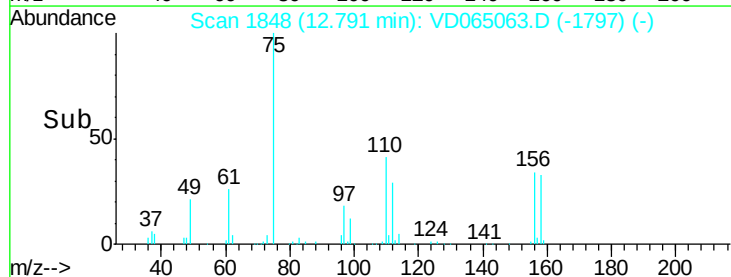
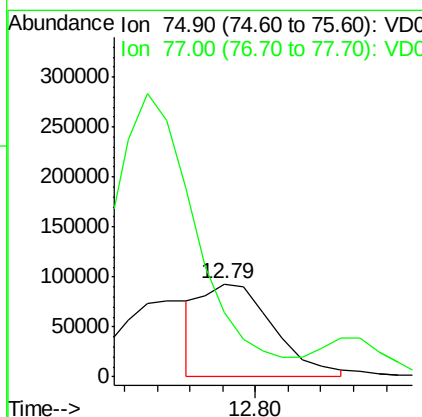
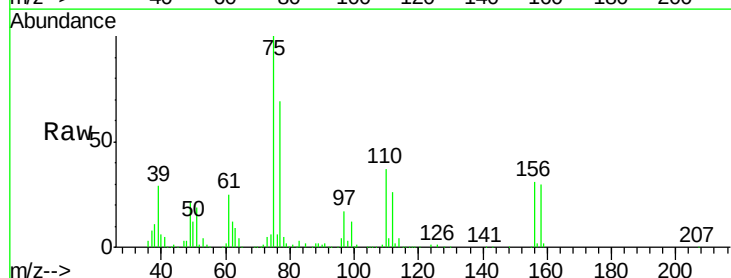
RT: 12.79 min Scan# 1848

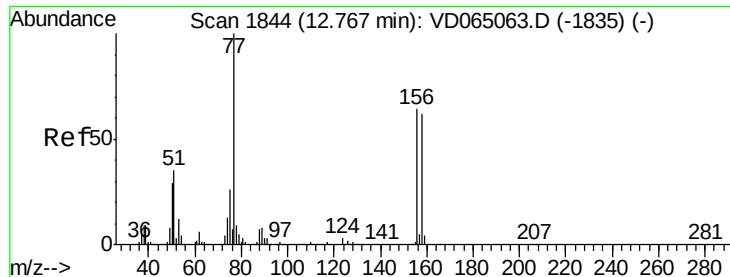
Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Tgt Ion:	75	Resp:	142734
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.296 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

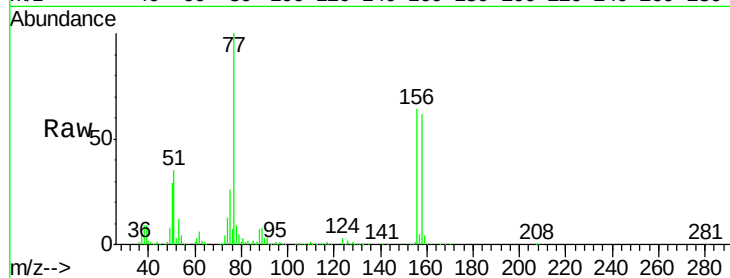
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.2	85.6	256.8
158	94.8	47.4	142.2

Manual Integrations
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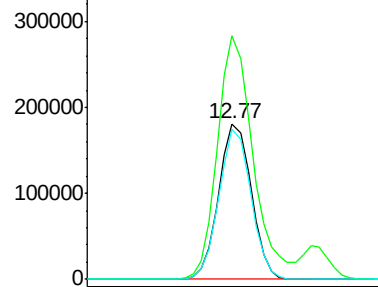
MMDadoda
2/6/2020 10:37:14 AM



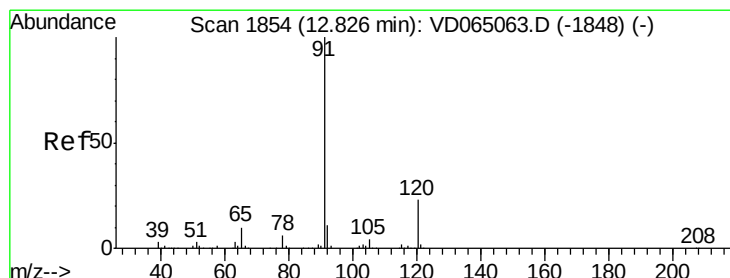
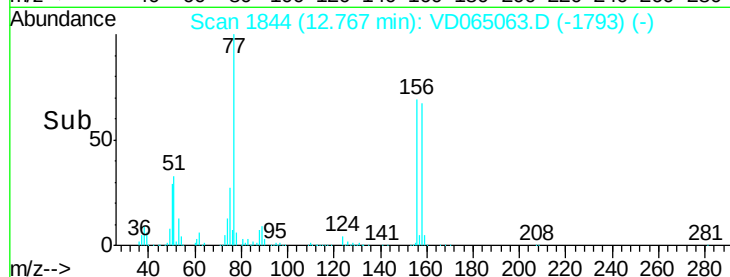
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 51.753 ug/l

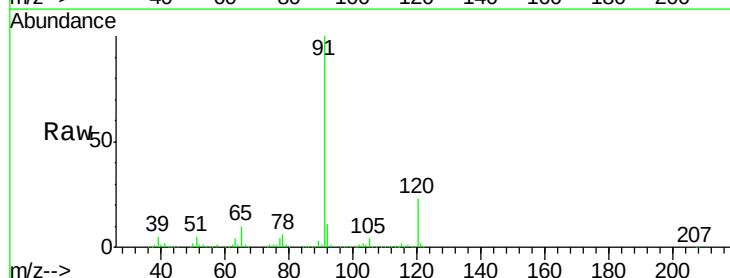
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065063.D

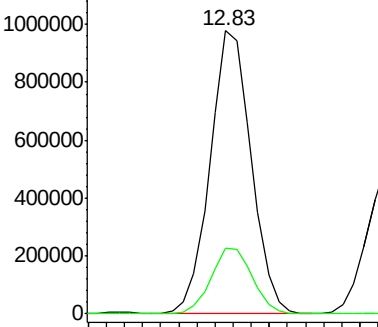
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3

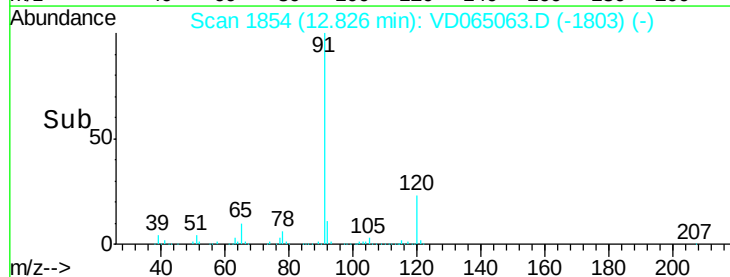


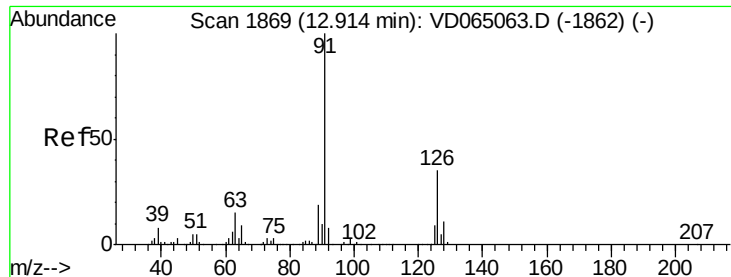
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





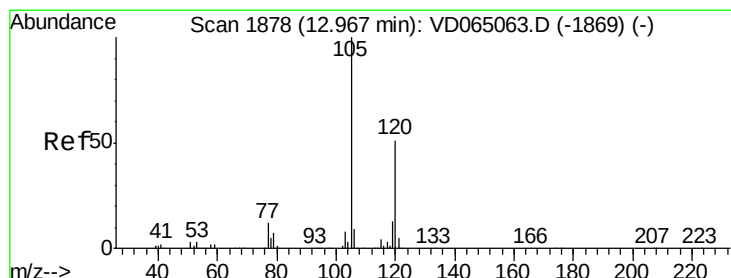
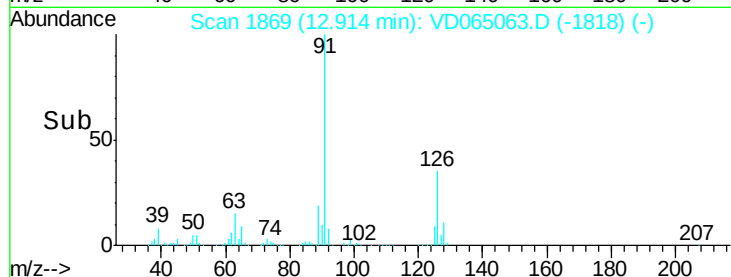
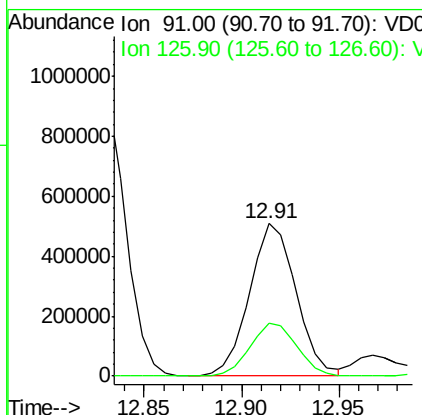
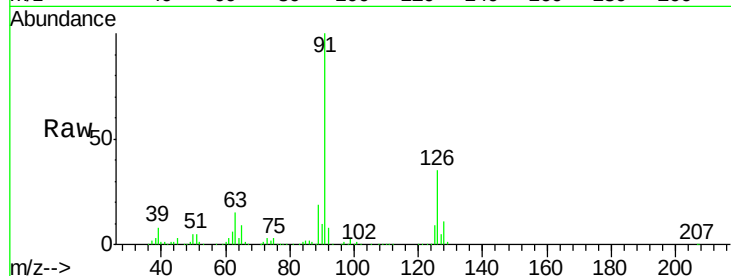
#79
2-Chlorotoluene
Concen: 51.653 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 841611
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3

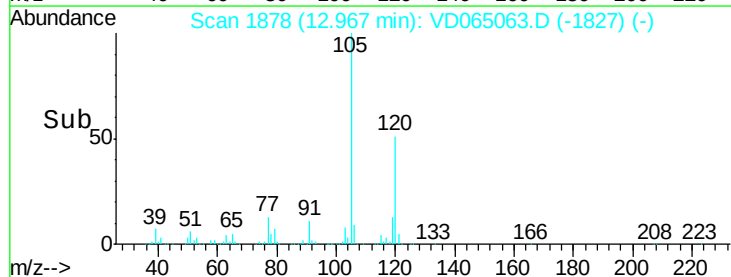
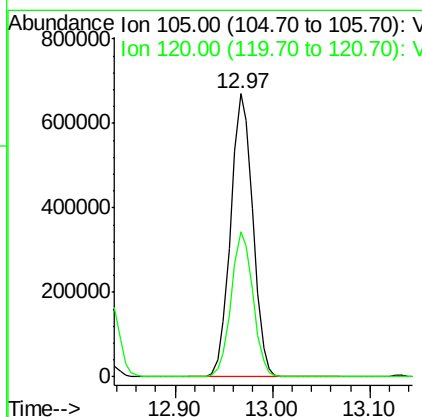
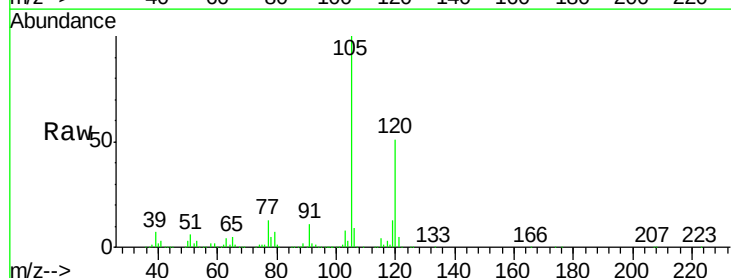
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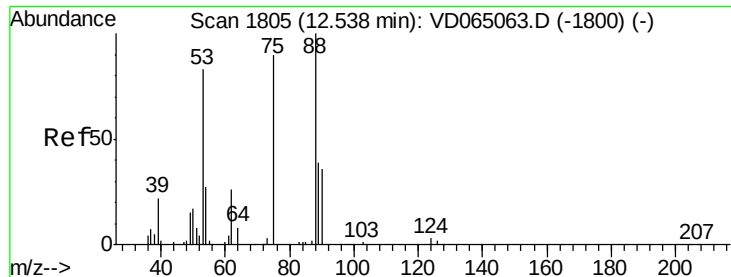
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2/6/2020 10:37:14 AM



#80
1,3,5-Trimethylbenzene
Concen: 51.734 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion: 105 Resp: 1057474
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.4





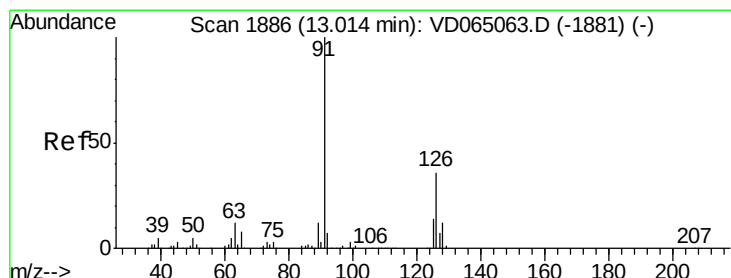
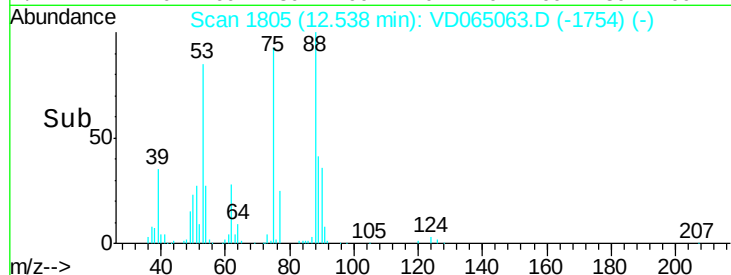
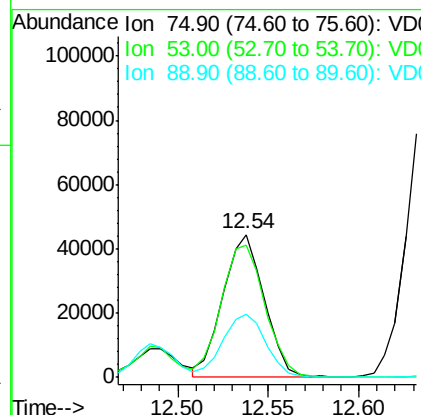
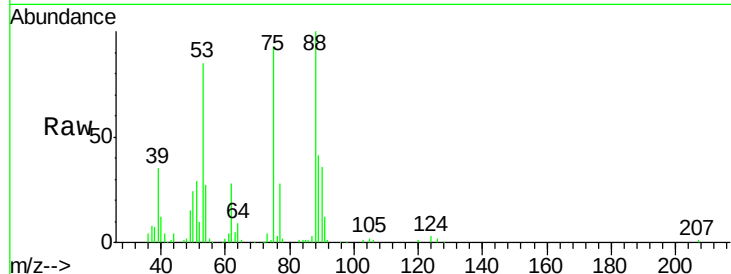
#81
trans-1,4-Dichloro-2-butene
Concen: 49.976 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	46.2	37.0	55.4

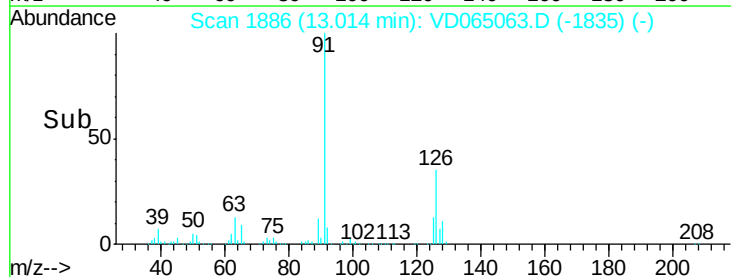
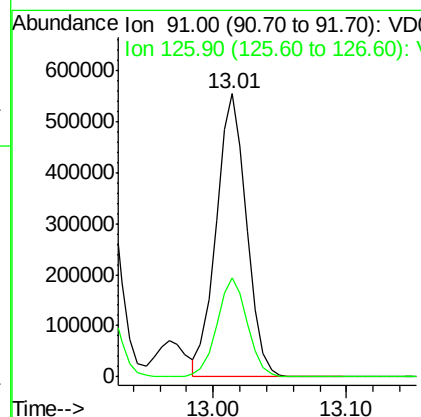
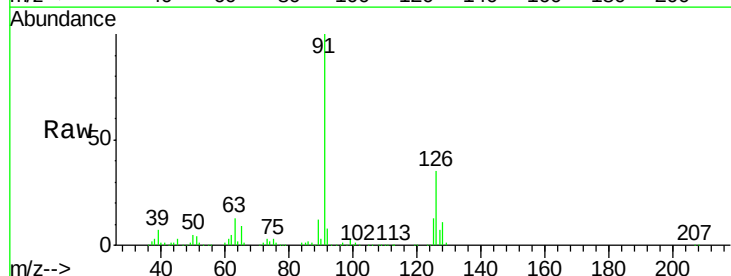
Manual Integrations
APPROVED

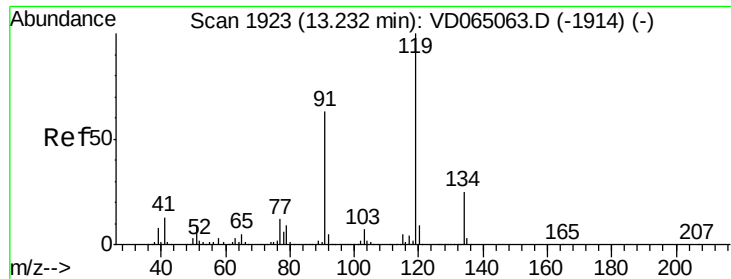
MMDadoda
2/6/2020 10:37:14 AM



#82
4-Chlorotoluene
Concen: 50.922 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





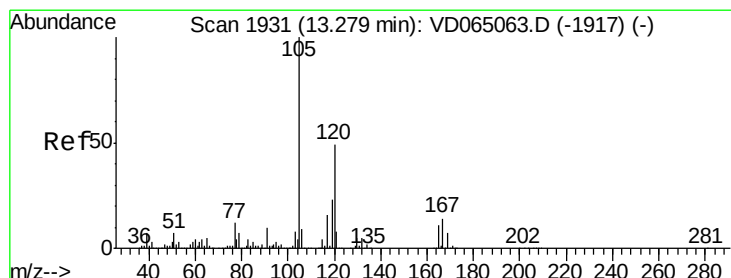
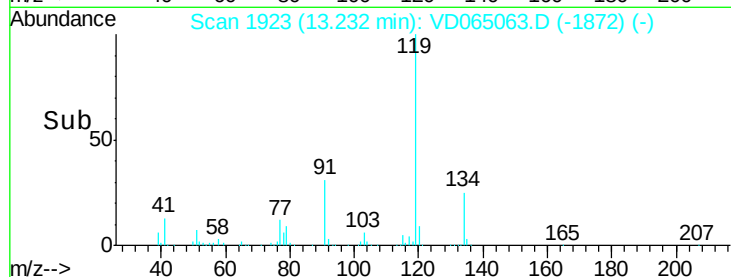
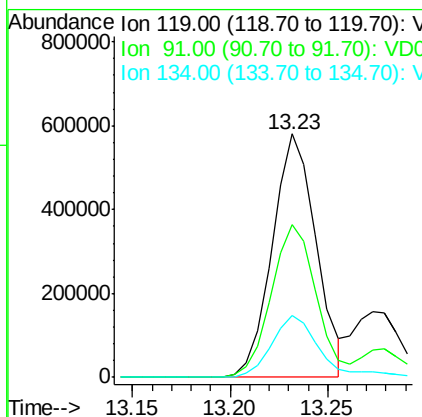
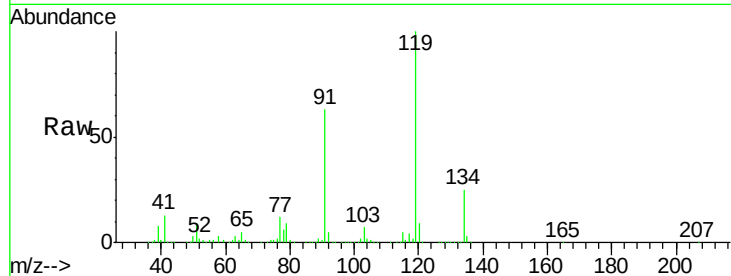
#83
 tert-Butylbenzene
 Concen: 52.100 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	902648		
91	64.6		32.3	96.9
134	27.5		13.8	41.3

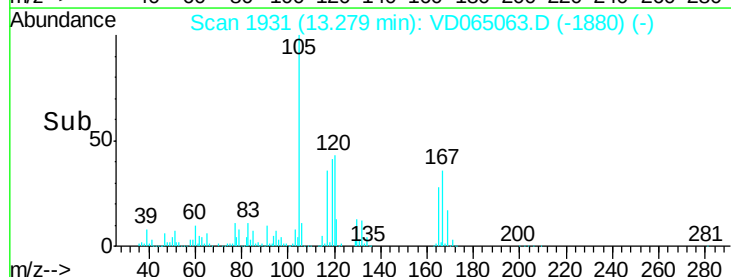
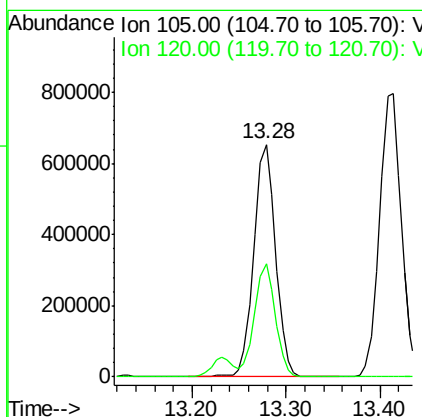
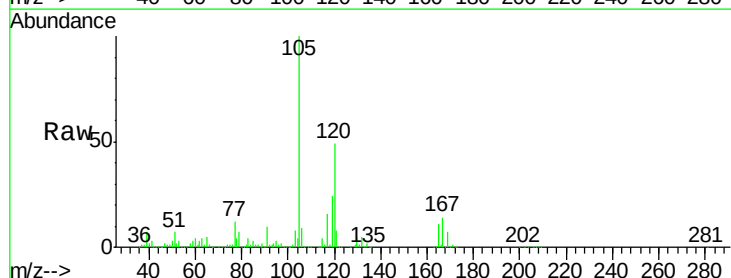
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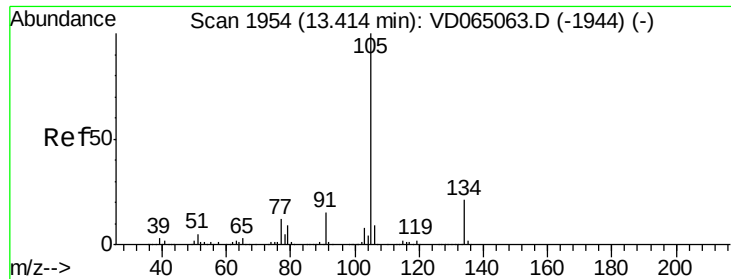
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 2/6/2020 10:37:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.899 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1050764		
120	47.0		23.5	70.5





#85

sec-Butylbenzene

Concen: 51.898 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1276999

Ion Ratio Lower Upper

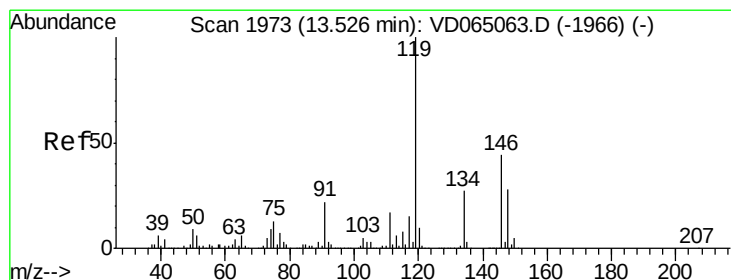
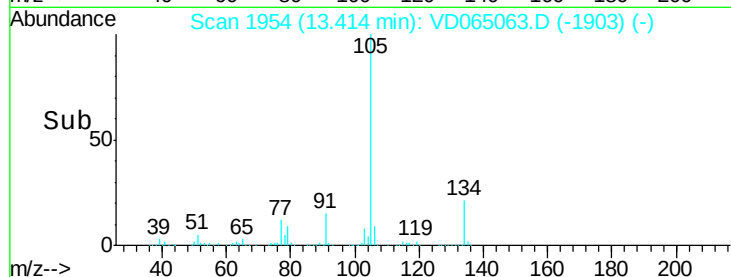
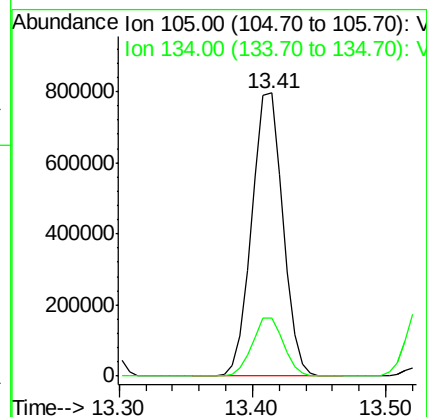
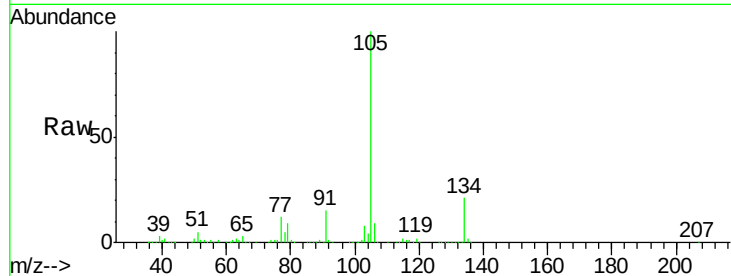
105 100

134 20.7 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.845 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065063.D

Acq: 05 Feb 2020 14:36

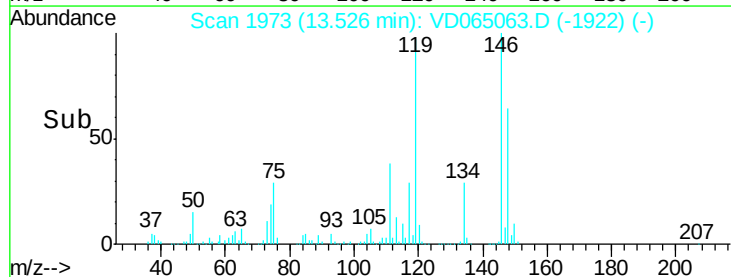
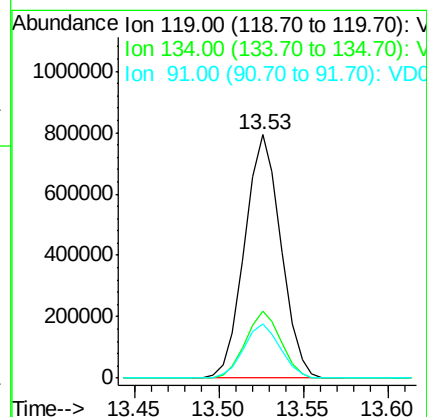
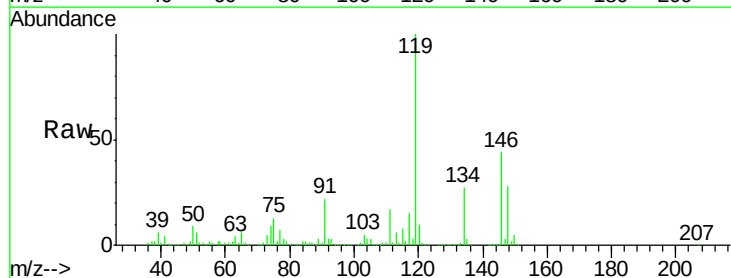
Tgt Ion:119 Resp: 1188214

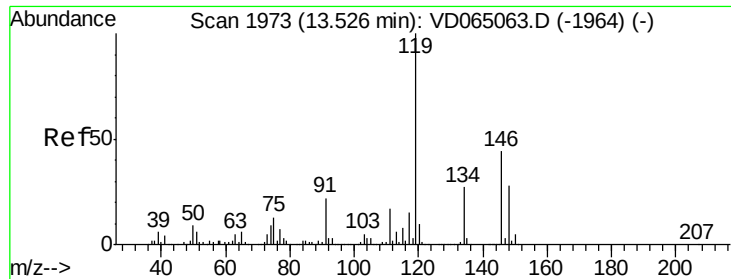
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.6 11.3 33.9





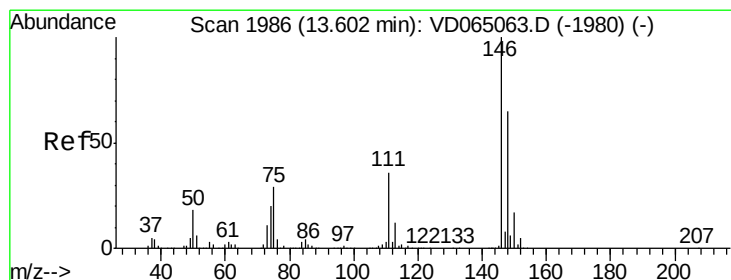
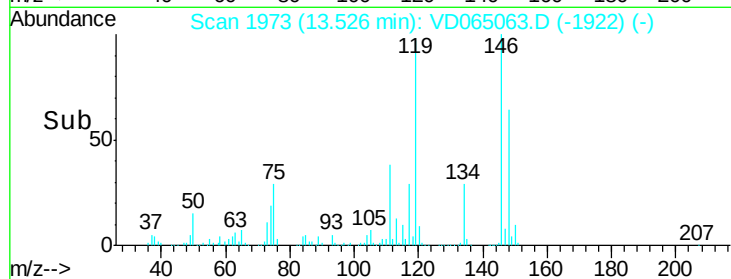
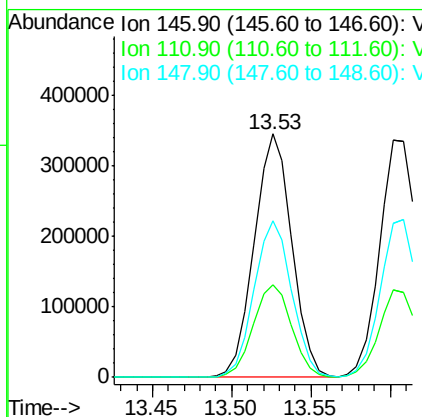
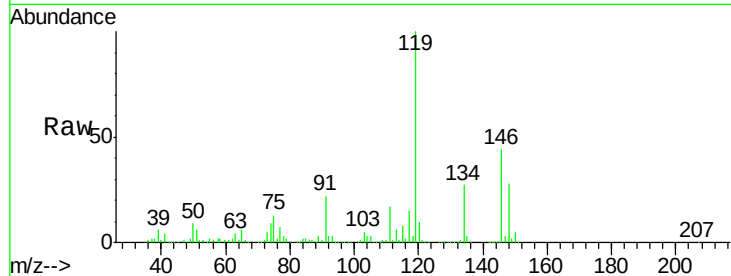
#87
 1,3-Dichlorobenzene
 Concen: 49.008 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	571105		
111	38.9	19.4	58.4	
148	64.5	32.3	96.8	

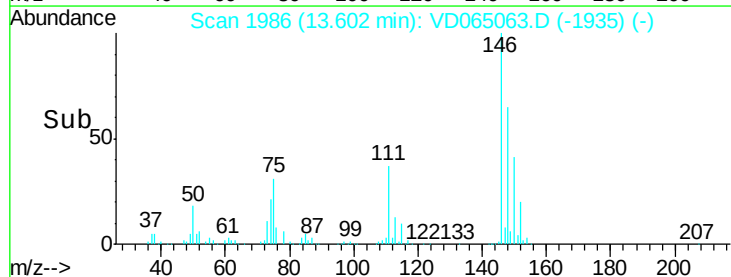
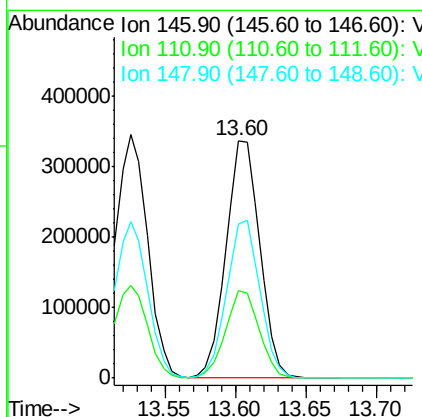
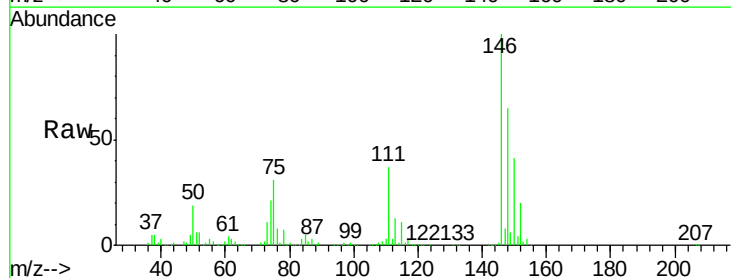
Manual Integrations
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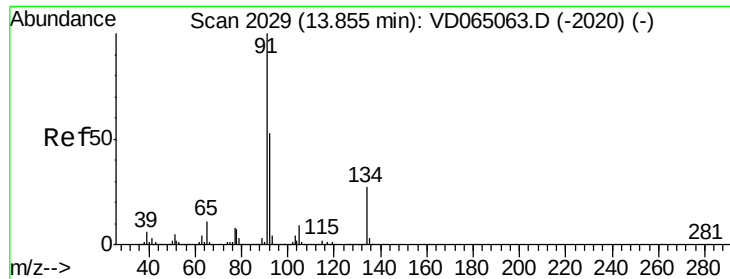
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#88
 1,4-Dichlorobenzene
 Concen: 48.641 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	562491		
111	37.0	18.5	55.5	
148	65.4	32.7	98.1	





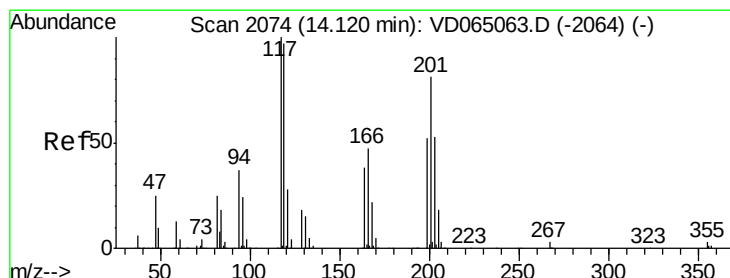
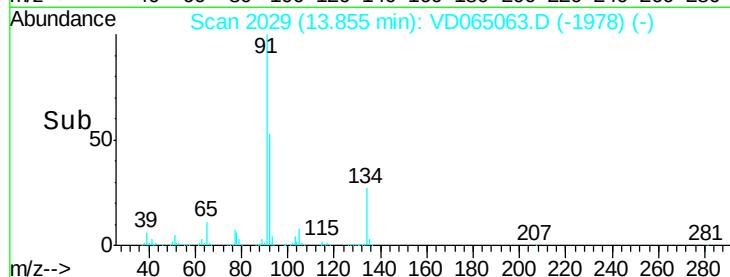
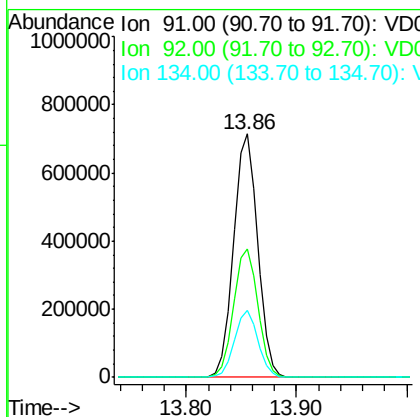
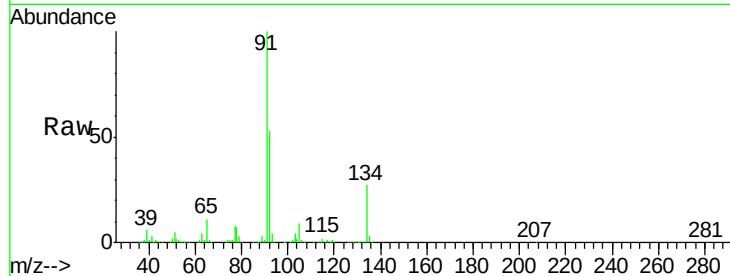
#89
n-Butylbenzene
Concen: 52.400 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.1
134	26.8	13.4	40.2

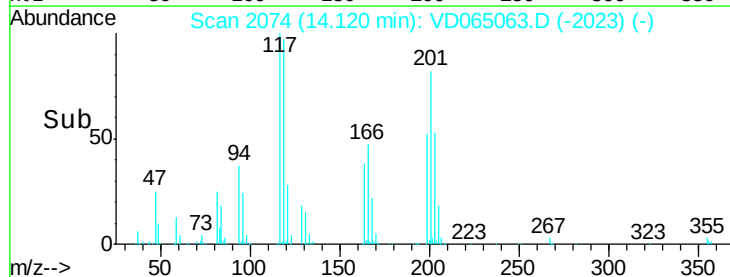
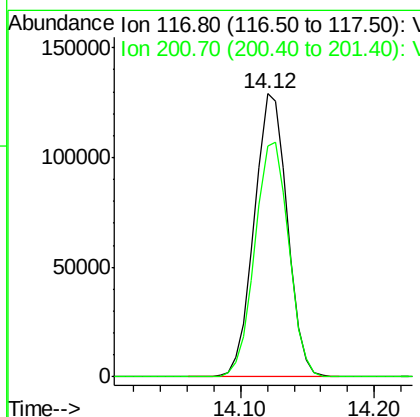
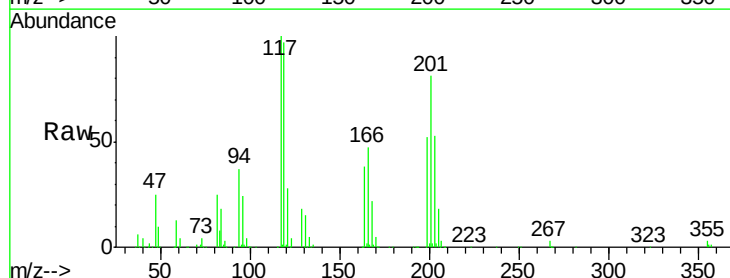
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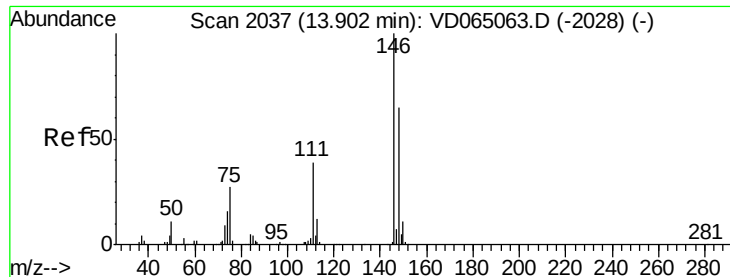
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#90
Hexachloroethane
Concen: 49.969 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





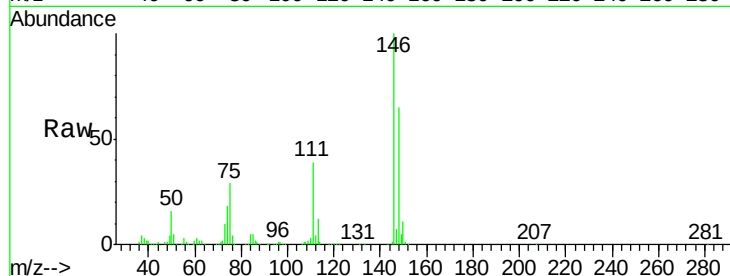
#91
 1,2-Dichlorobenzene
 Concen: 49.491 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

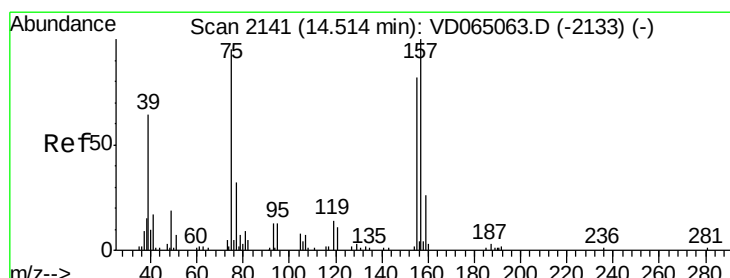
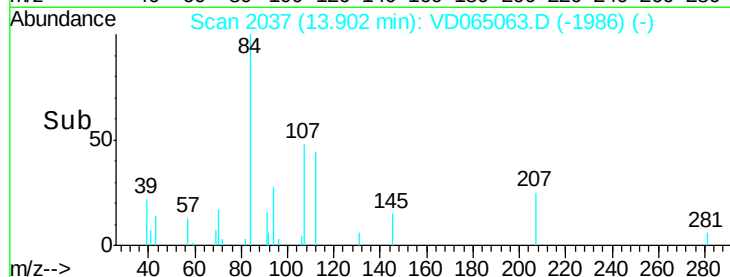
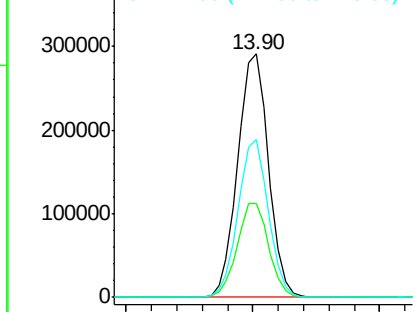
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	63.7	31.9	95.5

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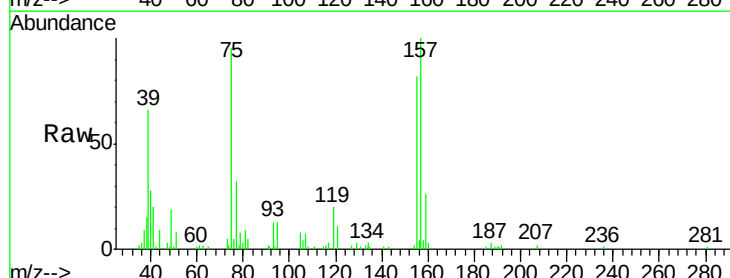


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

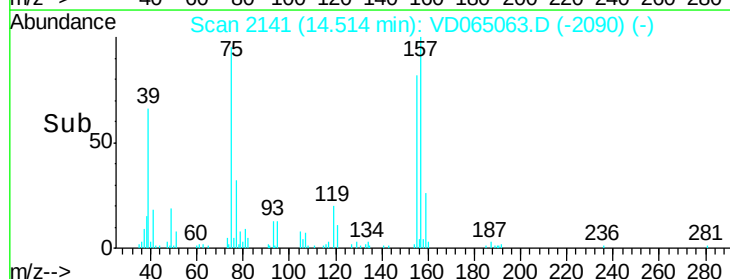
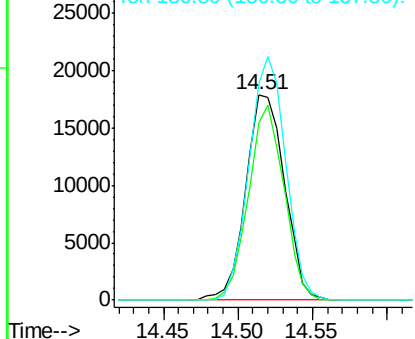


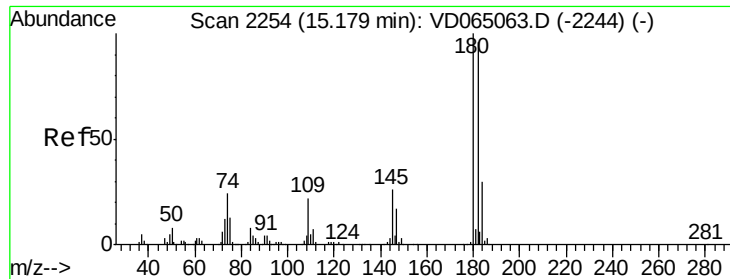
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.056 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.4	130.1
157	111.5	55.8	167.3



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





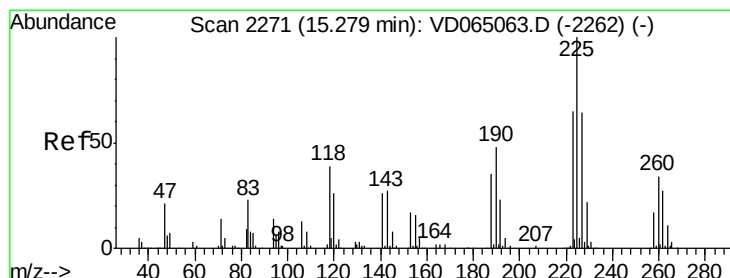
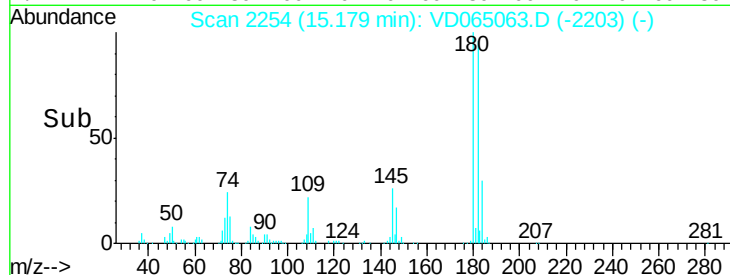
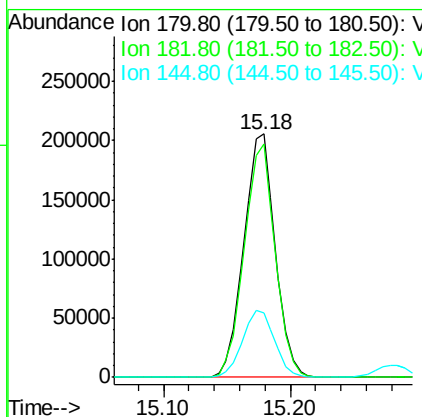
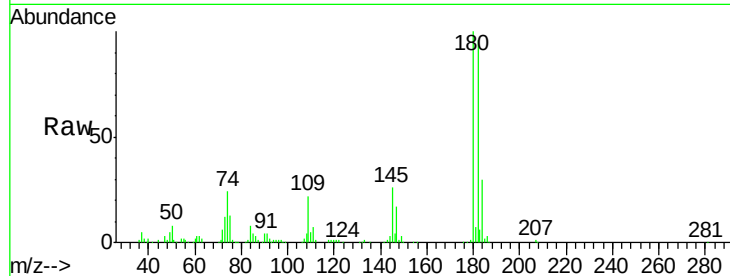
#93
 1,2,4-Trichlorobenzene
 Concen: 51.292 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	353150
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	28.3	14.1	42.4

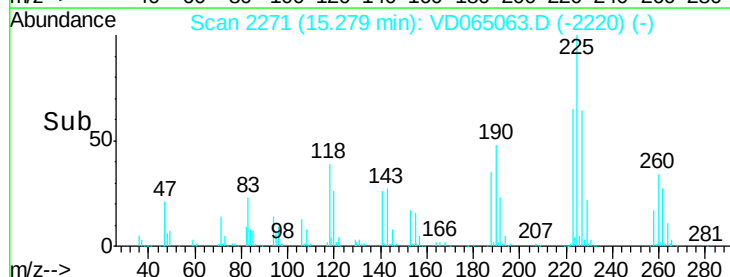
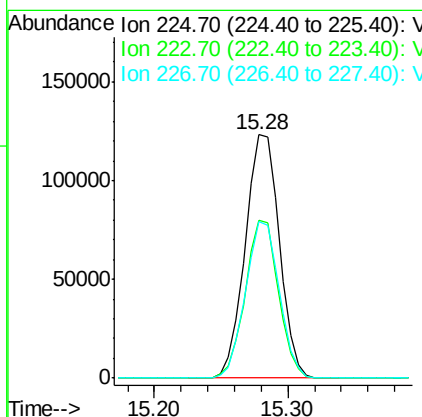
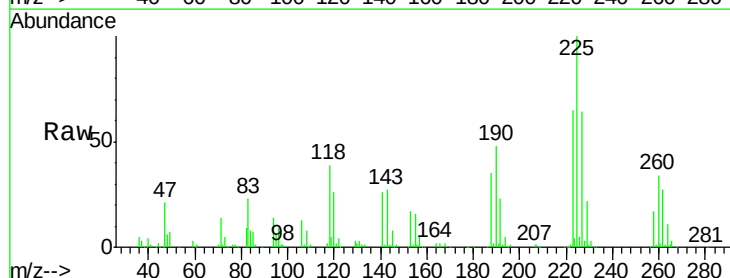
Manual Integrations
 APPROVED

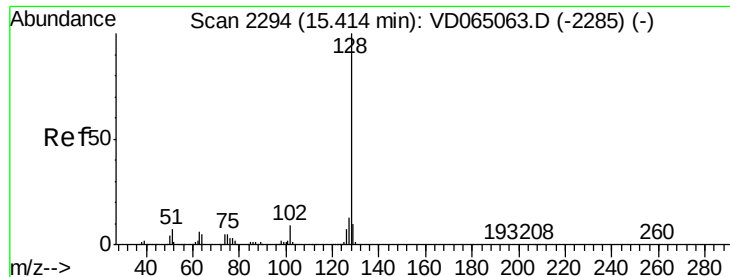
MMDadoda
 2/6/2020 10:37:14 AM



#94
 Hexachlorobutadiene
 Concen: 49.852 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065063.D
 Acq: 05 Feb 2020 14:36

Tgt Ion:	225	Resp:	217111
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.4	94.0
227	63.5	31.8	95.3





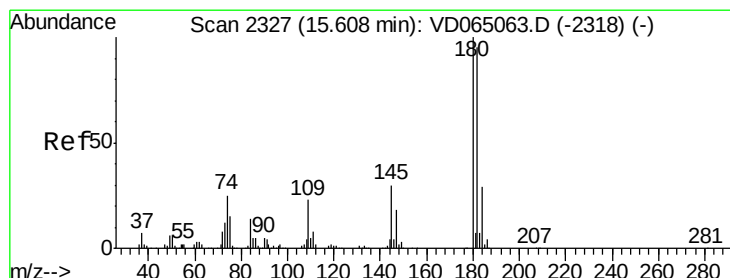
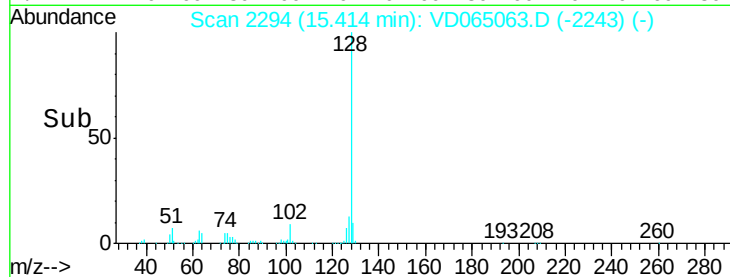
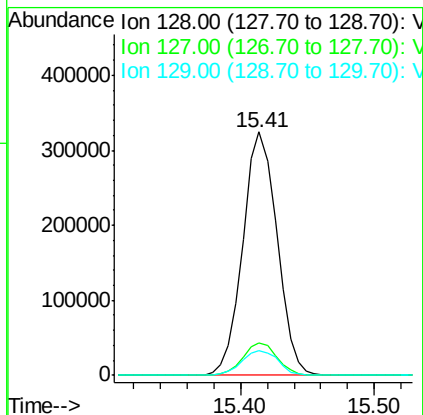
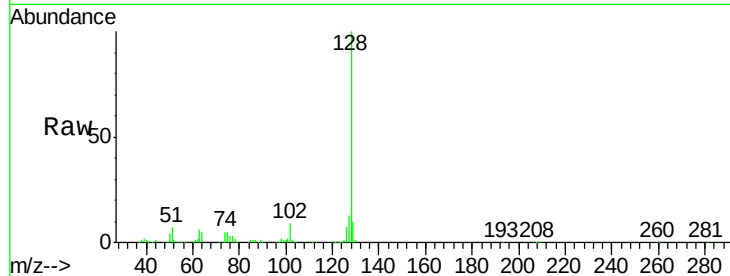
#95
Naphthalene
Concen: 51.991 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	575292		
127	13.2		10.6	15.8
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.601 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065063.D
Acq: 05 Feb 2020 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	293554		
182	94.3		47.1	141.4
145	29.9		14.9	44.9

