

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066311.D
 Acq On : 19 Aug 2020 11:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:36:48 PM

Quant Time: Aug 19 16:06:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	259001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	369102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	167971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121146	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	7.91	113	121331	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.34	98	444406	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.63	95	157680	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94569	41.443	ug/l	99
3) Chloromethane	2.20	50	73828	41.592	ug/l	98
4) Vinyl Chloride	2.35	62	76572	48.725	ug/l	99
5) Bromomethane	2.76	94	53250	51.073	ug/l	97
6) Chloroethane	2.92	64	48999	50.794	ug/l	93
7) Trichlorofluoromethane	3.27	101	204479	49.909	ug/l	98
8) Diethyl Ether	3.70	74	55191	47.741	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	118851	48.880	ug/l	97
10) Methyl Iodide	4.30	142	126595	56.223	ug/l	96
11) Tert butyl alcohol	5.21	59	38600	219.004	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	111897	48.784	ug/l	96
13) Acrolein	3.92	56	35432	192.643	ug/l	99
14) Allyl chloride	4.71	41	161549	46.489	ug/l	94
15) Acrylonitrile	5.41	53	116705	239.569	ug/l	99
16) Acetone	4.16	43	116418	265.531	ug/l	92
17) Carbon Disulfide	4.40	76	296005	40.587	ug/l	99
18) Methyl Acetate	4.71	43	49777	44.698	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	262573	49.944	ug/l	97
20) Methylene Chloride	4.96	84	126650	50.331	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	123375	46.822	ug/l	94
22) Diisopropyl ether	6.36	45	326780	47.554	ug/l	96
23) Vinyl Acetate	6.30	43	972046	241.456	ug/l	99
24) 1,1-Dichloroethane	6.26	63	207482	48.788	ug/l	98
25) 2-Butanone	7.21	43	153740	238.410	ug/l	99
26) 2,2-Dichloropropane	7.20	77	203390	53.361	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	138380	50.069	ug/l	99
28) Bromochloromethane	7.54	49	71709	48.009	ug/l	96
29) Tetrahydrofuran	7.56	42	91075	227.955	ug/l	98
30) Chloroform	7.71	83	233396	52.267	ug/l	99
31) Cyclohexane	7.98	56	177529	43.854	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	223781	53.448	ug/l	99
36) 1,1-Dichloropropene	8.11	75	175760	50.674	ug/l	98
37) Ethyl Acetate	7.29	43	61197	44.532	ug/l	98
38) Carbon Tetrachloride	8.09	117	210417	54.402	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	204781	48.841	ug/l	97
40) Benzene	8.34	78	471557	49.010	ug/l	97
41) Methacrylonitrile	7.51	41	39977	49.476	ug/l	95
42) 1,2-Dichloroethane	8.42	62	148620	52.579	ug/l	98
43) Isopropyl Acetate	8.44	43	130696	48.269	ug/l	99
44) Trichloroethene	9.11	130	148452	51.202	ug/l	100
45) 1,2-Dichloropropane	9.38	63	116290	49.417	ug/l	93
46) Dibromomethane	9.47	93	65290	50.370	ug/l	97
47) Bromodichloromethane	9.66	83	181009	52.836	ug/l	94
48) Methyl methacrylate	9.45	41	63665	46.048	ug/l	90
49) 1,4-Dioxane	9.46	88	15086	905.898	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	335926	241.532	ug/l	99
52) Toluene	10.40	92	318805	50.354	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	169748	52.211	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	196449	51.572	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	92139	49.365	ug/l	96
56) Ethyl methacrylate	10.66	69	114321	50.986	ug/l	95
57) 1,3-Dichloropropane	10.94	76	154354	49.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	264555	262.308	ug/l	98
59) 2-Hexanone	10.98	43	237331	243.143	ug/l	98
60) Dibromochloromethane	11.14	129	131853	51.169	ug/l	99
61) 1,2-Dibromoethane	11.24	107	92685	51.635	ug/l	96
64) Tetrachloroethene	10.87	164	132483	52.324	ug/l	97
65) Chlorobenzene	11.67	112	346886	51.823	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	140002	53.456	ug/l	99
67) Ethyl Benzene	11.74	91	624004	53.796	ug/l	98
68) m/p-Xylenes	11.86	106	472938	105.235	ug/l	97
69) o-Xylene	12.18	106	217198	53.129	ug/l	98
70) Styrene	12.20	104	388458	54.219	ug/l	98
71) Bromoform	12.36	173	80424	51.829	ug/l #	99
73) Isopropylbenzene	12.48	105	627162	55.934	ug/l	99
74) N-amyl acetate	12.28	43	125382	50.781	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	94403	49.376	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	63583m	45.392	ug/l	
77) Bromobenzene	12.76	156	153496	53.181	ug/l	98
78) n-propylbenzene	12.82	91	722639	55.444	ug/l	99
79) 2-Chlorotoluene	12.91	91	405430	54.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	531042	56.632	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31987	50.479	ug/l	94
82) 4-Chlorotoluene	13.01	91	428545	54.459	ug/l	100
83) tert-Butylbenzene	13.23	119	459299	55.696	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	519706	55.380	ug/l	100
85) sec-Butylbenzene	13.40	105	618625	55.562	ug/l	99
86) p-Isopropyltoluene	13.52	119	589019	56.405	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	289722	53.408	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	284820	52.647	ug/l	98
89) n-Butylbenzene	13.85	91	529157	56.557	ug/l	99
90) Hexachloroethane	14.11	117	111837	53.698	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	250126	52.137	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17001	51.738	ug/l	97

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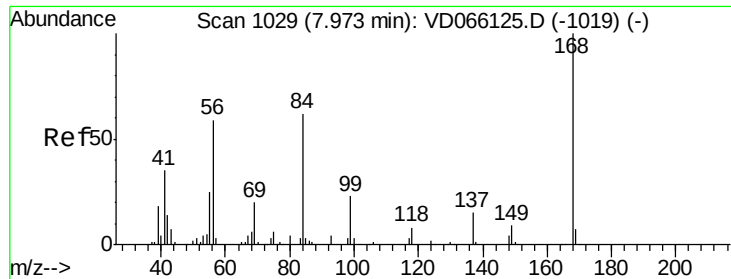
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	189852	53.700	ug/l	97
94) Hexachlorobutadiene	15.27	225	116160	55.795	ug/l	99
95) Naphthalene	15.41	128	318065	55.213	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	170752	54.711	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 259001

Ion Ratio Lower Upper

168 100

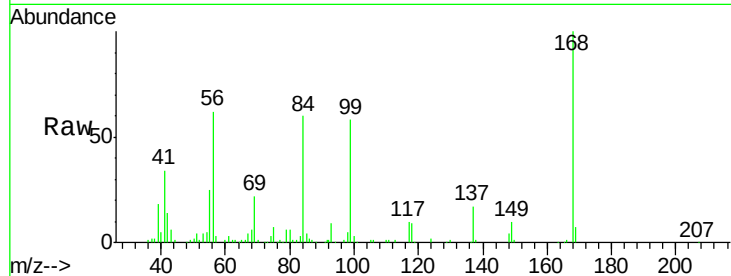
99 57.6 42.2 63.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

60000

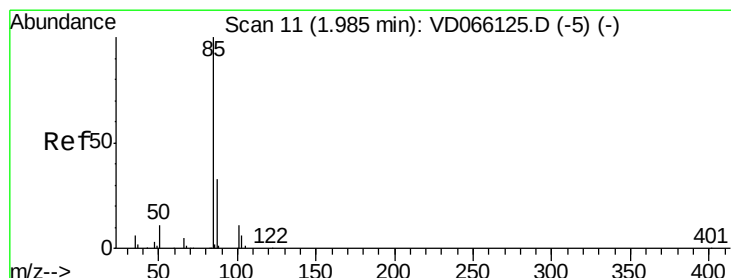
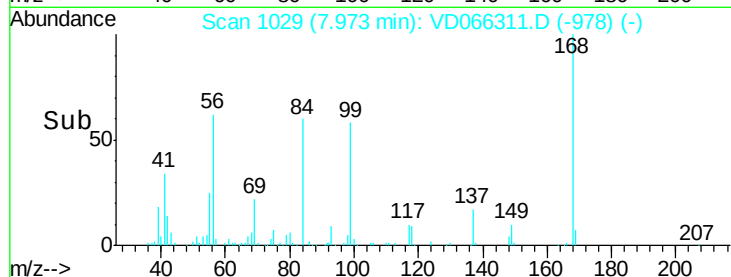
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.443 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066311.D

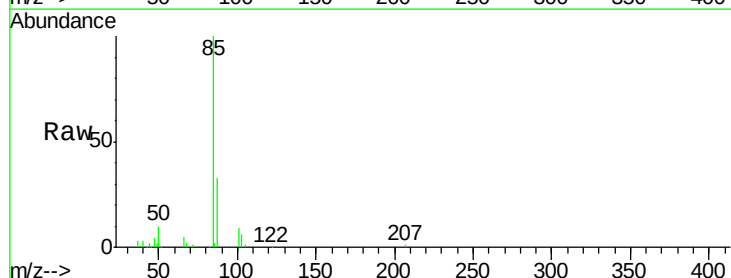
Acq: 19 Aug 2020 11:16

Tgt Ion: 85 Resp: 94569

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

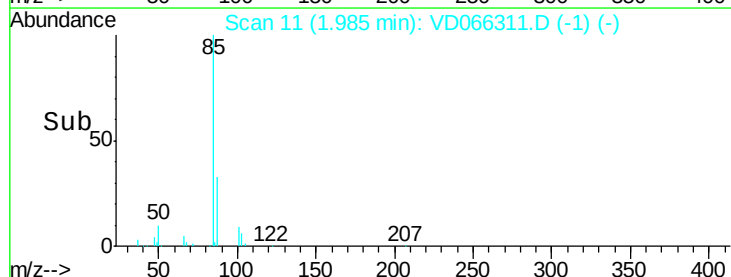
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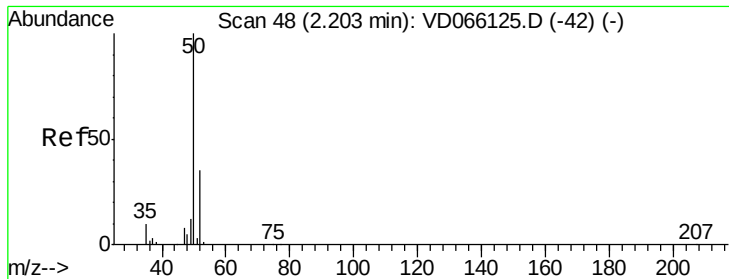
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.592 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73828

Ion Ratio Lower Upper

50 100

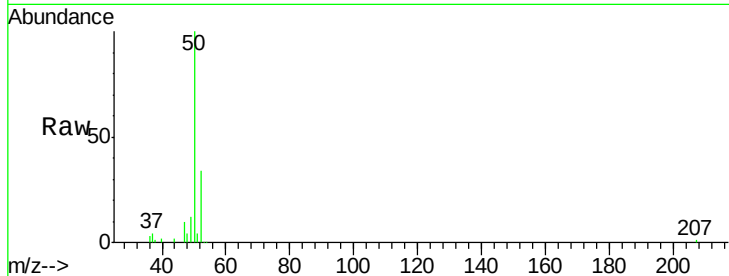
52 33.7 27.9 41.9

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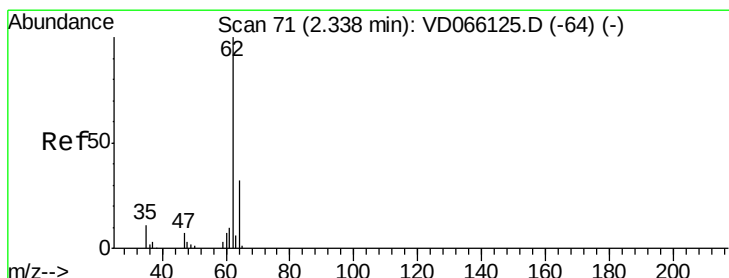
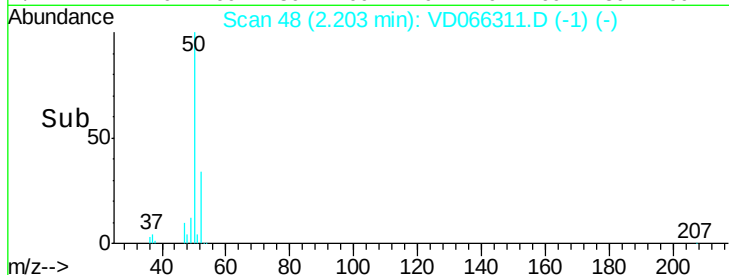


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

Time-->



#4

Vinyl Chloride

Concen: 48.725 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066311.D

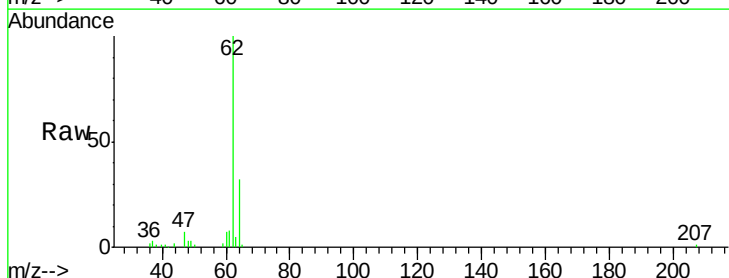
Acq: 19 Aug 2020 11:16

Tgt Ion: 62 Resp: 76572

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8

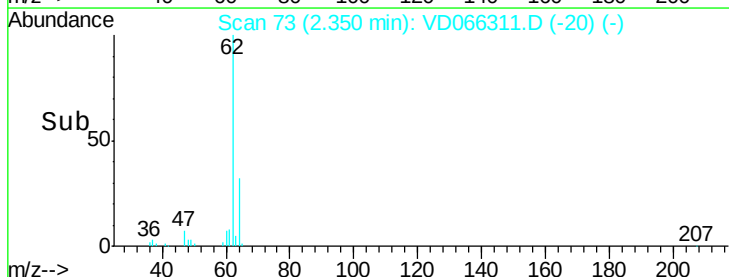


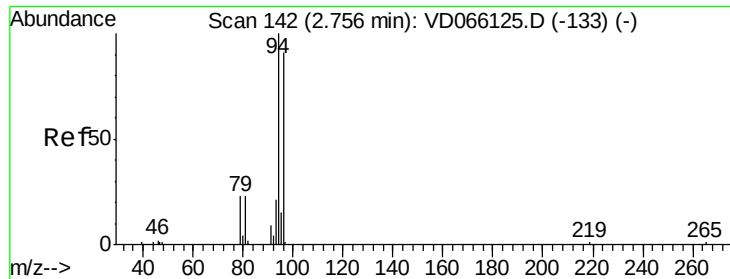
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

Time-->





#5

Bromomethane

Concen: 51.073 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 53250

Ion Ratio Lower Upper

94 100

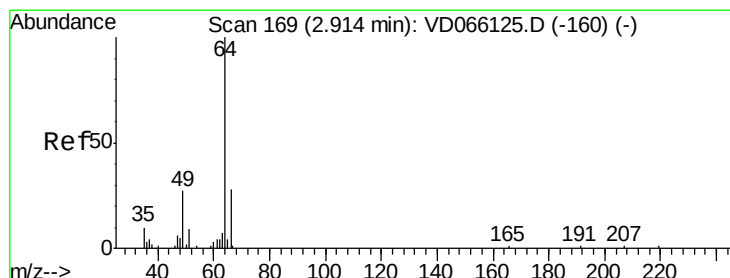
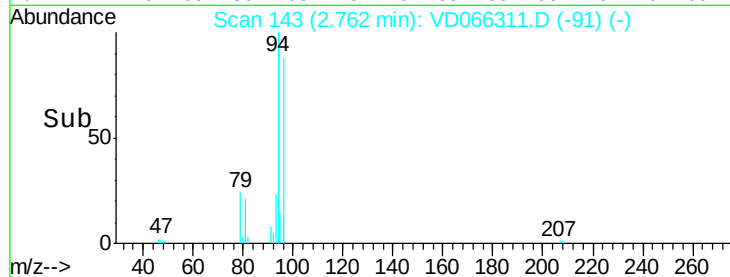
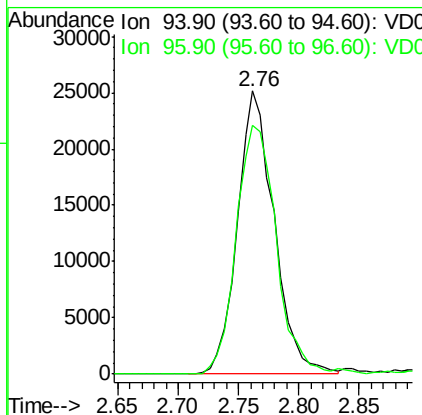
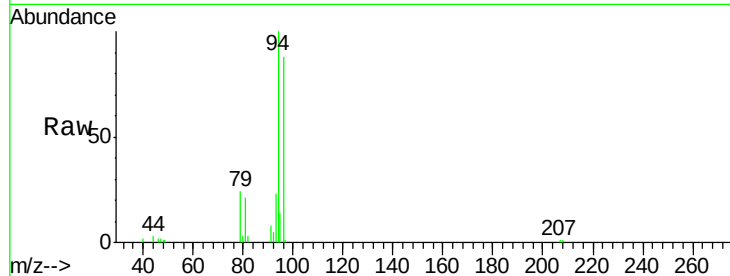
96 88.0 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 50.794 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066311.D

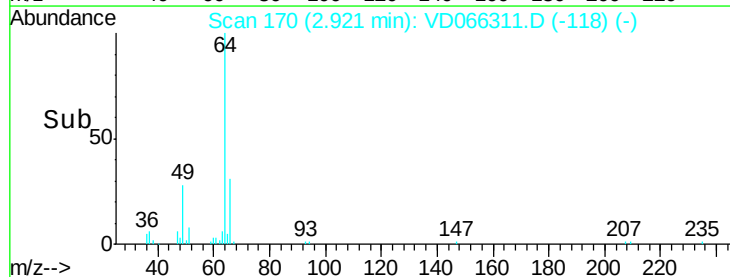
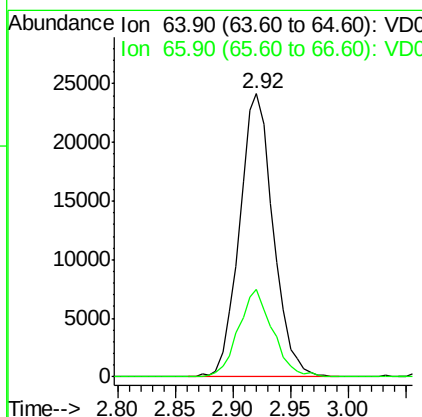
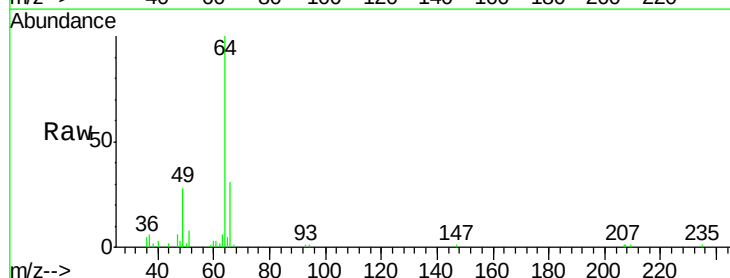
Acq: 19 Aug 2020 11:16

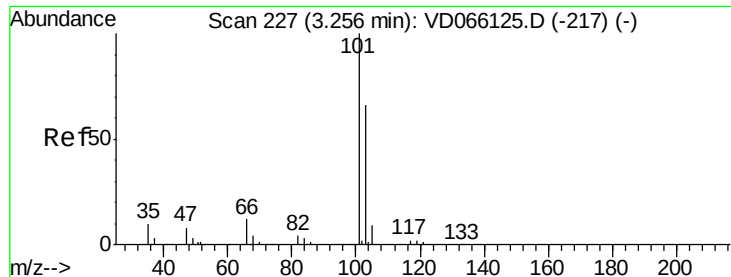
Tgt Ion: 64 Resp: 48999

Ion Ratio Lower Upper

64 100

66 30.9 22.0 33.0





#7

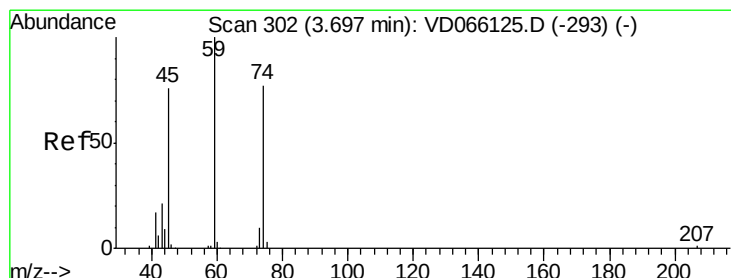
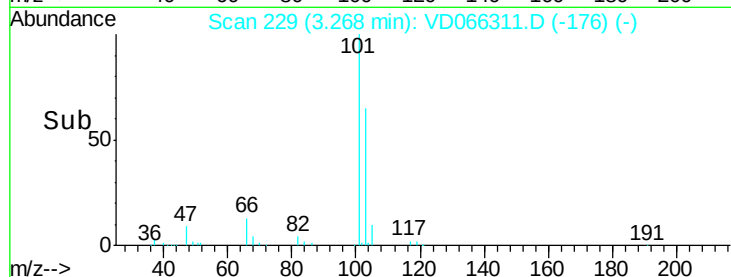
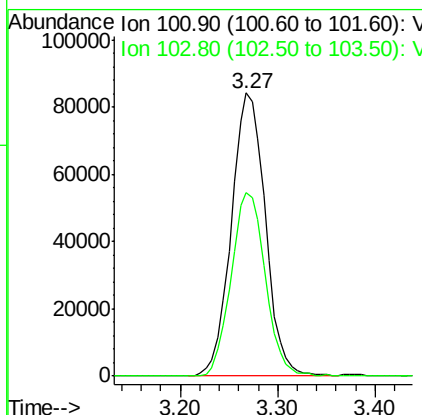
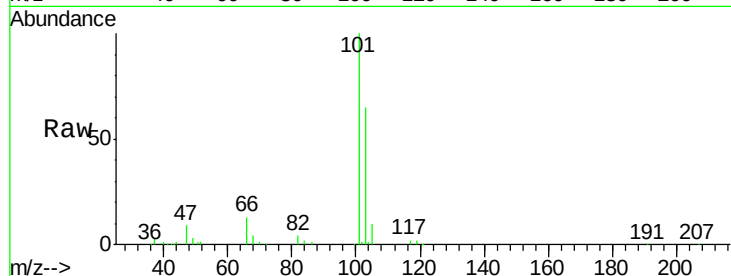
Trichlorofluoromethane
 Concen: 49.909 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	204479		
103	65.1	53.0	79.6	

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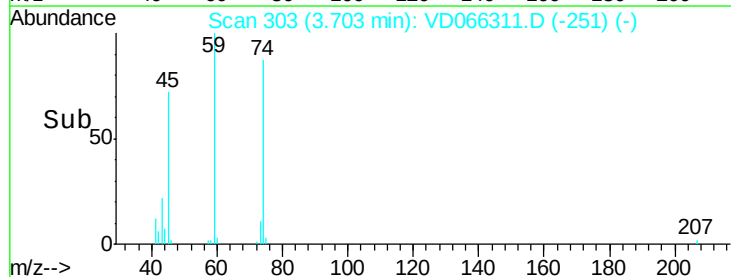
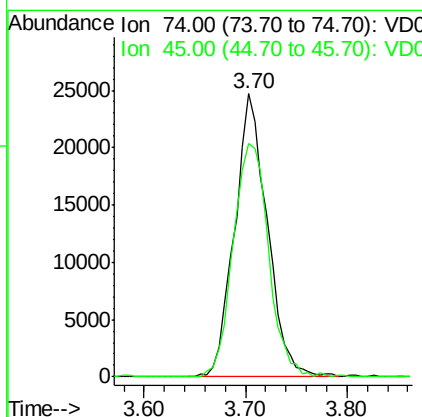
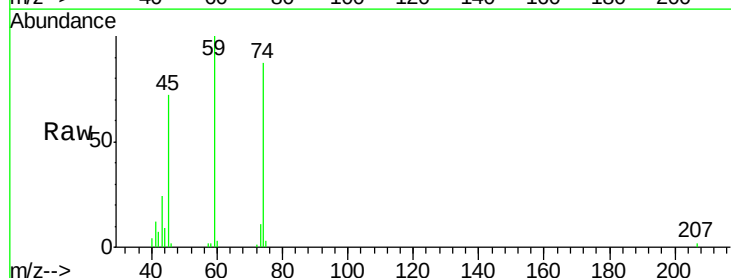
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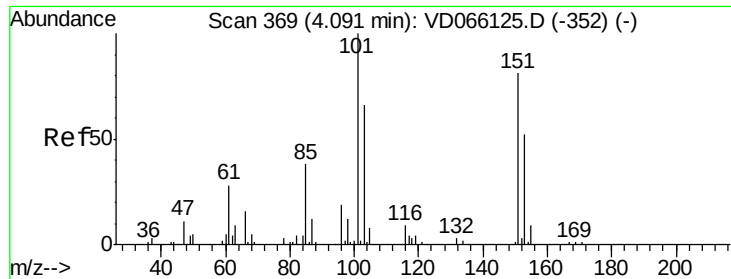


#8

Diethyl Ether
 Concen: 47.741 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55191		
45	89.2	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.880 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

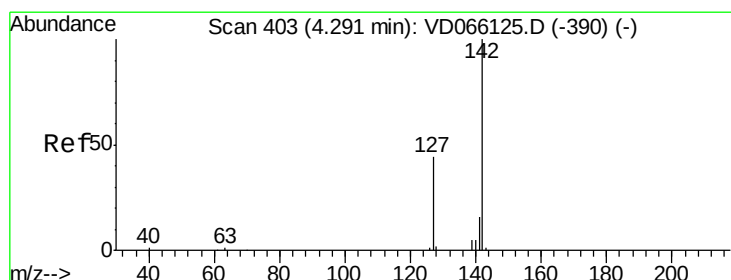
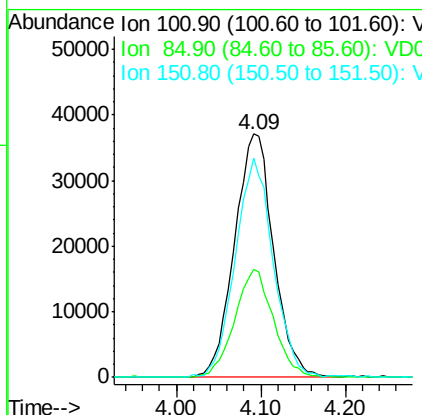
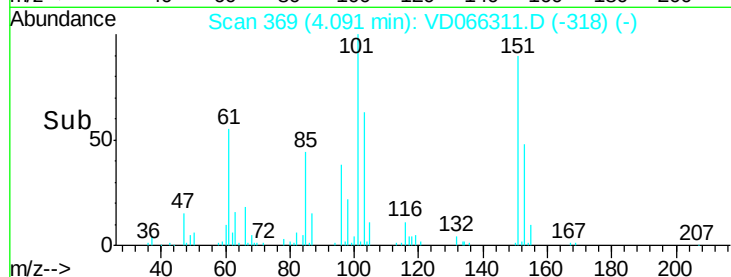
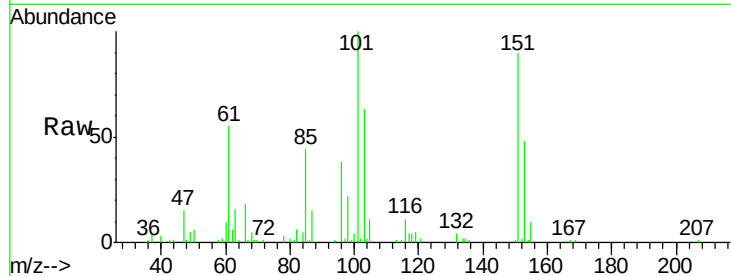
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	118851
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.5	50.3
151	87.3	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 56.223 ug/l

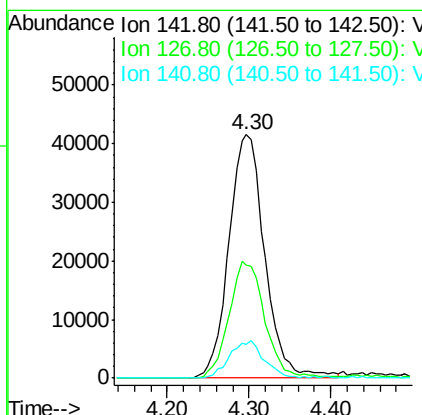
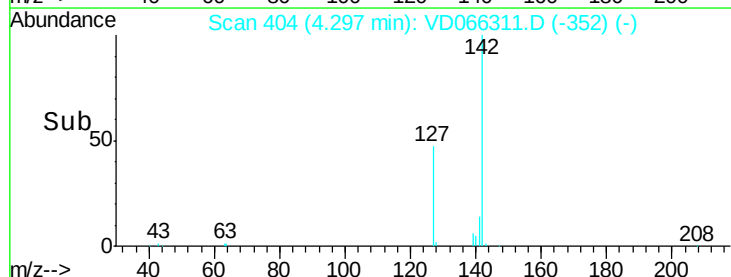
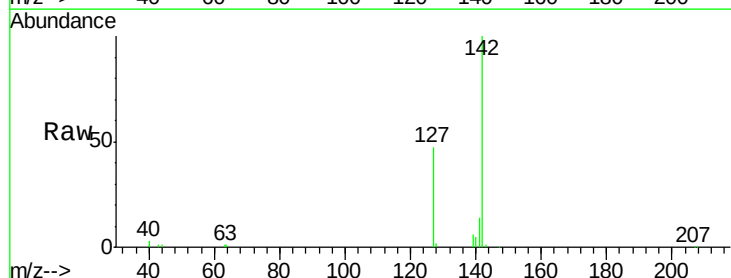
RT: 4.30 min Scan# 404

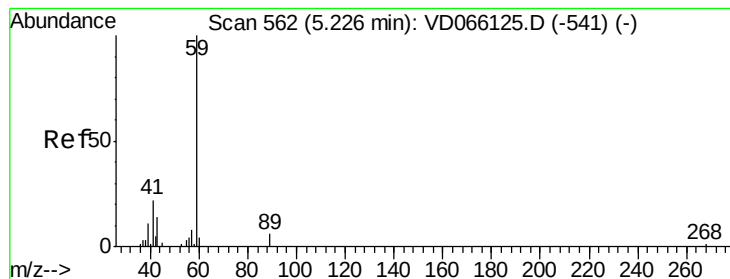
Delta R.T. 0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Tgt Ion:	142	Resp:	126595
Ion Ratio	Lower	Upper	
142	100		
127	48.2	36.2	54.4
141	14.6	12.6	18.8





#11

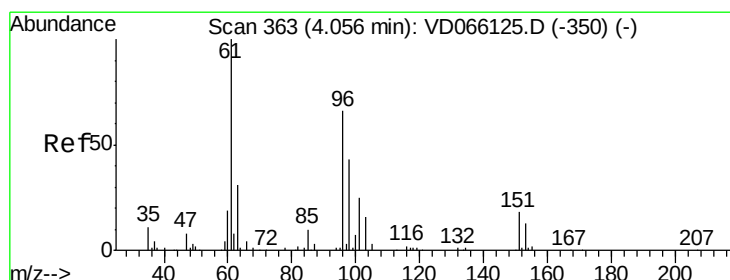
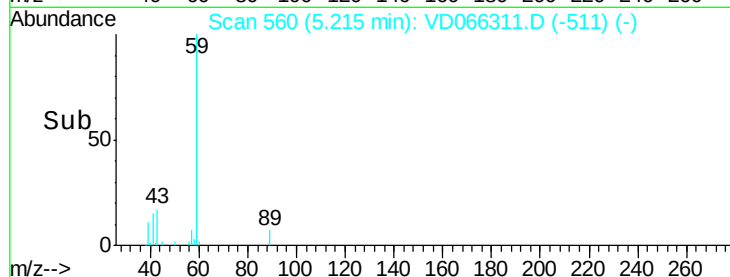
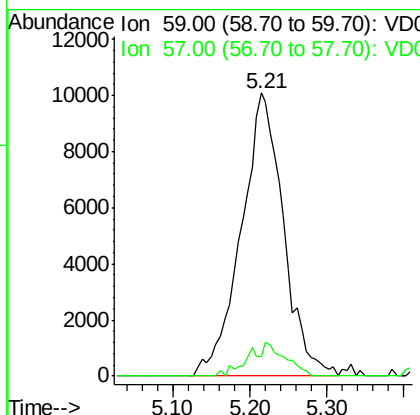
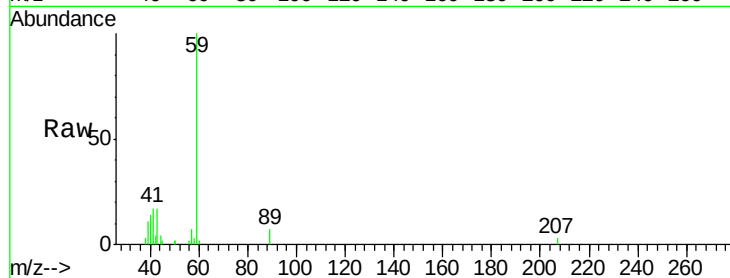
Tert butyl alcohol
 Concen: 219.004 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	7.0	10.4#

Manual Integrations
 APPROVED

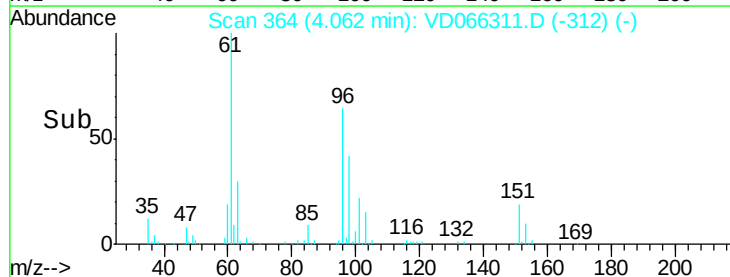
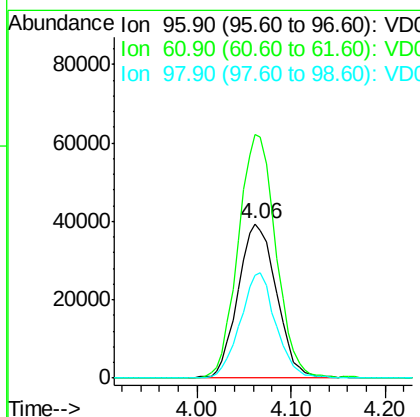
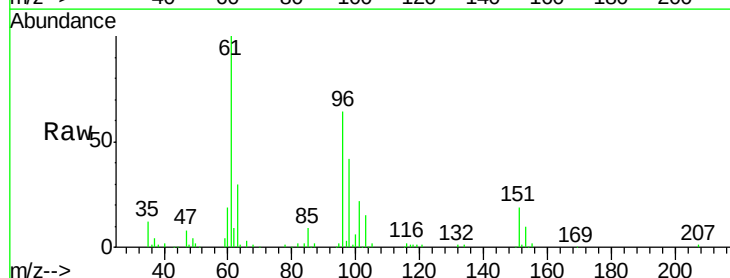
MMDadoda
 8/20/2020 3:36:48 PM

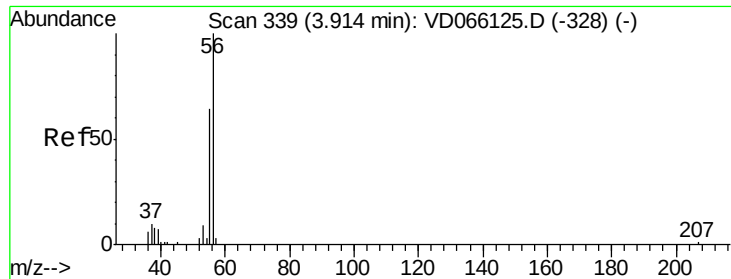


#12

1,1-Dichloroethene
 Concen: 48.784 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	121.6	182.4
98	66.4	52.0	78.0





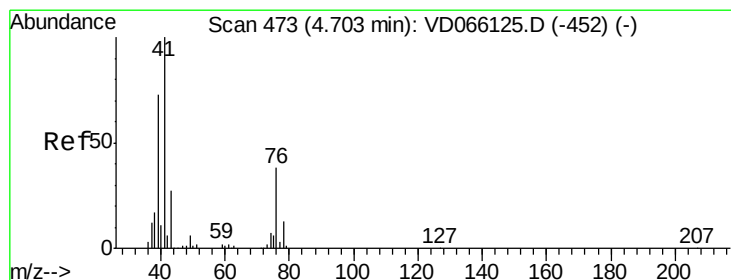
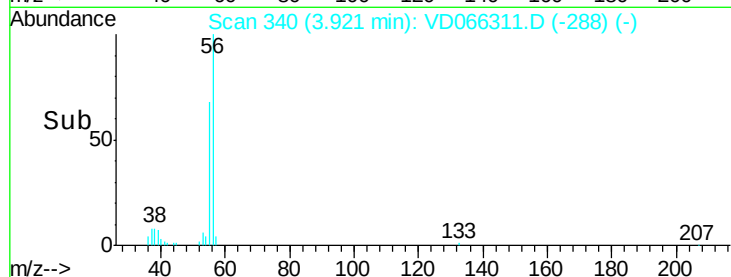
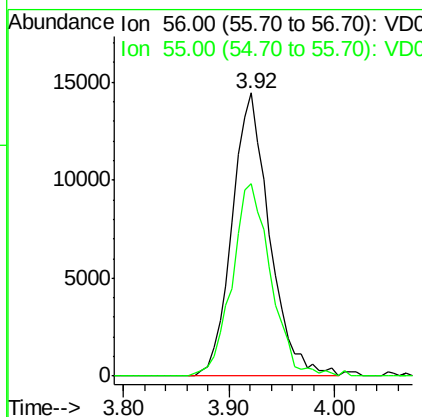
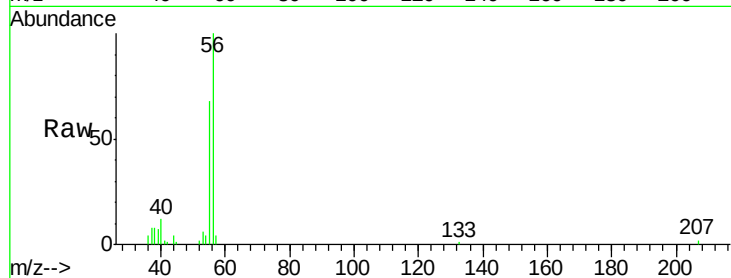
#13
Acrolein
Concen: 192.643 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	35432
Ion Ratio	100	Lower	Upper
55	70.2	56.7	85.1

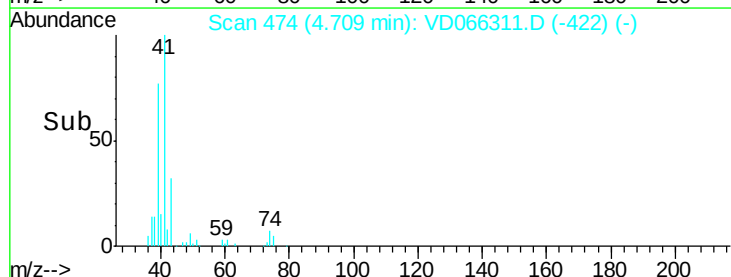
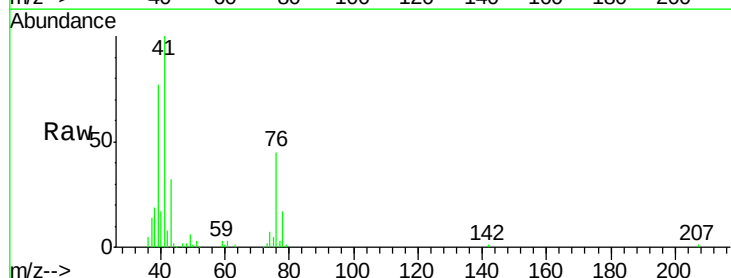
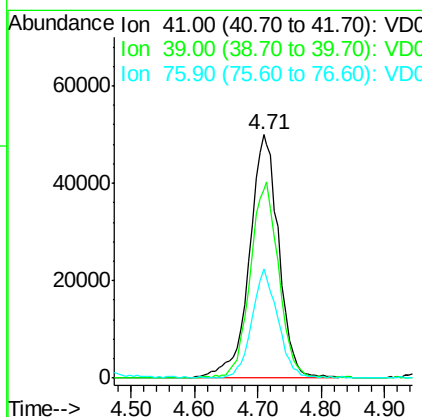
Manual Integrations
APPROVED

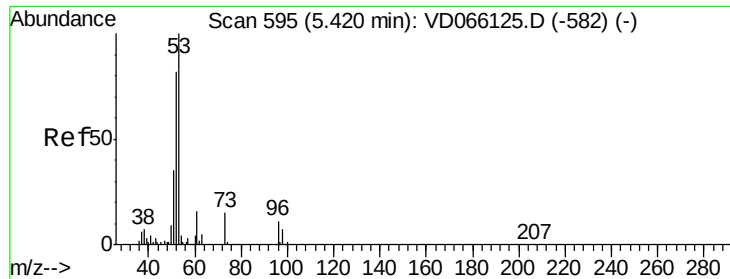
MMDadoda
8/20/2020 3:36:48 PM



#14
Allyl chloride
Concen: 46.489 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	41	Resp	161549
Ion Ratio	100	Lower	Upper
39	78.1	57.4	86.0
76	39.9	30.1	45.1





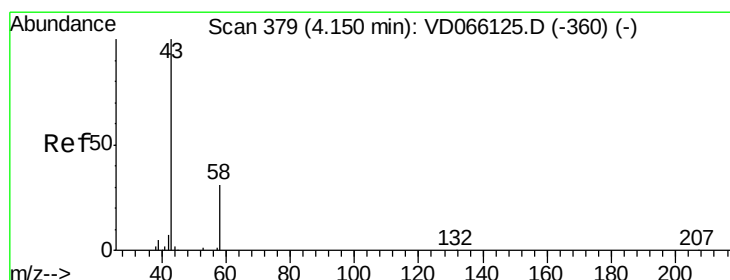
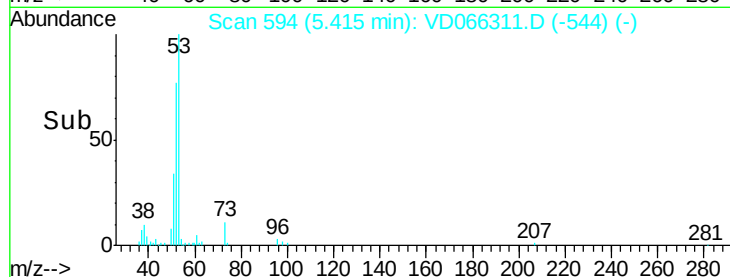
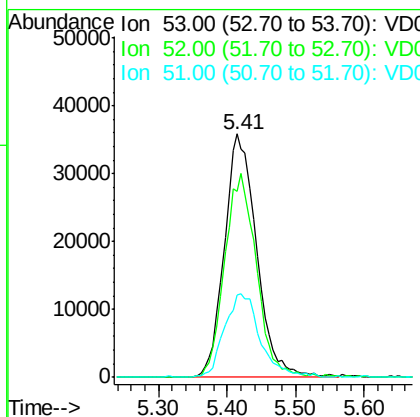
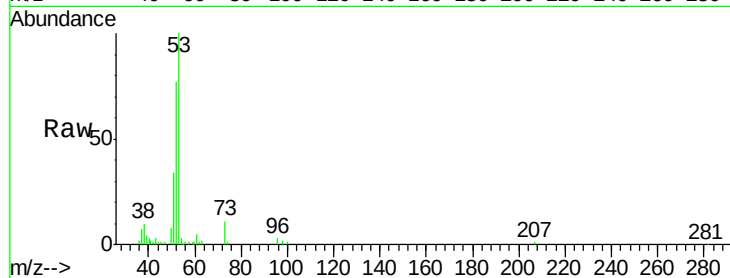
#15
 Acrylonitrile
 Concen: 239.569 ug/l
 RT: 5.41 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	116705
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.1	99.1
51	37.5	30.8	46.2

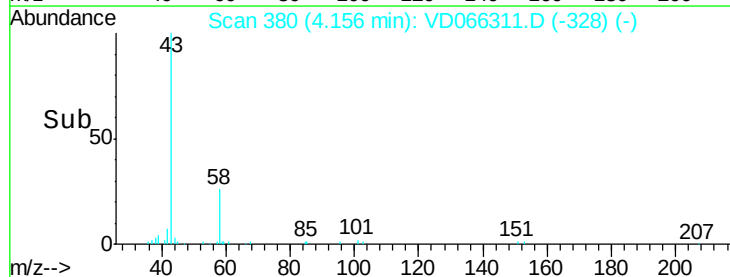
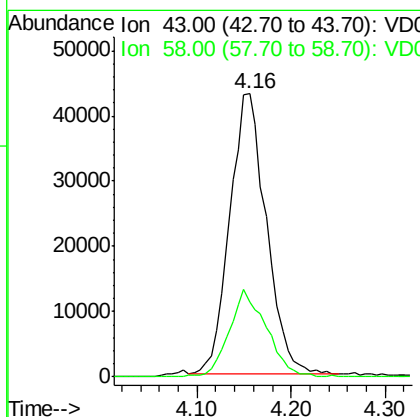
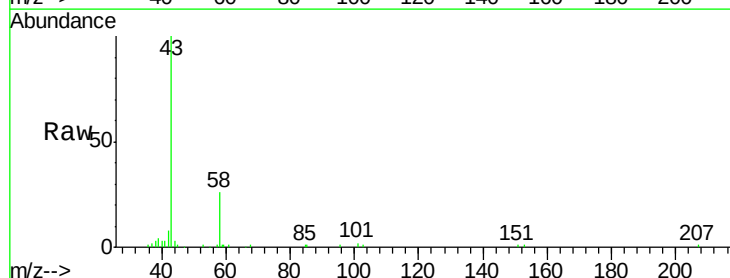
Manual Integrations
 APPROVED

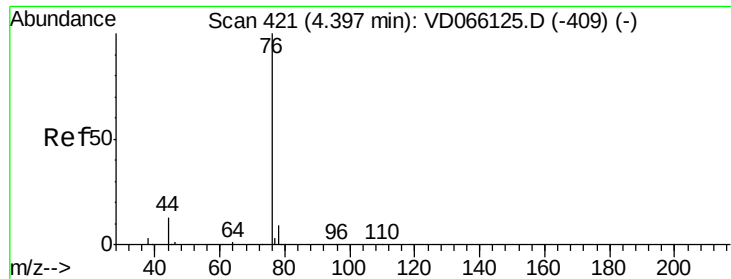
MMDadoda
 8/20/2020 3:36:48 PM



#16
 Acetone
 Concen: 265.531 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion:	43	Resp:	116418
Ion Ratio	Lower	Upper	
43	100		
58	26.5	24.7	37.1





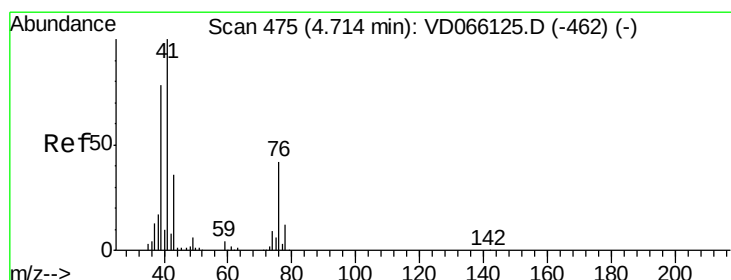
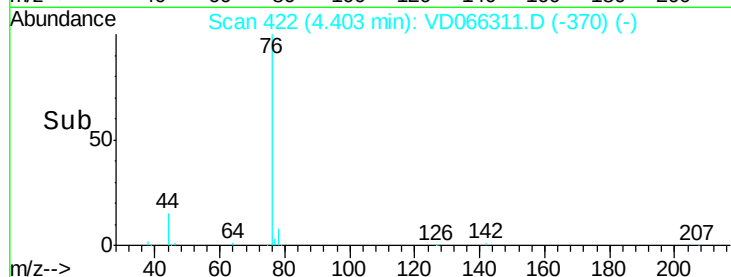
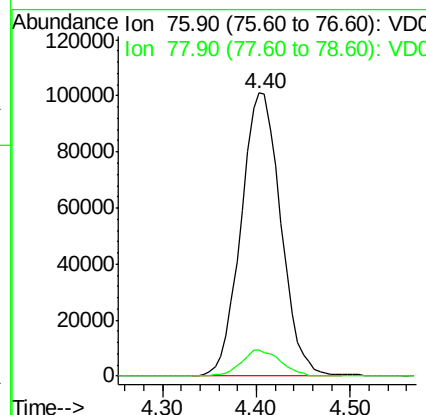
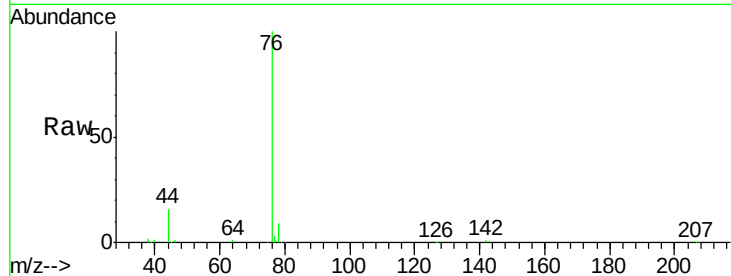
#17
Carbon Disulfide
Concen: 40.587 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	296005		
78	9.2		7.5	11.3

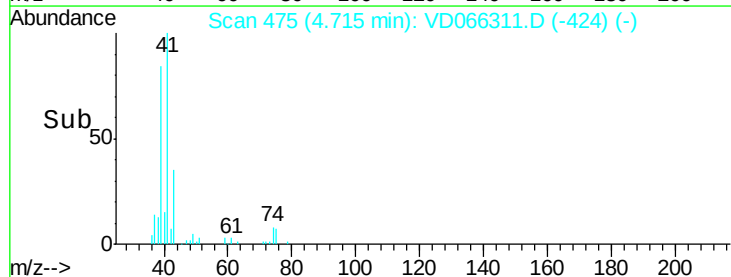
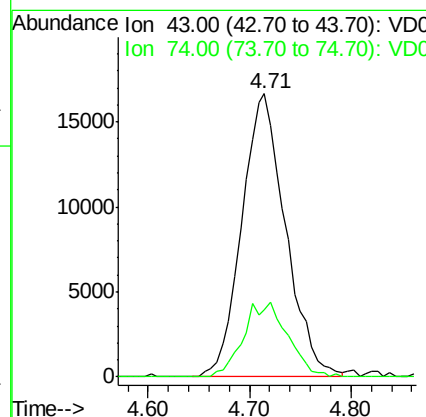
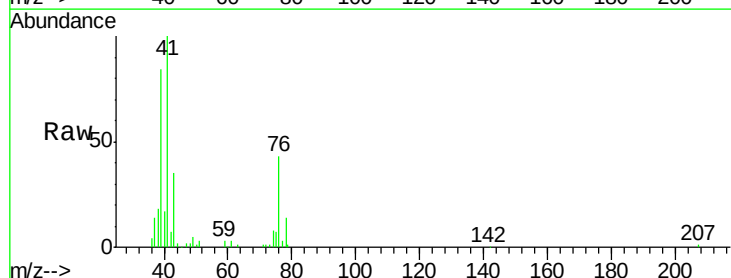
Manual Integrations
APPROVED

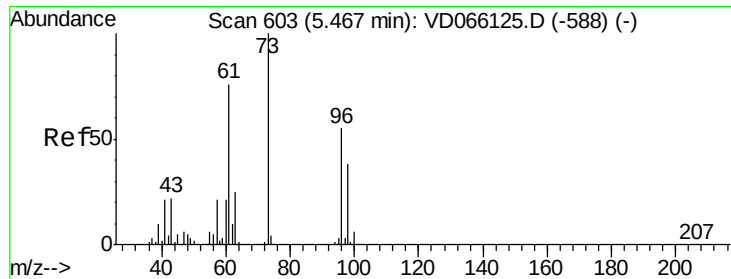
MMDadoda
8/20/2020 3:36:48 PM



#18
Methyl Acetate
Concen: 44.698 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	49777		
74	26.7		21.2	31.8





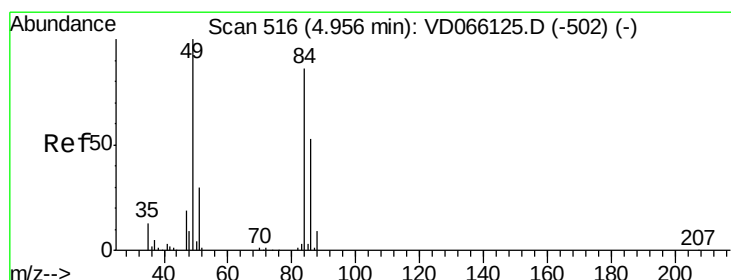
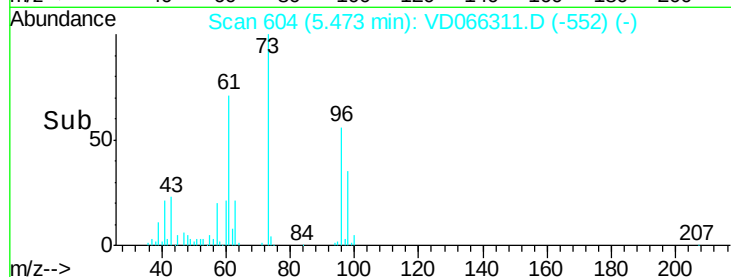
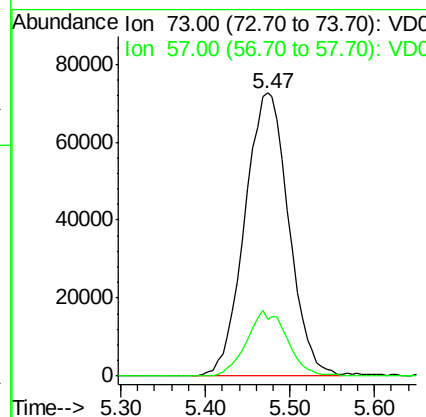
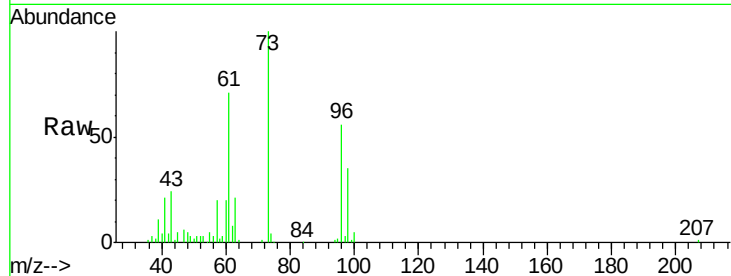
#19
Methyl tert-butyl Ether
Concen: 49.944 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 262573
Ion Ratio Lower Upper
73 100
57 20.2 17.1 25.7

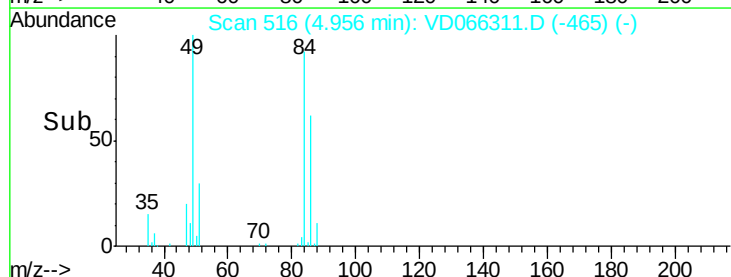
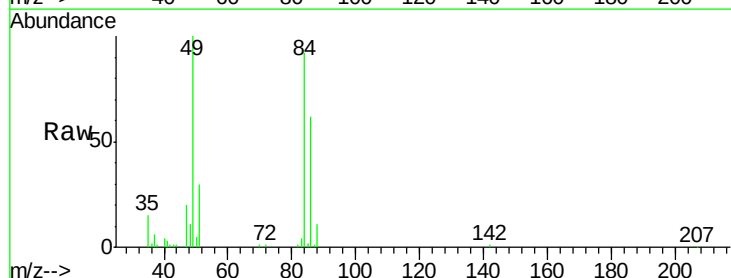
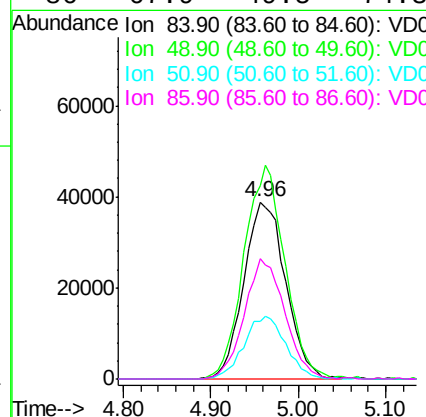
Manual Integrations
APPROVED

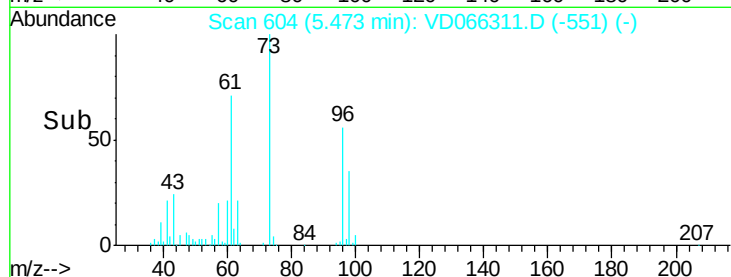
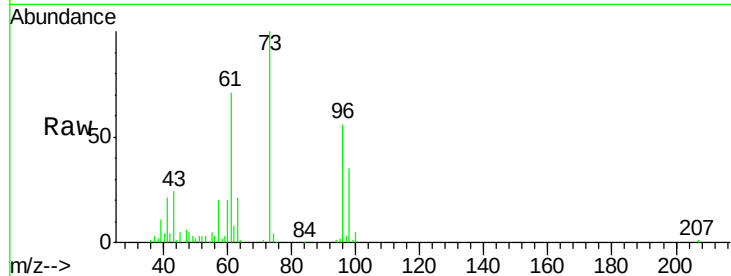
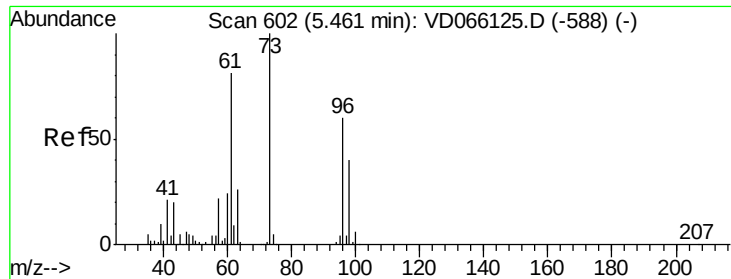
MMDadoda
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#20
Methylene Chloride
Concen: 50.331 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion: 84 Resp: 126650
Ion Ratio Lower Upper
84 100
49 108.7 93.5 140.3
51 32.7 28.2 42.4
86 67.9 49.5 74.3





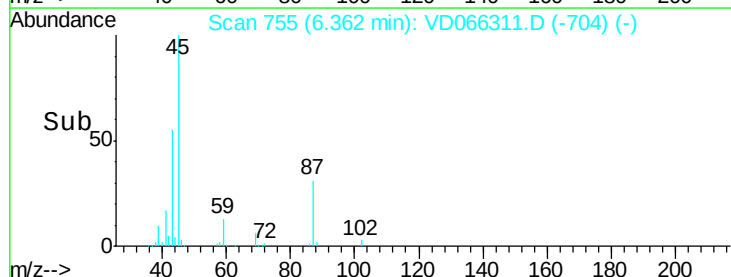
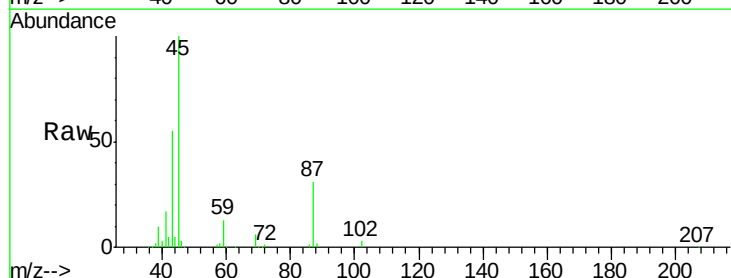
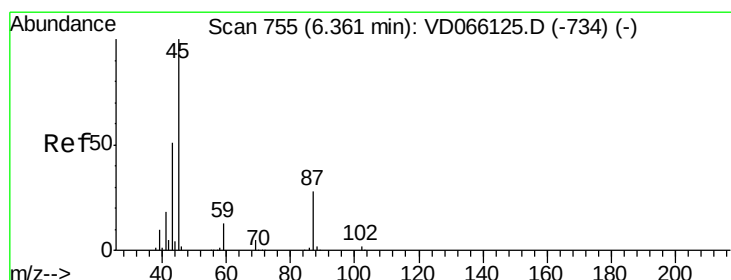
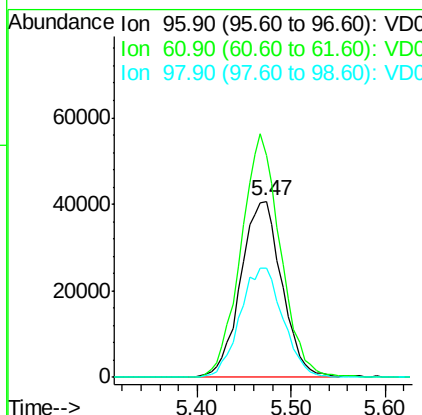
#21
trans-1,2-Dichloroethene
Concen: 46.822 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123375		
61	126.3	106.9	160.3	
98	62.3	53.4	80.0	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

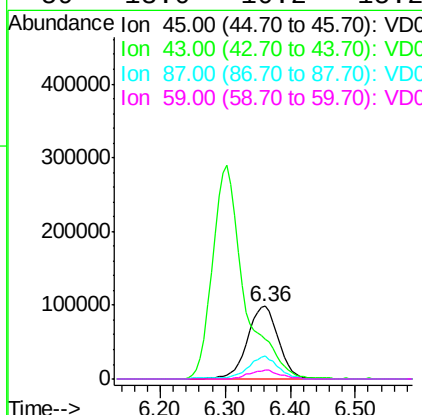
Manual Integrations
APPROVED

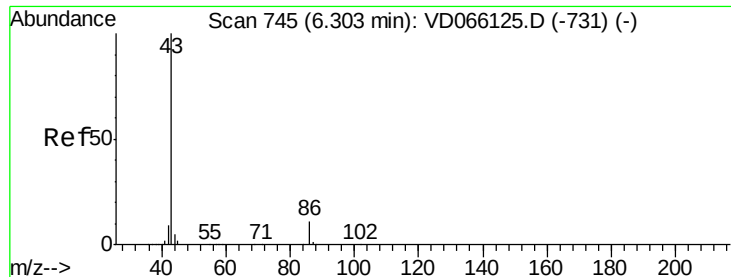
MMDadoda
8/20/2020 3:36:48 PM



#22
Diisopropyl ether
Concen: 47.554 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	326780		
43	54.5	41.2	61.8	
87	31.0	22.8	34.2	
59	13.0	10.2	15.2	





#23

Vinyl Acetate

Concen: 241.456 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 972046

Ion Ratio Lower Upper

43 100

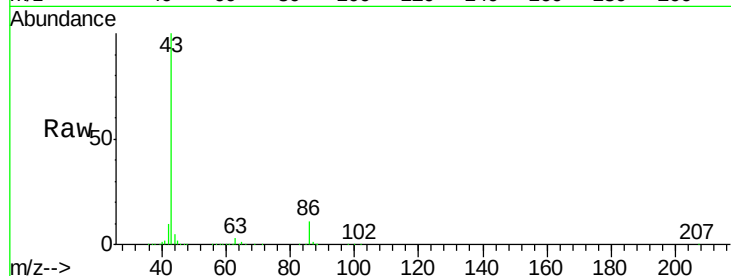
86 10.9 9.1 13.7

Manual Integrations

APPROVED

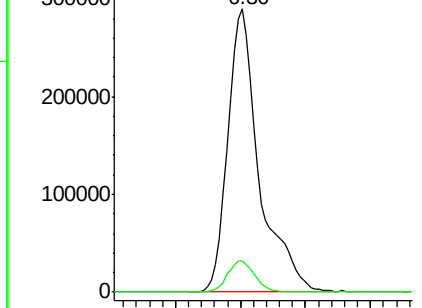
MMDadoda

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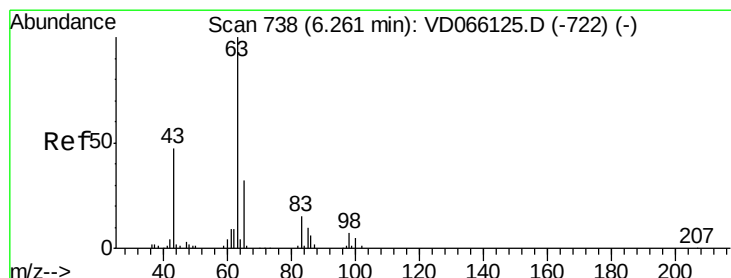
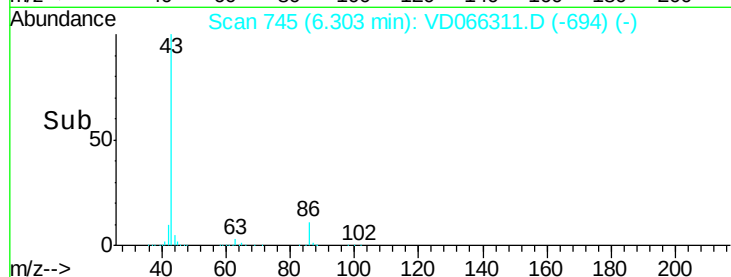


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 48.788 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

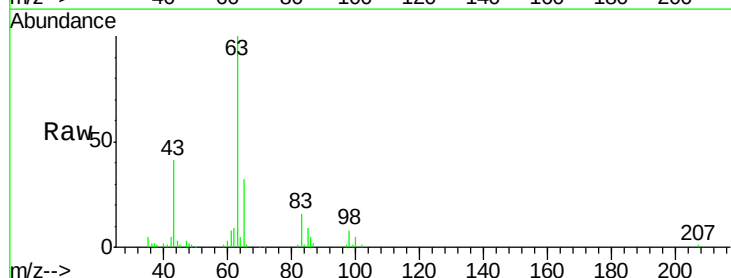
Tgt Ion: 63 Resp: 207482

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

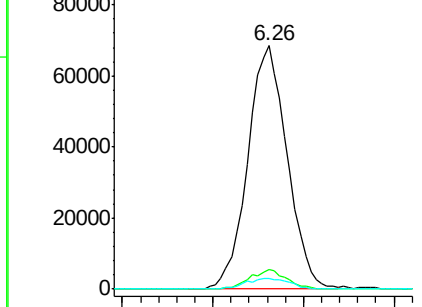
100 4.6 2.4 7.2



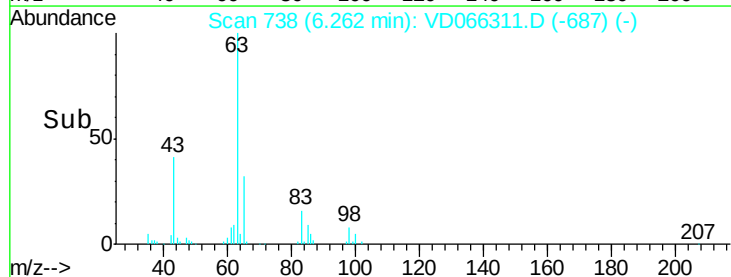
Abundance Ion 62.90 (62.60 to 63.60): VDC

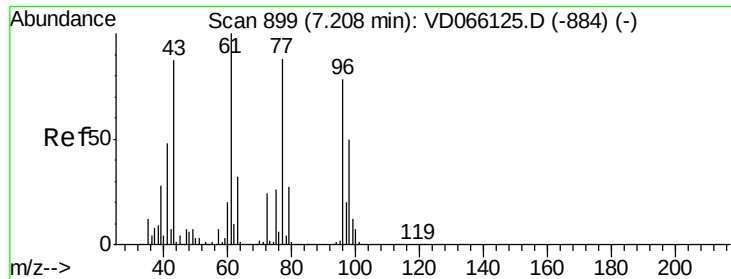
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 238.410 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 153740

Ion Ratio Lower Upper

43 100

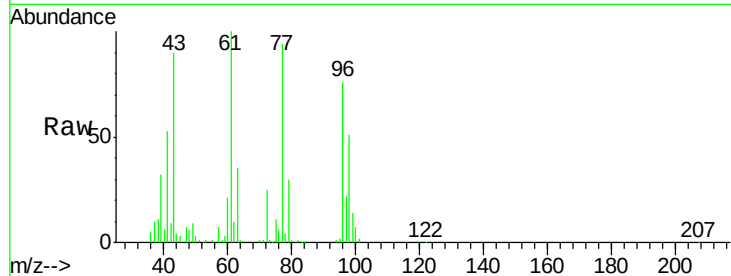
72 27.3 22.2 33.2

Manual Integrations

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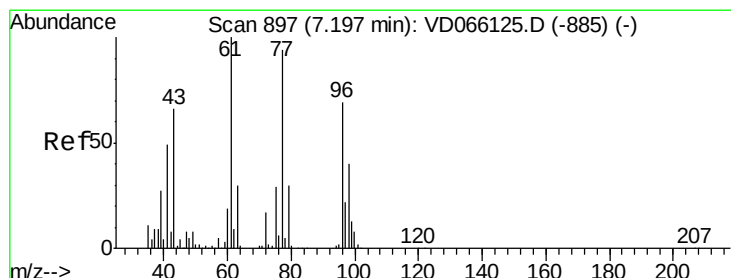
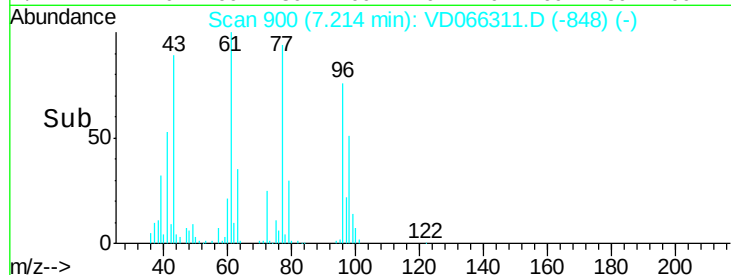
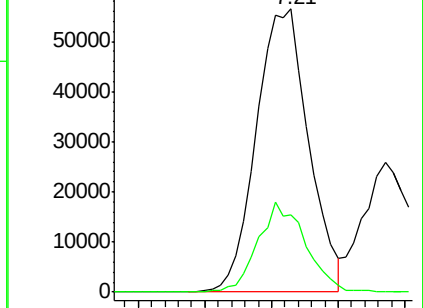
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.361 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066311.D

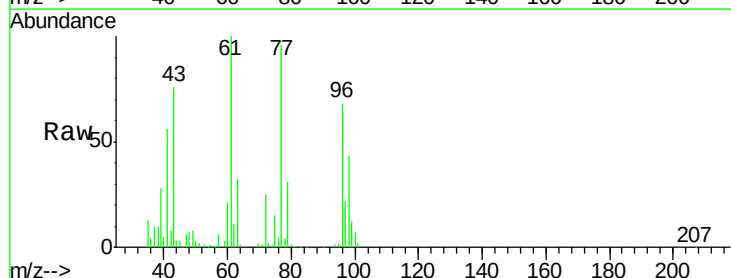
Acq: 19 Aug 2020 11:16

Tgt Ion: 77 Resp: 203390

Ion Ratio Lower Upper

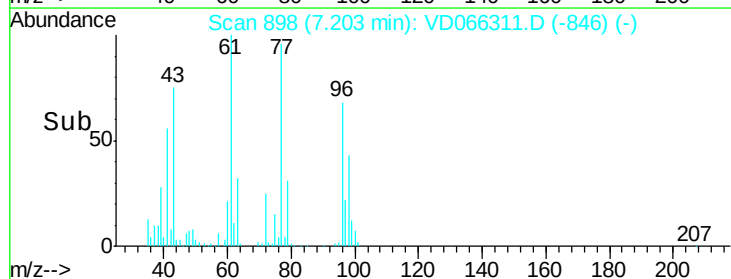
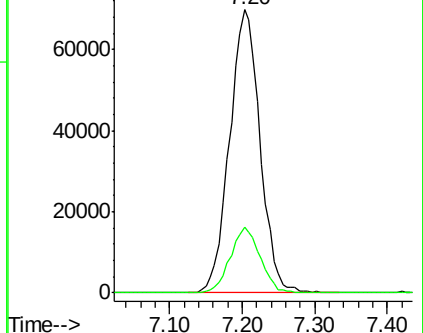
77 100

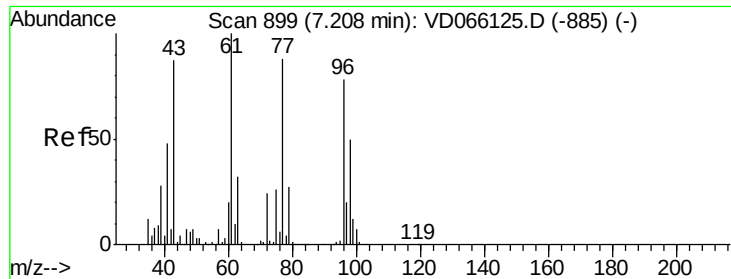
97 22.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

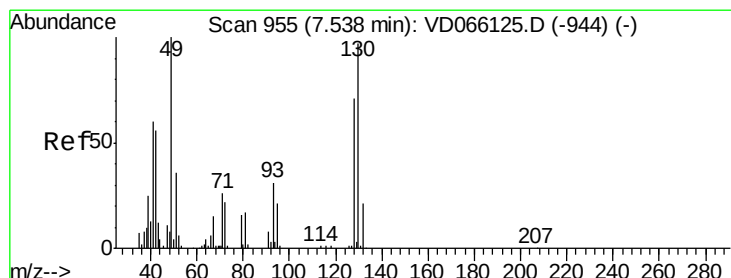
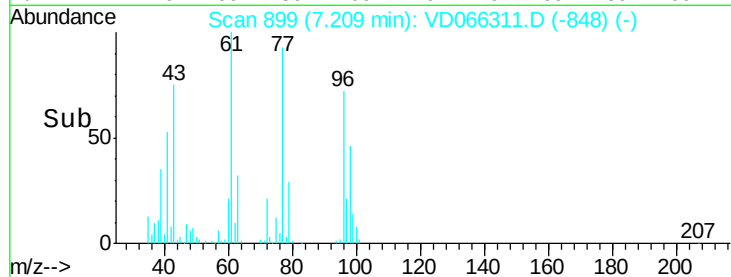
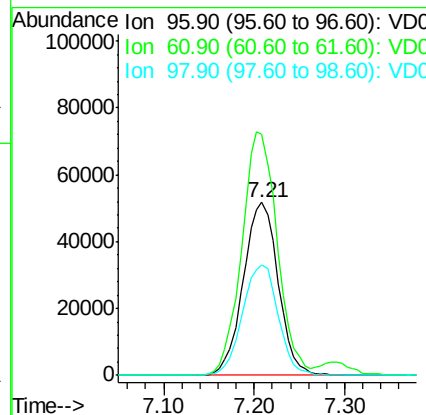
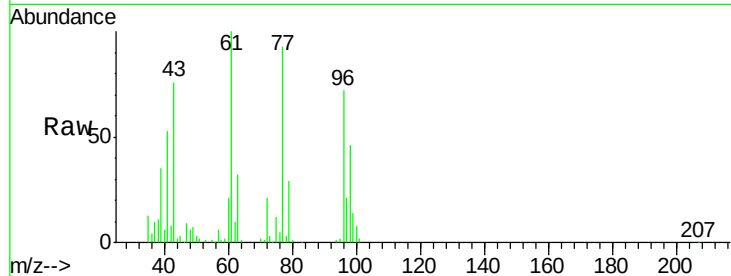
cis-1,2-Dichloroethene
Concen: 50.069 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138380		
61	143.0	0.0	281.6	
98	65.5	0.0	130.8	

Manual Integrations
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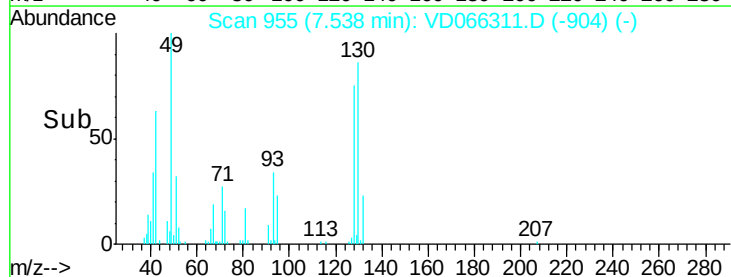
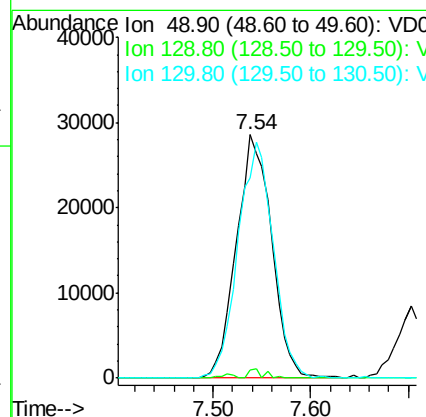
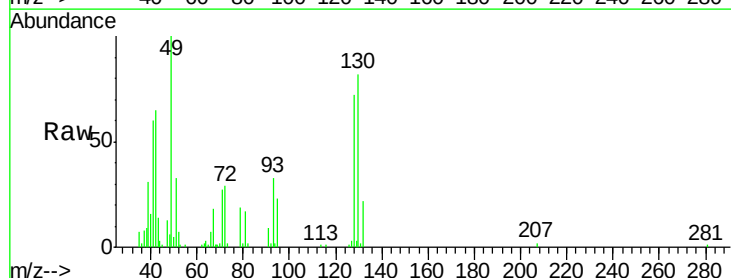
MMDadoda
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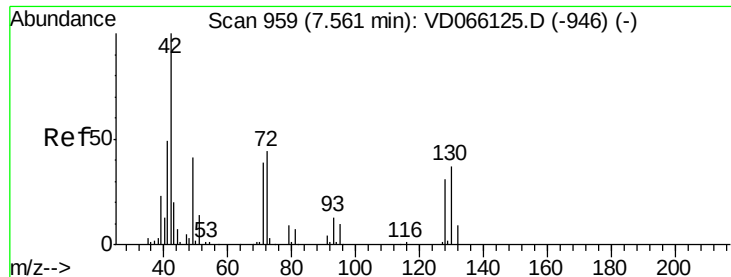


#28

Bromochloromethane
Concen: 48.009 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71709		
129	1.6	0.0	6.0	
130	96.4	73.8	110.6	





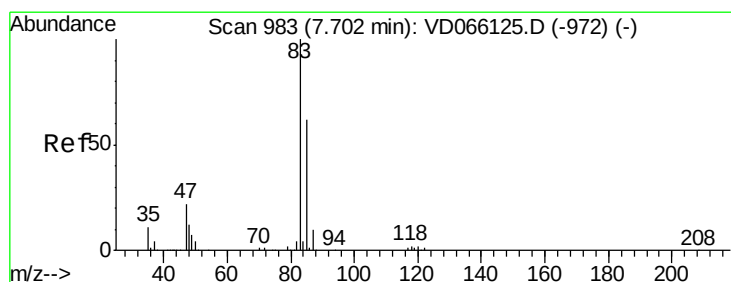
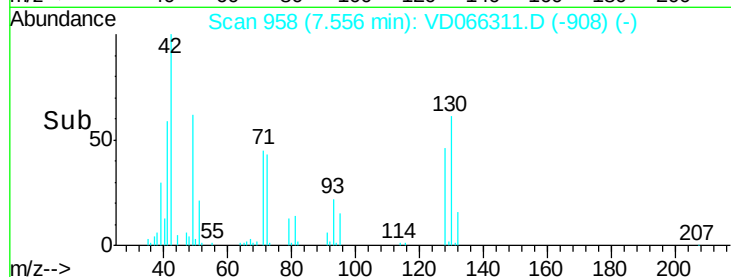
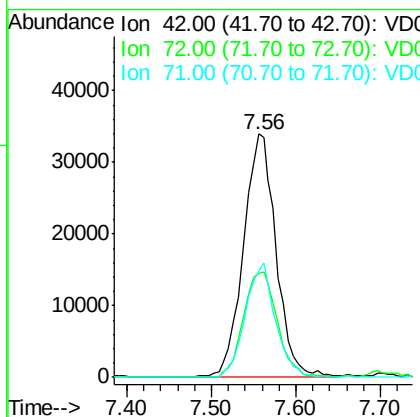
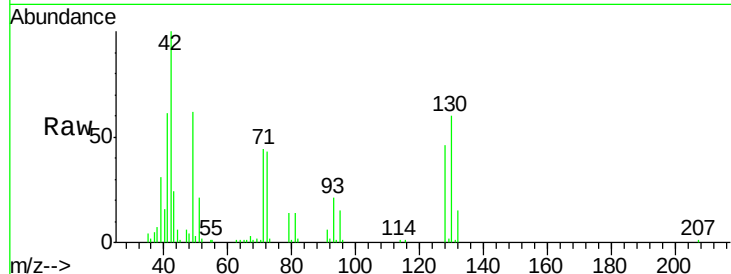
#29
Tetrahydrofuran
Concen: 227.955 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.8	52.2
71	43.5	33.5	50.3

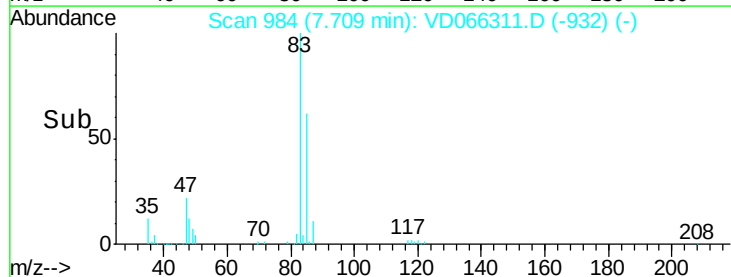
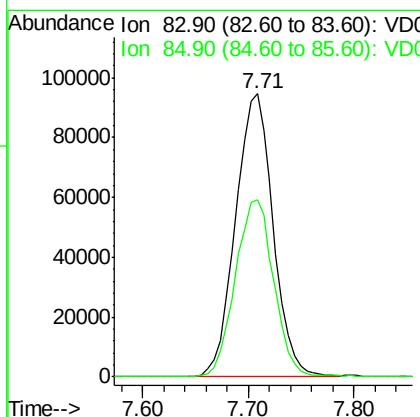
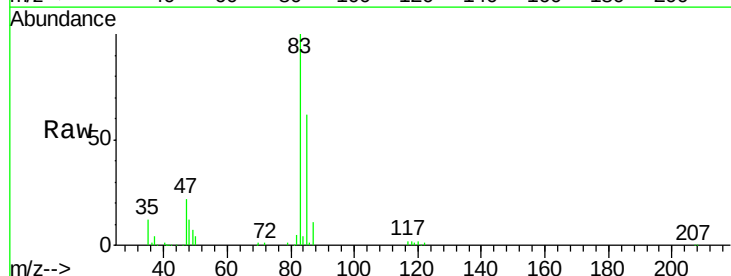
Manual Integrations
APPROVED

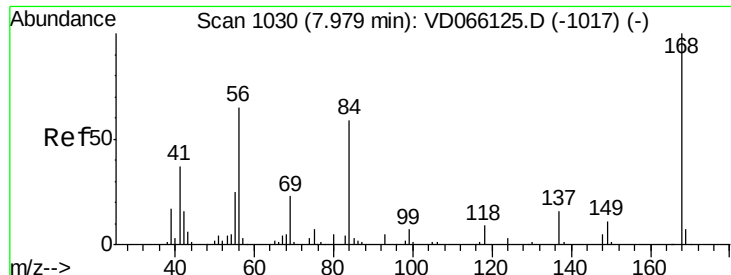
MMDadoda
8/20/2020 3:36:48 PM



#30
Chloroform
Concen: 52.267 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.5	74.3





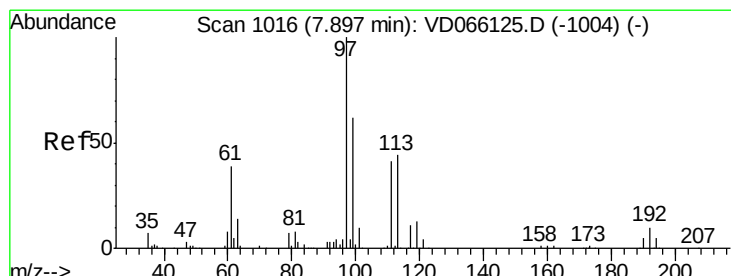
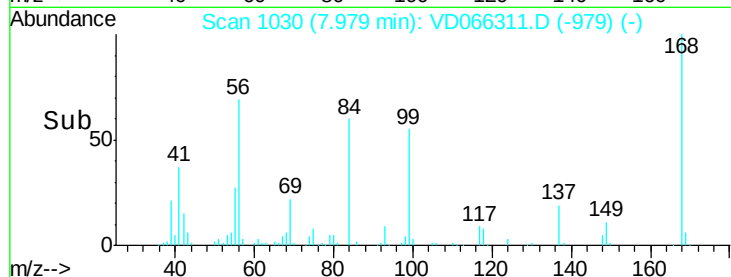
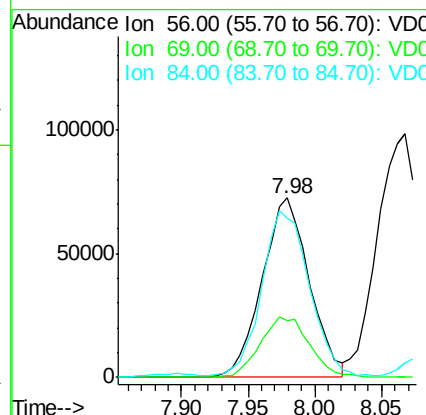
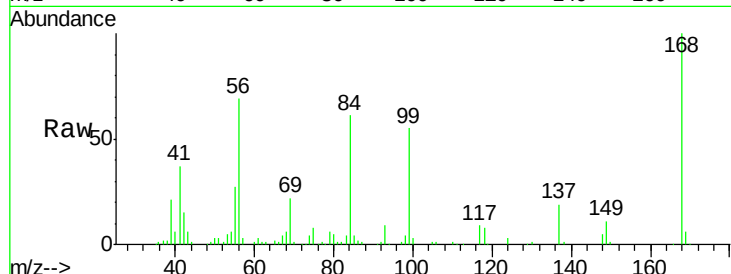
#31
Cyclohexane
Concen: 43.854 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	177529		
69	31.8		28.8	43.2
84	87.3		73.0	109.6

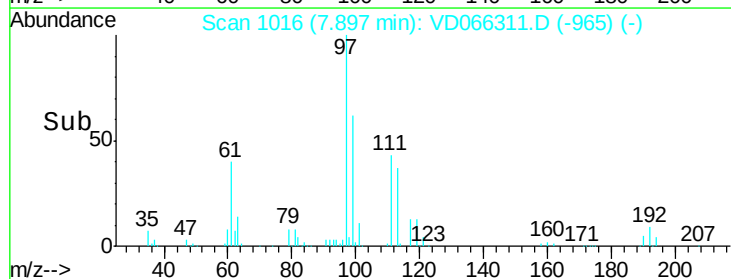
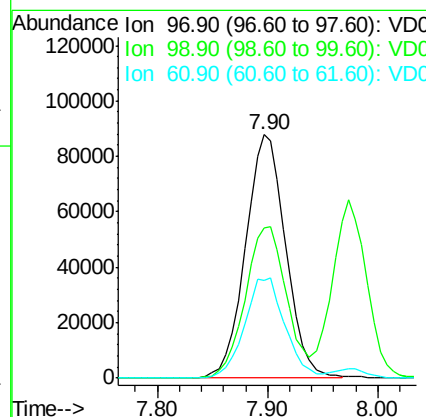
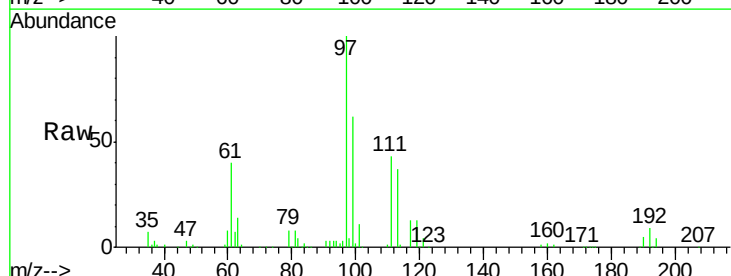
Manual Integrations
APPROVED

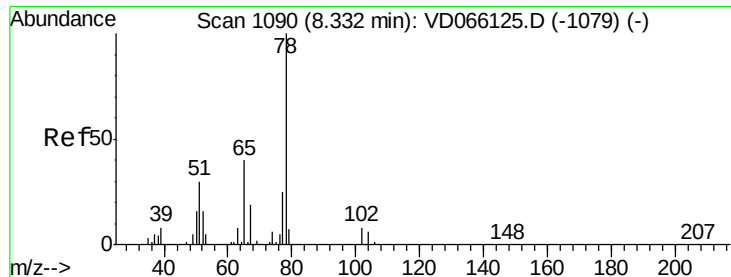
MMDadoda
8/20/2020 3:36:48 PM



#32
1,1,1-Trichloroethane
Concen: 53.448 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	223781		
99	64.3		51.1	76.7
61	41.4		32.7	49.1





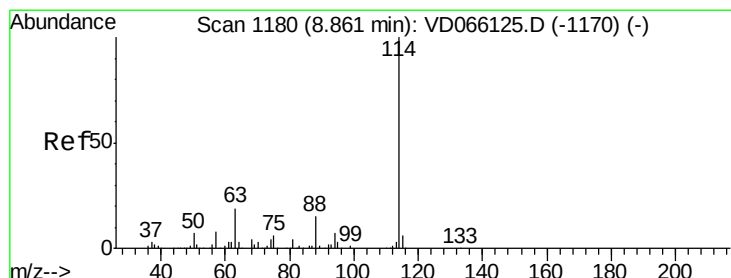
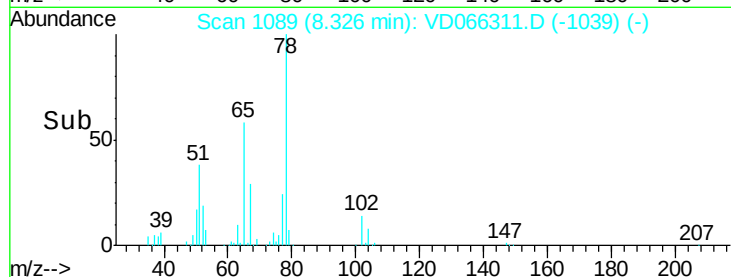
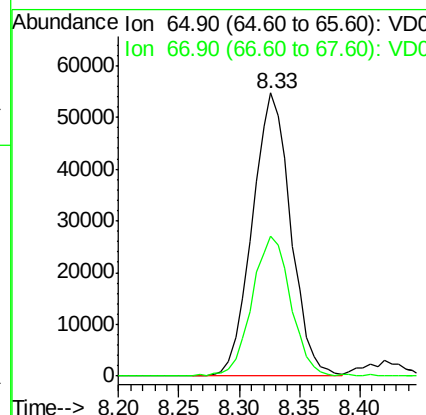
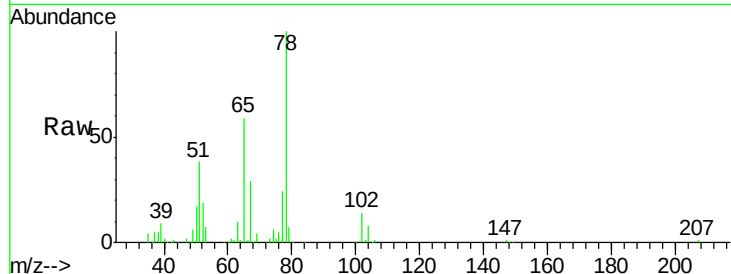
#33
 1,2-Dichloroethane-d4
 Concen: 52.429 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121146		
67	50.0	0.0	104.6	

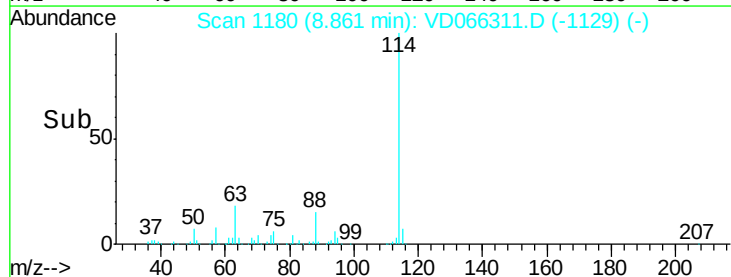
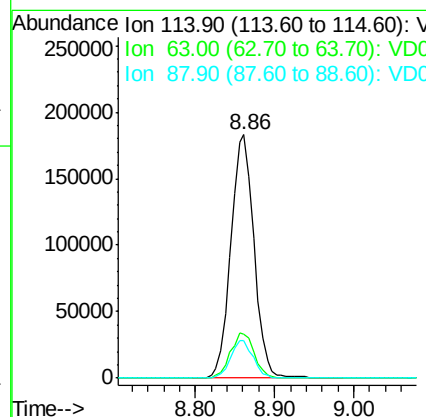
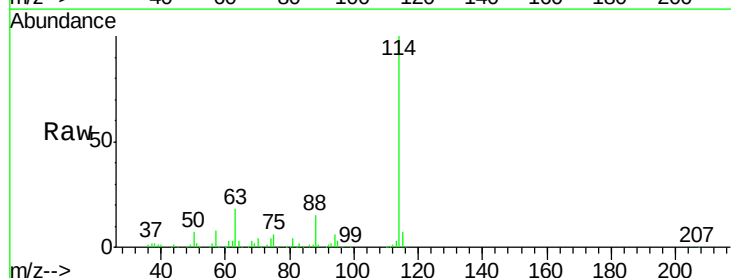
Manual Integrations
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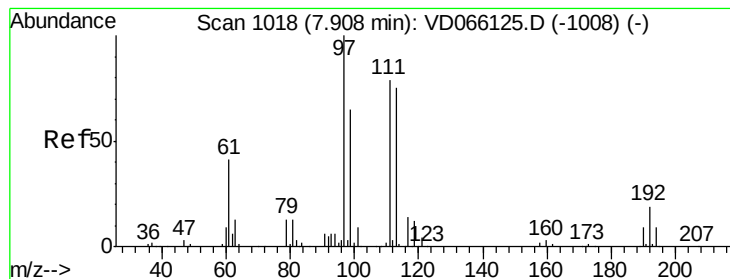
MMDadoda
 8/20/2020 3:36:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	369102		
63	18.2	0.0	38.6	
88	15.3	0.0	30.0	





#35

Dibromofluoromethane

Concen: 51.890 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

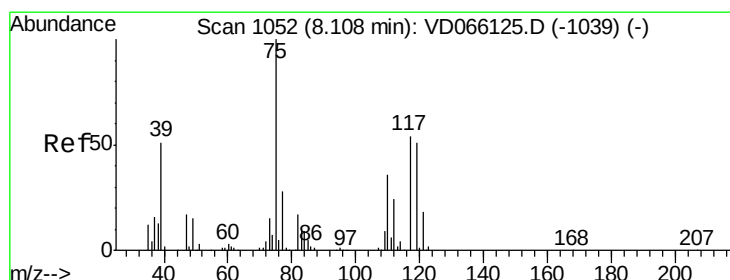
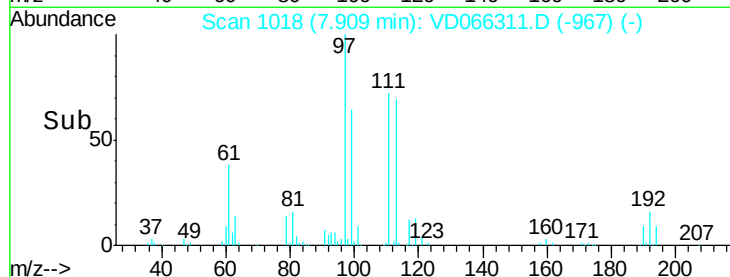
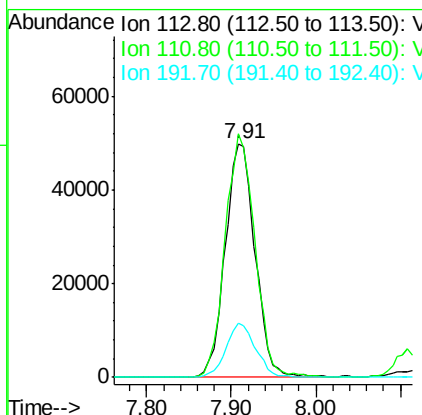
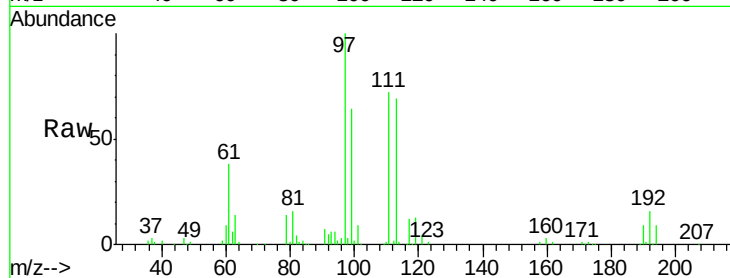
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	121331
Ion Ratio	Lower	Upper	
113	100		
111	103.9	80.7	121.1
192	22.9	18.4	27.6

Manual Integrations
APPROVED

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8/20/2020 3:36:48 PM



#36

1,1-Dichloropropene

Concen: 50.674 ug/l

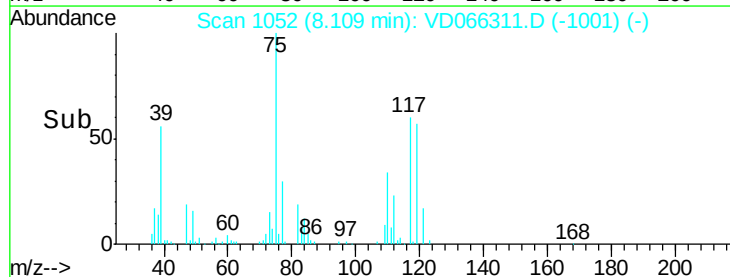
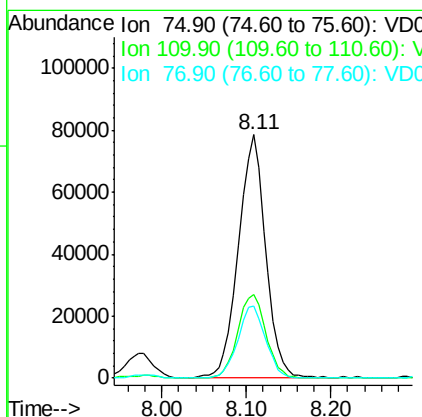
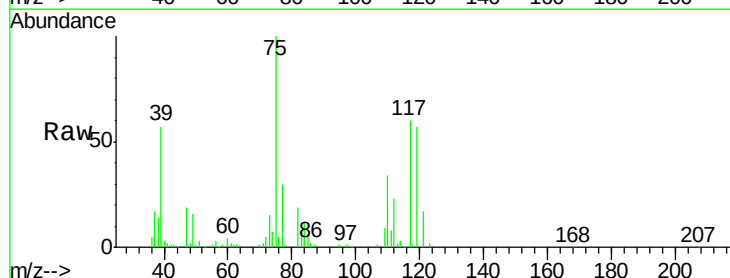
RT: 8.11 min Scan# 1052

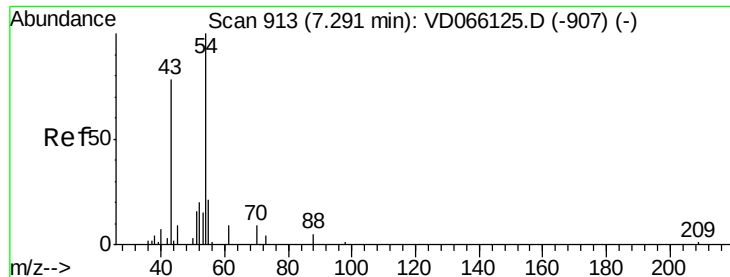
Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Tgt Ion:	75	Resp:	175760
Ion Ratio	Lower	Upper	
75	100		
110	35.2	18.8	56.3
77	30.0	24.2	36.2





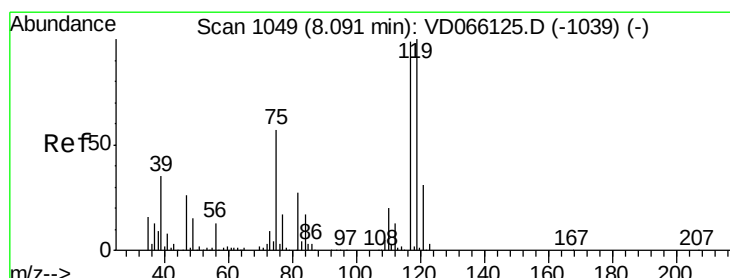
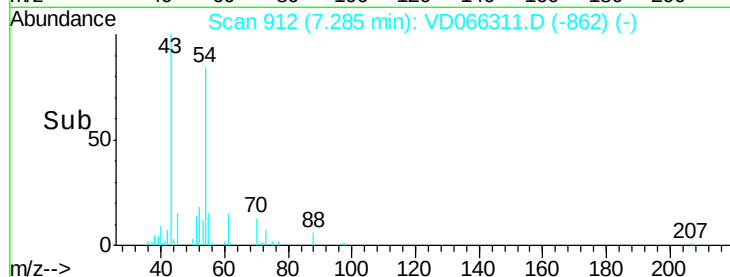
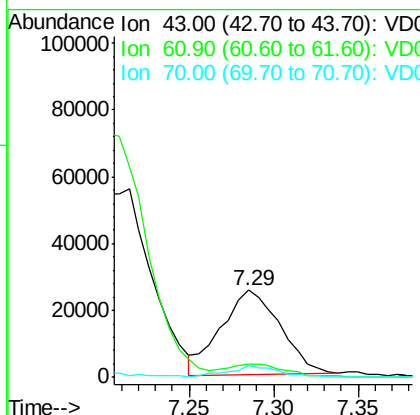
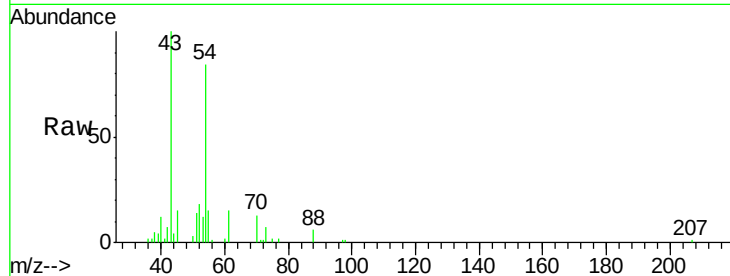
#37
Ethyl Acetate
Concen: 44.532 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.0	18.0
70	12.4	9.7	14.5

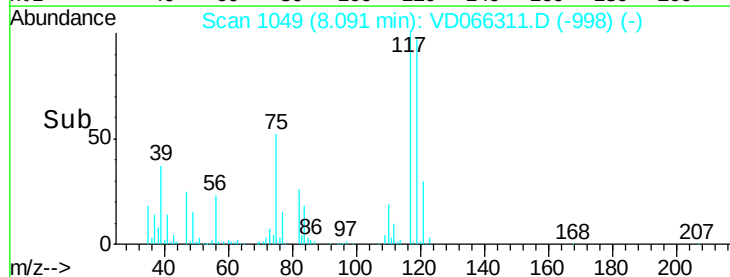
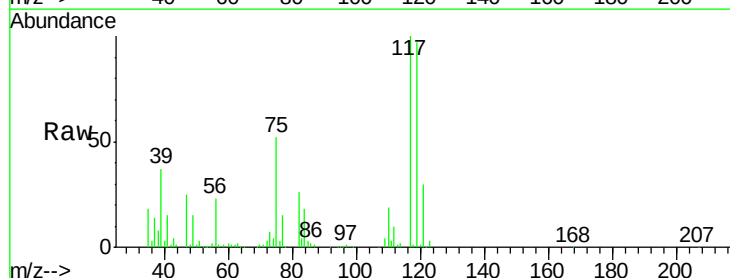
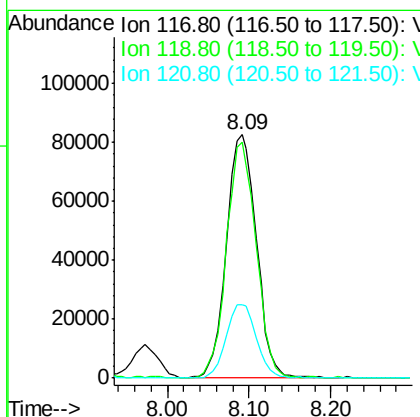
Manual Integrations
APPROVED

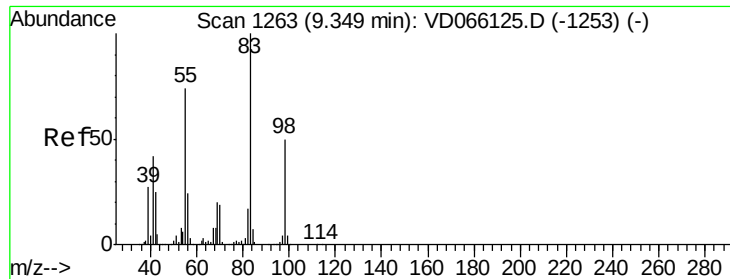
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8/20/2020 3:36:48 PM



#38
Carbon Tetrachloride
Concen: 54.402 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	81.0	121.4
121	30.4	24.8	37.2





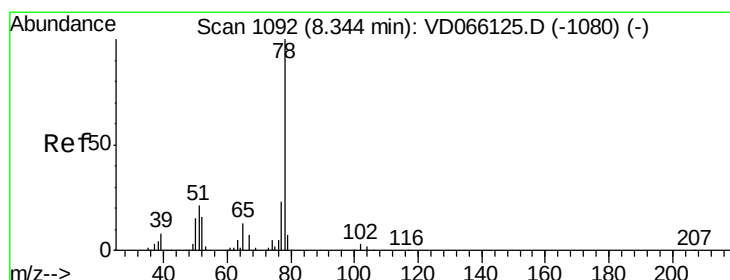
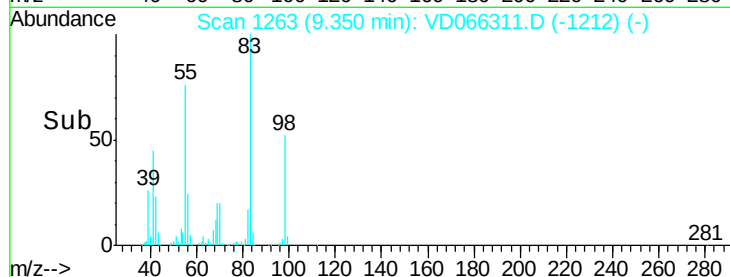
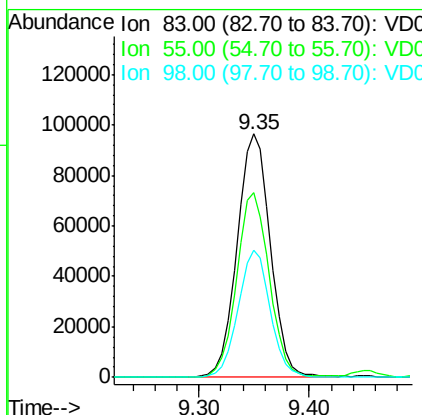
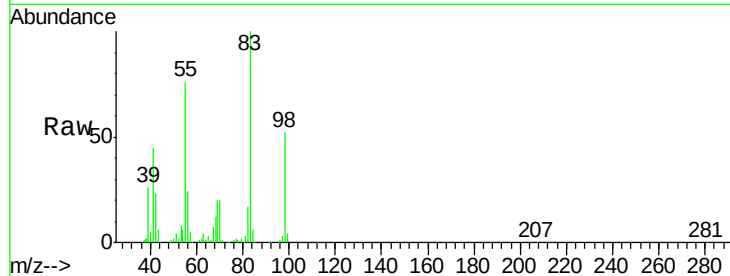
#39
Methylvlcyclohexane
Concen: 48.841 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	204781
Ion Ratio	Lower	Upper	
83	100		
55	75.7	59.2	88.8
98	52.1	39.8	59.6

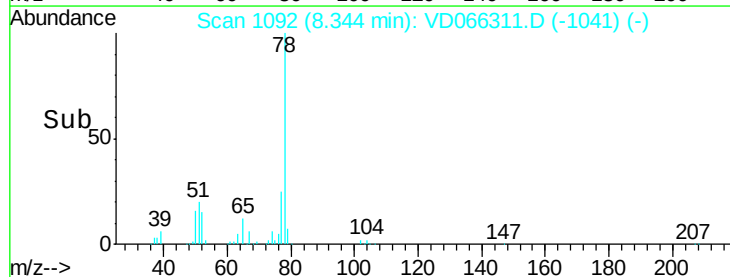
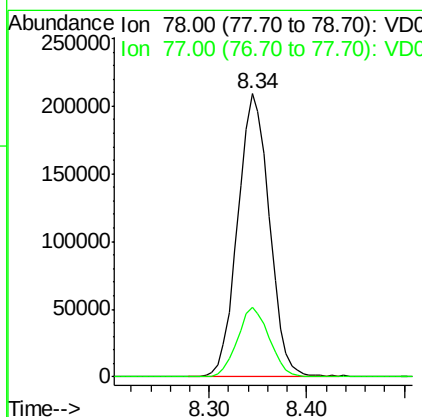
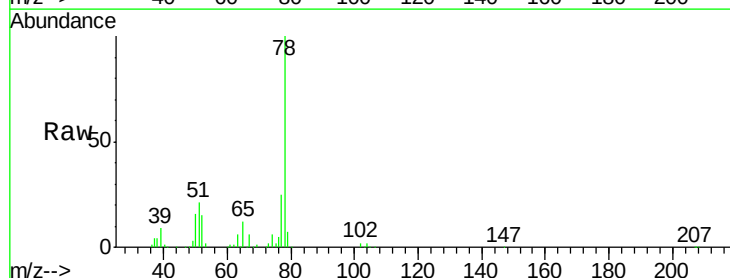
Manual Integrations
APPROVED

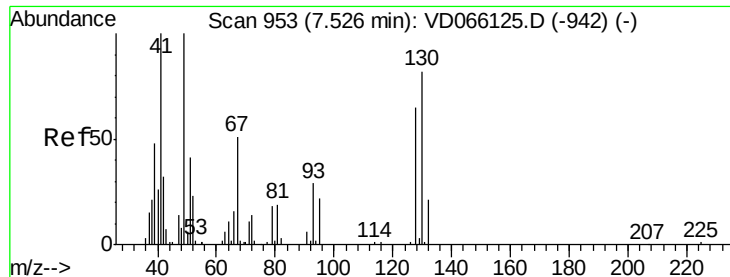
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#40
Benzene
Concen: 49.010 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	78	Resp	471557
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.6	27.8





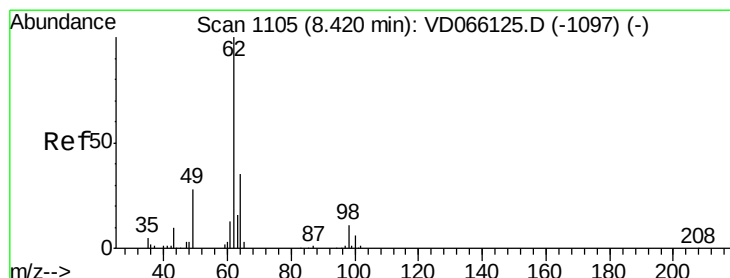
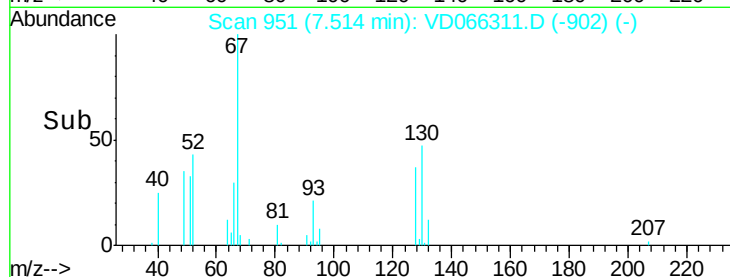
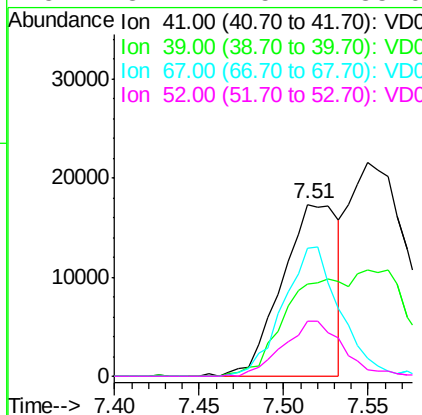
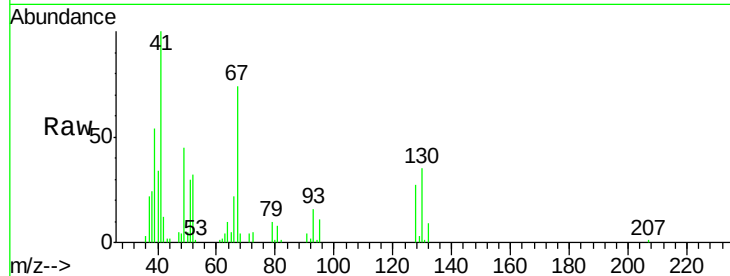
#41
Methacrylonitrile
Concen: 49.476 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	39977
Ion	Ratio	Lower	Upper
41	100		
39	65.0	47.5	71.3
67	76.8	59.1	88.7
52	34.1	25.4	38.0

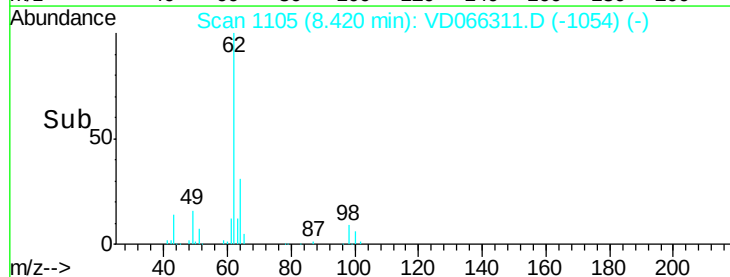
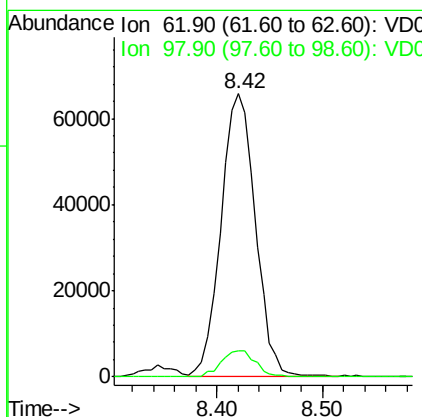
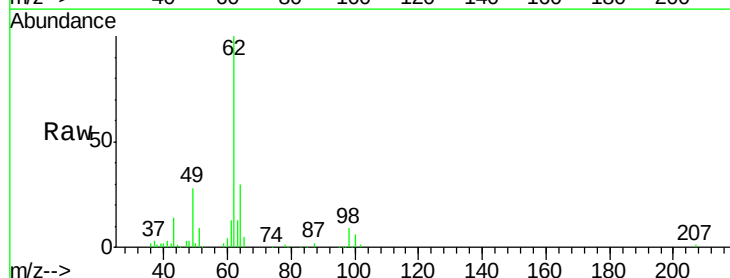
Manual Integrations
APPROVED

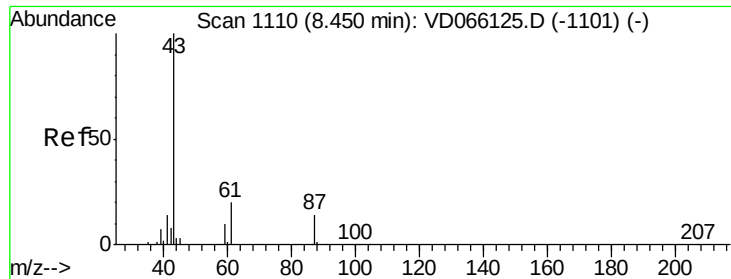
MMDadoda
8/20/2020 3:36:48 PM



#42
1,2-Dichloroethane
Concen: 52.579 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	62	Resp	148620
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.4





#43

Isopropyl Acetate

Concen: 48.269 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

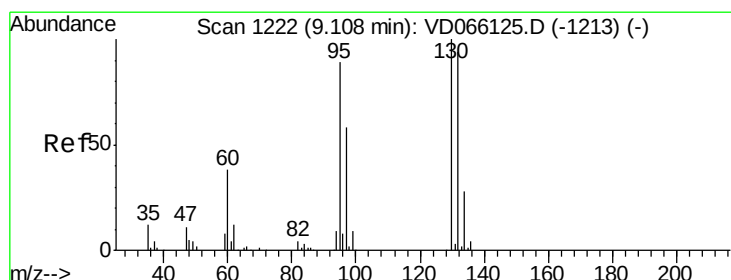
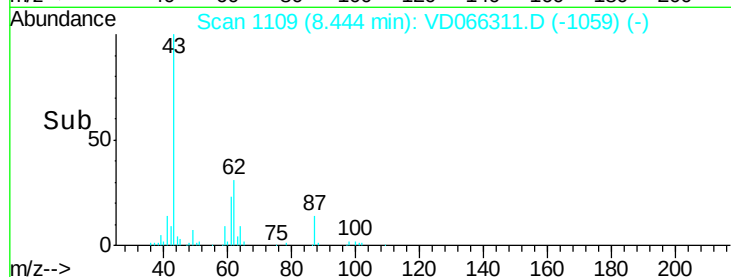
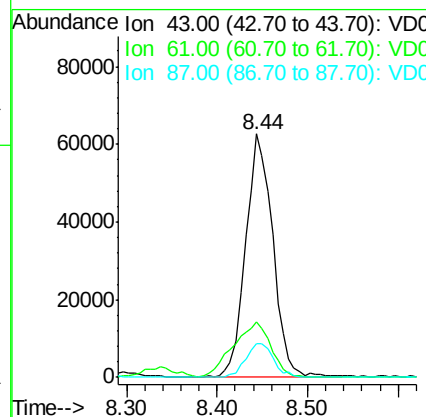
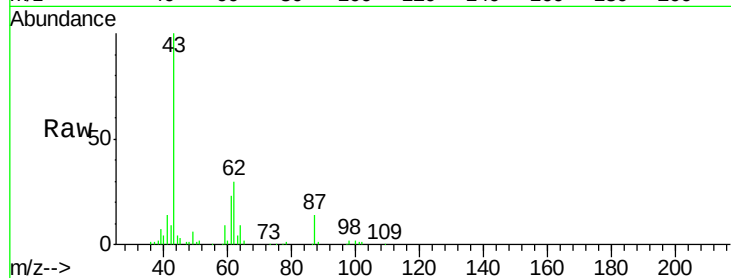
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	130696
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.5	38.3
87	14.1	11.2	16.8

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#44

Trichloroethene

Concen: 51.202 ug/l

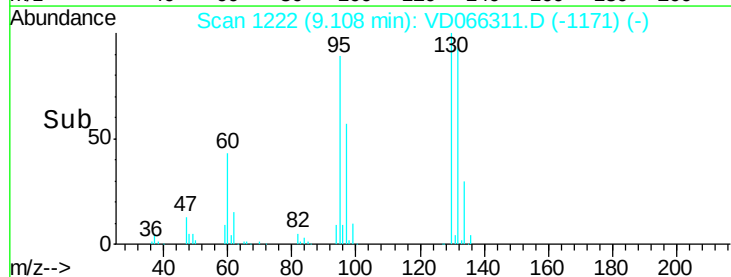
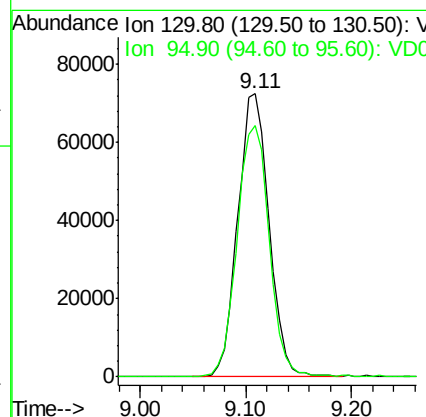
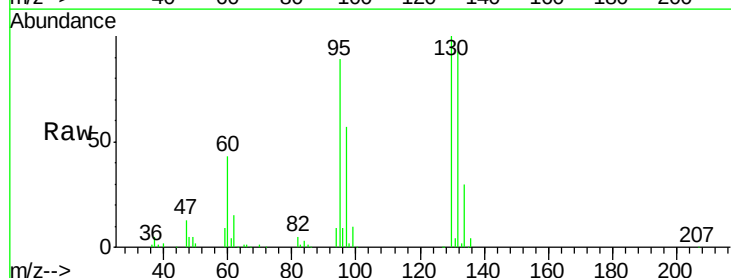
RT: 9.11 min Scan# 1222

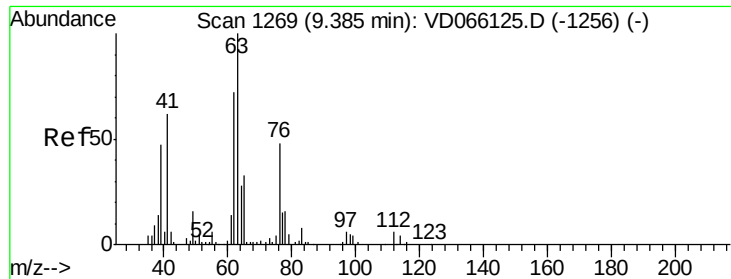
Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Tgt Ion:	130	Resp:	148452
Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	178.4





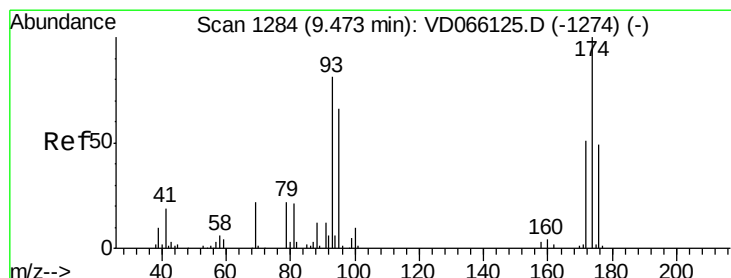
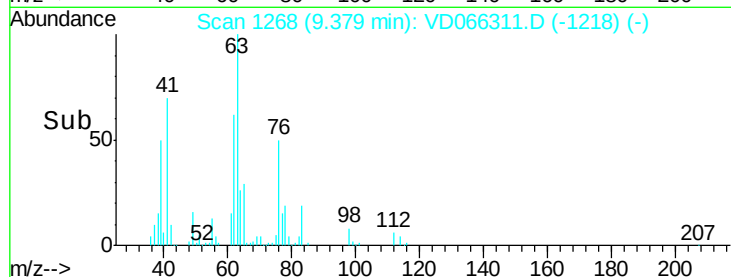
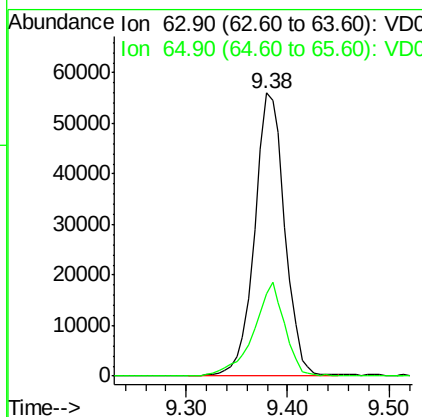
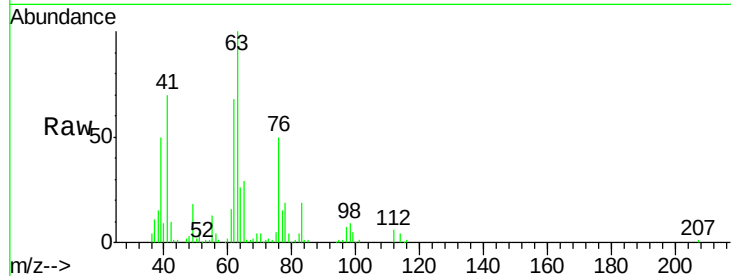
#45
 1,2-Dichloropropane
 Concen: 49.417 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 116290
 Ion Ratio Lower Upper
 63 100
 65 29.1 26.5 39.7

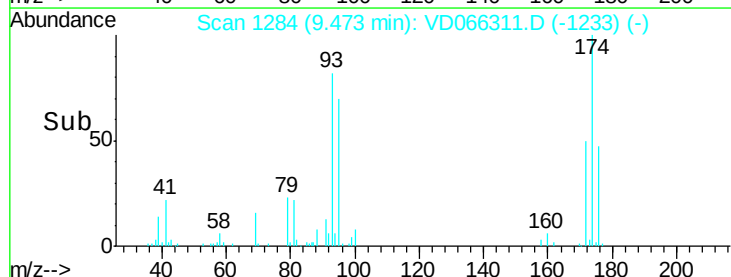
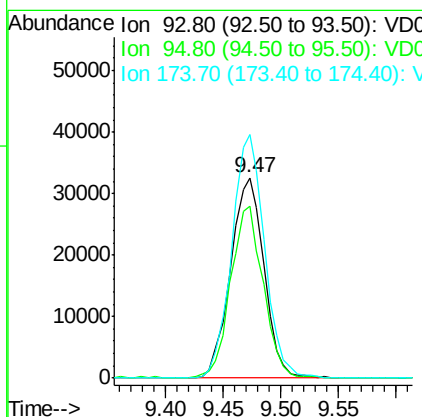
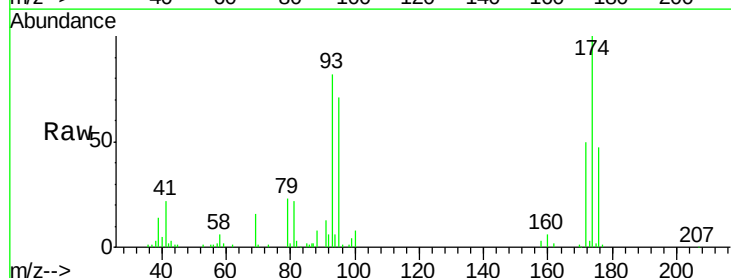
Manual Integrations
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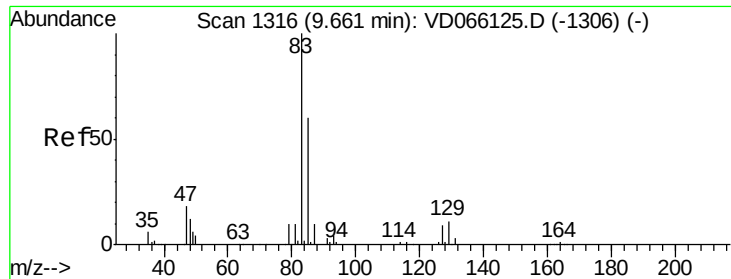
MMDadoda
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#46
 Dibromomethane
 Concen: 50.370 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion: 93 Resp: 65290
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.8 98.6
 174 119.3 92.8 139.2





#47

Bromodichloromethane

Concen: 52.836 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

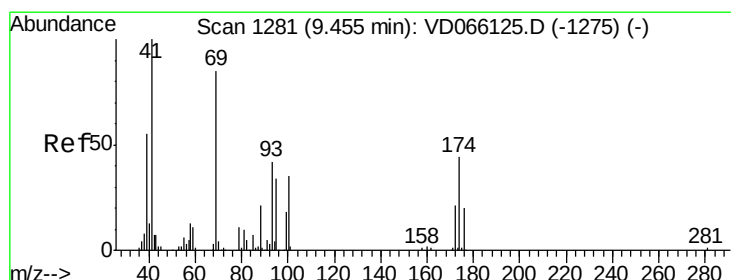
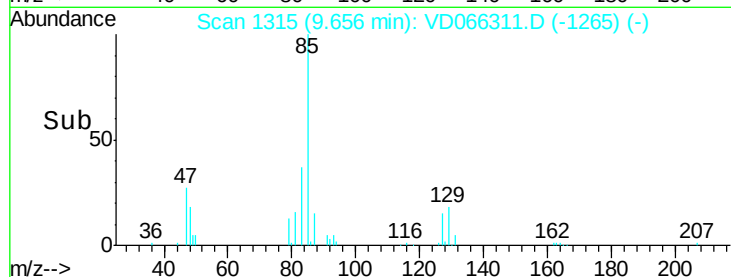
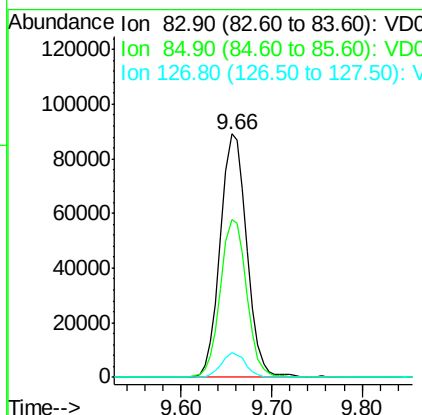
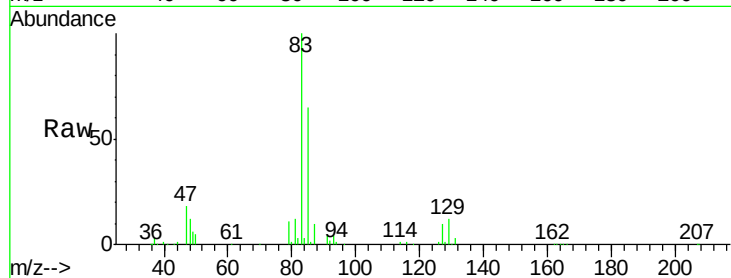
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	181009
Ion	Ratio	Lower	Upper
83	100		
85	64.9	48.2	72.4
127	10.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.048 ug/l

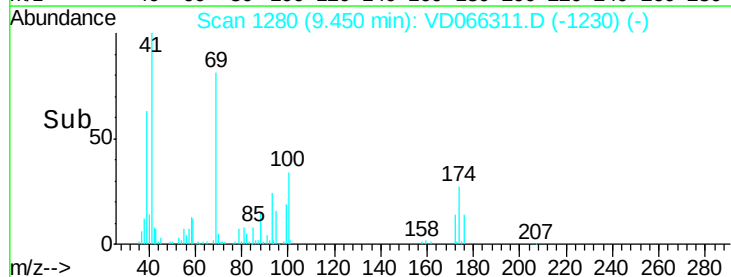
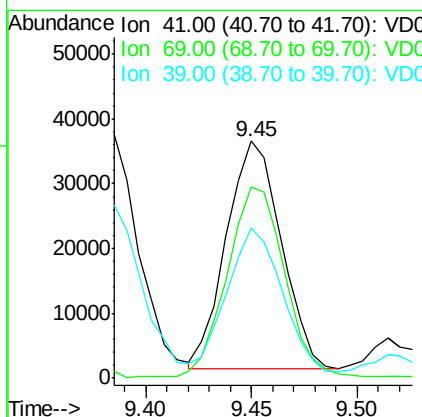
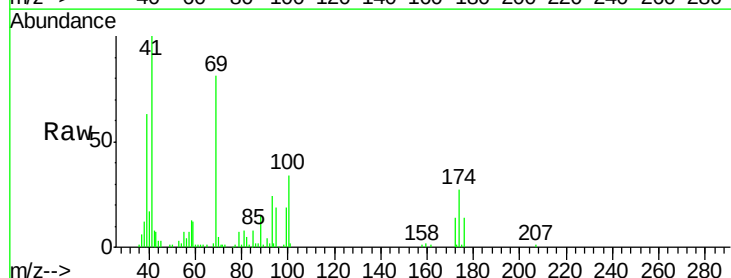
RT: 9.45 min Scan# 1280

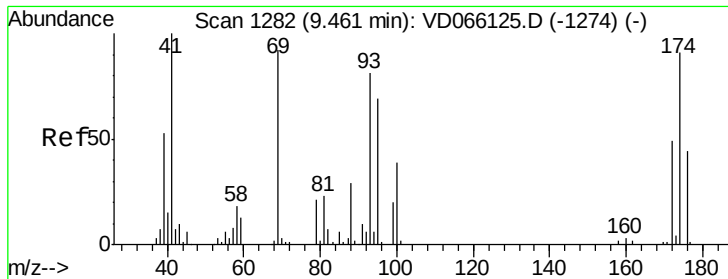
Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Tgt Ion:	41	Resp:	63665
Ion	Ratio	Lower	Upper
41	100		
69	87.0	63.9	95.9
39	62.0	42.6	64.0





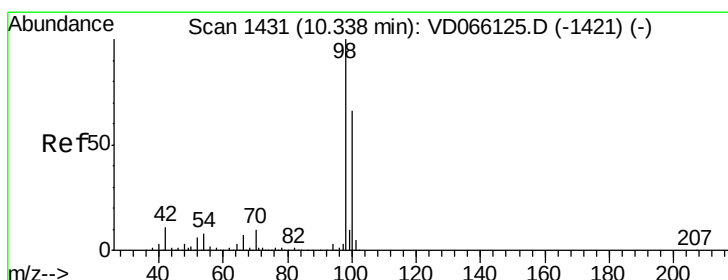
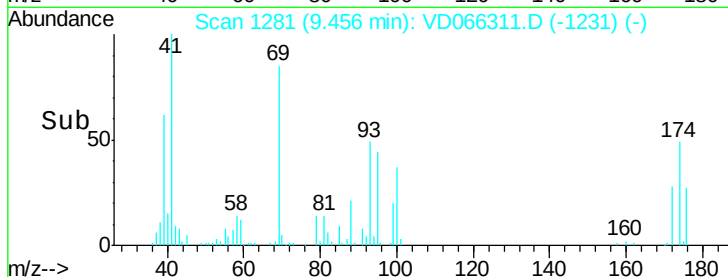
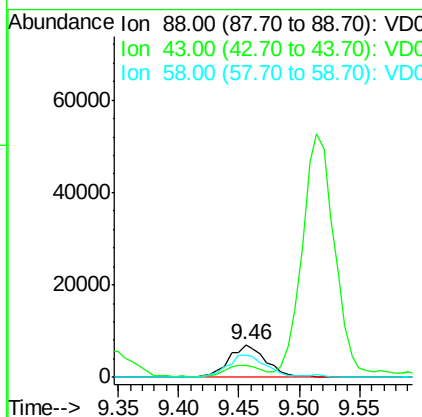
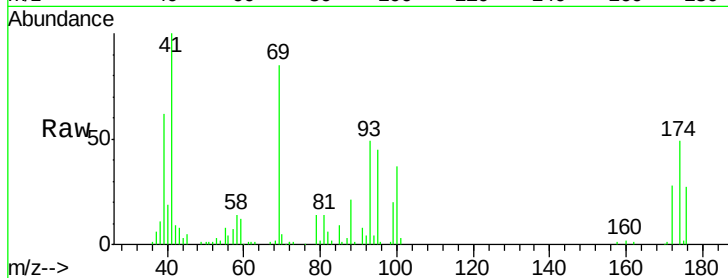
#49
1,4-Dioxane
Concen: 905.898 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	27.5	41.3
58	71.4	50.2	75.4

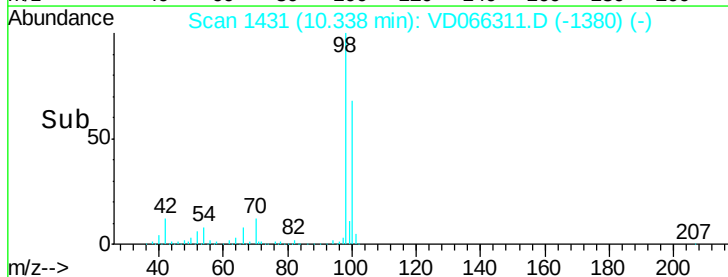
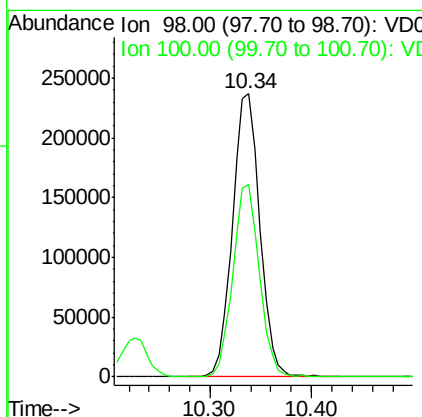
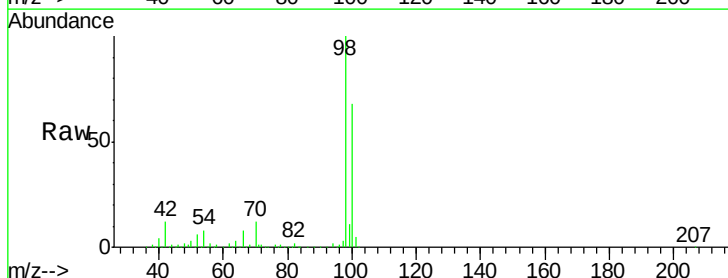
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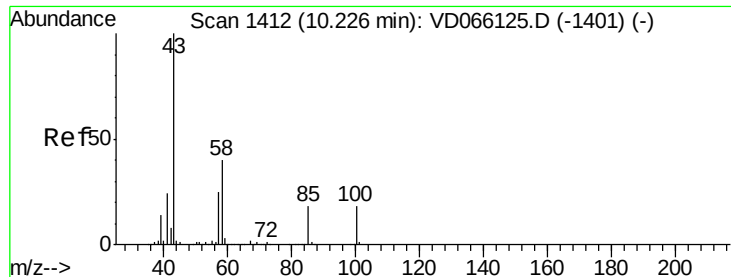
MMDadoda
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#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.6	78.8





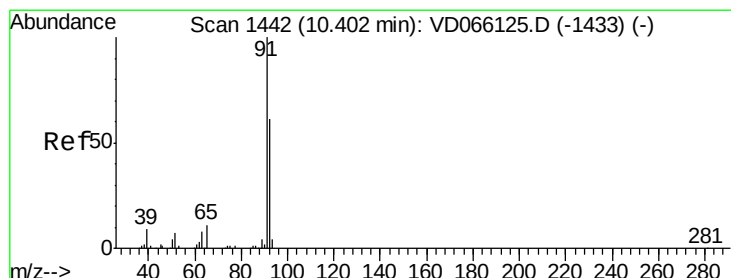
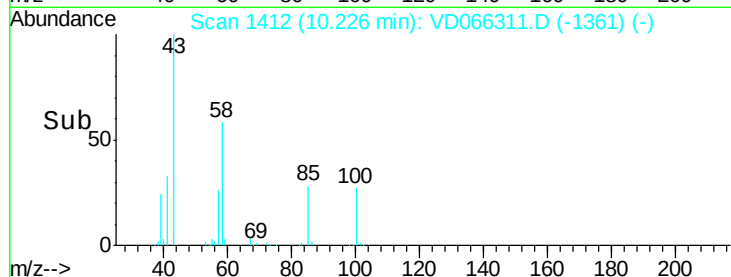
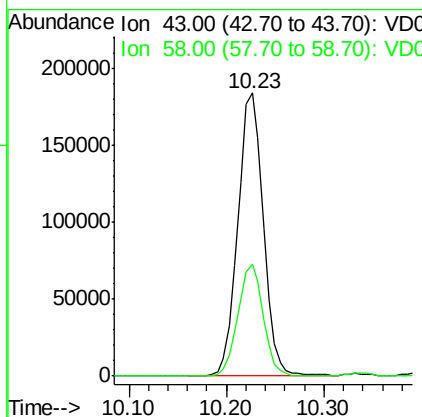
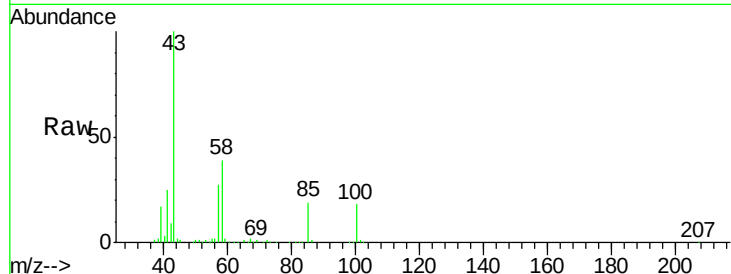
#51
4-Methyl-2-Pentanone
Concen: 241.532 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 335926
Ion Ratio Lower Upper
43 100
58 39.3 31.1 46.7

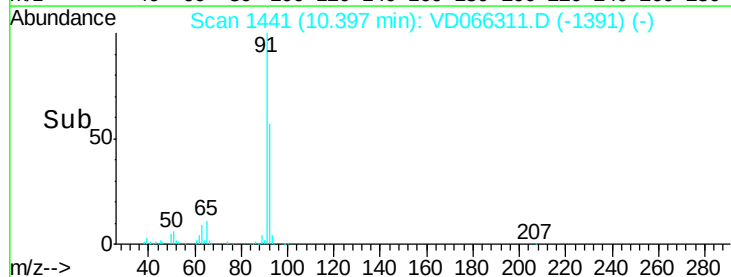
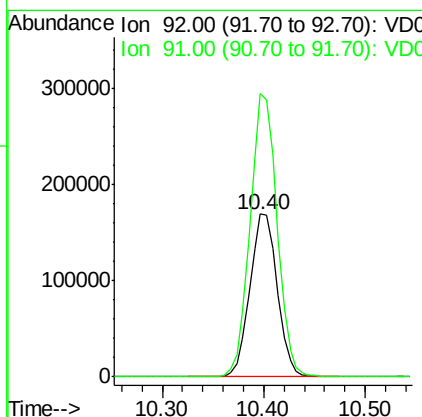
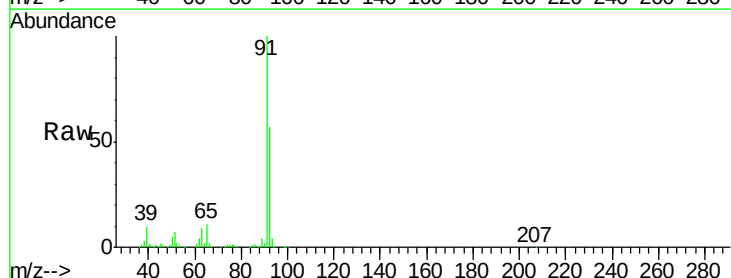
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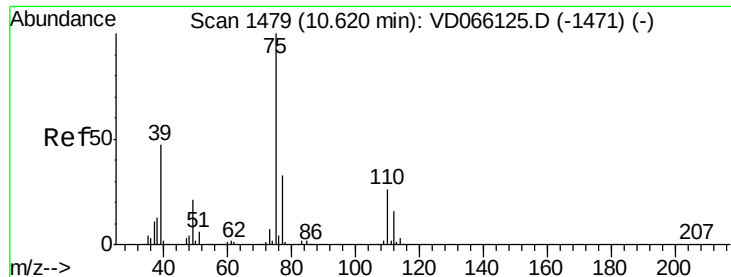
MMDadoda
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#52
Toluene
Concen: 50.354 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion: 92 Resp: 318805
Ion Ratio Lower Upper
92 100
91 171.6 135.2 202.8





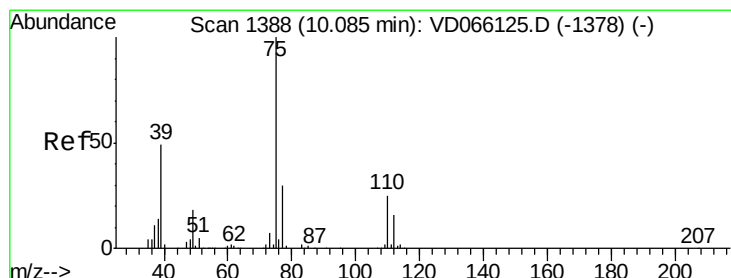
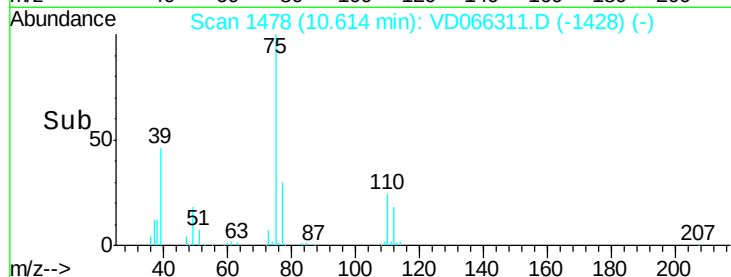
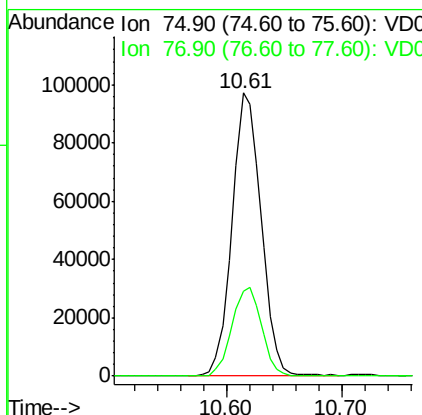
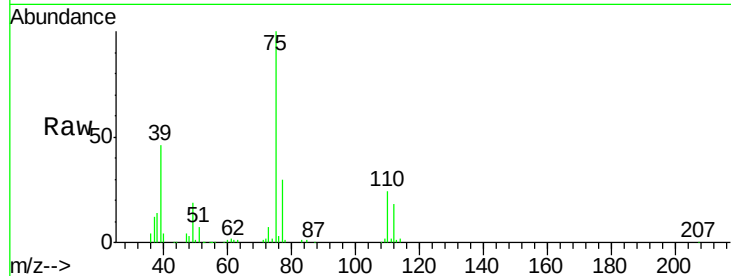
#53
 t-1,3-Dichloropropene
 Concen: 52.211 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 169748
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.2 39.2

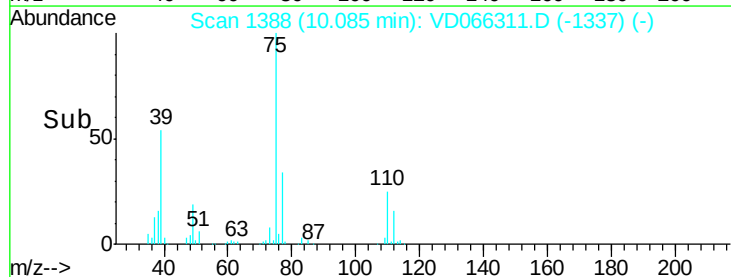
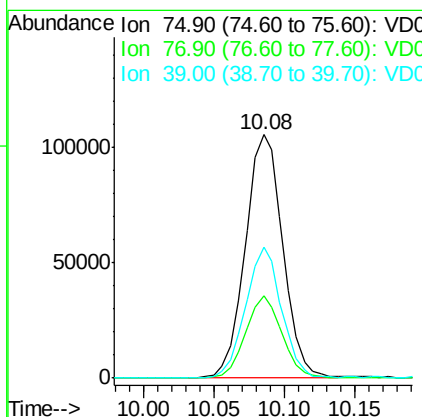
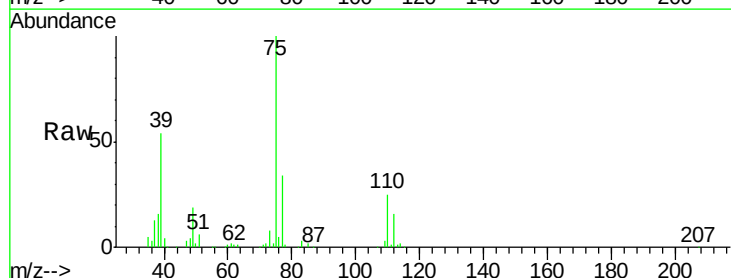
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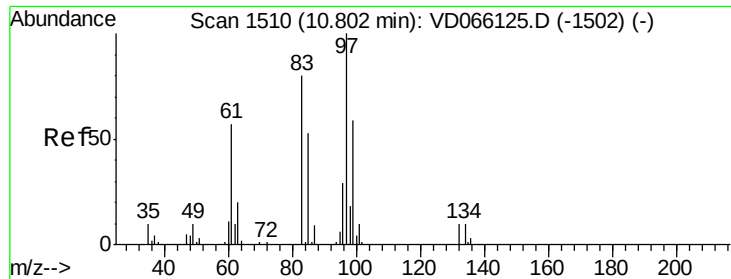
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#54
 cis-1,3-Dichloropropene
 Concen: 51.572 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion: 75 Resp: 196449
 Ion Ratio Lower Upper
 75 100
 77 33.7 24.3 36.5
 39 53.7 39.3 58.9





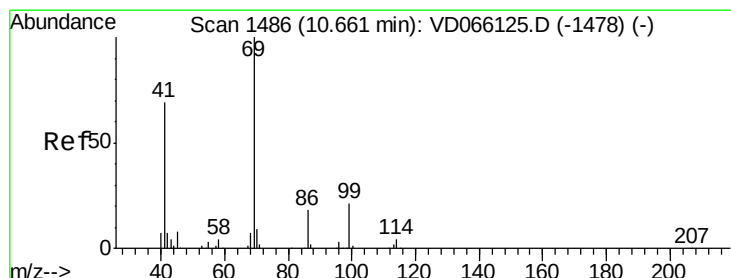
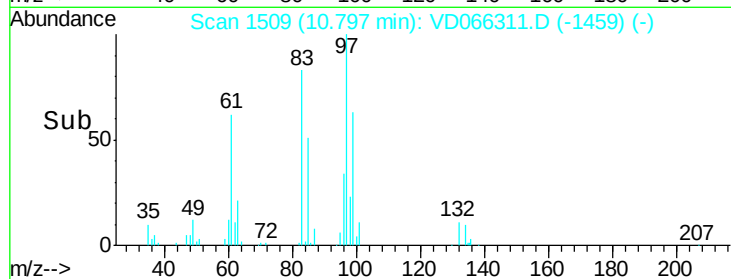
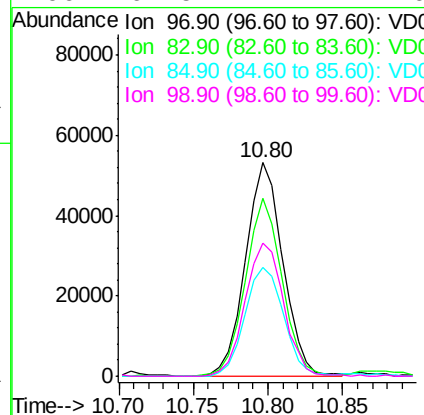
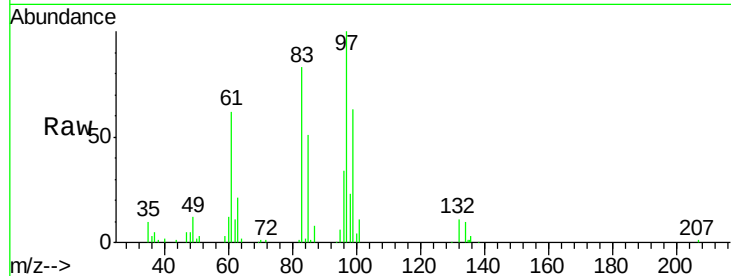
#55
 1,1,2-Trichloroethane
 Concen: 49.365 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	92139
Ion	Ratio	Lower	Upper
97	100		
83	83.3	63.9	95.9
85	50.8	42.5	63.7
99	62.5	47.4	71.0

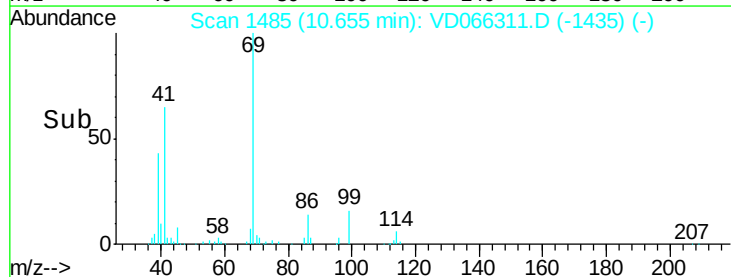
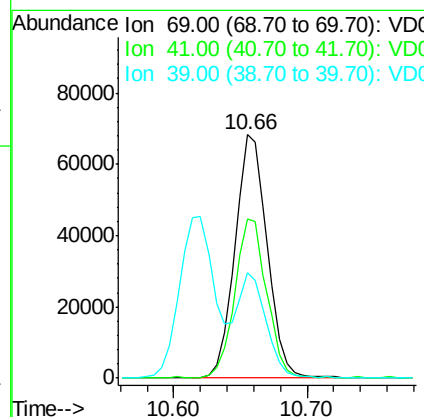
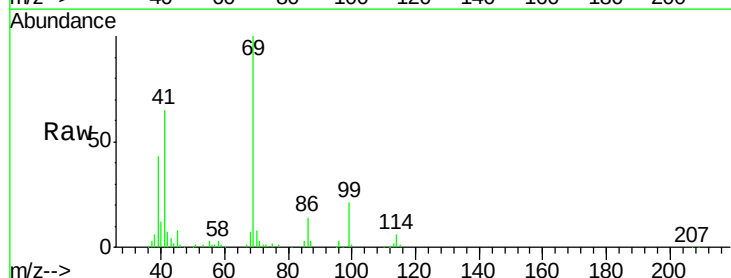
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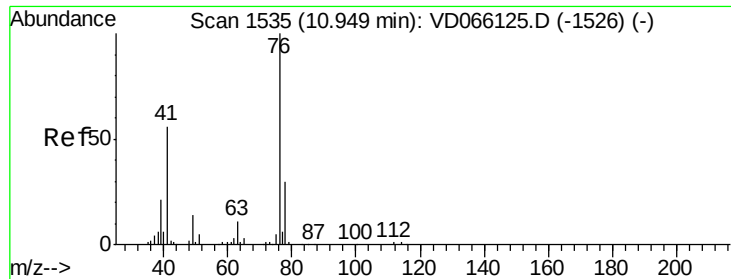
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#56
 Ethyl methacrylate
 Concen: 50.986 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion:	69	Resp:	114321
Ion	Ratio	Lower	Upper
69	100		
41	65.5	54.1	81.1
39	41.3	28.6	43.0





#57

1,3-Dichloropropane

Concen: 49.813 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 154354

Ion Ratio Lower Upper

76 100

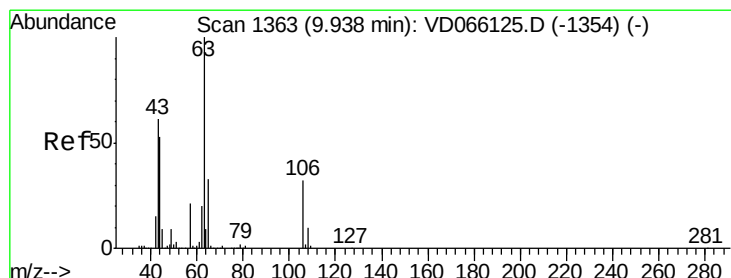
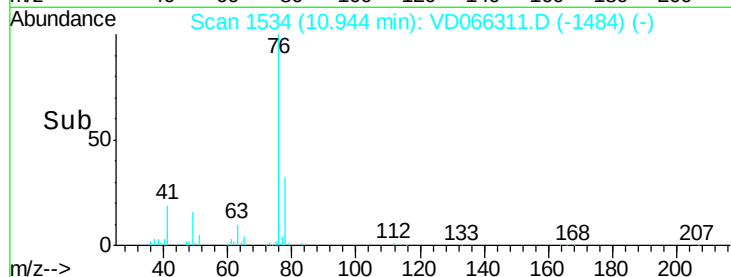
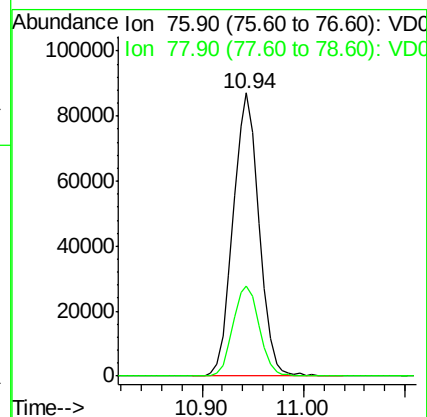
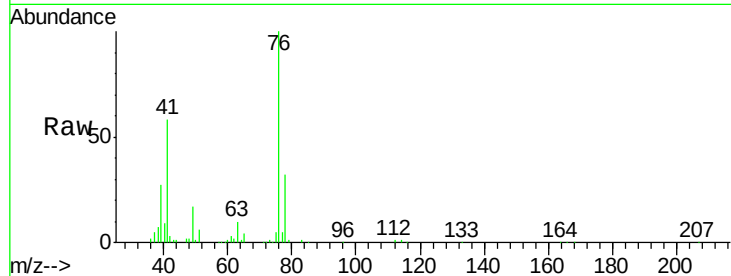
78 32.2 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 262.308 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066311.D

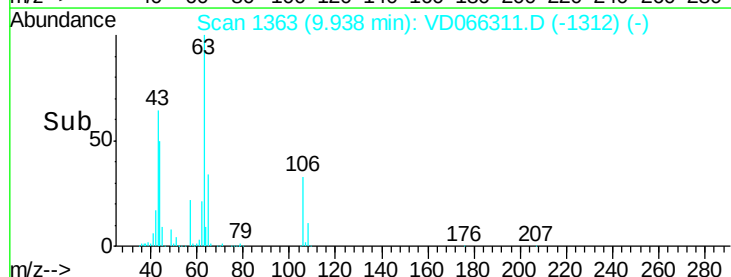
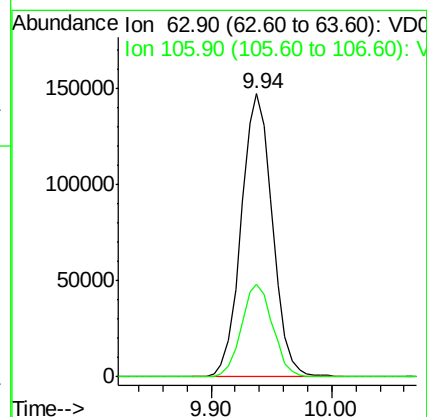
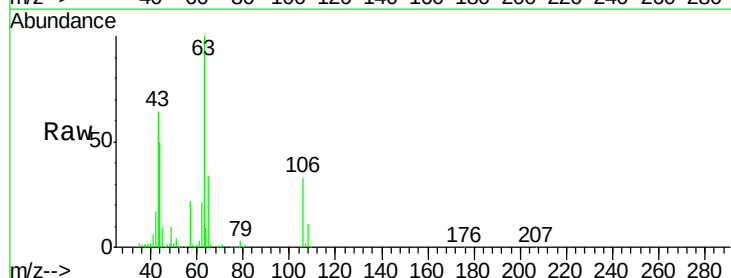
Acq: 19 Aug 2020 11:16

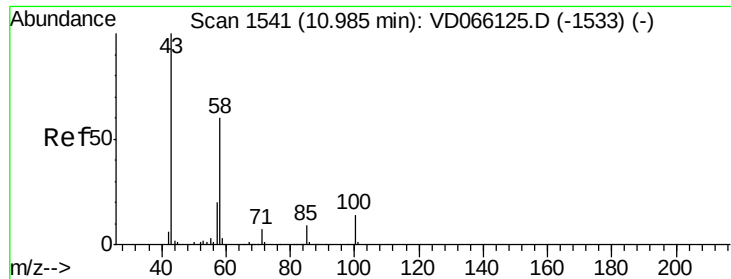
Tgt Ion: 63 Resp: 264555

Ion Ratio Lower Upper

63 100

106 32.9 25.3 37.9





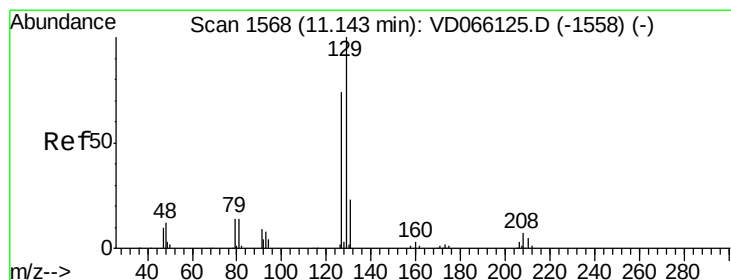
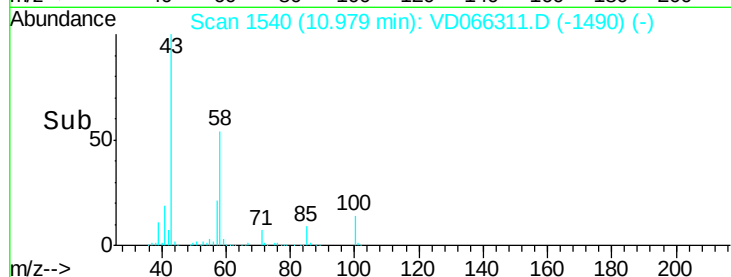
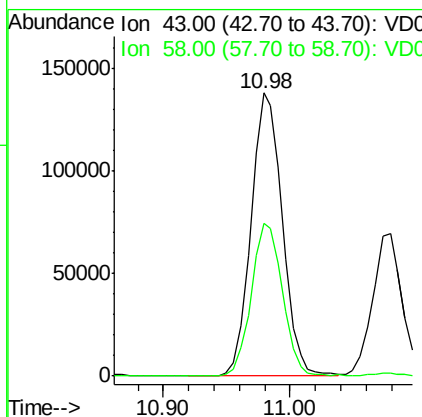
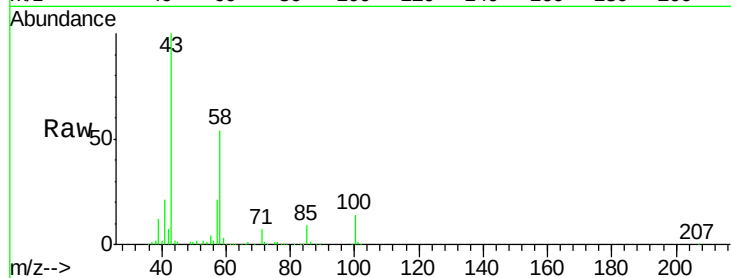
#59
2-Hexanone
Concen: 243.143 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.8	83.4

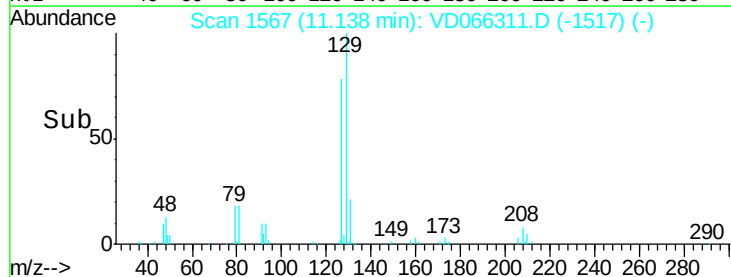
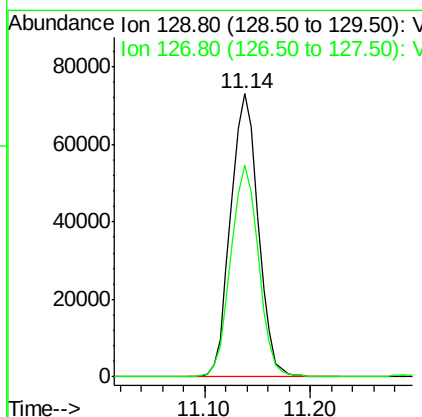
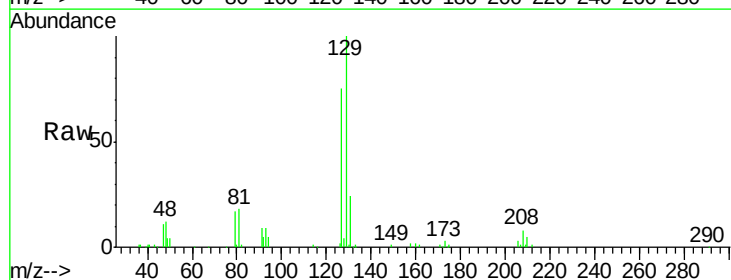
Manual Integrations
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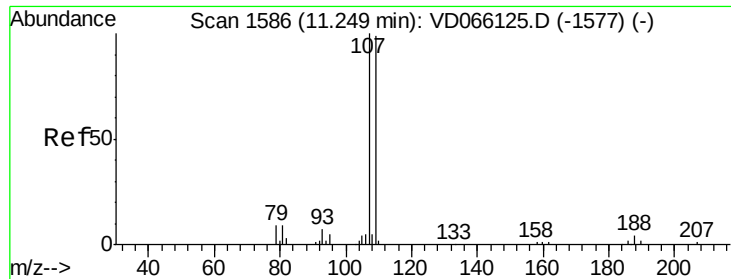
MMDadoda
8/20/2020 3:36:48 PM



#60
Dibromochloromethane
Concen: 51.169 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.0	114.1





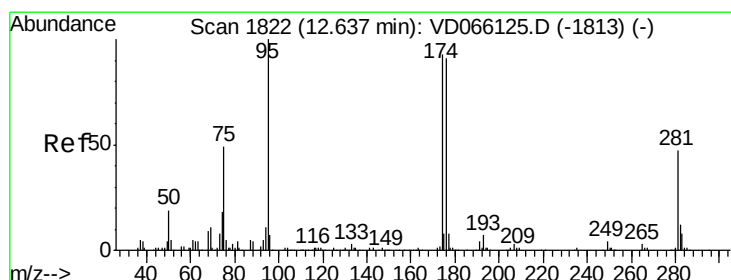
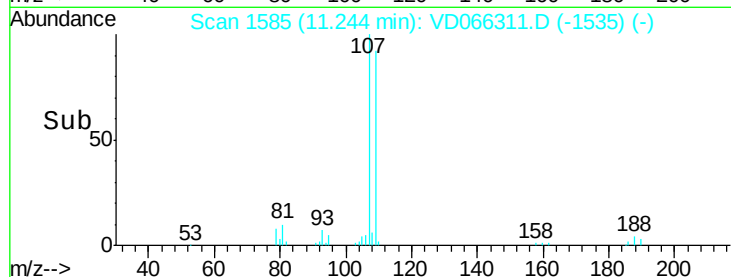
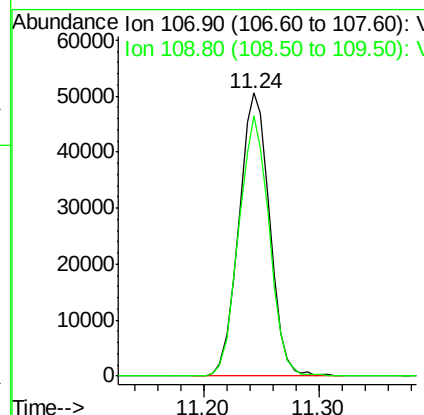
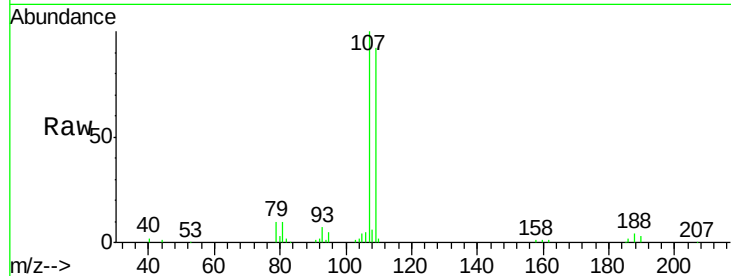
#61
 1,2-Dibromoethane
 Concen: 51.635 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 92685
 Ion Ratio Lower Upper
 107 100
 109 91.6 76.5 114.7

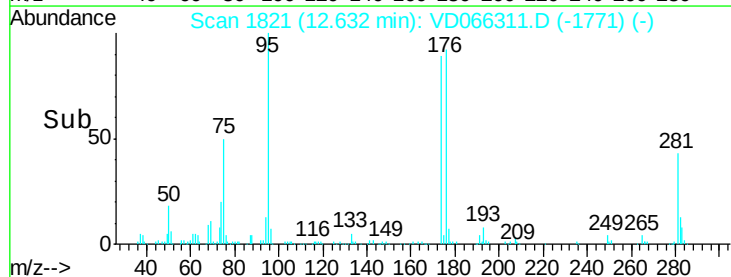
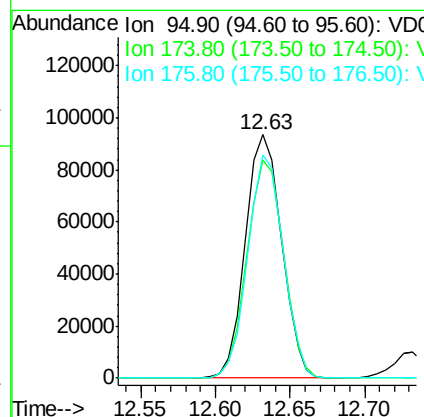
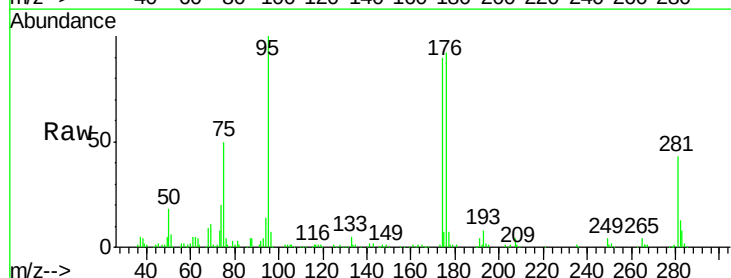
Manual Integrations
 APPROVED

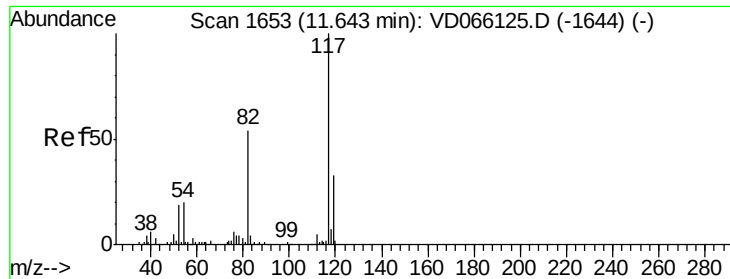
MMDadoda
 8/20/2020 3:36:48 PM



#62
 4-Bromofluorobenzene
 Concen: 50.696 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion: 95 Resp: 157680
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 180.8
 176 89.4 0.0 181.2





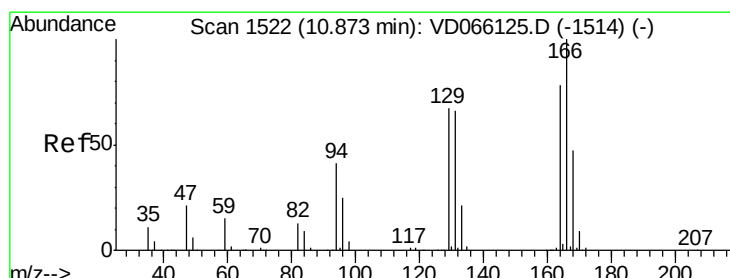
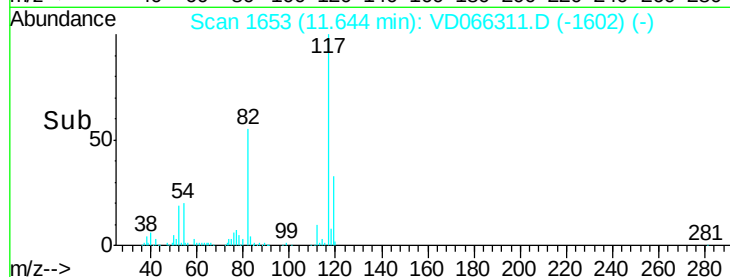
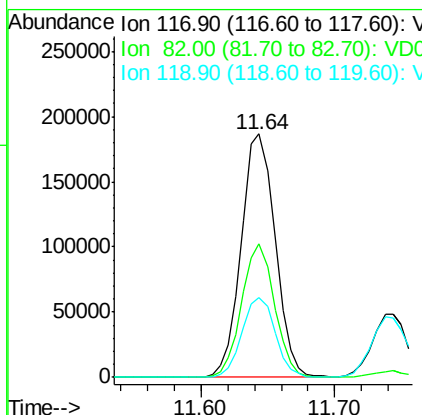
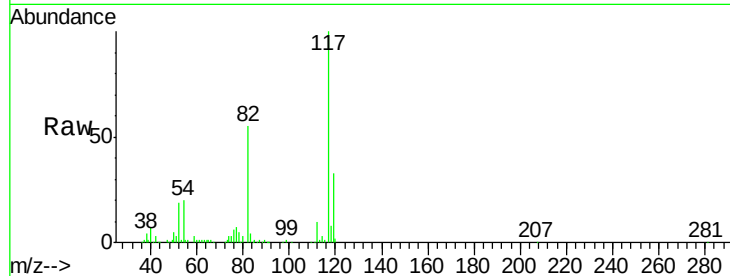
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329730		
82	55.1	43.0	64.4	
119	33.0	26.1	39.1	

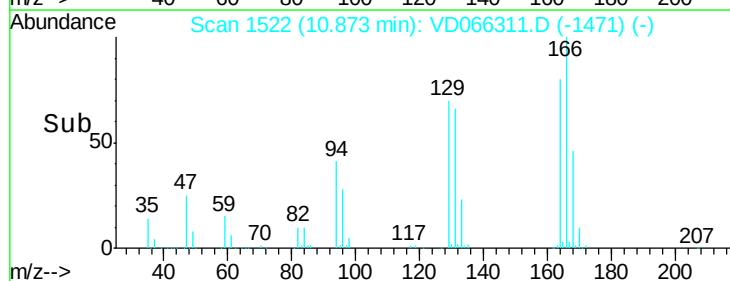
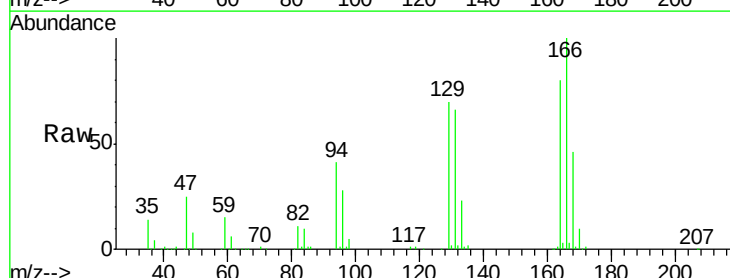
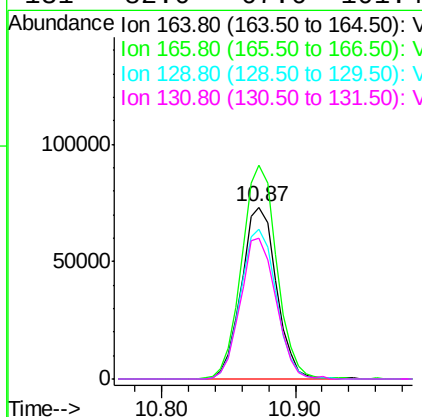
Manual Integrations
APPROVED

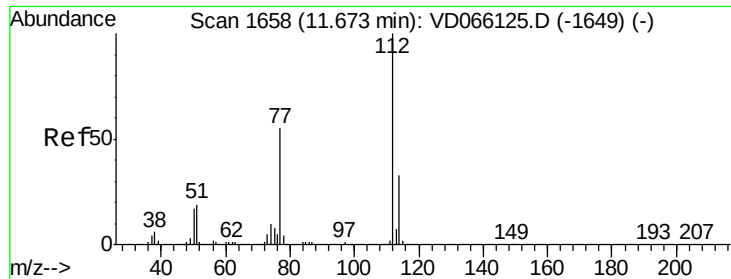
MMDadoda
8/20/2020 3:36:48 PM



#64
Tetrachloroethene
Concen: 52.324 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132483		
166	124.3	101.9	152.9	
129	87.5	68.1	102.1	
131	82.0	67.6	101.4	





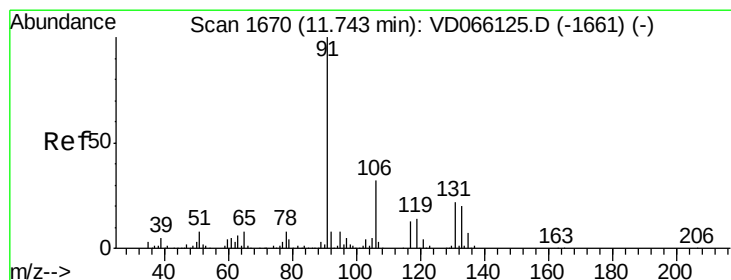
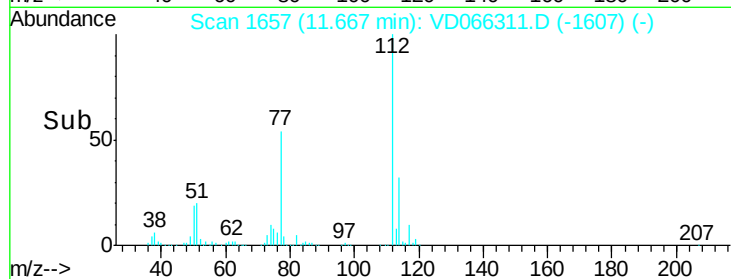
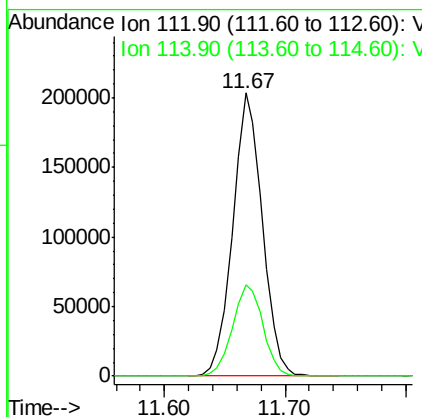
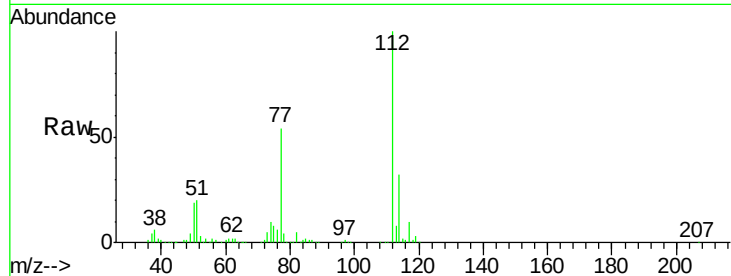
#65
Chlorobenzene
Concen: 51.823 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	346886		
114	32.3	26.1	39.1	

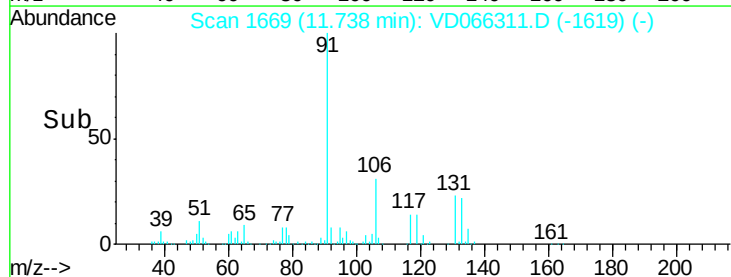
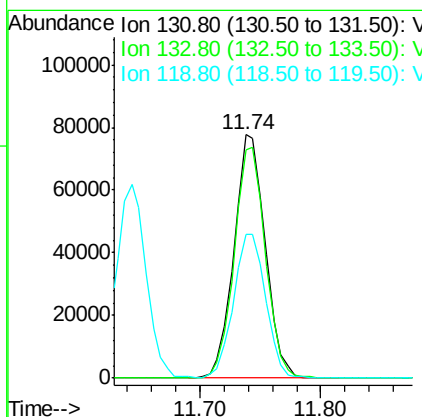
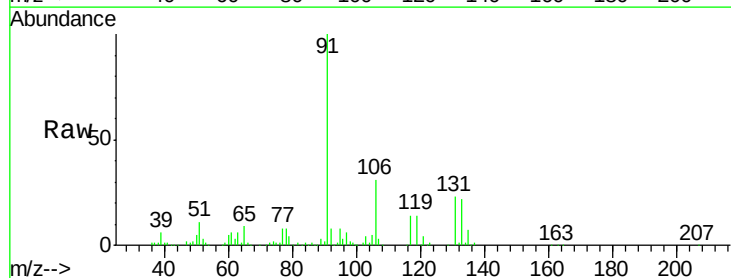
Manual Integrations
APPROVED

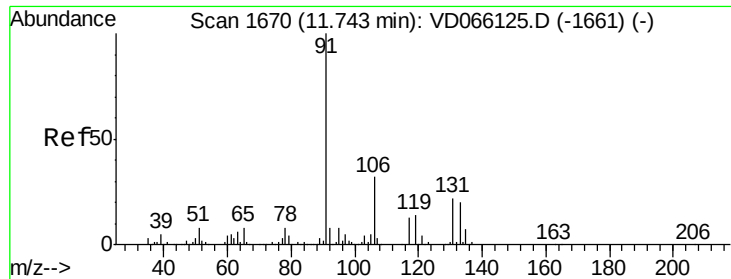
MMDadoda
8/20/2020 3:36:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.456 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	140002		
133	94.8	47.1	141.4	
119	61.1	31.6	94.7	





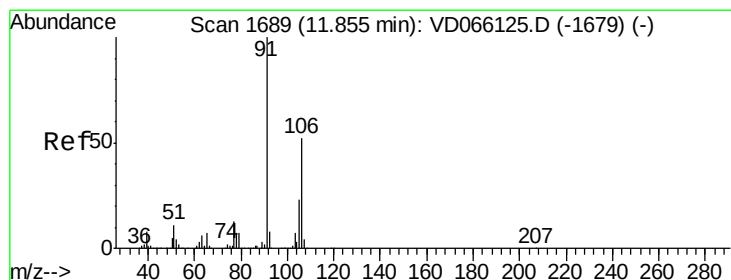
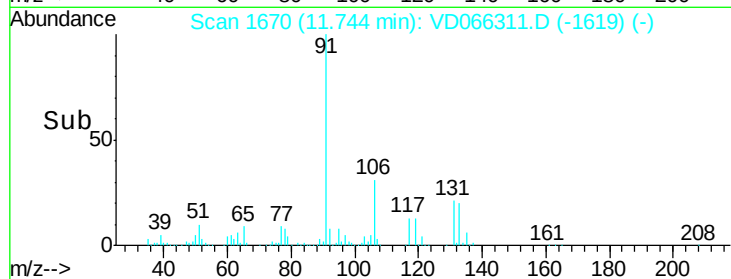
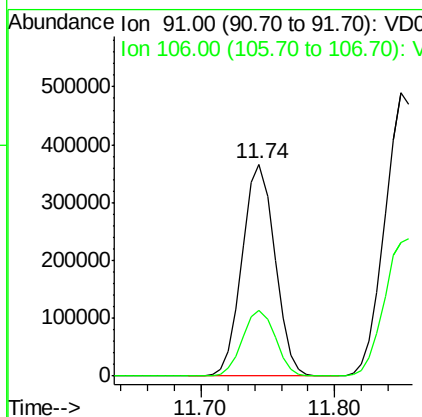
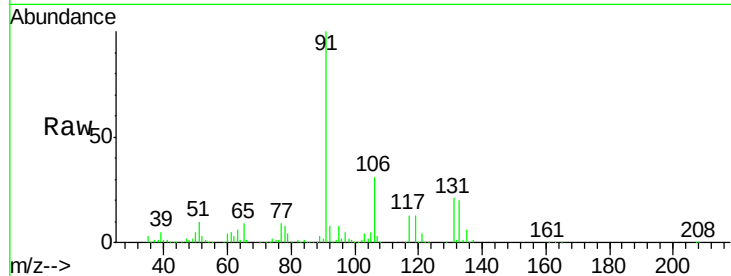
#67
Ethyl Benzene
Concen: 53.796 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 624004
Ion Ratio Lower Upper
91 100
106 30.9 25.7 38.5

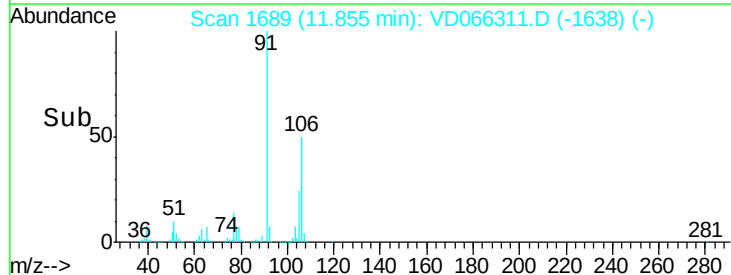
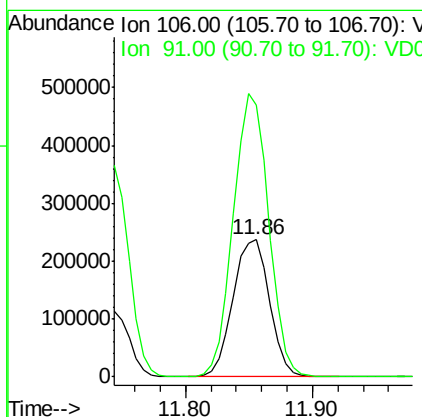
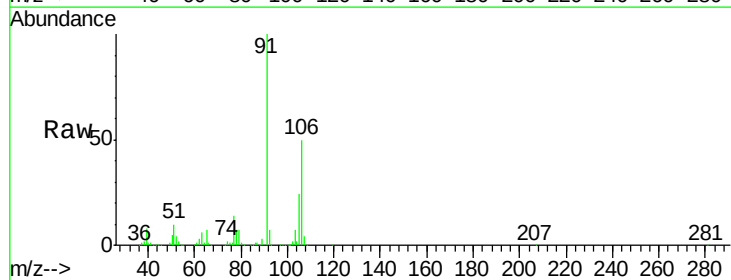
Manual Integrations
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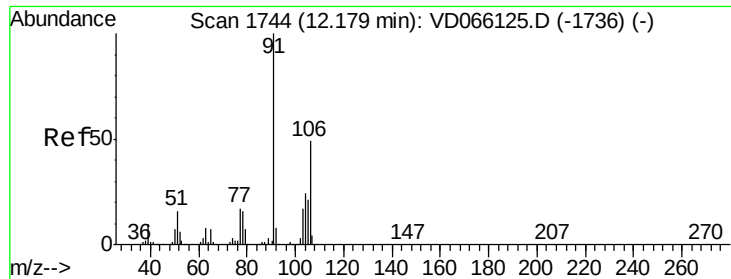
MMDadoda
8/20/2020 3:36:48 PM



#68
m/p-Xylenes
Concen: 105.235 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion: 106 Resp: 472938
Ion Ratio Lower Upper
106 100
91 200.3 156.6 235.0





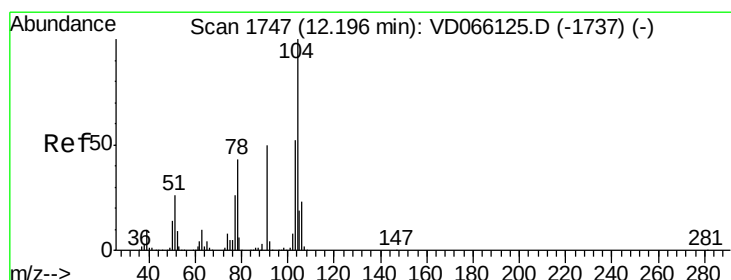
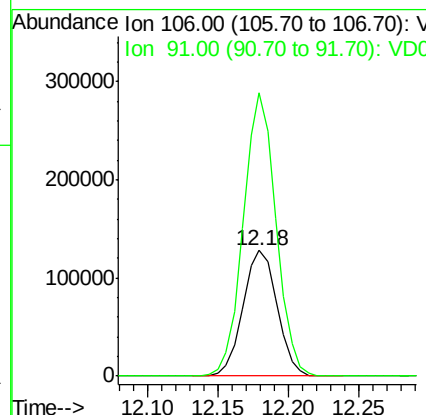
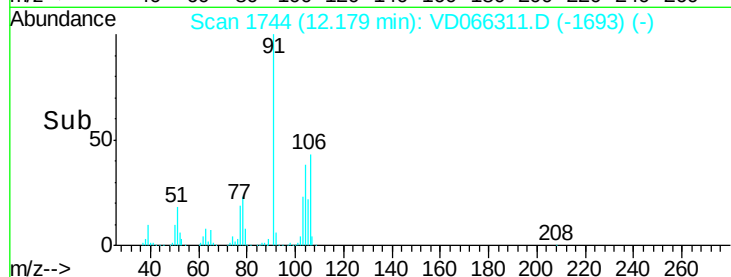
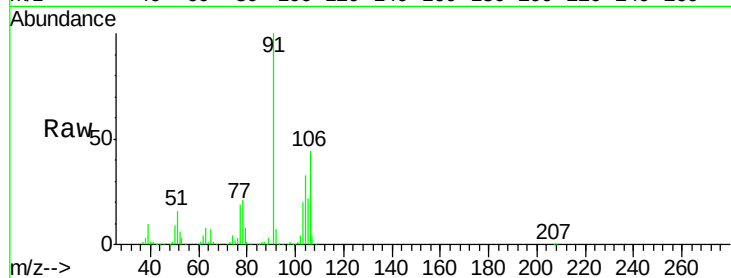
#69
o-Xylene
Concen: 53.129 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 217198
Ion Ratio Lower Upper
106 100
91 214.7 105.7 317.1

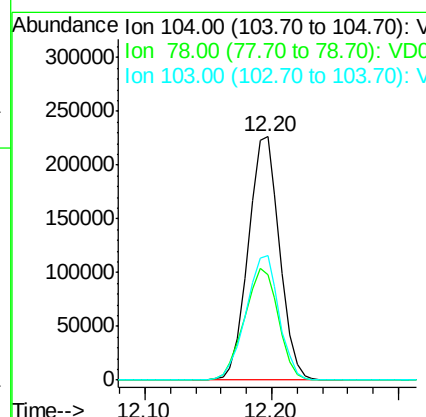
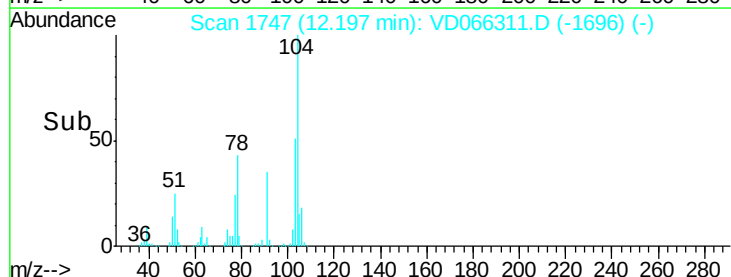
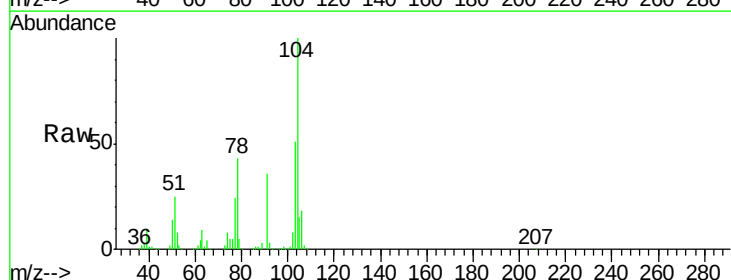
Manual Integrations
APPROVED

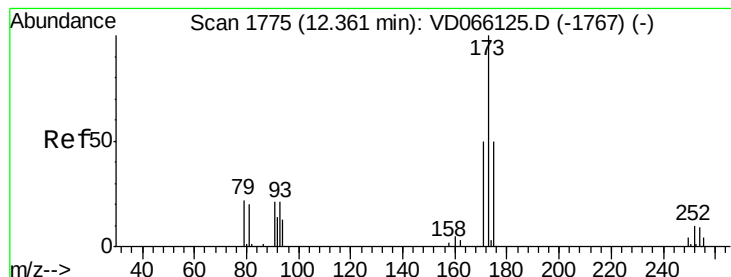
MMDadoda
8/20/2020 3:36:48 PM



#70
Styrene
Concen: 54.219 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion:104 Resp: 388458
Ion Ratio Lower Upper
104 100
78 49.9 38.6 58.0
103 54.3 44.1 66.1





#71

Bromoform

Concen: 51.829 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 80424

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.6

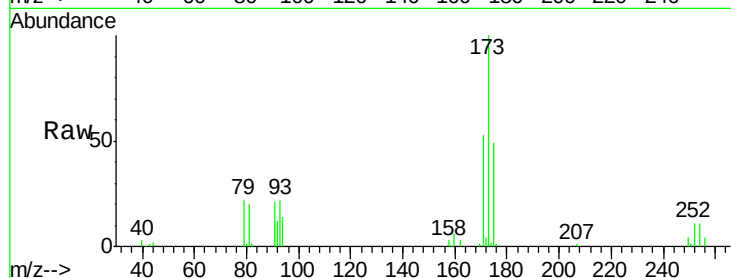
254 0.0 0.2 0.2#

Manual Integrations

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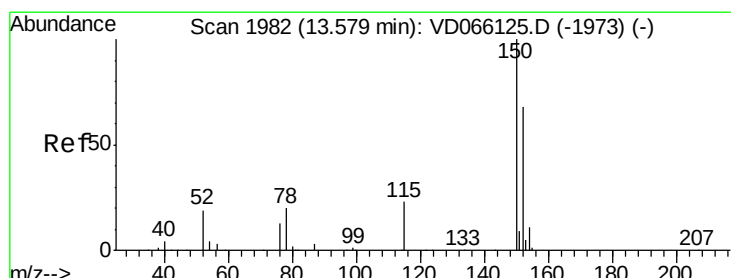
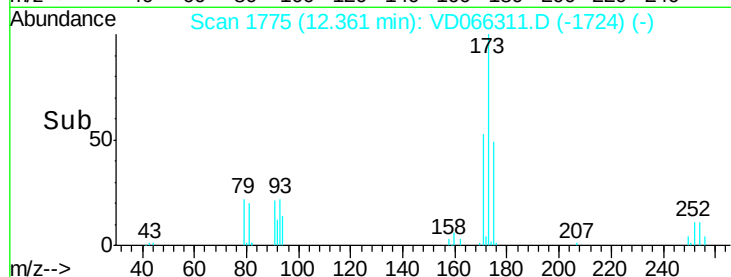
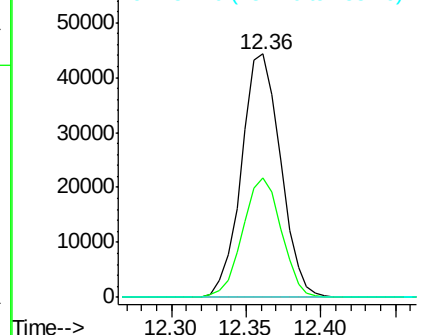
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

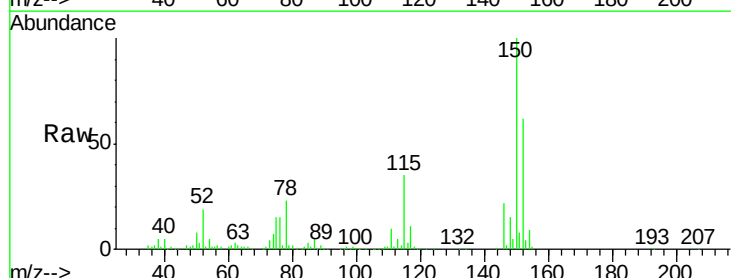
Tgt Ion:152 Resp: 167971

Ion Ratio Lower Upper

152 100

115 57.4 28.0 83.9

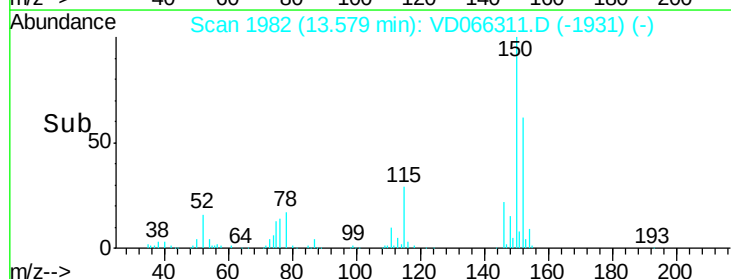
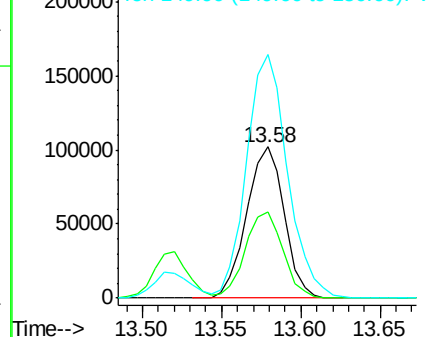
150 175.9 0.0 346.4

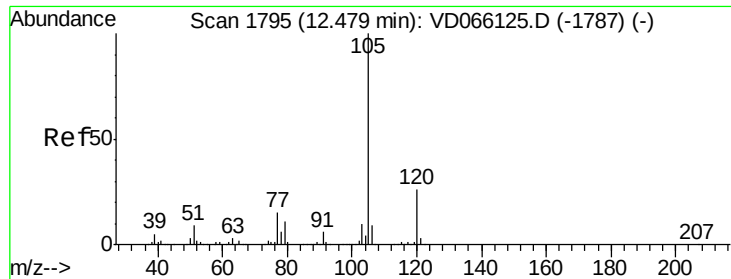


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





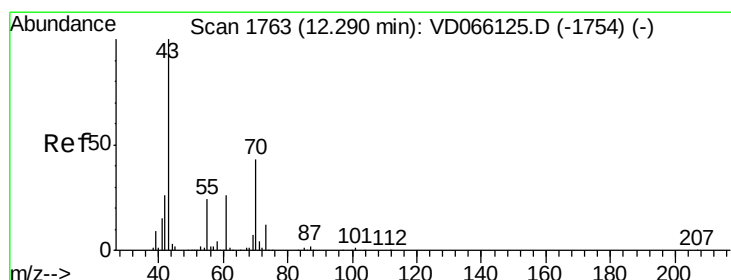
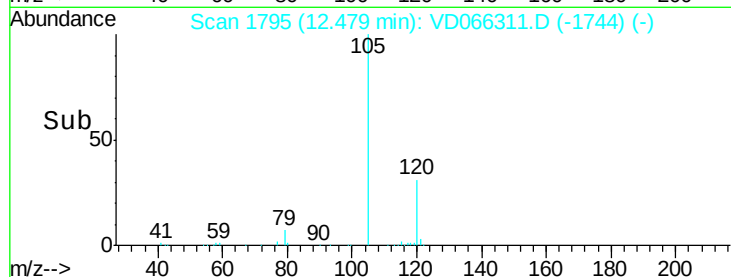
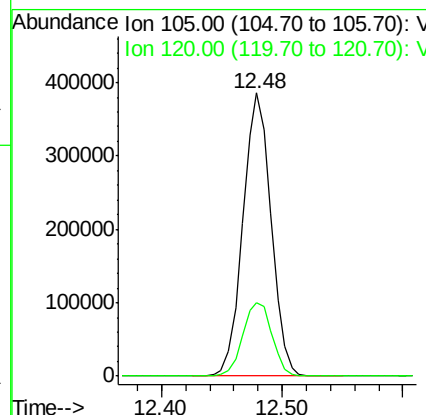
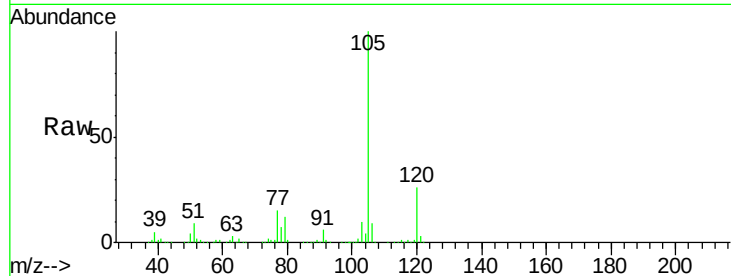
#73
Isopropylbenzene
Concen: 55.934 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

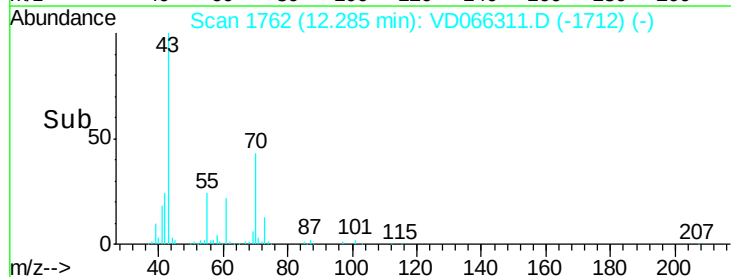
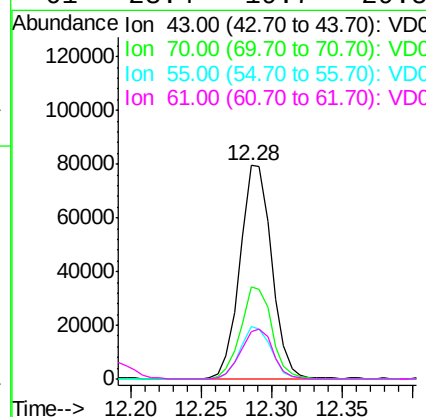
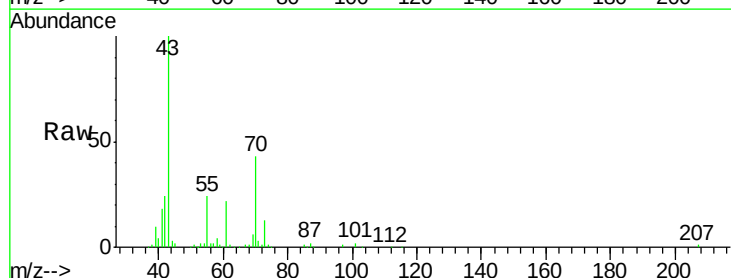
Manual Integrations
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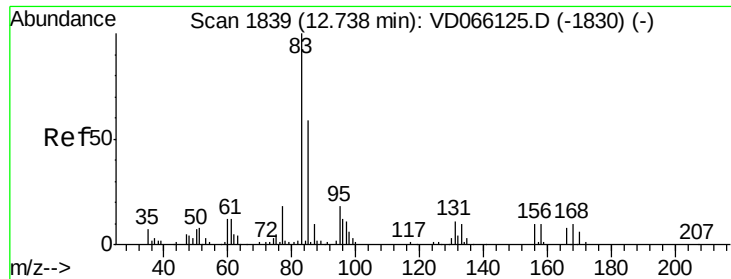
MMDadoda
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#74
N-ethyl acetate
Concen: 50.781 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.9	52.3
55	24.1	19.2	28.8
61	23.4	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.376 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

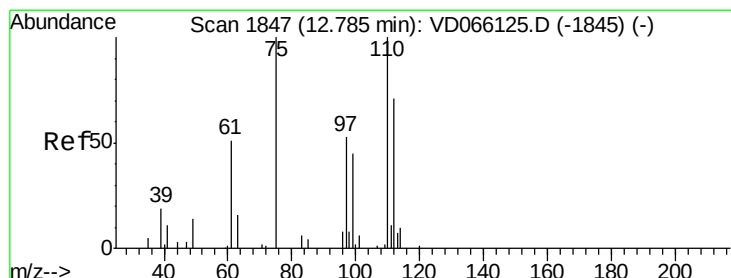
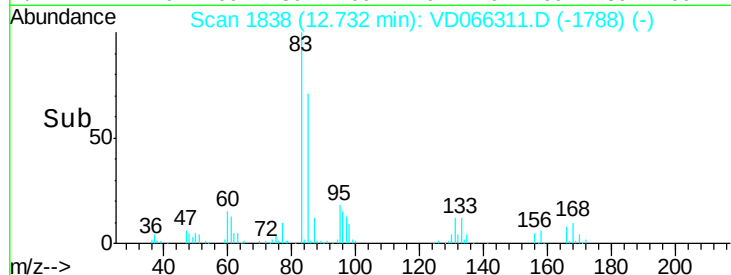
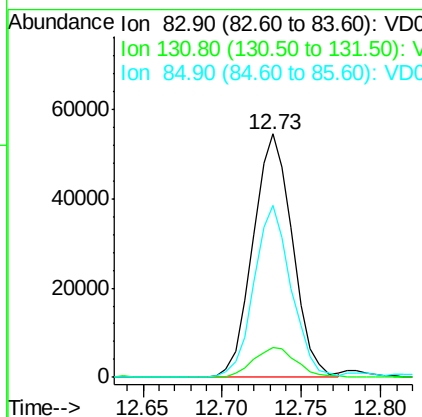
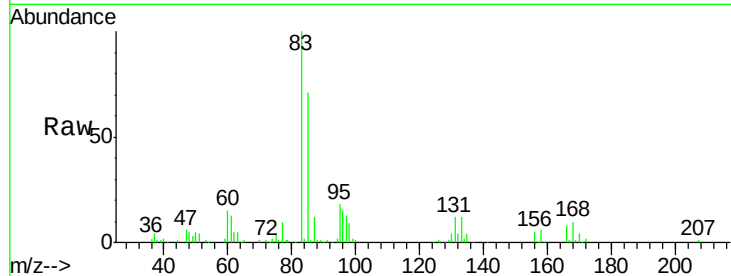
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	94403
Ion Ratio	Lower	Upper	
83	100		
131	13.3	6.2	18.6
85	66.4	32.4	97.2

Manual Integrations
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8/20/2020 3:36:48 PM



#76

1,2,3-Trichloropropane

Concen: 45.392 ug/l m

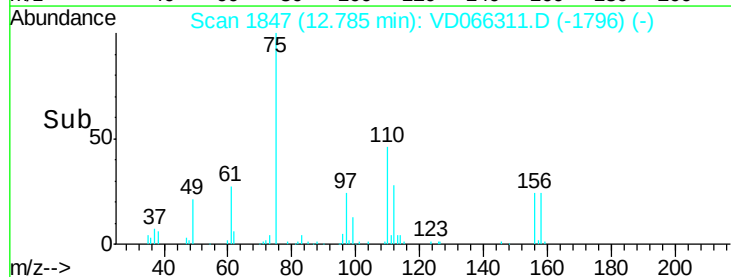
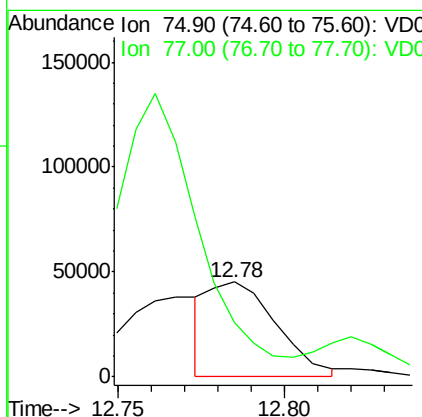
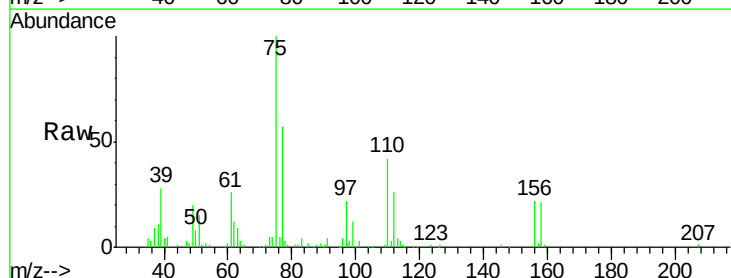
RT: 12.78 min Scan# 1847

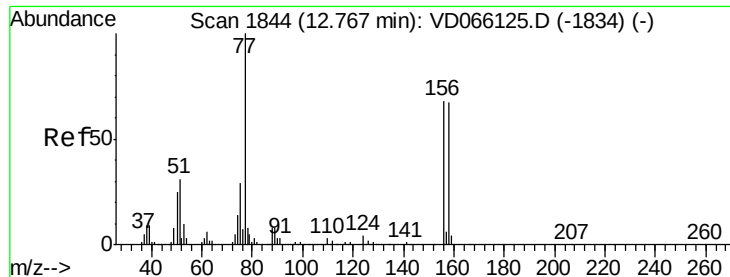
Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Tgt Ion:	75	Resp:	63583
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.181 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

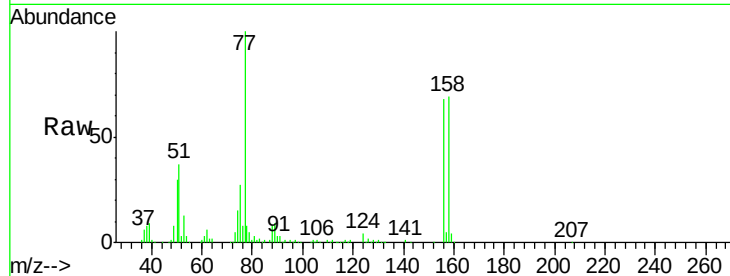
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	153496
Ion Ratio	Lower	Upper	
156	100		
77	159.2	81.0	243.1
158	98.4	48.8	146.3

Manual Integrations
APPROVED

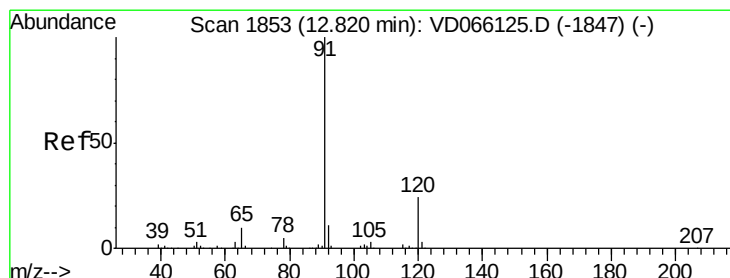
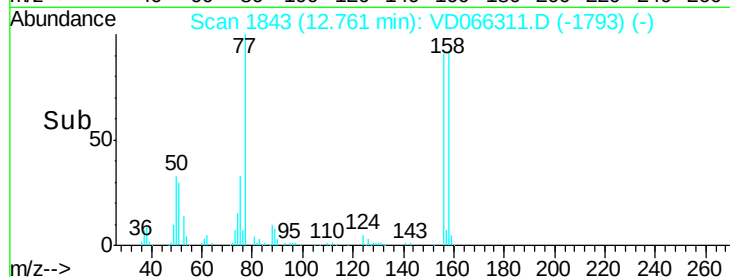
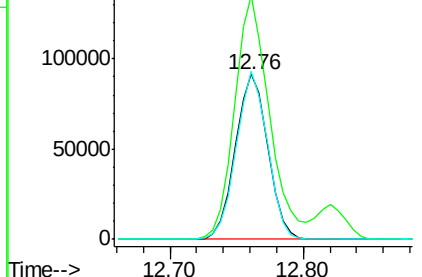
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.444 ug/l

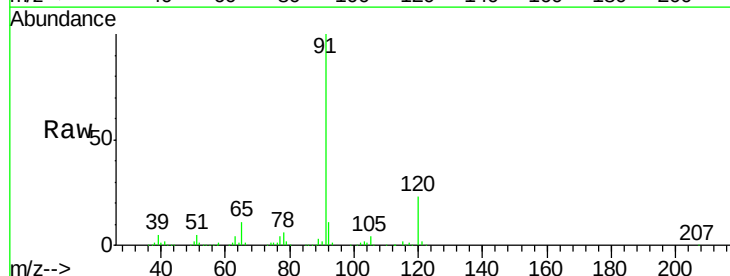
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066311.D

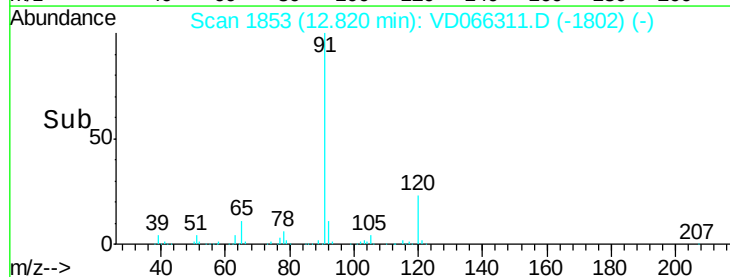
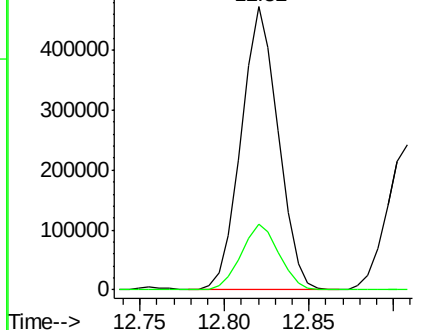
Acq: 19 Aug 2020 11:16

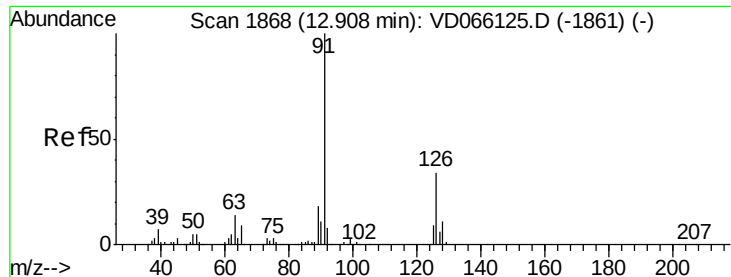
Tgt Ion:	91	Resp:	722639
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.388 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 405430

Ion Ratio Lower Upper

91 100

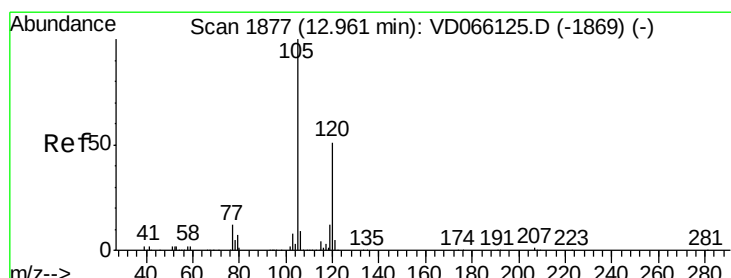
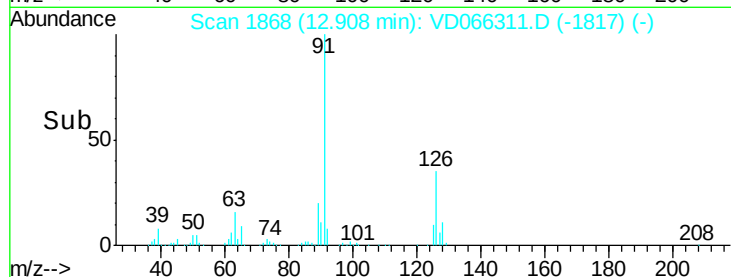
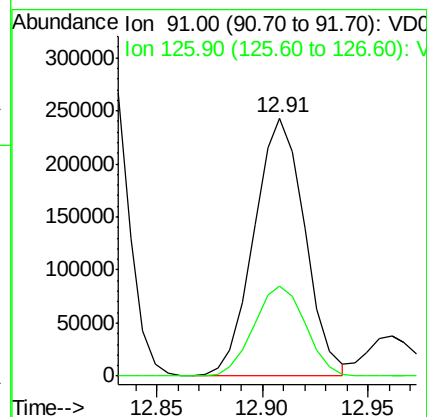
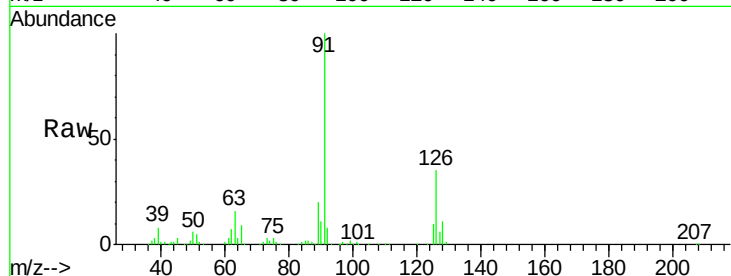
126 35.6 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 56.632 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066311.D

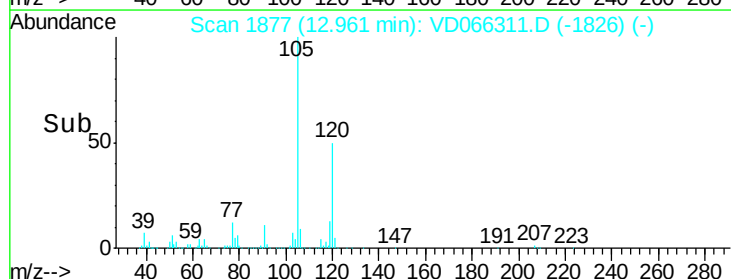
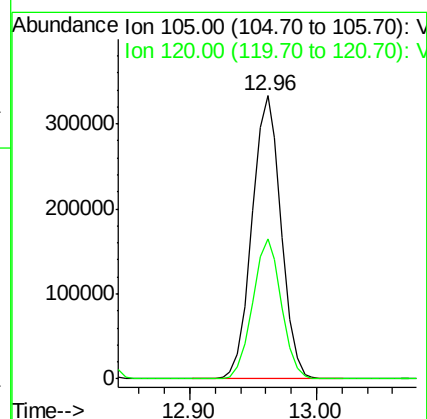
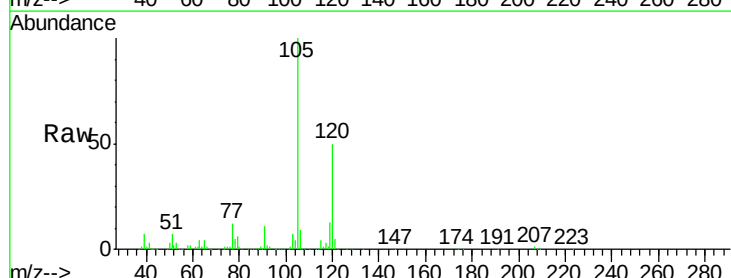
Acq: 19 Aug 2020 11:16

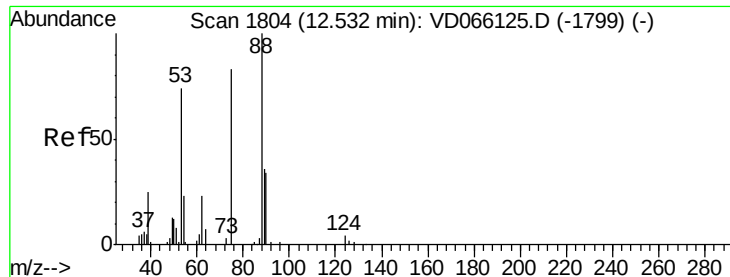
Tgt Ion: 105 Resp: 531042

Ion Ratio Lower Upper

105 100

120 49.0 25.3 75.8





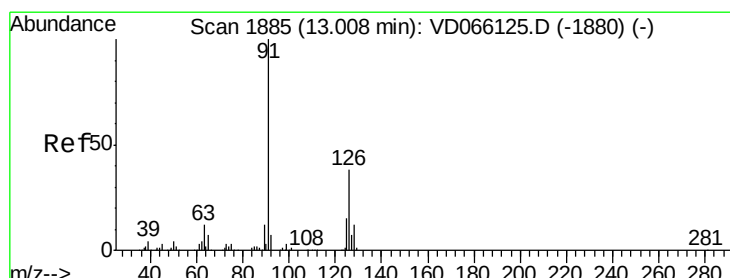
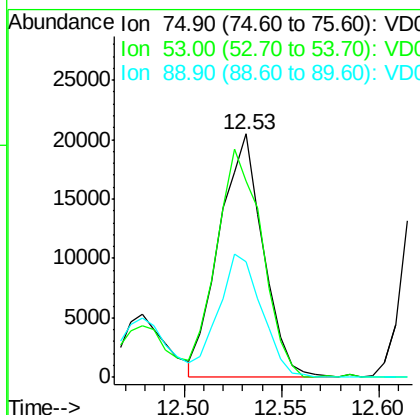
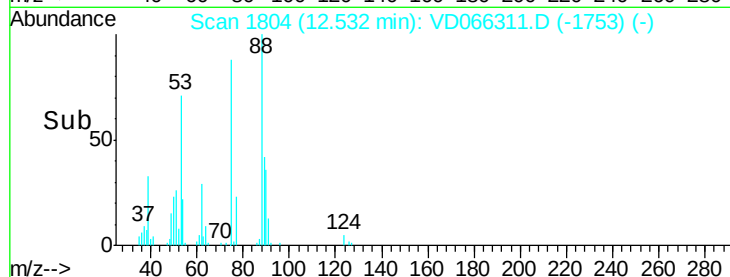
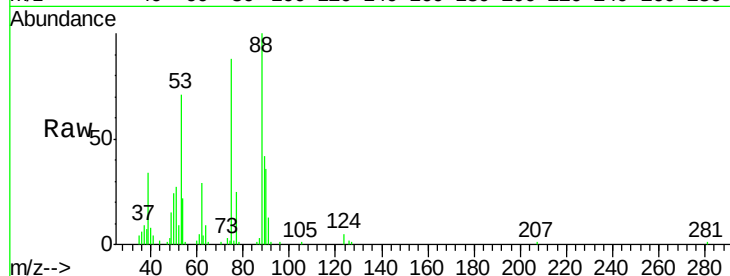
#81
trans-1,4-Dichloro-2-butene
Concen: 50.479 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.7	73.4	110.2
89	50.4	36.6	55.0

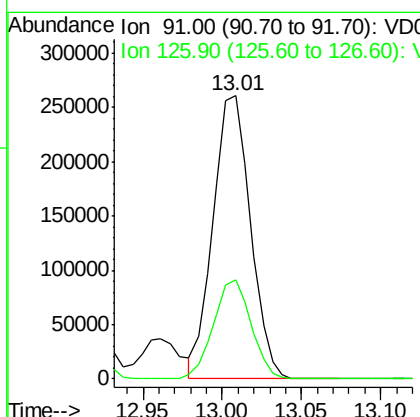
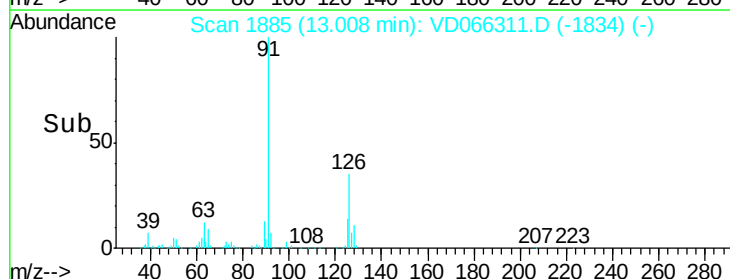
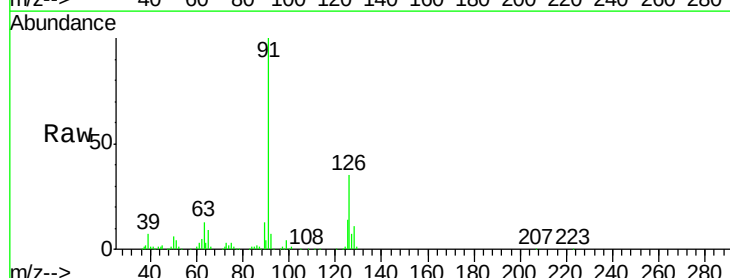
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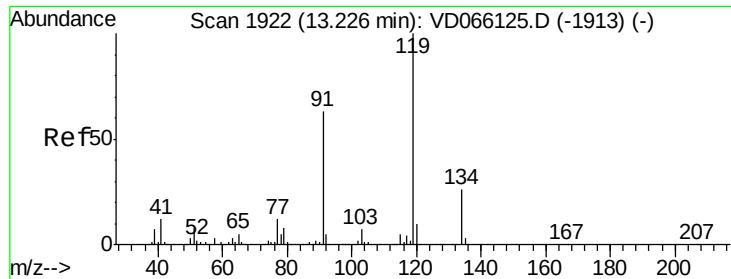
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#82
4-Chlorotoluene
Concen: 54.459 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





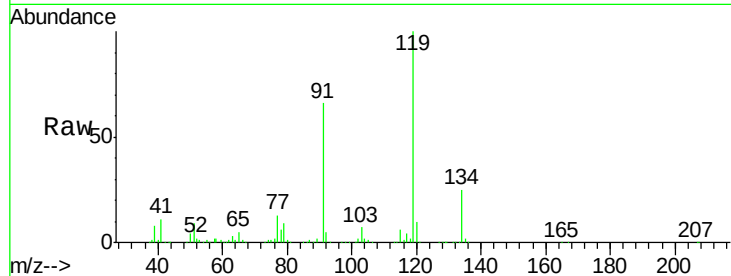
#83
tert-Butylbenzene
Concen: 55.696 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

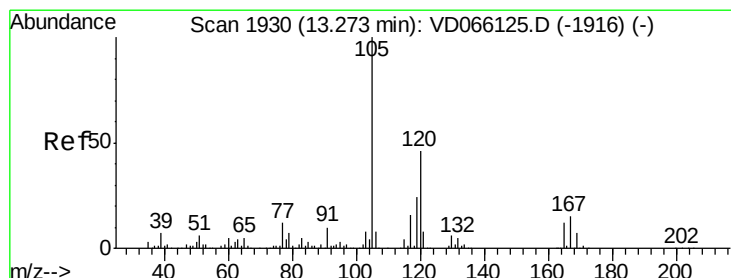
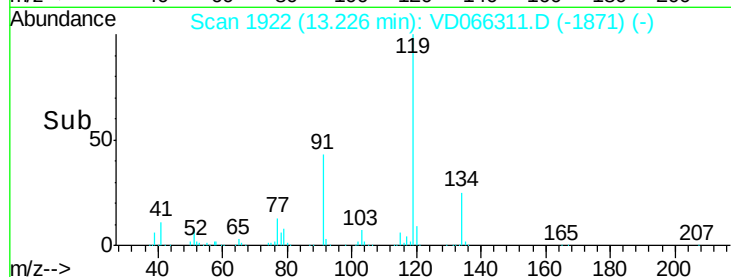
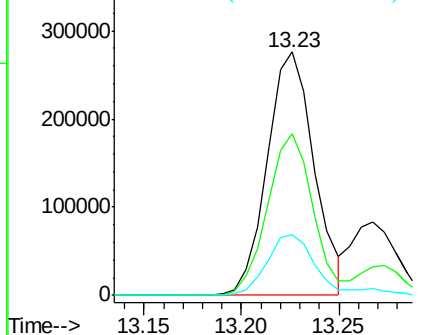
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	30.8	92.4
134	25.1	13.6	40.8

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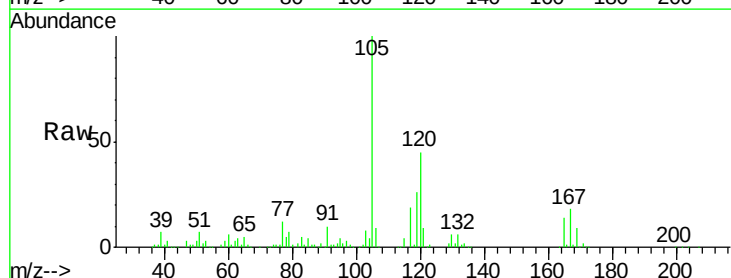


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

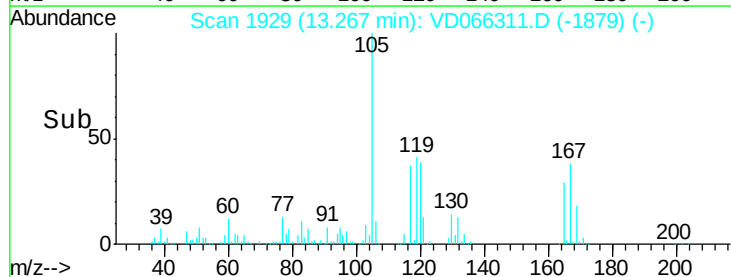
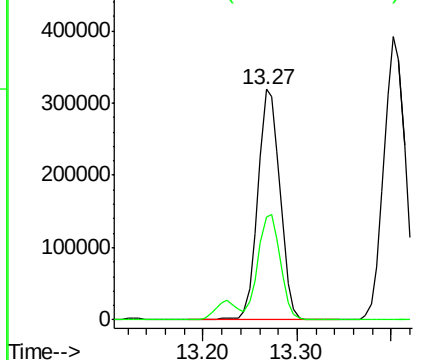


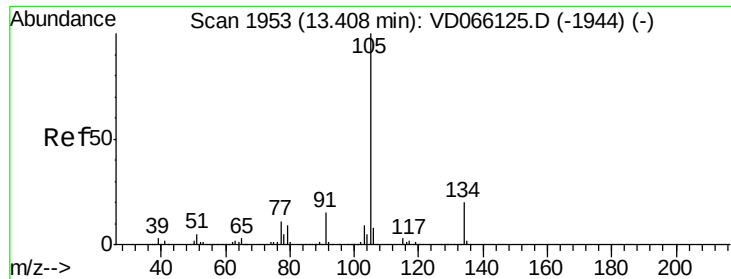
#84
1,2,4-Trimethylbenzene
Concen: 55.380 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.562 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 618625

Ion Ratio Lower Upper

105 100

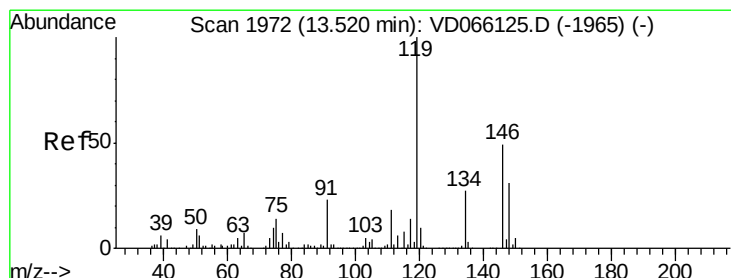
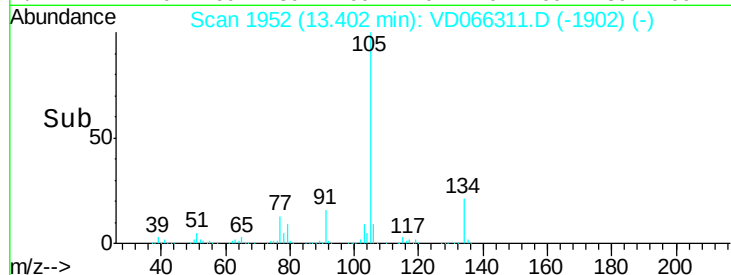
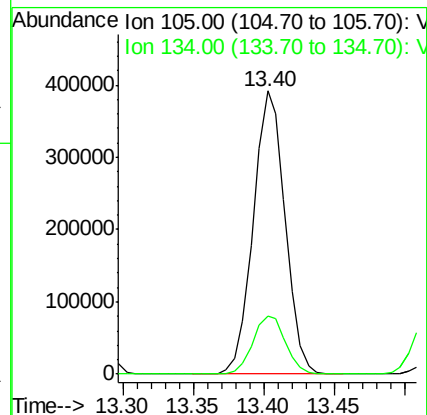
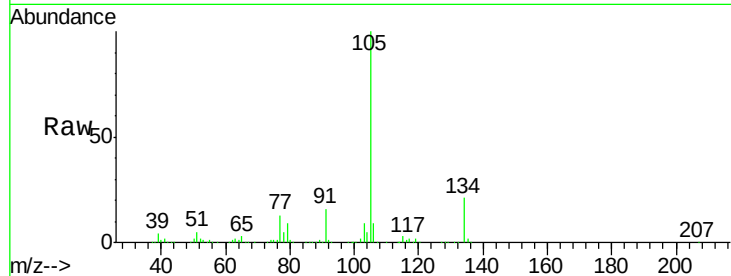
134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 56.405 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

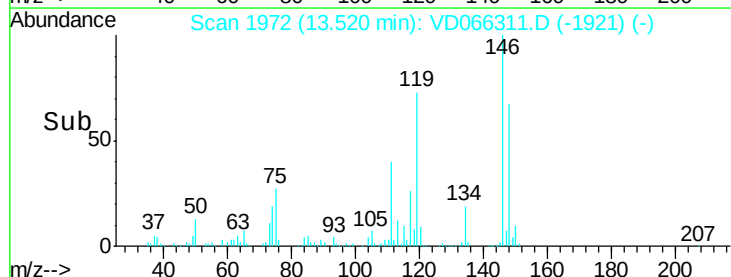
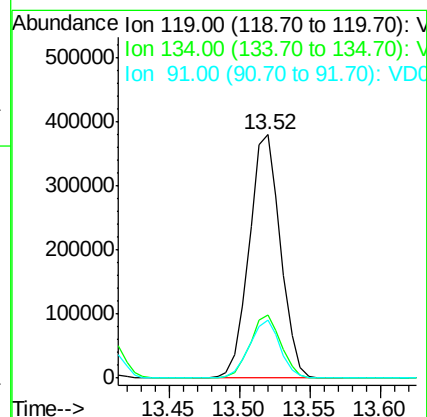
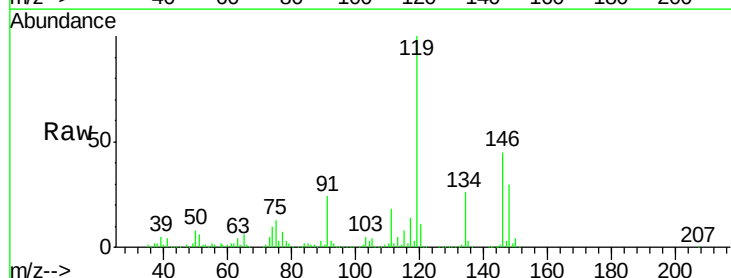
Tgt Ion:119 Resp: 589019

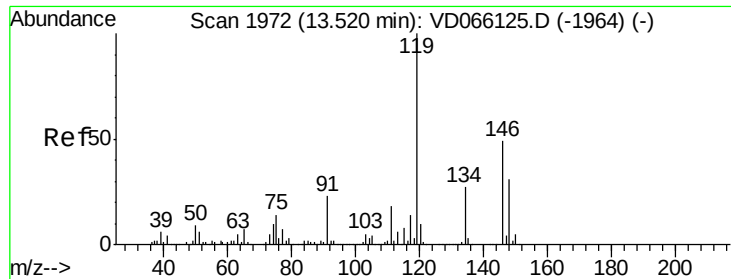
Ion Ratio Lower Upper

119 100

134 25.8 13.5 40.4

91 23.5 11.2 33.5





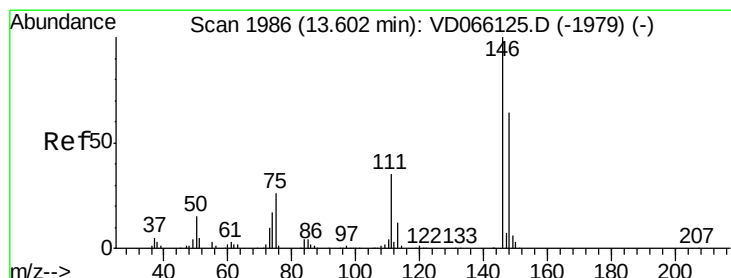
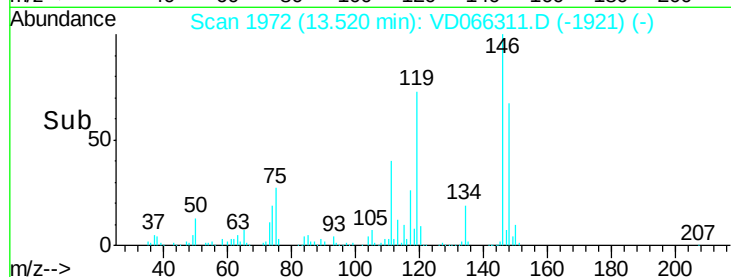
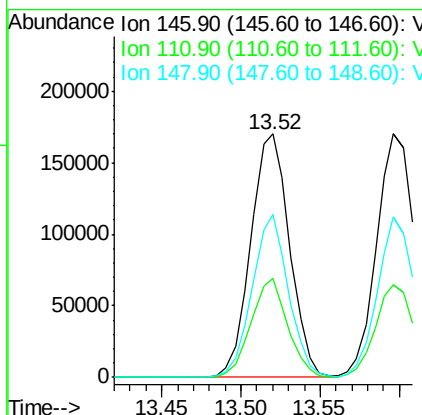
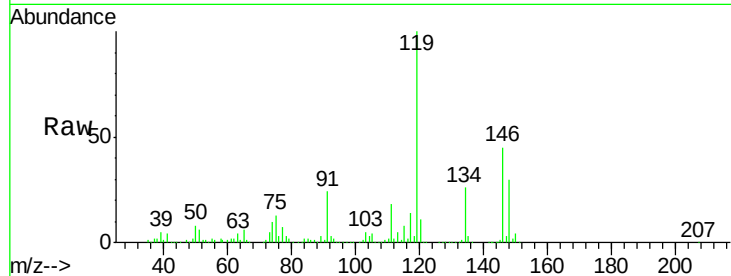
#87
 1,3-Dichlorobenzene
 Concen: 53.408 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	289722		
111	38.5	18.9	56.9	
148	62.5	31.8	95.3	

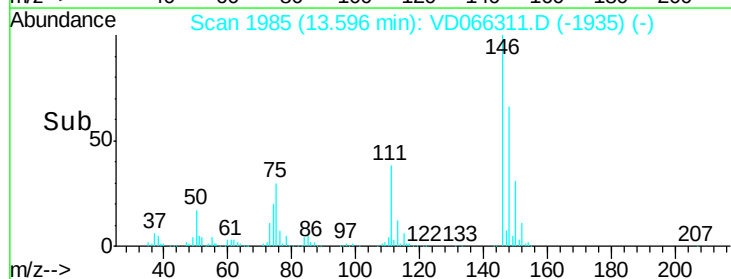
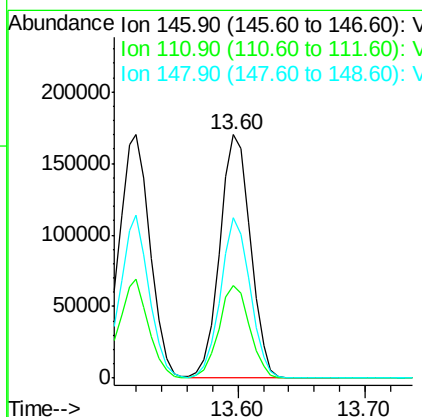
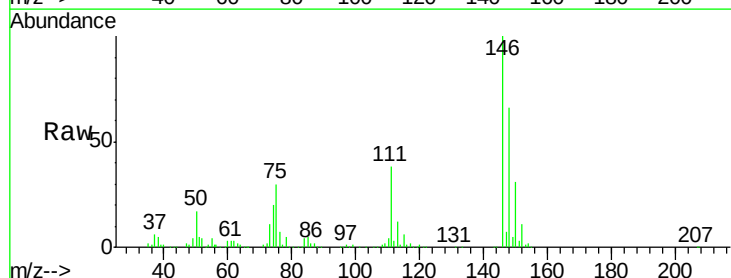
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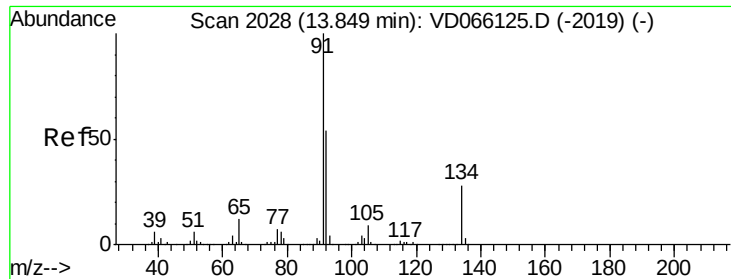
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#88
 1,4-Dichlorobenzene
 Concen: 52.647 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	284820		
111	38.3	18.6	55.8	
148	63.6	32.4	97.0	





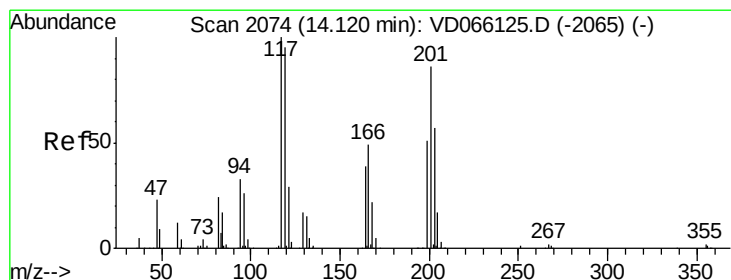
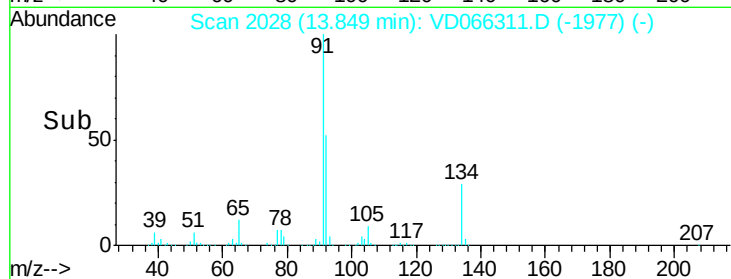
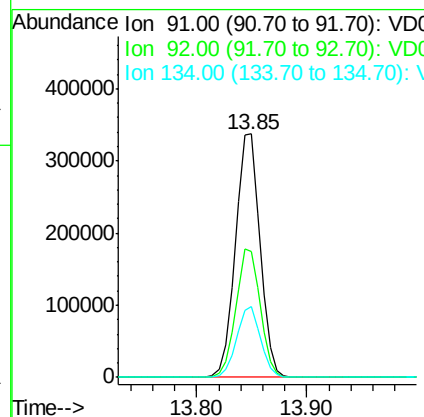
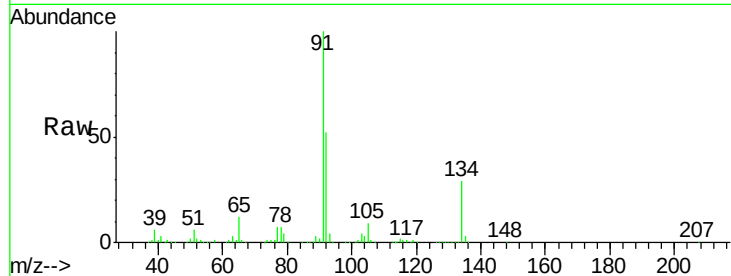
#89
n-Butylbenzene
Concen: 56.557 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	26.8	80.3	
134	28.0	14.0	41.9	

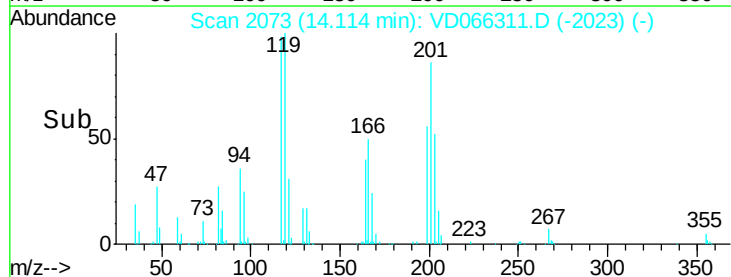
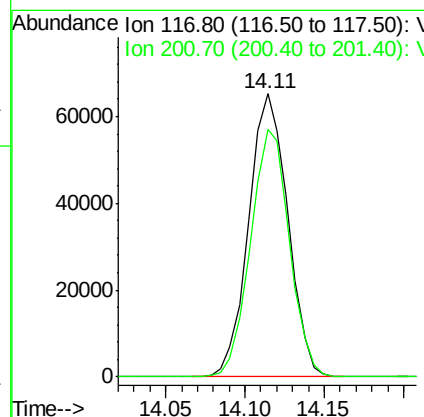
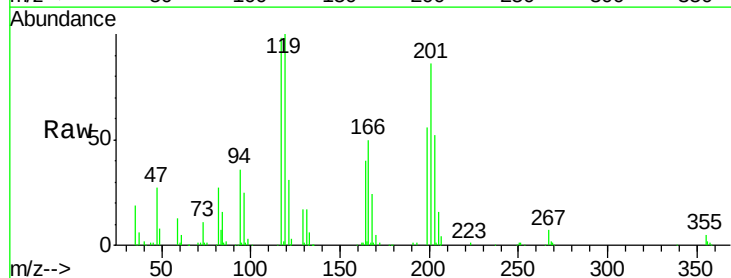
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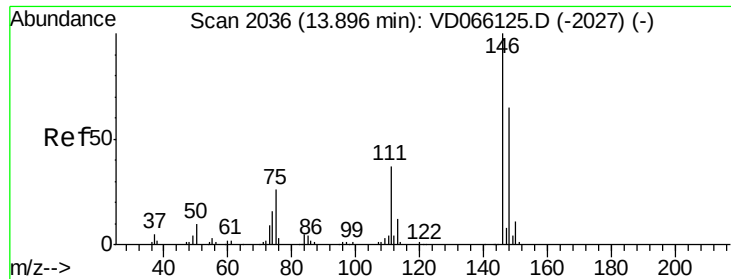
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#90
Hexachloroethane
Concen: 53.698 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066311.D
Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.7	42.7	128.1	





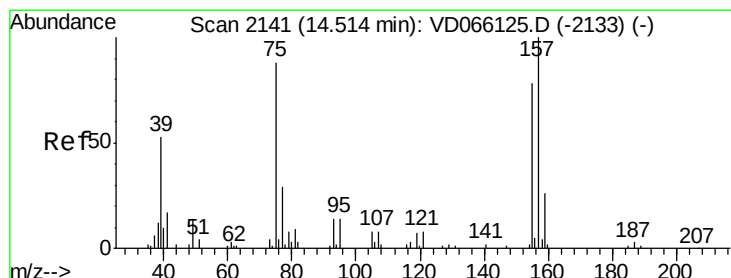
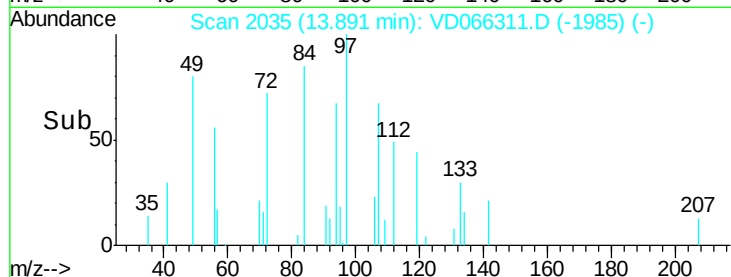
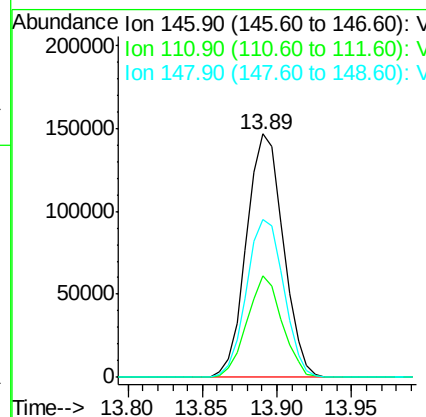
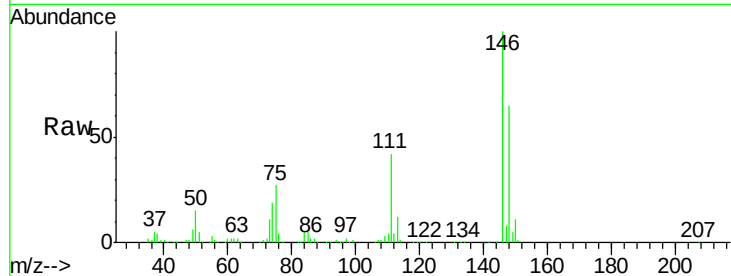
#91
 1,2-Dichlorobenzene
 Concen: 52.137 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250126		
111	39.9	18.8	56.3	
148	65.6	31.9	95.5	

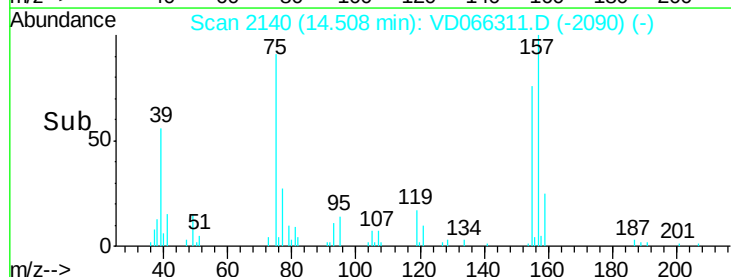
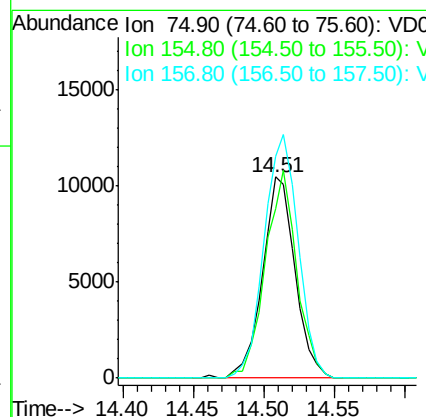
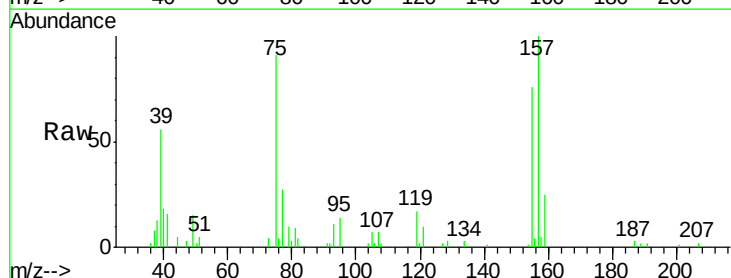
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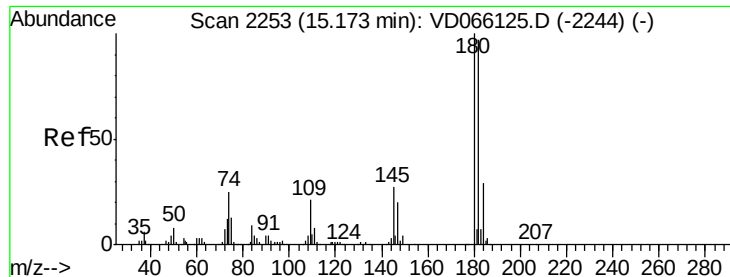
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.738 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17001		
155	99.6	47.7	143.1	
157	125.8	62.1	186.2	





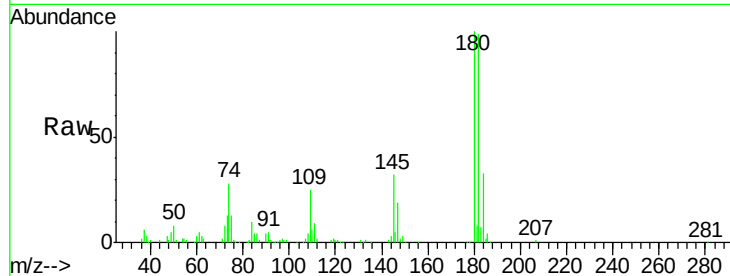
#93
 1,2,4-Trichlorobenzene
 Concen: 53.700 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

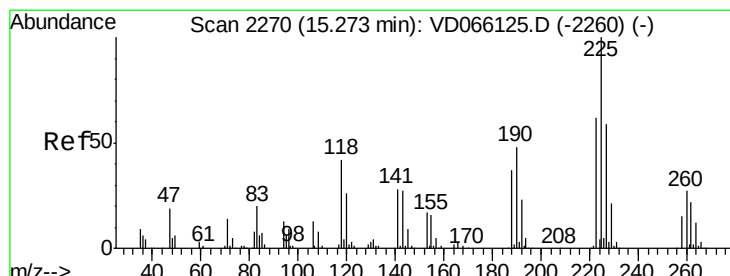
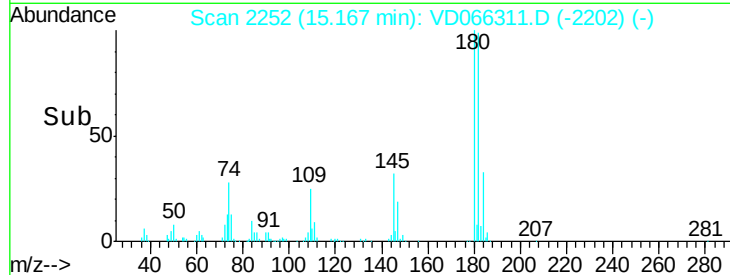
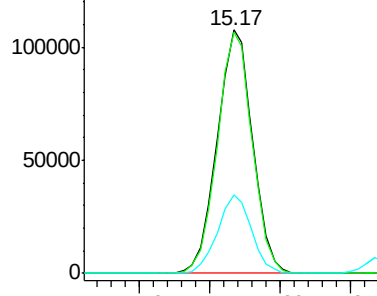
Tot Ion:	180	Resp:	189852
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.4	142.2
145	30.7	14.5	43.6

Manual Integrations
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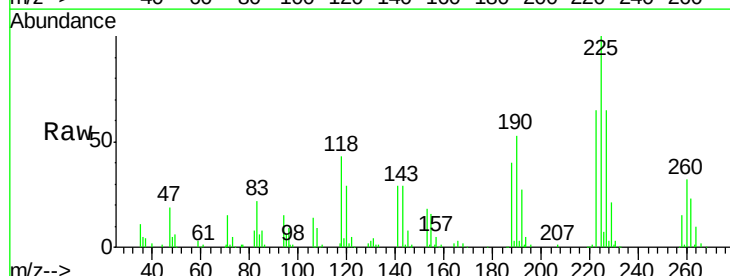


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

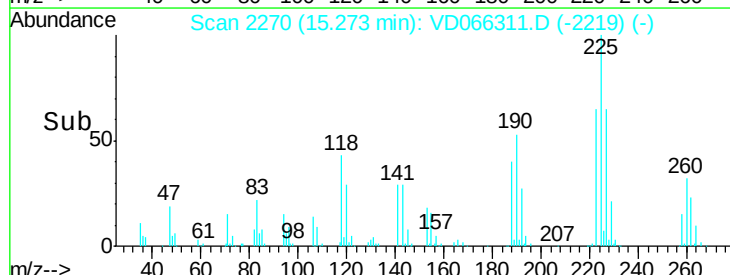
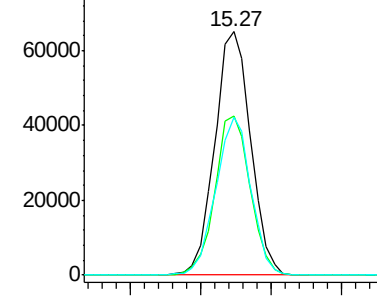


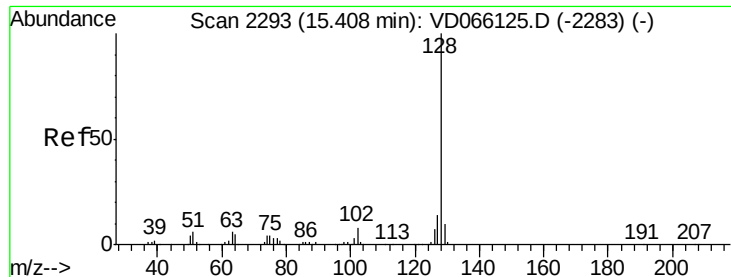
#94
 Hexachlorobutadiene
 Concen: 55.795 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066311.D
 Acq: 19 Aug 2020 11:16

Tgt Ion:	225	Resp:	116160
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.3	96.9
227	63.3	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.213 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Instrument :

MSVOA_D

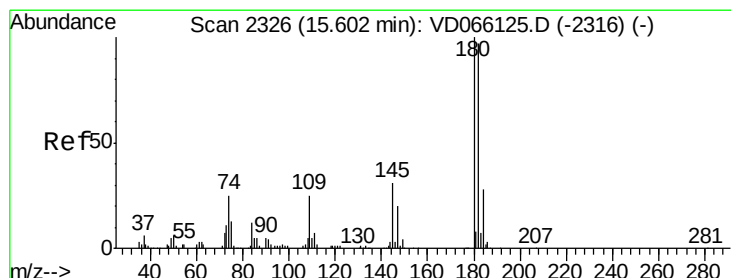
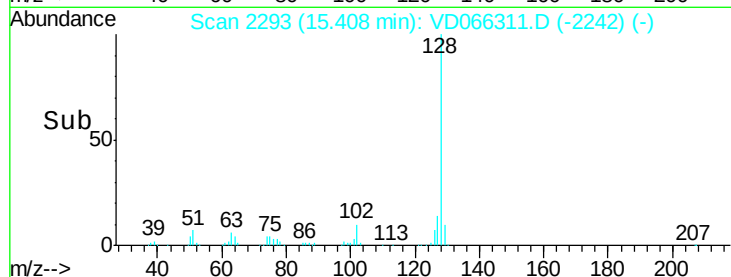
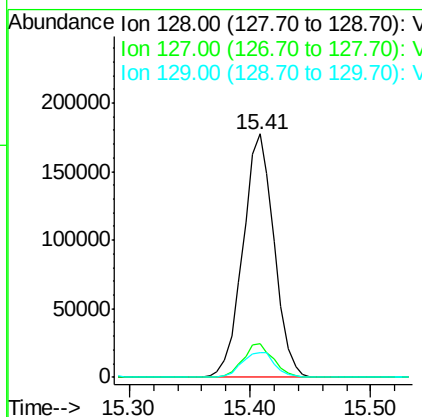
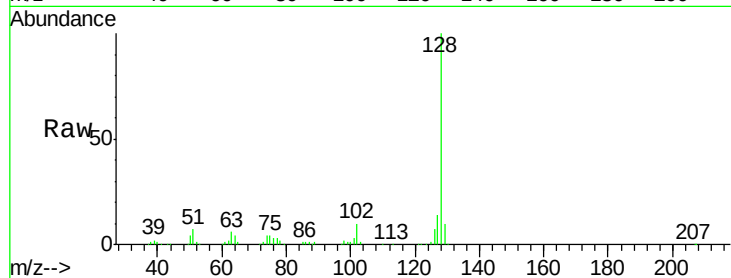
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	318065
Ion Ratio	Lower	Upper	
128	100		
127	13.6	11.0	16.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:36:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.711 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066311.D

Acq: 19 Aug 2020 11:16

Tgt Ion:	180	Resp:	170752
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.1	141.4
145	31.5	14.9	44.9

