

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067290.D
 Acq On : 16 Oct 2020 10:46
 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
 10/19/2020 11:09:25 AM

Quant Time: Oct 17 00:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162337	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.91	113	161683	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.34	98	590276	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	207090	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	129796	48.508	ug/l	95
3) Chloromethane	2.21	50	91071	43.527	ug/l	98
4) Vinyl Chloride	2.35	62	105200	45.825	ug/l	99
5) Bromomethane	2.77	94	79092	49.485	ug/l	95
6) Chloroethane	2.92	64	64582	45.172	ug/l	89
7) Trichlorofluoromethane	3.27	101	273341	47.285	ug/l	100
8) Diethyl Ether	3.71	74	59712	45.141	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	143624	46.764	ug/l	99
10) Methyl Iodide	4.30	142	131498	46.414	ug/l	98
11) Tert butyl alcohol	5.21	59	40766	232.165	ug/l	97
12) 1,1-Dichloroethene	4.07	96	127811	46.582	ug/l	93
13) Acrolein	3.92	56	41362	211.444	ug/l	98
14) Allyl chloride	4.71	41	142837	45.458	ug/l	98
15) Acrylonitrile	5.42	53	103967	235.552	ug/l	98
16) Acetone	4.16	43	123309	264.349	ug/l	99
17) Carbon Disulfide	4.41	76	351621	44.953	ug/l	99
18) Methyl Acetate	4.71	43	48474	45.561	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	257924	47.275	ug/l	99
20) Methylene Chloride	4.96	84	140841	46.854	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	146318	46.340	ug/l	93
22) Diisopropyl ether	6.36	45	283791	49.441	ug/l	97
23) Vinyl Acetate	6.30	43	821816	251.659	ug/l	99
24) 1,1-Dichloroethane	6.26	63	232596	47.338	ug/l	99
25) 2-Butanone	7.21	43	125903	236.784	ug/l	91
26) 2,2-Dichloropropane	7.21	77	243816	48.143	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	164944	47.664	ug/l	98
28) Bromochloromethane	7.55	49	82200	49.048	ug/l #	98
29) Tetrahydrofuran	7.56	42	70237	237.631	ug/l	93
30) Chloroform	7.71	83	282441	48.119	ug/l	93
31) Cyclohexane	7.98	56	171666	44.749	ug/l	87
32) 1,1,1-Trichloroethane	7.91	97	281734	48.920	ug/l	99
36) 1,1-Dichloropropene	8.11	75	202774	49.484	ug/l	99
37) Ethyl Acetate	7.29	43	59195	49.099	ug/l #	92
38) Carbon Tetrachloride	8.10	117	261474	49.925	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067290.D
 Acq On : 16 Oct 2020 10:46
 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
 10/19/2020 11:09:25 AM

Quant Time: Oct 17 00:43:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214458	50.061	ug/l	99
40) Benzene	8.35	78	562236	50.013	ug/l	98
41) Methacrylonitrile	7.53	41	34540	53.016	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	174207	49.518	ug/l	100
43) Isopropyl Acetate	8.45	43	115939	48.464	ug/l	99
44) Trichloroethene	9.11	130	177995	49.452	ug/l	96
45) 1,2-Dichloropropane	9.39	63	125145	48.034	ug/l	94
46) Dibromomethane	9.48	93	79096	48.726	ug/l	97
47) Bromodichloromethane	9.67	83	219275	50.418	ug/l	95
48) Methyl methacrylate	9.46	41	58696	50.488	ug/l	95
49) 1,4-Dioxane	9.46	88	15994	1018.716	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	294181	246.548	ug/l	100
52) Toluene	10.40	92	392074	51.206	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	194629	50.943	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	218463	48.860	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	111321	50.291	ug/l	98
56) Ethyl methacrylate	10.66	69	119750	52.163	ug/l	96
57) 1,3-Dichloropropane	10.95	76	179189	50.867	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	319532	271.321	ug/l	98
59) 2-Hexanone	10.99	43	213858	262.290	ug/l	98
60) Dibromochloromethane	11.14	129	162269	50.267	ug/l	99
61) 1,2-Dibromoethane	11.25	107	106924	48.997	ug/l	99
64) Tetrachloroethene	10.88	164	157591	48.372	ug/l	93
65) Chlorobenzene	11.67	112	427316	49.558	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	172443	50.319	ug/l	99
67) Ethyl Benzene	11.75	91	746442	50.501	ug/l	99
68) m/p-Xylenes	11.86	106	576641	101.310	ug/l	99
69) o-Xylene	12.18	106	259686	49.270	ug/l	99
70) Styrene	12.20	104	462706	50.997	ug/l	99
71) Bromoform	12.37	173	92461	50.221	ug/l #	97
73) Isopropylbenzene	12.48	105	750450	52.629	ug/l	100
74) N-amyl acetate	12.29	43	105583	49.026	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	108913	49.849	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	79054m	50.767	ug/l	
77) Bromobenzene	12.77	156	180447	50.759	ug/l	99
78) n-propylbenzene	12.83	91	860508	52.085	ug/l	100
79) 2-Chlorotoluene	12.91	91	490771	51.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	647741	52.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33698	49.073	ug/l	97
82) 4-Chlorotoluene	13.01	91	527484	51.873	ug/l	99
83) tert-Butylbenzene	13.23	119	557116	53.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	647465	52.867	ug/l	98
85) sec-Butylbenzene	13.41	105	749114	52.158	ug/l	100
86) p-Isopropyltoluene	13.52	119	706268	52.099	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	341085	49.848	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	343578	50.681	ug/l	98
89) n-Butylbenzene	13.85	91	625878	52.480	ug/l	99
90) Hexachloroethane	14.11	117	118474	50.082	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	303013	50.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20172	50.821	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101620\
Data File : VD067290.D
Acq On : 16 Oct 2020 10:46
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

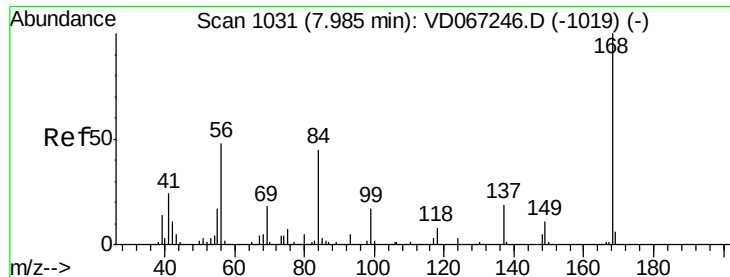
Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM

Quant Time: Oct 17 00:43:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	203221	50.424	ug/l	99
94) Hexachlorobutadiene	15.28	225	136167	54.408	ug/l	98
95) Naphthalene	15.41	128	346300	52.336	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	181584	52.153	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 332453

Ion Ratio Lower Upper

168 100

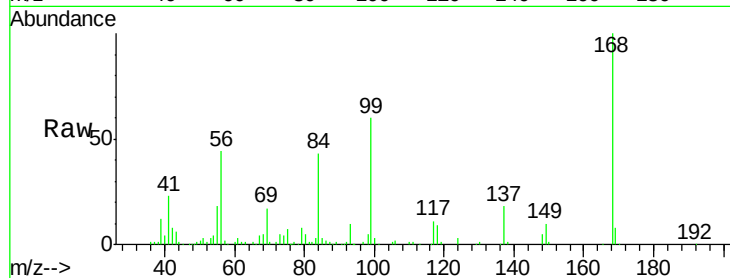
99 59.6 45.9 68.9

Manual Integrations

APPROVED

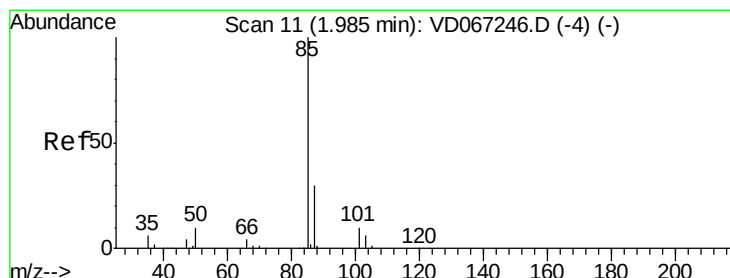
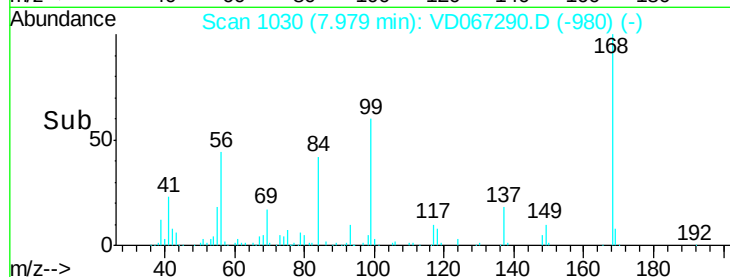
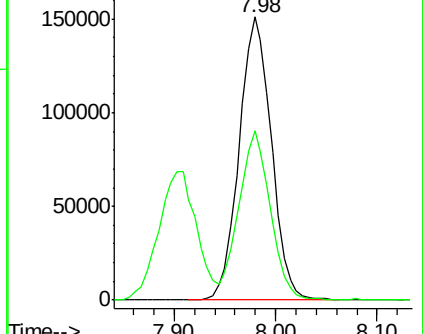
MMDadoda

10/19/2020 11:09:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.508 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067290.D

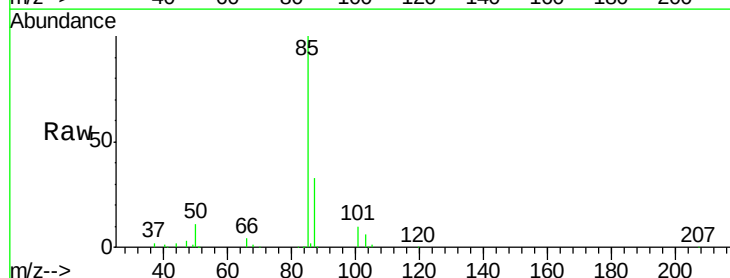
Acq: 16 Oct 2020 10:46

Tgt Ion: 85 Resp: 129796

Ion Ratio Lower Upper

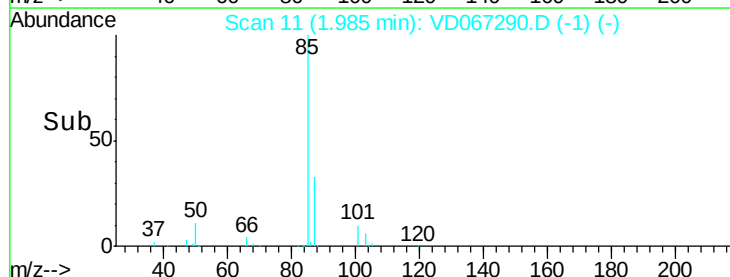
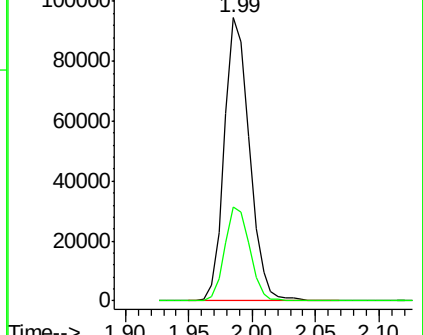
85 100

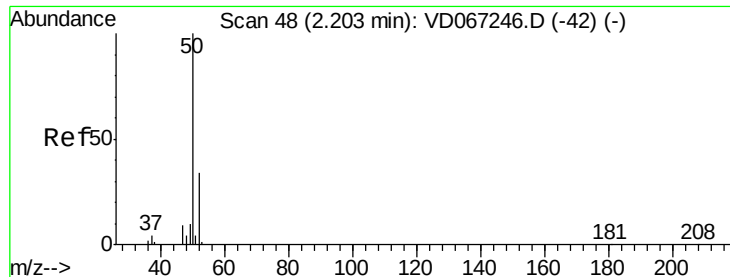
87 33.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91071

Ion Ratio Lower Upper

50 100

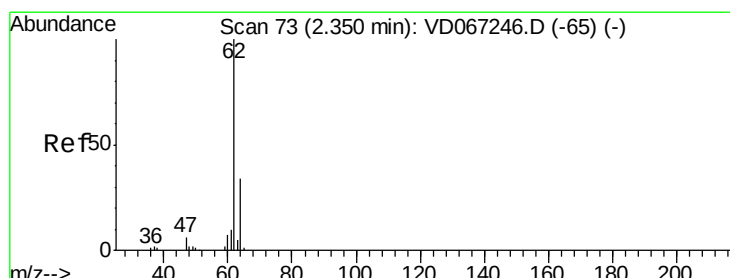
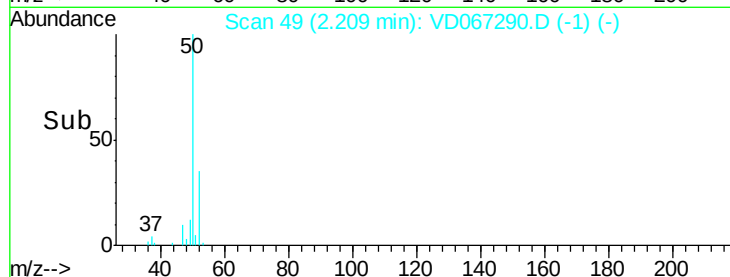
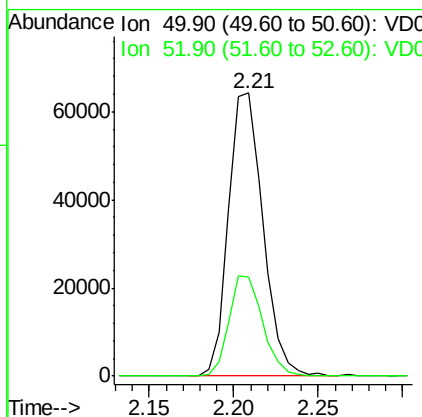
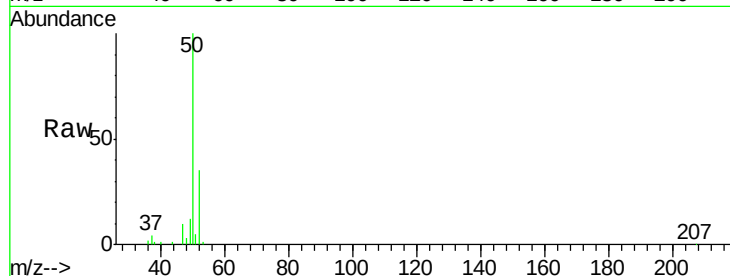
52 34.8 27.1 40.7

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:25 AM



#4

Vinyl Chloride

Concen: 45.825 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067290.D

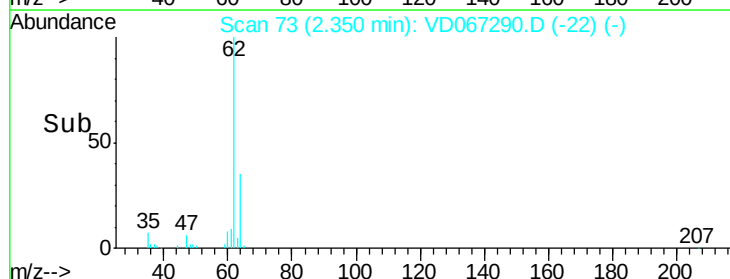
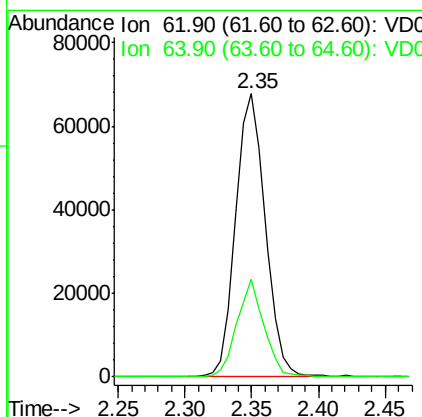
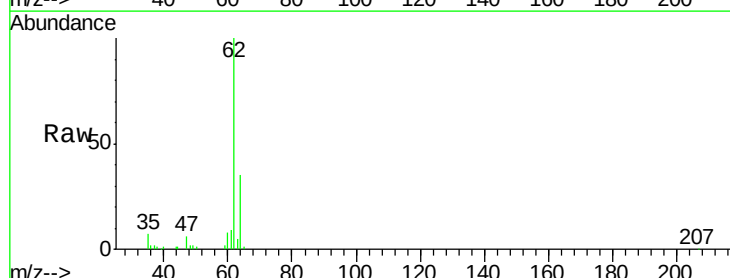
Acq: 16 Oct 2020 10:46

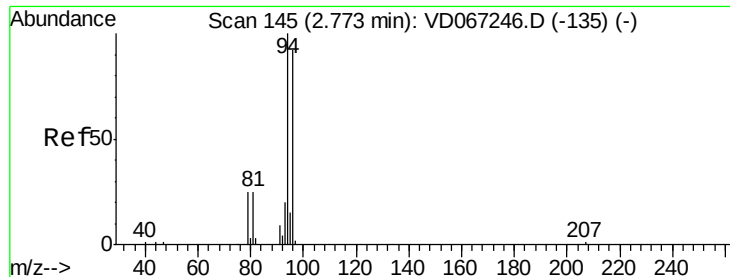
Tgt Ion: 62 Resp: 105200

Ion Ratio Lower Upper

62 100

64 34.7 27.4 41.0





#5

Bromomethane

Concen: 49.485 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79092

Ion Ratio Lower Upper

94 100

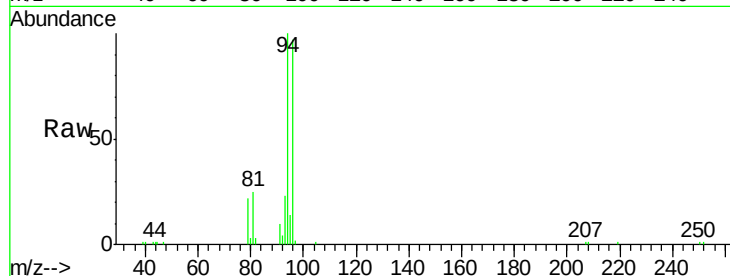
96 96.9 73.8 110.6

Manual Integrations

APPROVED

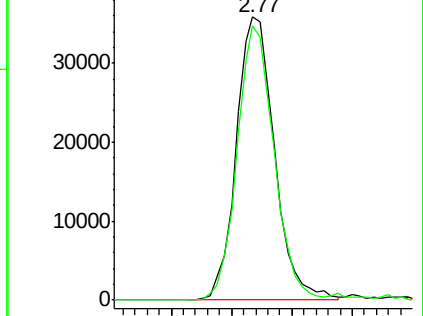
MMDadoda

10/19/2020 11:09:25 AM

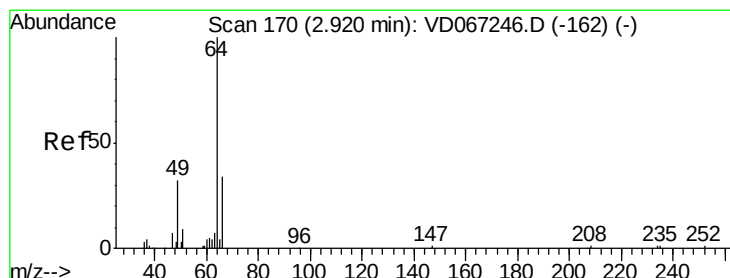
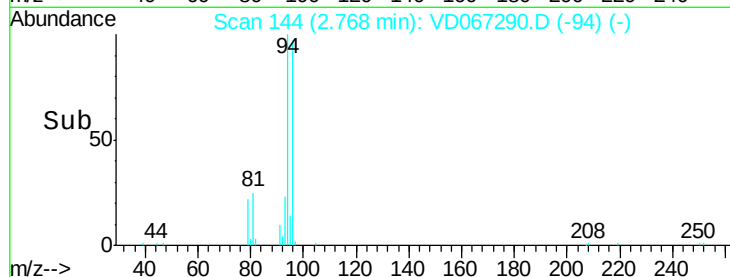


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 45.172 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067290.D

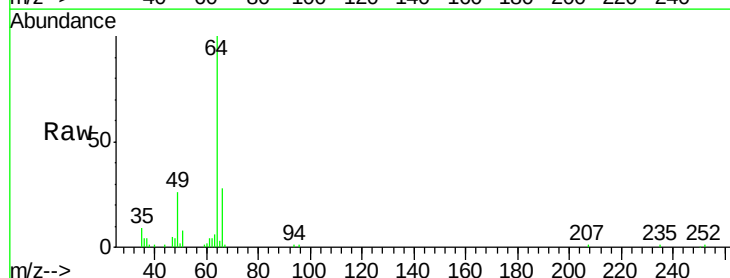
Acq: 16 Oct 2020 10:46

Tgt Ion: 64 Resp: 64582

Ion Ratio Lower Upper

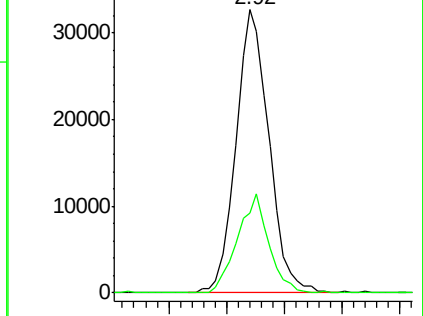
64 100

66 28.0 27.4 41.0

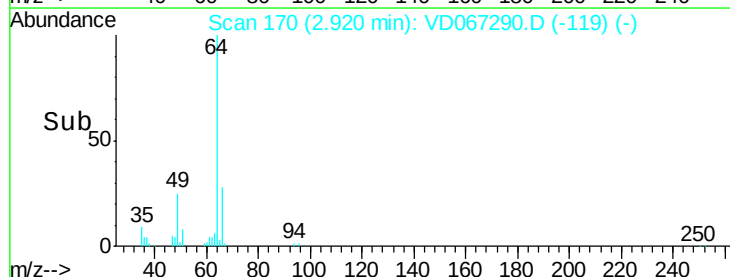


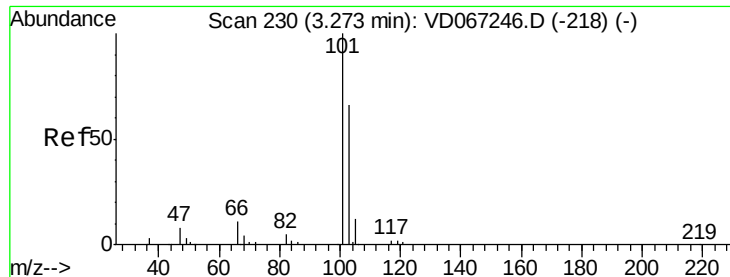
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

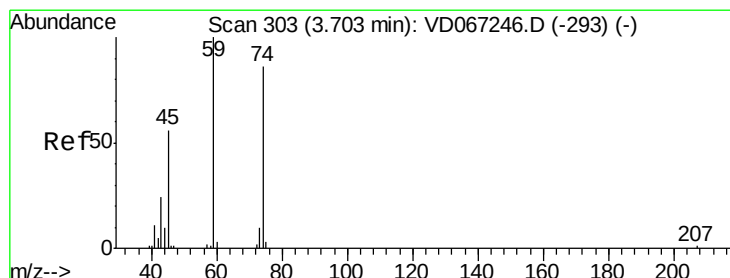
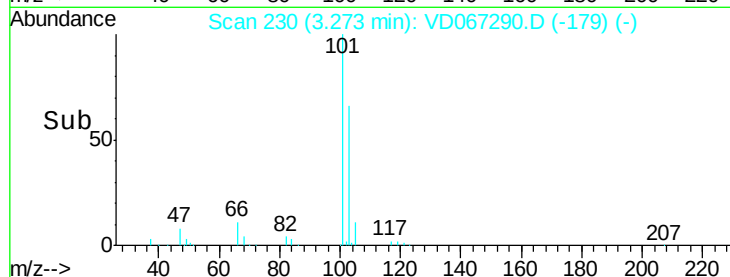
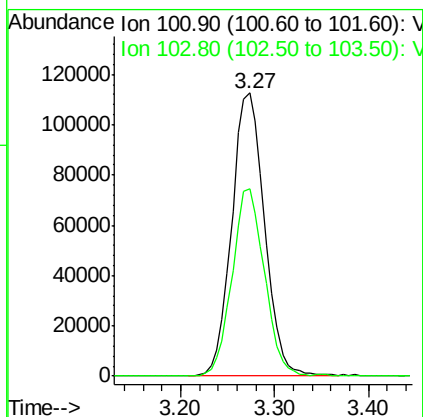
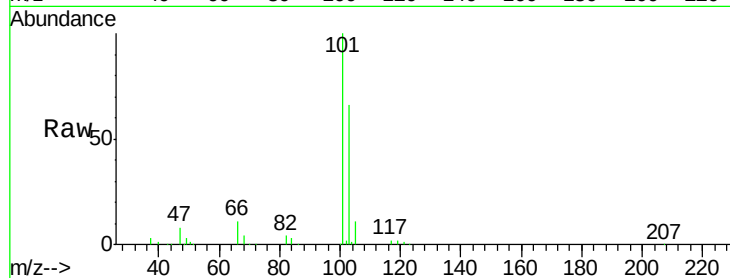
Trichlorofluoromethane
Concen: 47.285 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.1	79.7

Manual Integrations
APPROVED

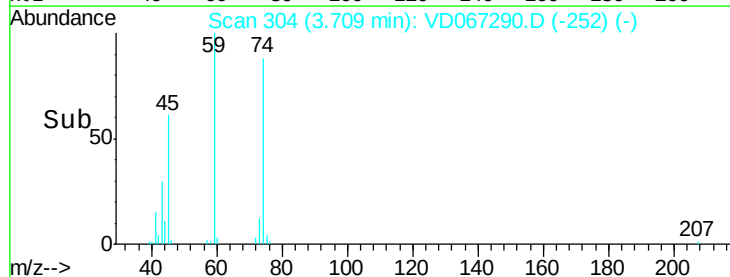
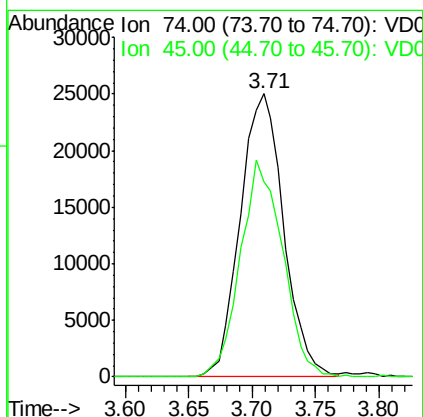
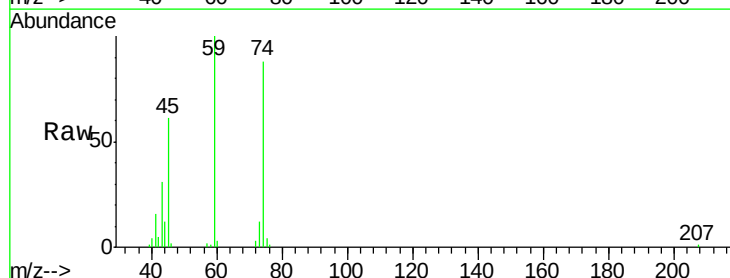
MMDadoda
10/19/2020 11:09:25 AM

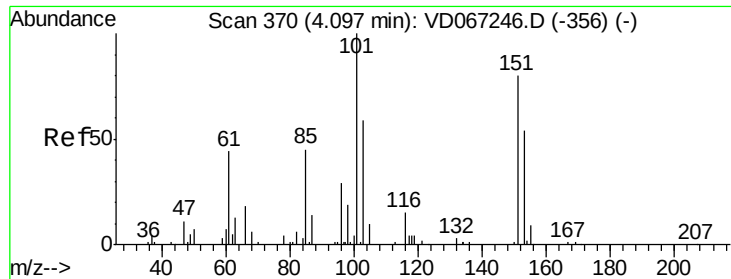


#8

Diethyl Ether
Concen: 45.141 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.3	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.764 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

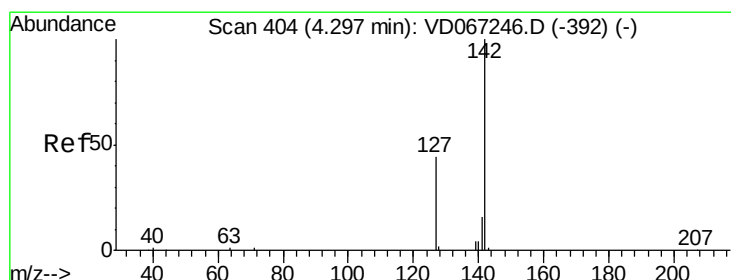
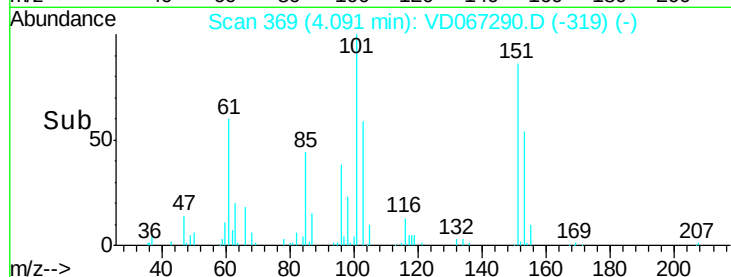
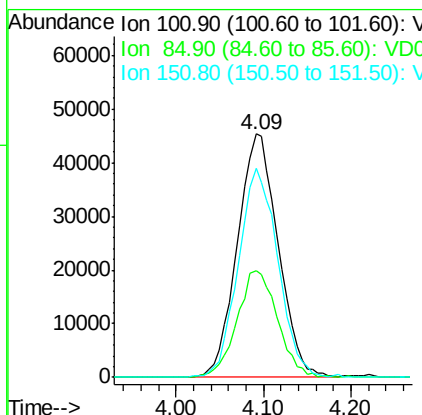
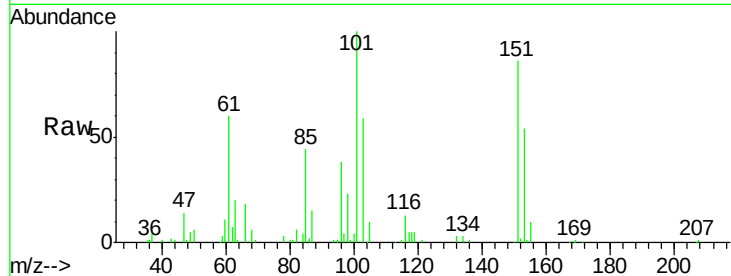
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143624
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	83.4	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#10

Methyl Iodide

Concen: 46.414 ug/l

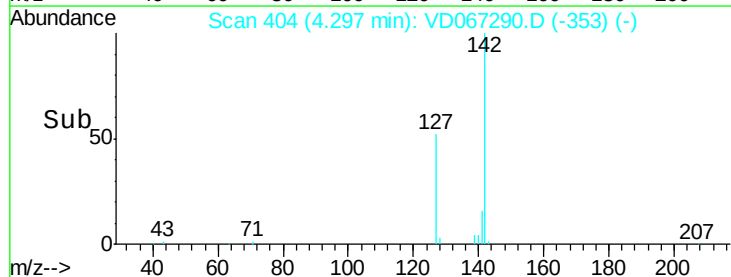
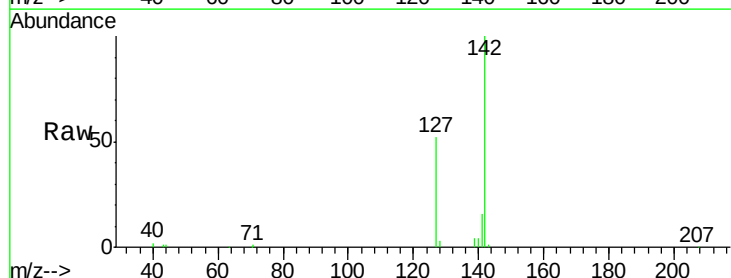
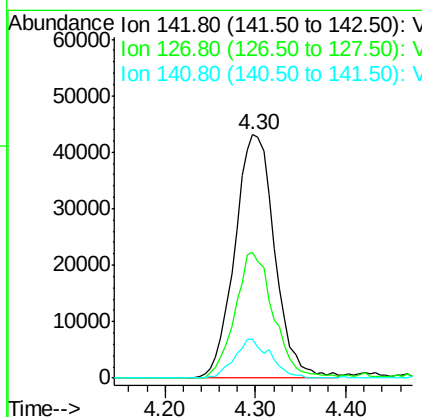
RT: 4.30 min Scan# 404

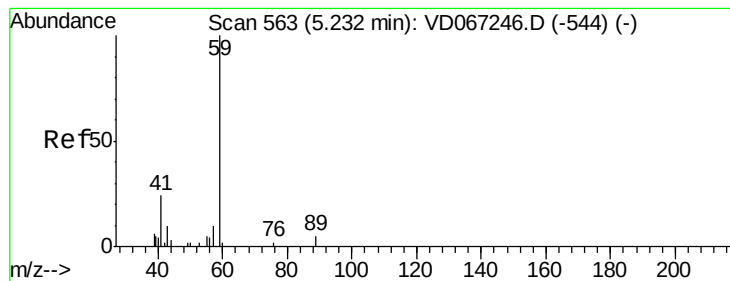
Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	142	Resp:	131498
Ion Ratio	Lower	Upper	
142	100		
127	50.0	38.4	57.6
141	14.4	11.6	17.4





#11

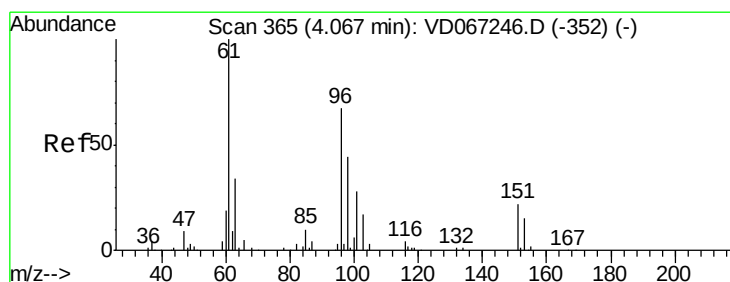
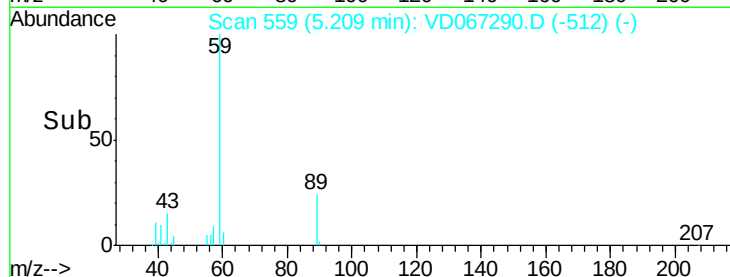
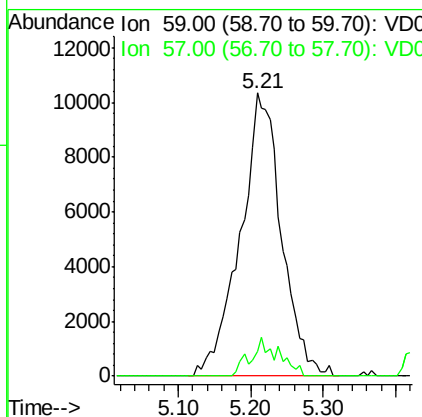
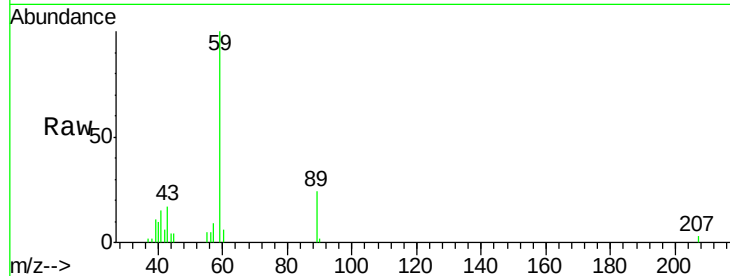
Tert butyl alcohol
Concen: 232.165 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 40766
Ion Ratio Lower Upper
59 100
57 7.5 5.1 7.7

Manual Integrations
APPROVED

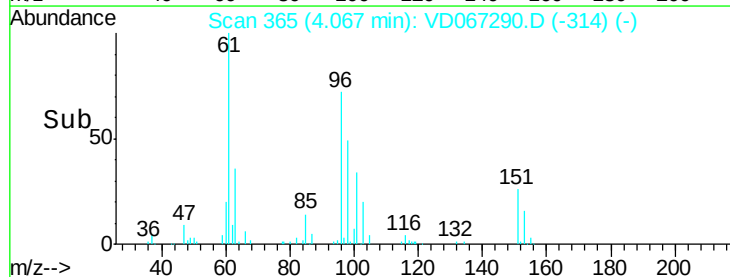
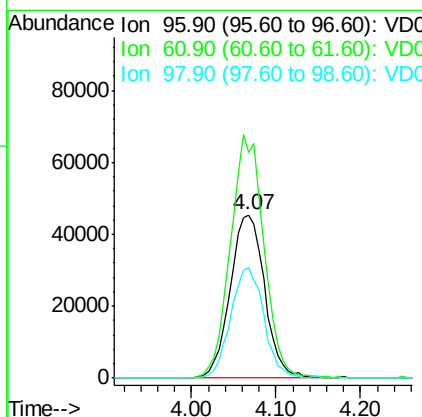
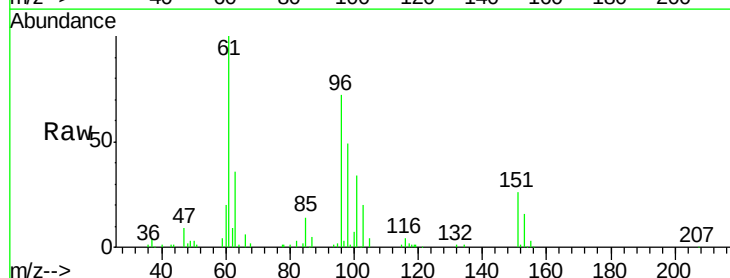
MMDadoda
10/19/2020 11:09:25 AM

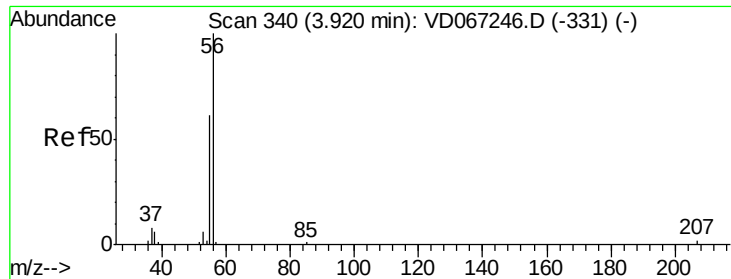


#12

1,1-Dichloroethene
Concen: 46.582 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 96 Resp: 127811
Ion Ratio Lower Upper
96 100
61 138.3 118.6 177.8
98 67.4 51.8 77.6





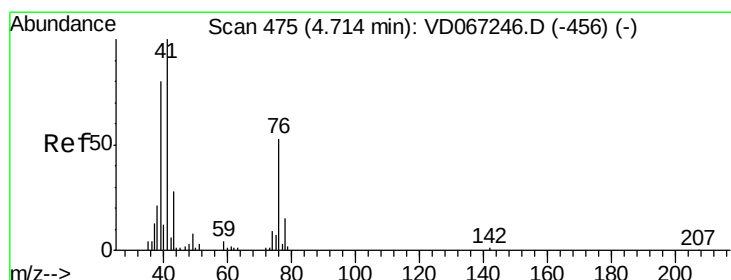
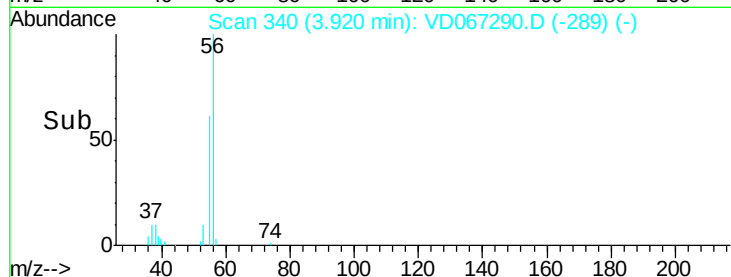
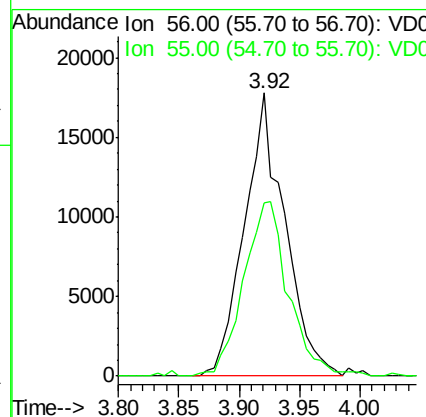
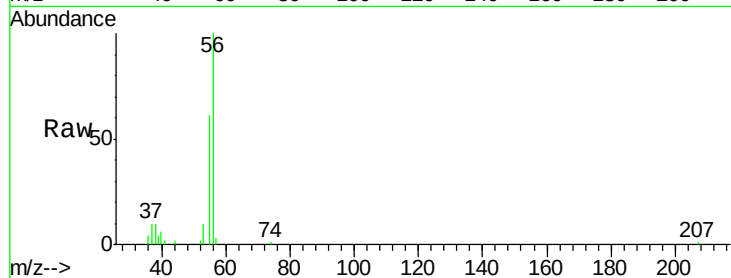
#13
Acrolein
Concen: 211.444 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	41362
Ion Ratio	100	Lower	Upper
56	100		
55	68.4	56.0	84.0

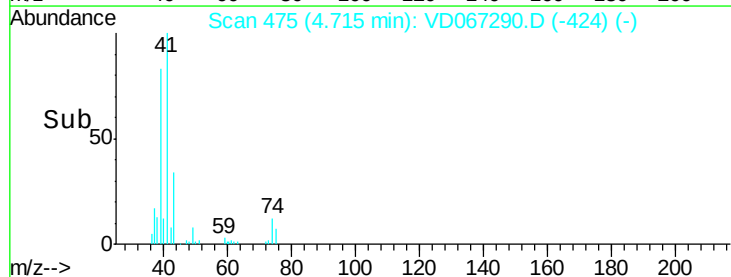
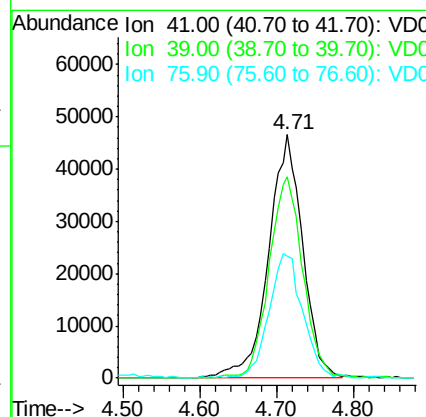
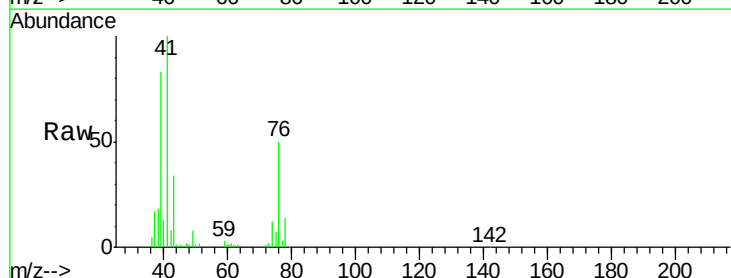
Manual Integrations
APPROVED

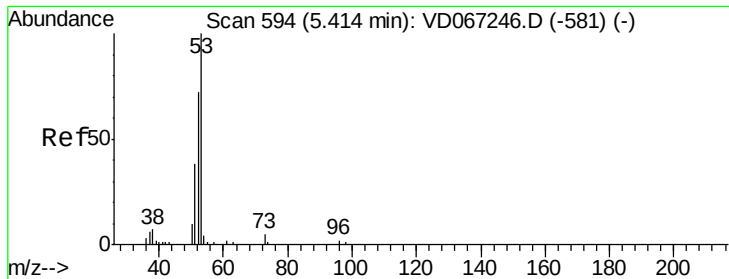
MMDadoda
10/19/2020 11:09:25 AM



#14
Allyl chloride
Concen: 45.458 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	41	Resp	142837
Ion Ratio	100	Lower	Upper
41	100		
39	82.3	63.8	95.6
76	51.3	40.4	60.6





#15

Acrylonitrile

Concen: 235.552 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

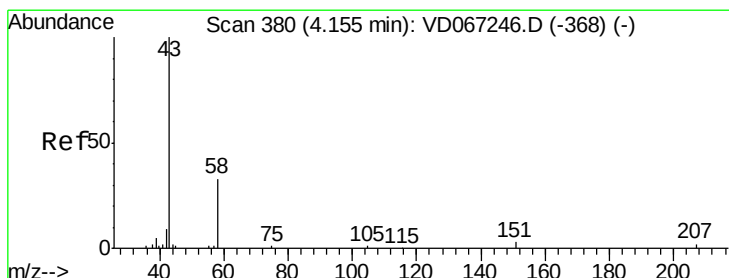
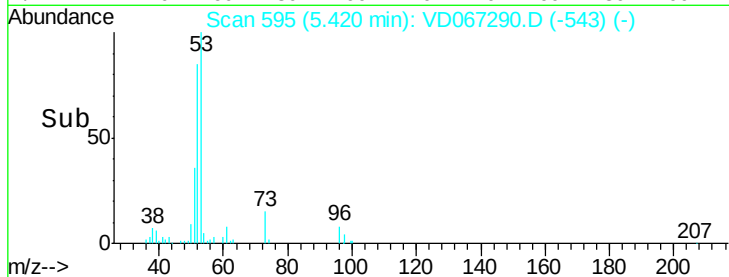
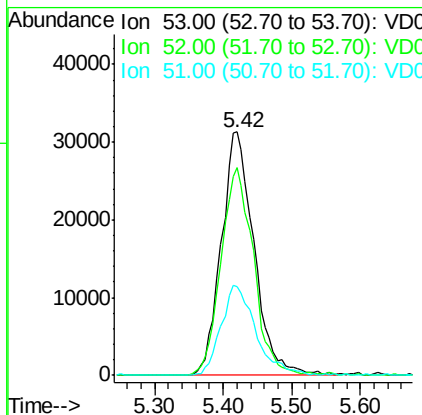
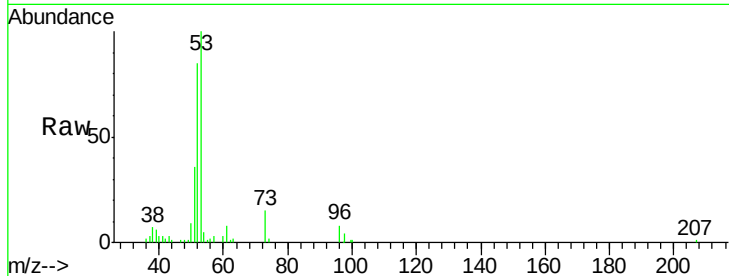
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	103967
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.6	98.4
51	39.0	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#16

Acetone

Concen: 264.349 ug/l

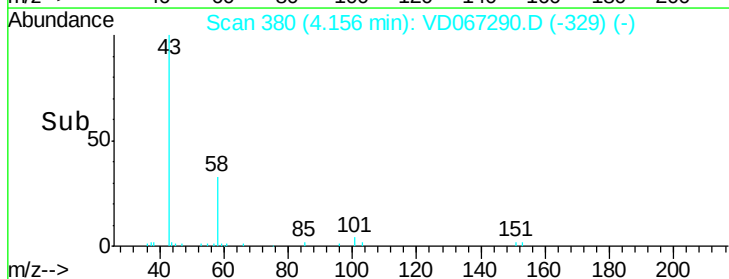
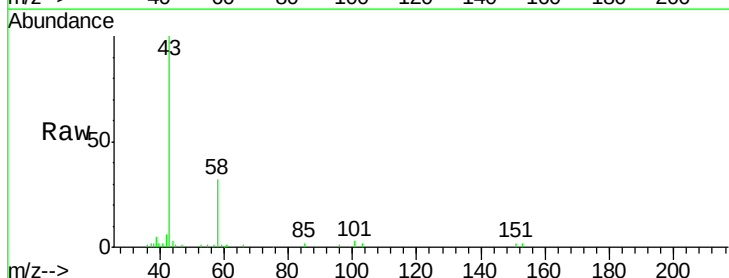
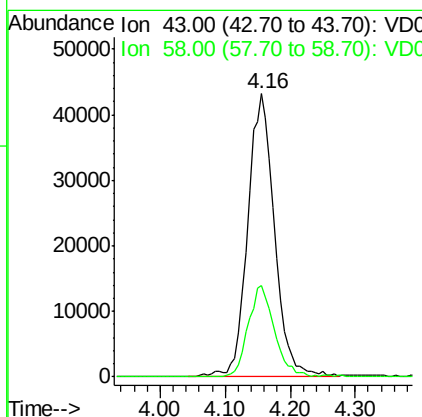
RT: 4.16 min Scan# 380

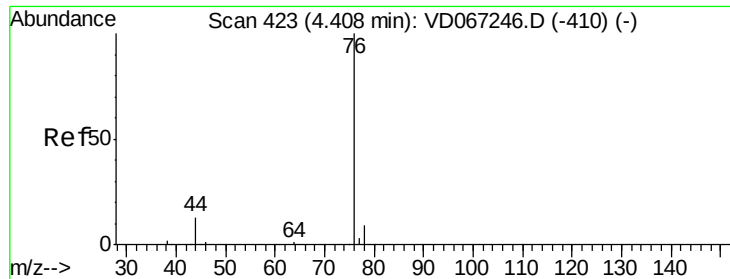
Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	43	Resp:	123309
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.1	39.1





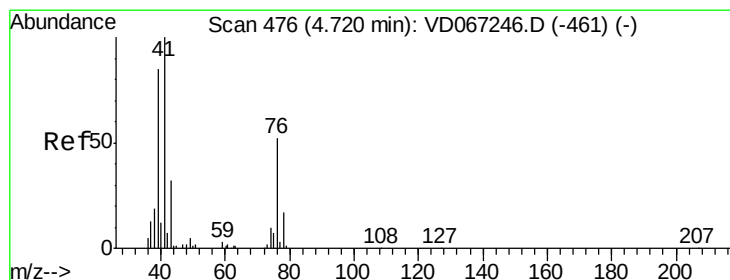
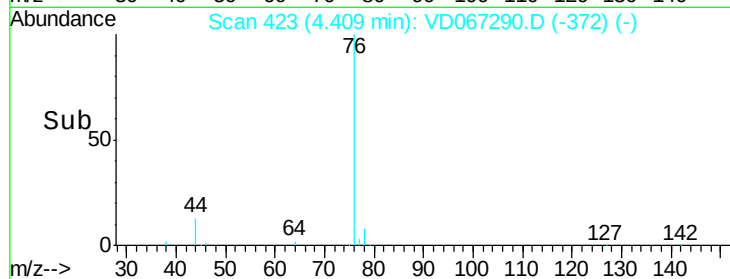
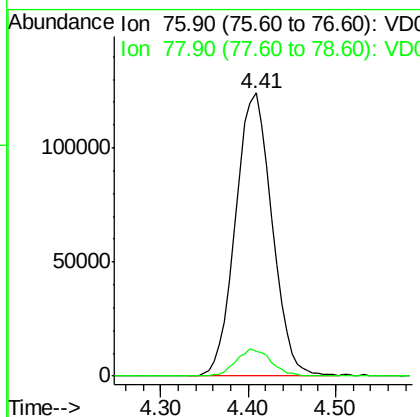
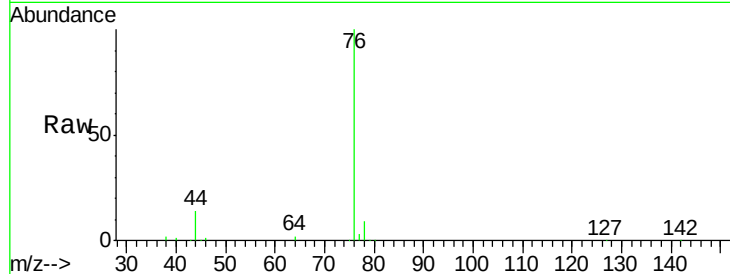
#17
Carbon Disulfide
Concen: 44.953 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 351621
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

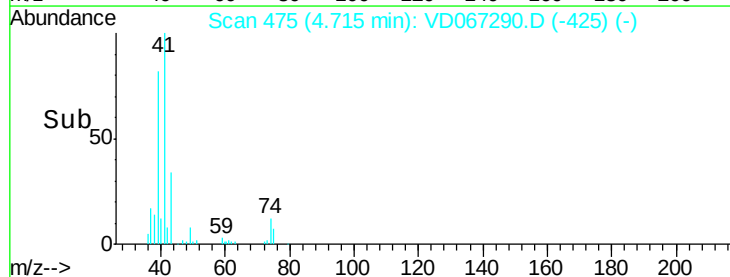
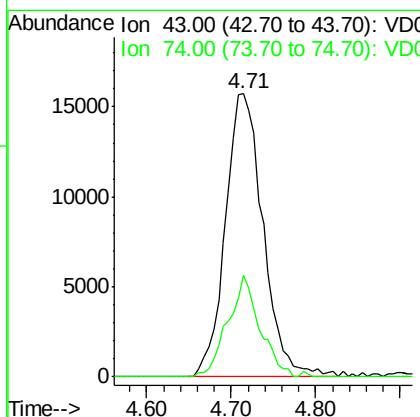
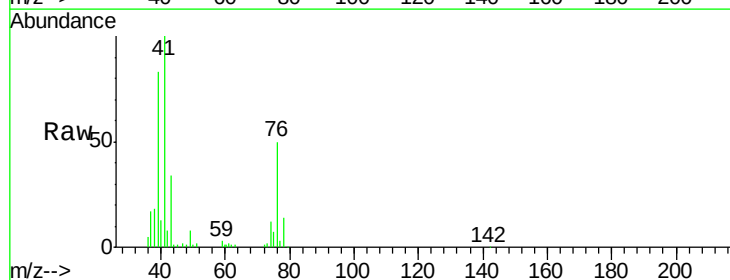
Manual Integrations
APPROVED

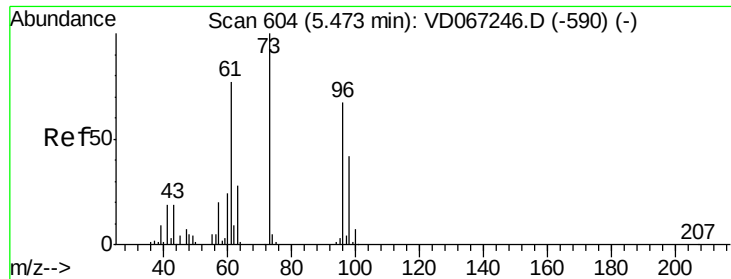
MMDadoda
10/19/2020 11:09:25 AM



#18
Methyl Acetate
Concen: 45.561 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 43 Resp: 48474
Ion Ratio Lower Upper
43 100
74 30.3 26.6 39.8





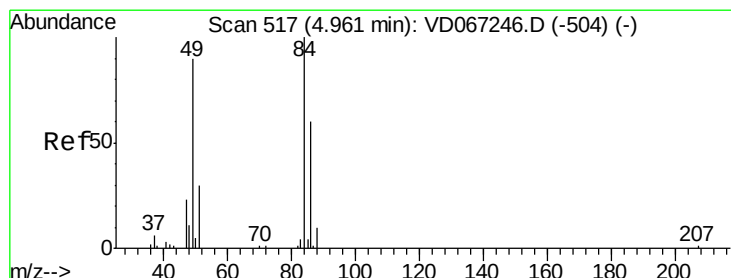
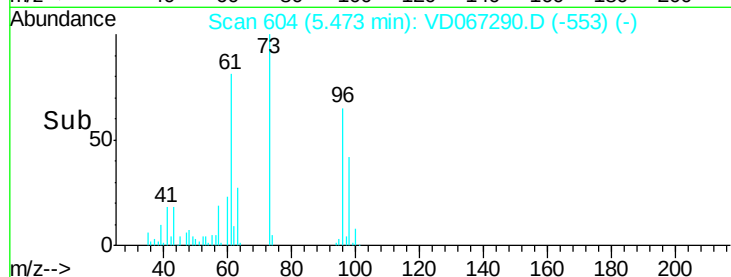
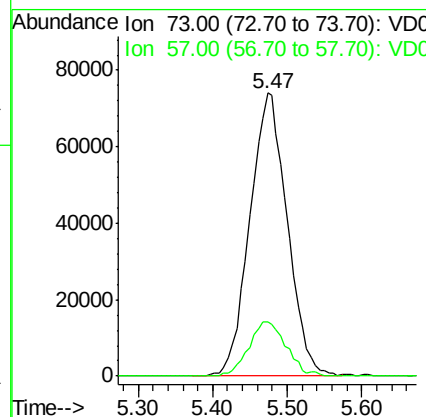
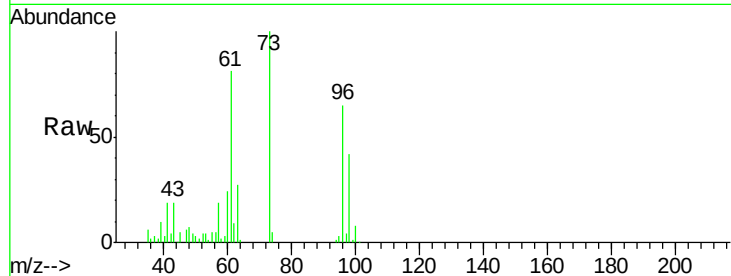
#19
Methyl tert-butyl Ether
Concen: 47.275 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 257924
Ion Ratio Lower Upper
73 100
57 19.4 15.7 23.5

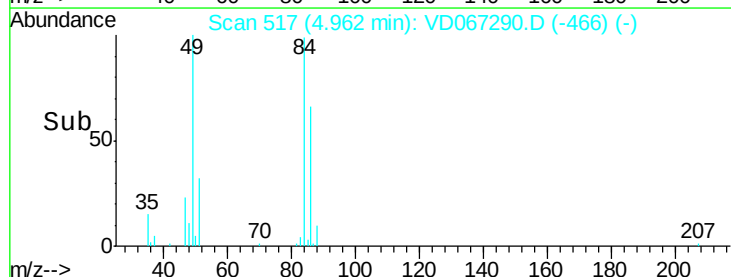
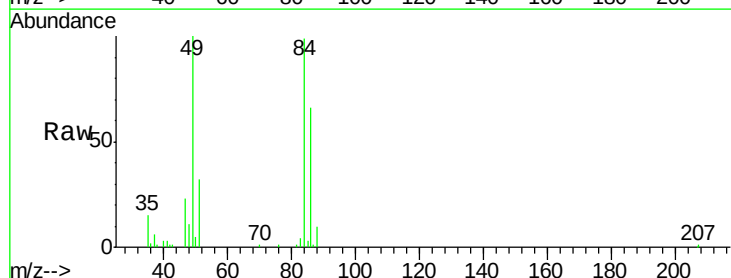
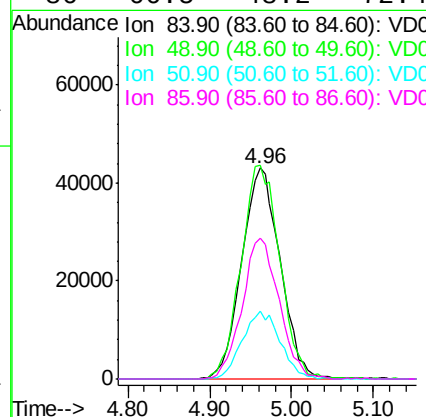
Manual Integrations
APPROVED

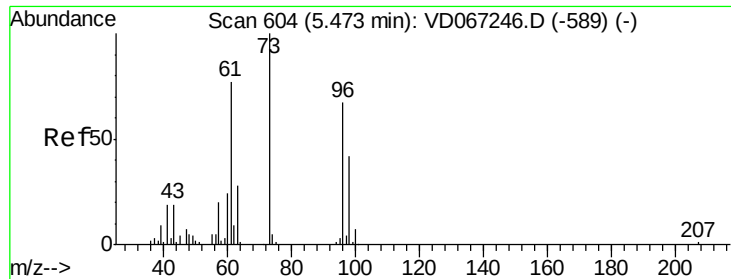
MMDadoda
10/19/2020 11:09:25 AM



#20
Methylene Chloride
Concen: 46.854 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 84 Resp: 140841
Ion Ratio Lower Upper
84 100
49 101.3 72.2 108.2
51 32.0 23.8 35.8
86 66.5 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 46.340 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

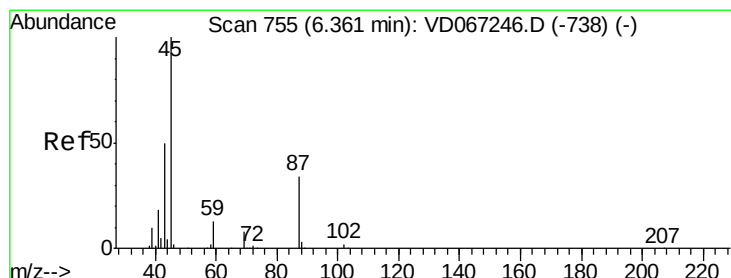
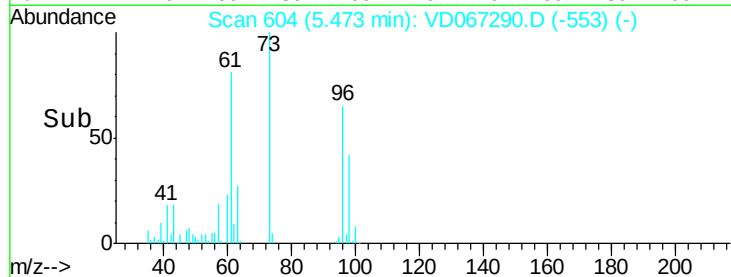
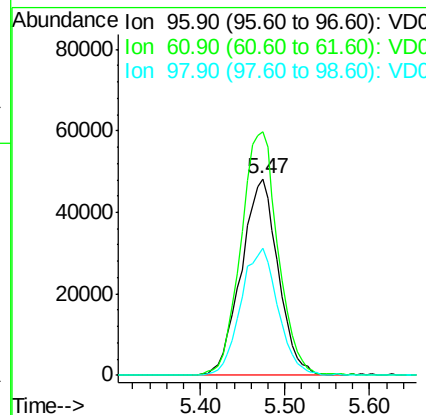
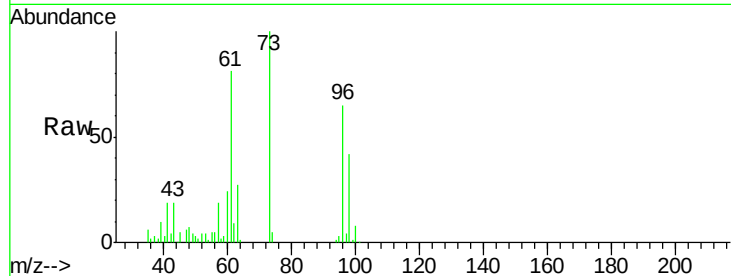
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	146318
Ion	Ratio	Lower	Upper
96	100		
61	124.0	92.0	138.0
98	64.8	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#22

Diisopropyl ether

Concen: 49.441 ug/l

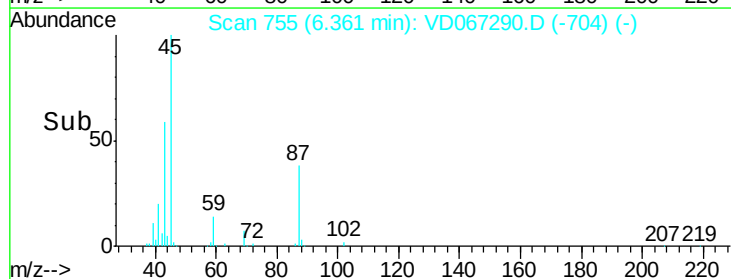
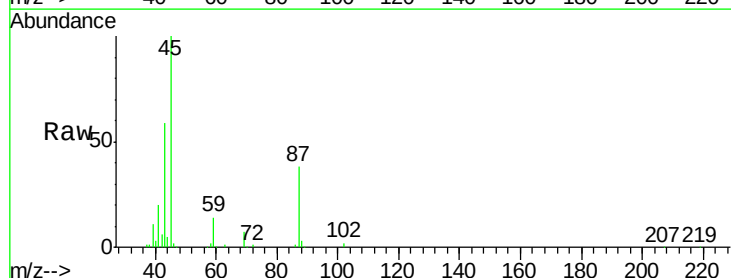
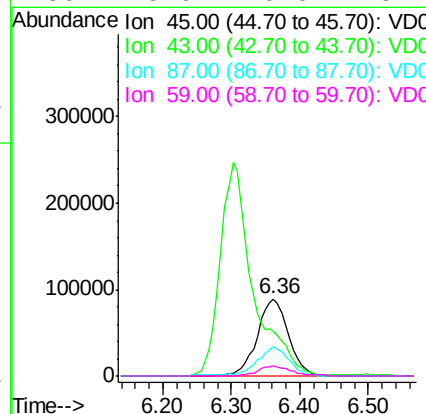
RT: 6.36 min Scan# 755

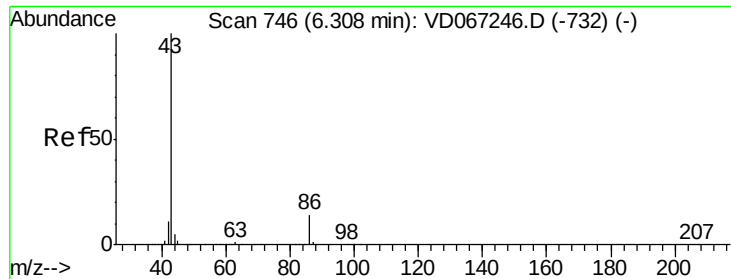
Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	45	Resp:	283791
Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.0	72.0
87	37.1	28.5	42.7
59	13.9	10.5	15.7





#23

Vinyl Acetate

Concen: 251.659 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 821816

Ion Ratio Lower Upper

43 100

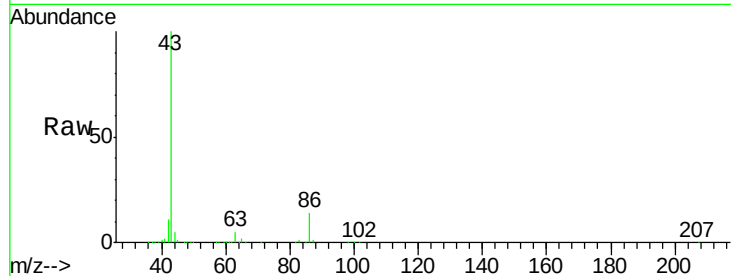
86 13.6 11.0 16.6

Manual Integrations

APPROVED

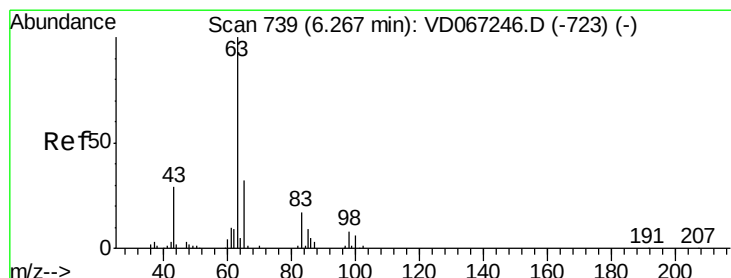
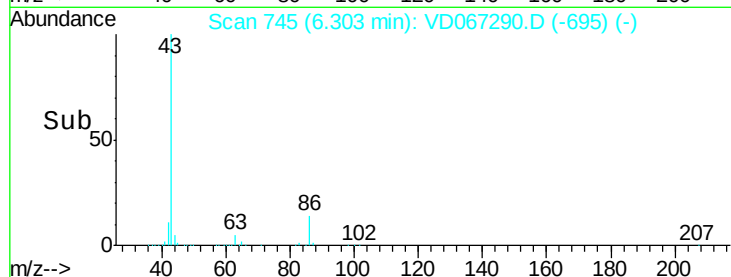
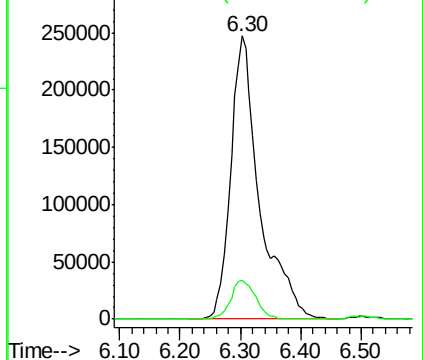
MMDadoda

10/19/2020 11:09:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.338 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

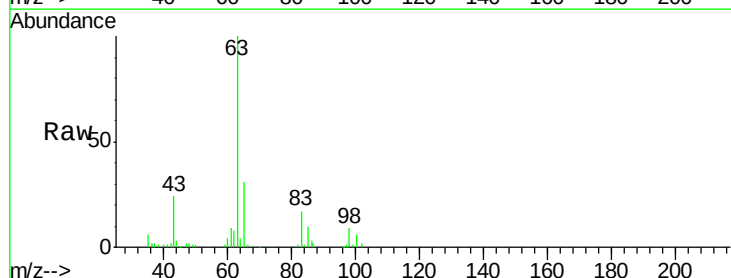
Tgt Ion: 63 Resp: 232596

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

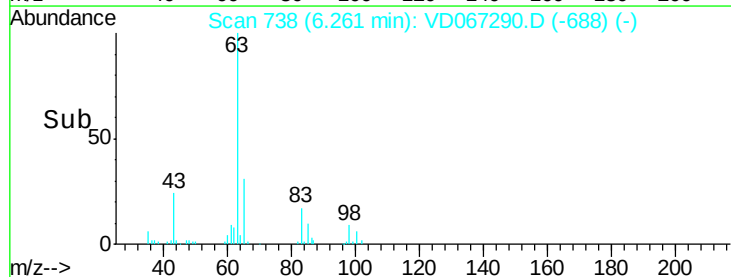
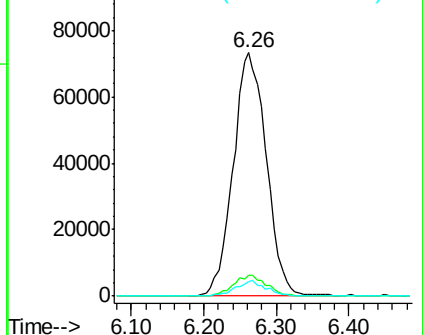
100 6.1 2.8 8.4

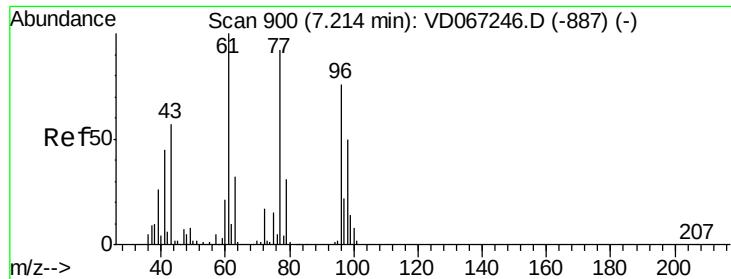


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





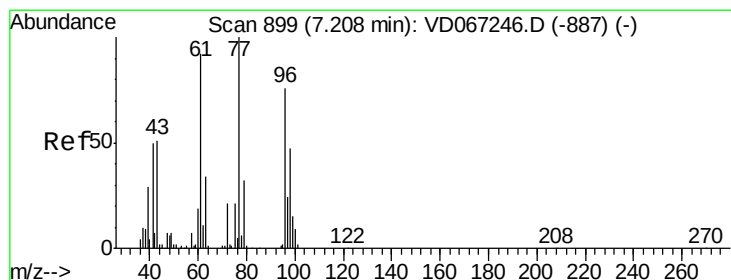
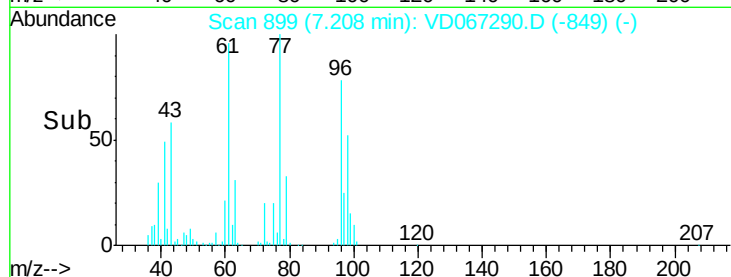
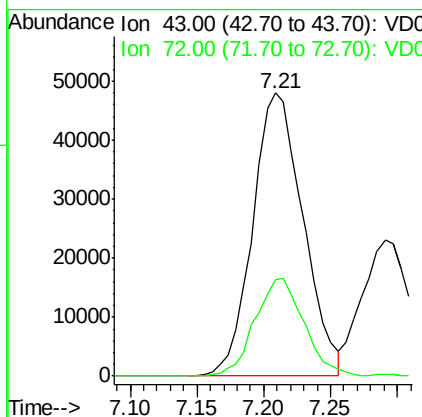
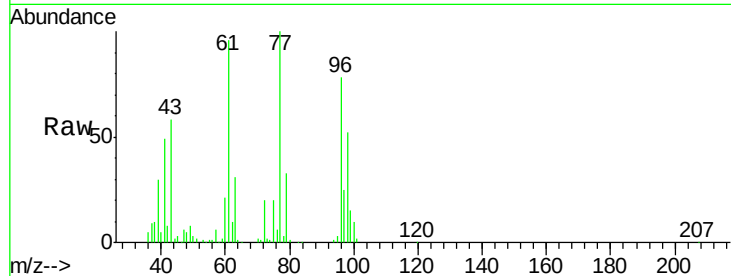
#25
2-Butanone
Concen: 236.784 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 125903
Ion Ratio Lower Upper
43 100
72 34.2 23.7 35.5

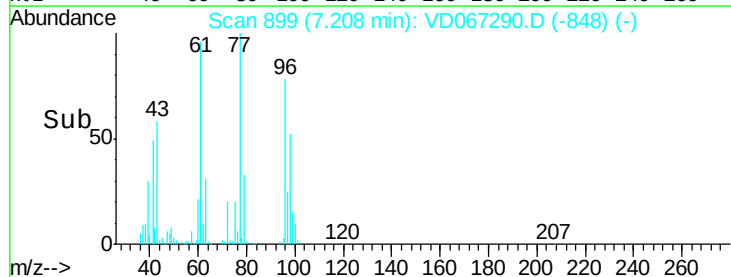
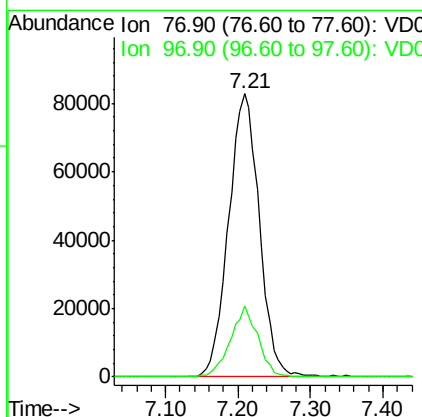
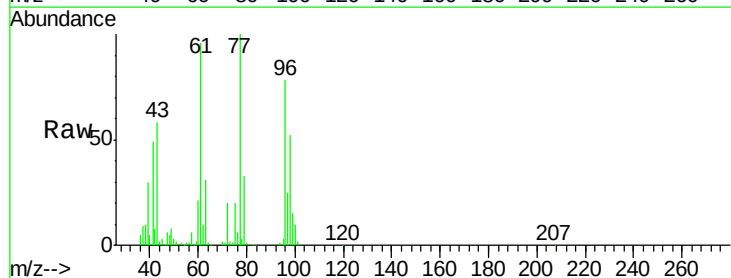
Manual Integrations
APPROVED

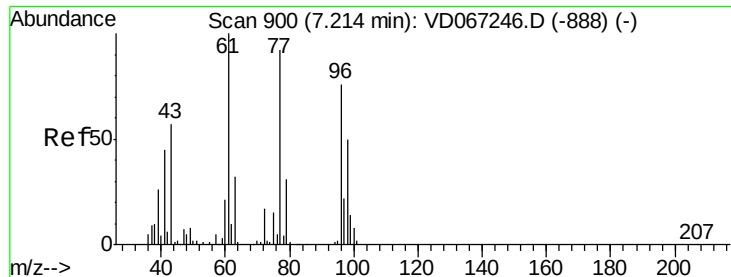
MMDadoda
10/19/2020 11:09:25 AM



#26
2,2-Dichloropropane
Concen: 48.143 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 77 Resp: 243816
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

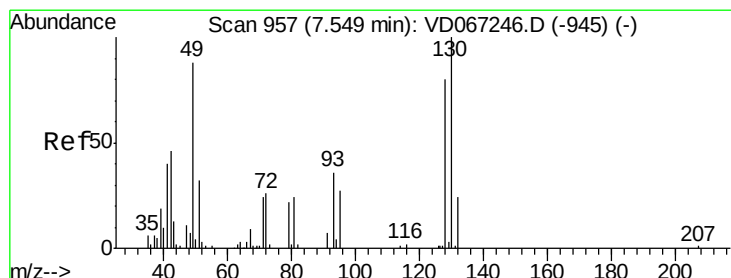
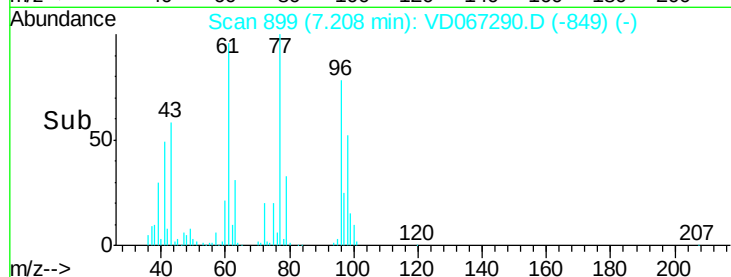
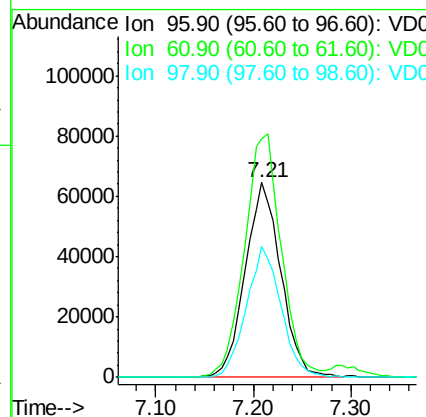
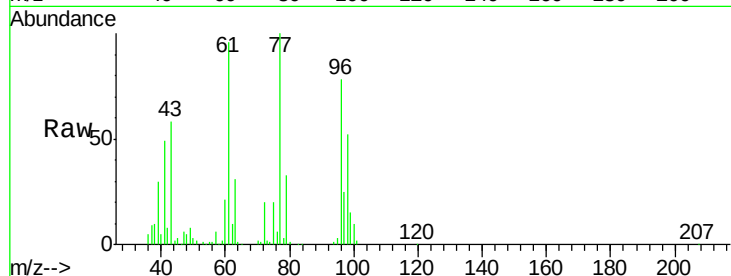
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	164944
Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	255.4
98	65.2	0.0	128.0

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#28

Bromochloromethane

Concen: 49.048 ug/l

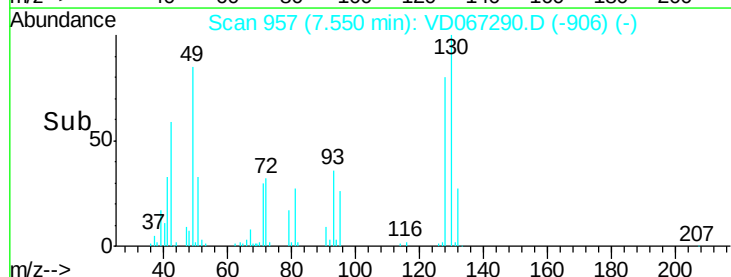
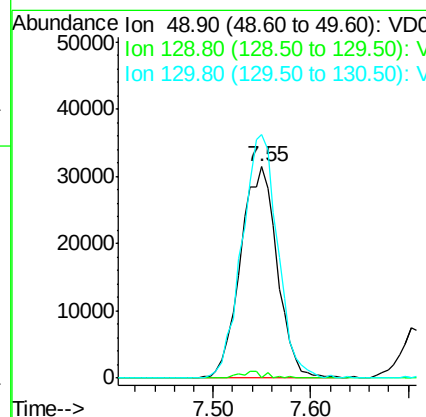
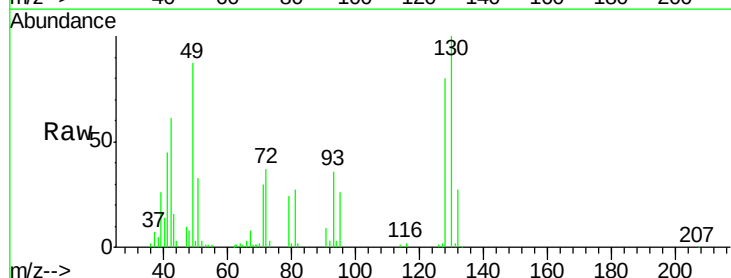
RT: 7.55 min Scan# 957

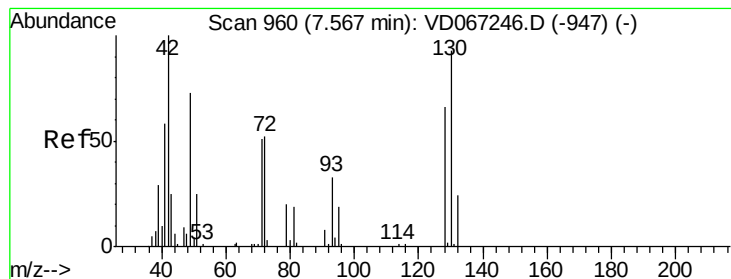
Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	49	Resp:	82200
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	1.6#
130	112.1	91.0	136.6





#29

Tetrahydrofuran

Concen: 237.631 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

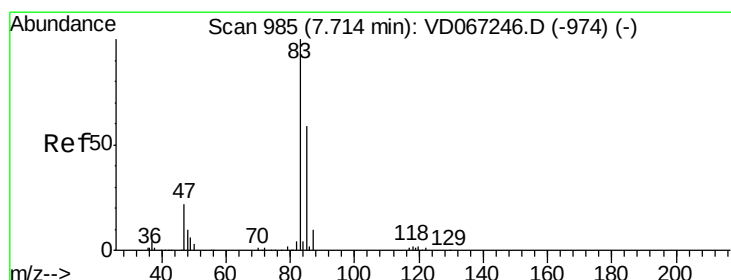
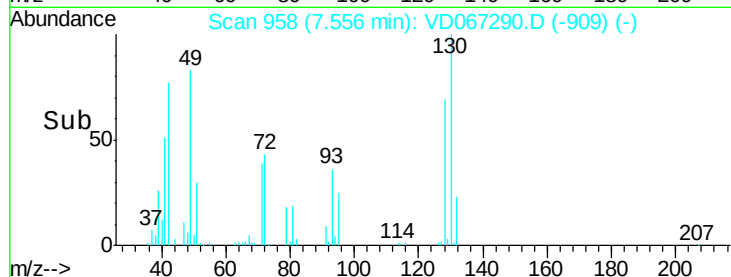
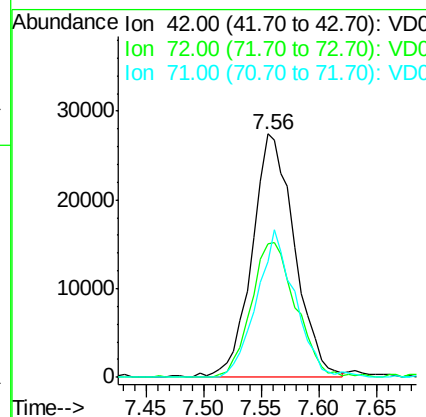
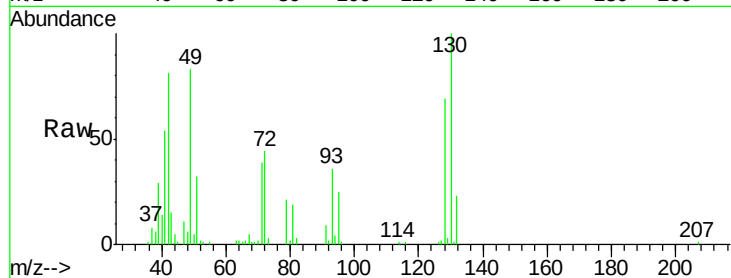
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	70237
Ion Ratio	Lower	Upper	
42	100		
72	58.7	43.2	64.8
71	54.3	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#30

Chloroform

Concen: 48.119 ug/l

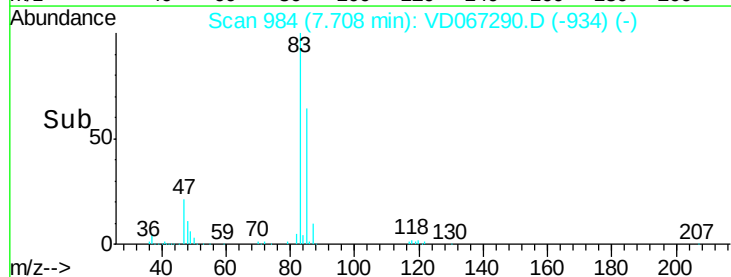
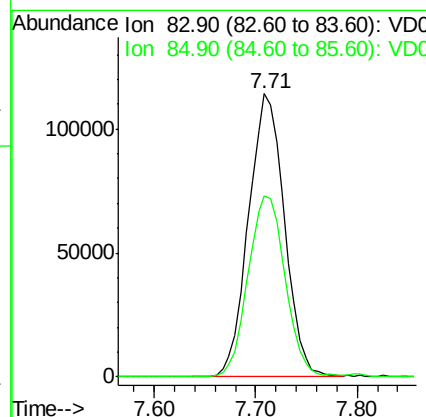
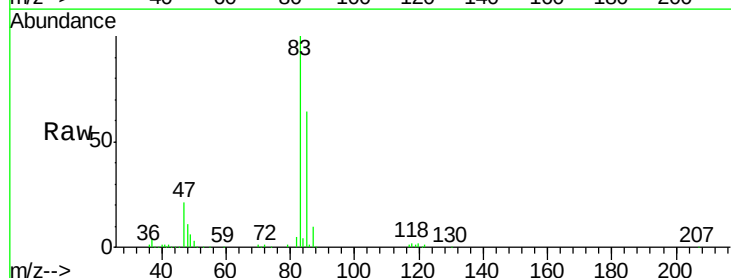
RT: 7.71 min Scan# 984

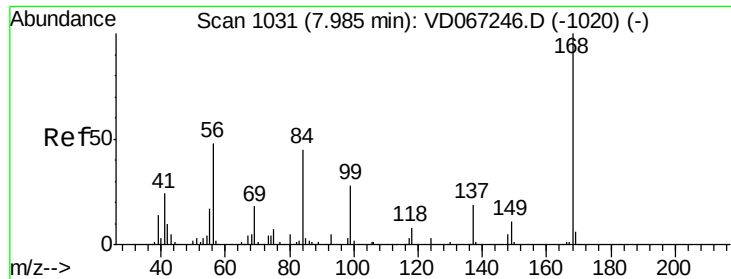
Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	83	Resp:	282441
Ion Ratio	Lower	Upper	
83	100		
85	64.1	47.3	70.9





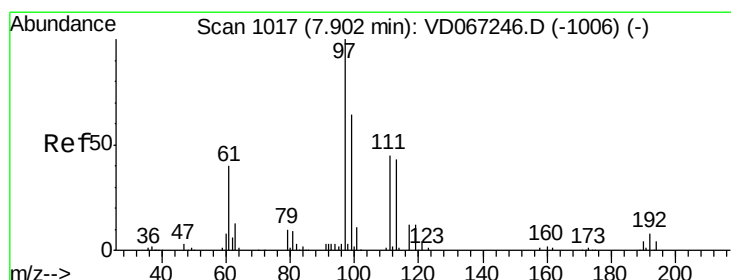
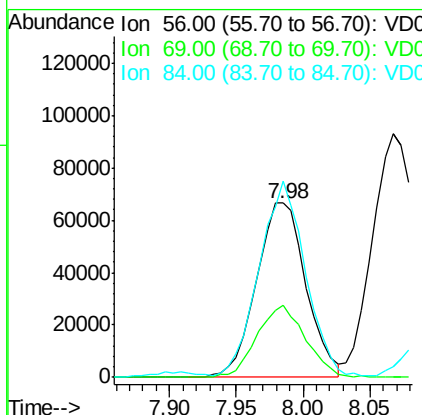
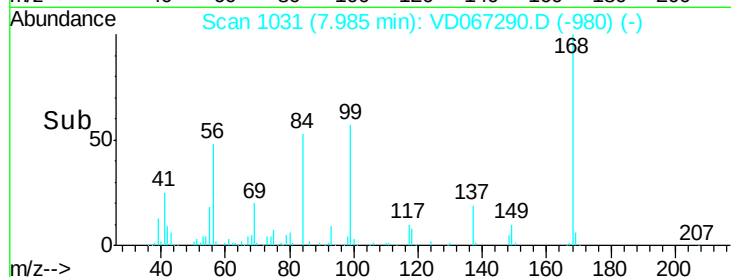
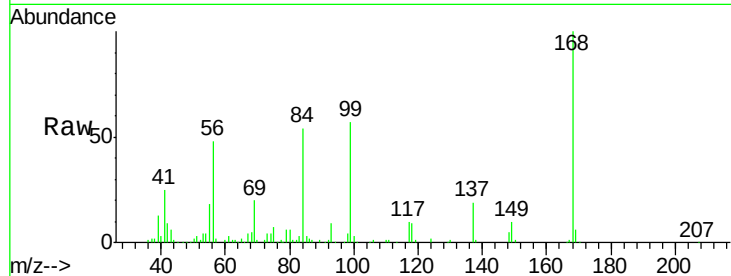
#31
Cyclohexane
Concen: 44.749 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.2	29.8	44.6
84	110.5	76.6	114.8

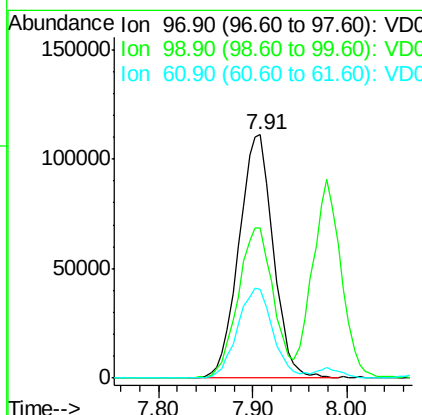
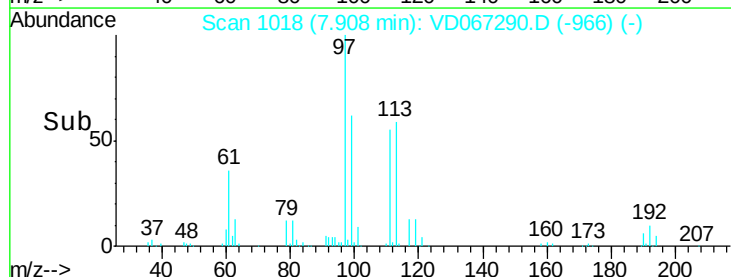
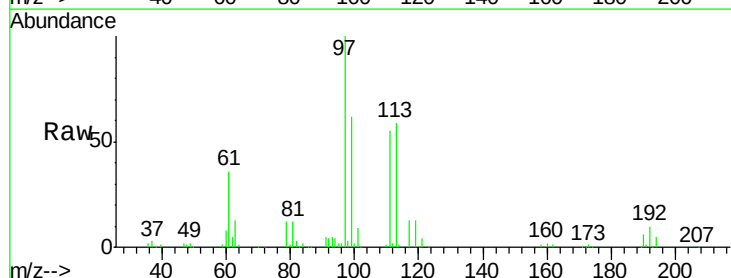
Manual Integrations
APPROVED

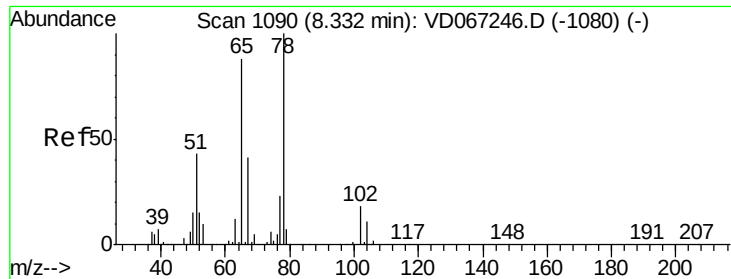
MMDadoda
10/19/2020 11:09:25 AM



#32
1,1,1-Trichloroethane
Concen: 48.920 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.2	75.4
61	38.2	30.5	45.7





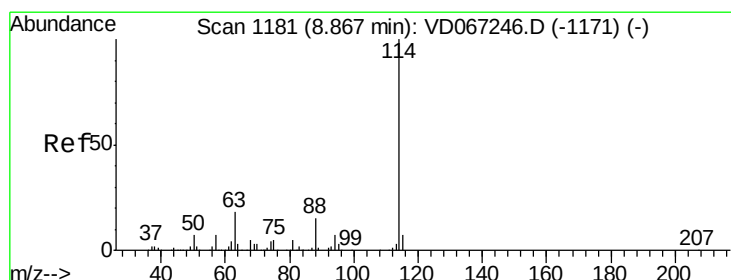
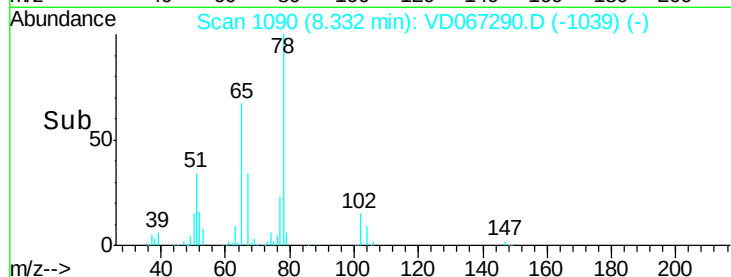
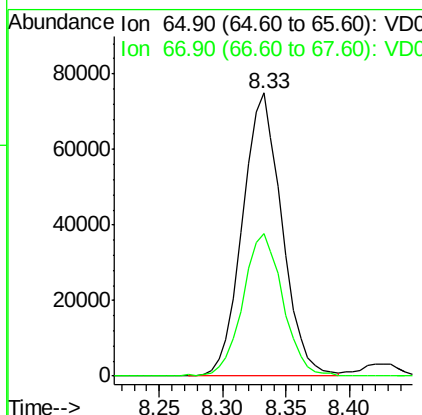
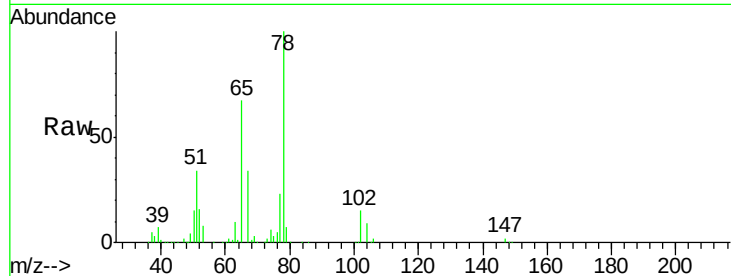
#33
 1,2-Dichloroethane-d4
 Concen: 48.740 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.8

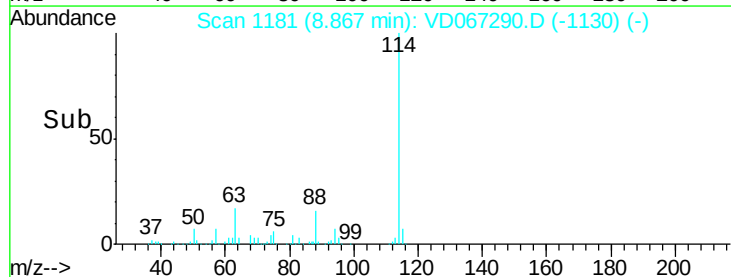
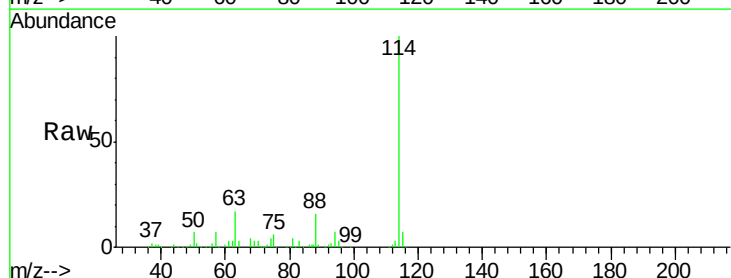
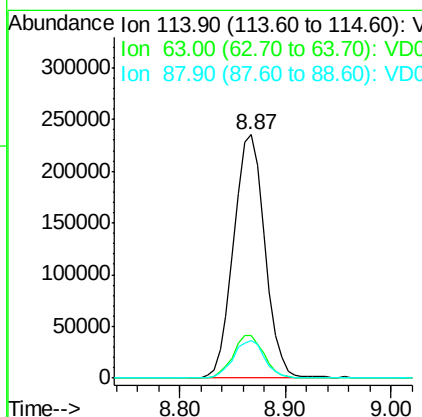
Manual Integrations
 APPROVED

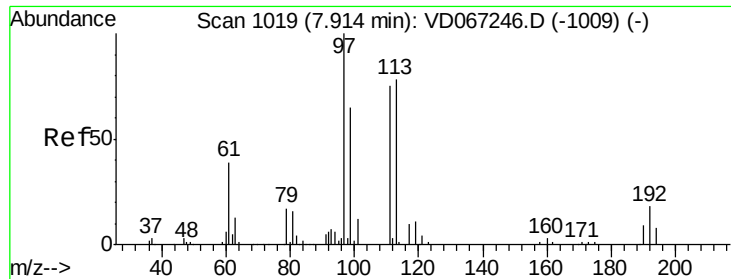
MMDadoda
 10/19/2020 11:09:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.0
88	15.5	0.0	30.6





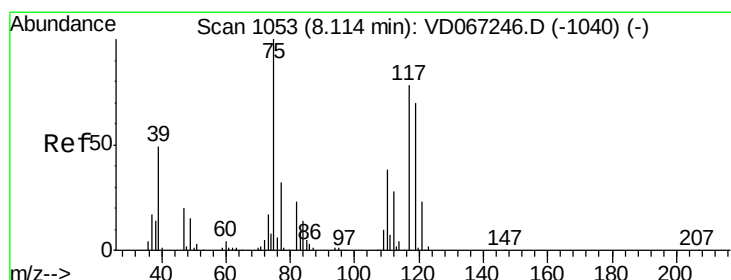
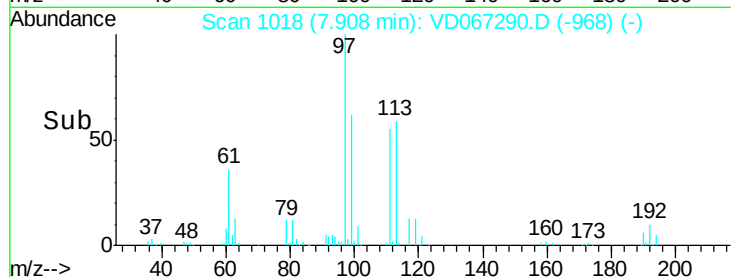
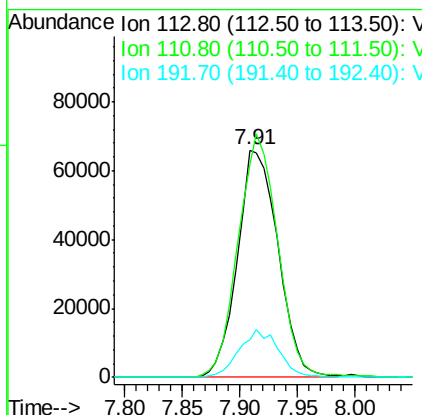
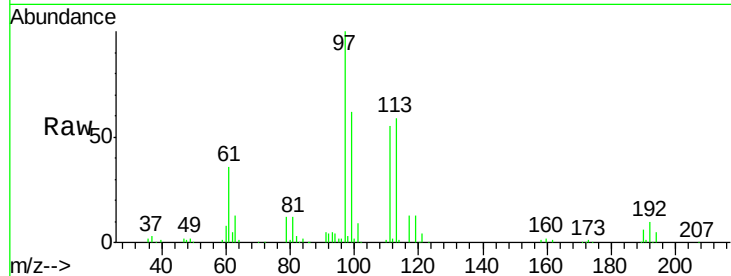
#35
 Dibromofluoromethane
 Concen: 50.251 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161683		
111	104.6	81.6	122.4	
192	20.6	17.0	25.4	

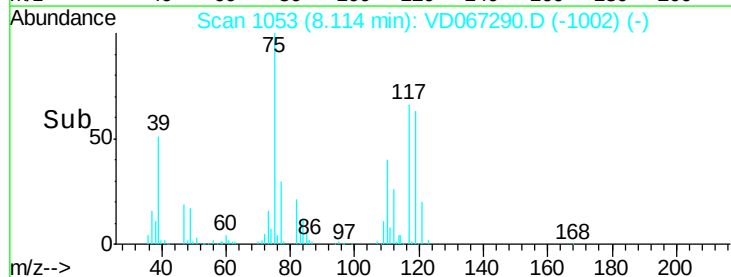
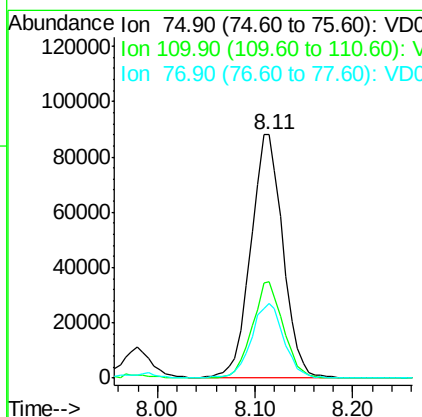
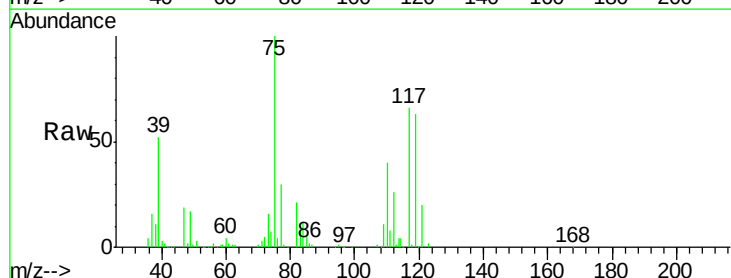
Manual Integrations
 APPROVED

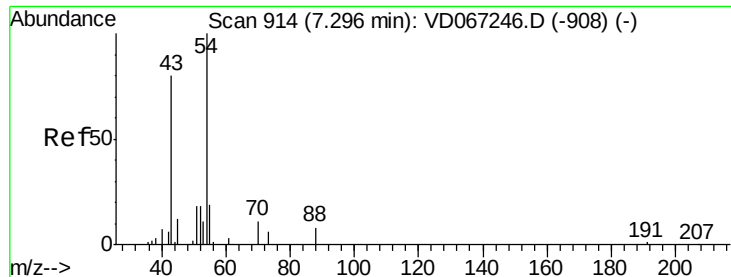
MMDadoda
 10/19/2020 11:09:25 AM



#36
 1,1-Dichloropropene
 Concen: 49.484 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202774		
110	38.4	19.6	58.7	
77	31.4	24.6	37.0	





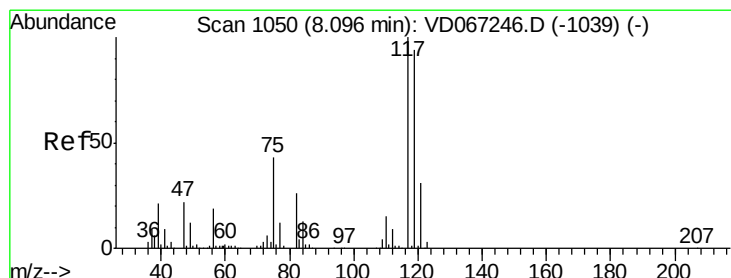
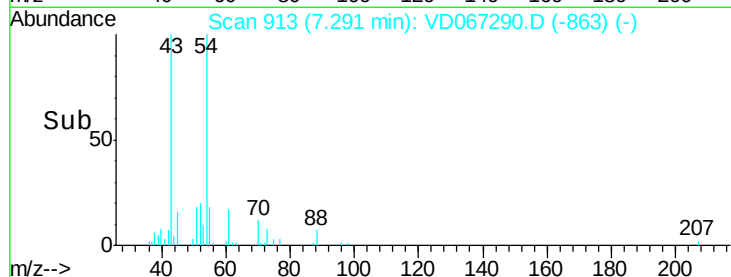
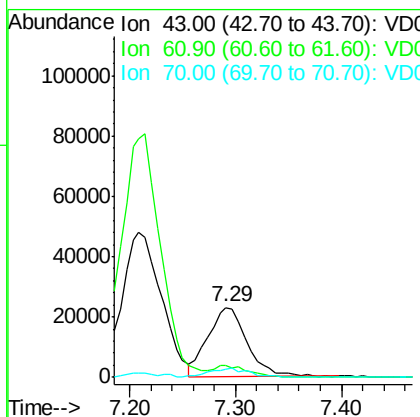
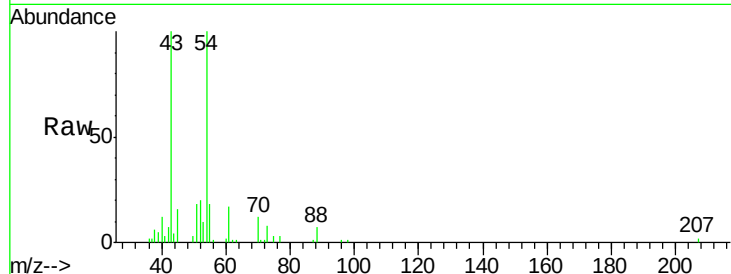
#37
Ethyl Acetate
Concen: 49.099 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	15.6	23.4#
70	13.0	10.4	15.6

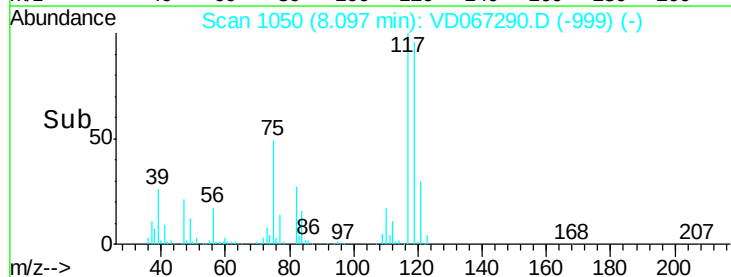
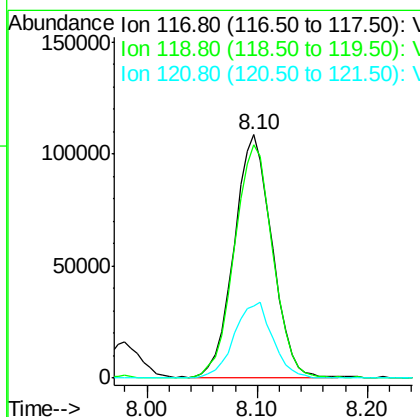
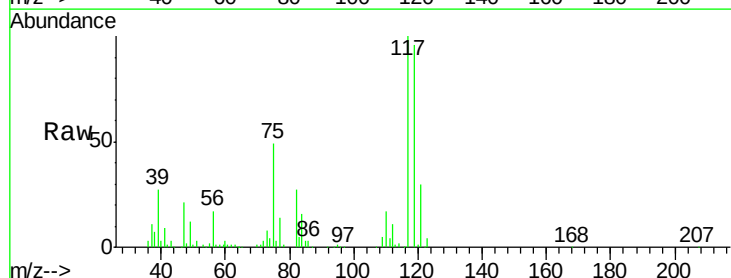
Manual Integrations
APPROVED

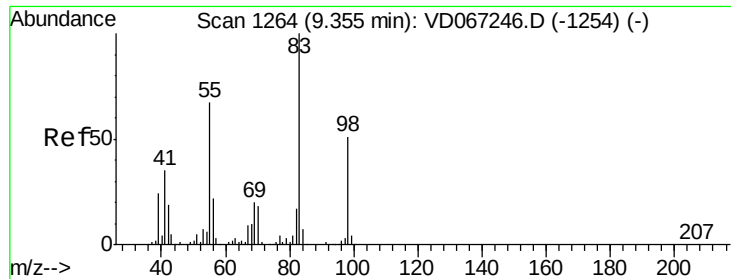
MMDadoda
10/19/2020 11:09:25 AM



#38
Carbon Tetrachloride
Concen: 49.925 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.0	112.4
121	29.6	24.9	37.3





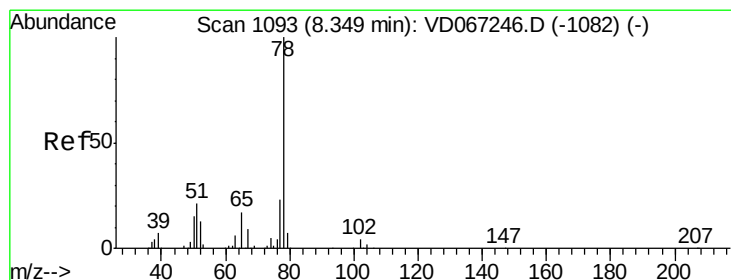
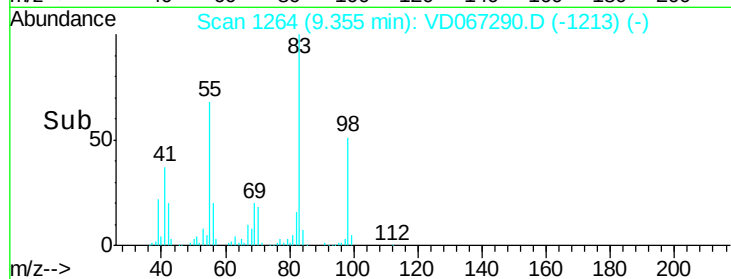
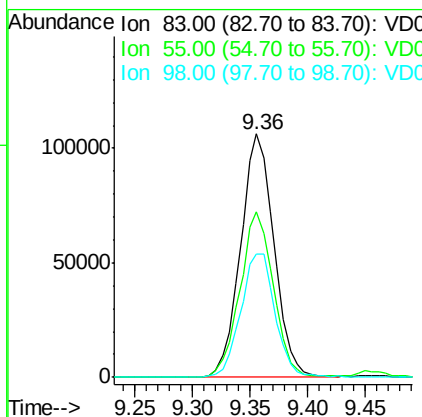
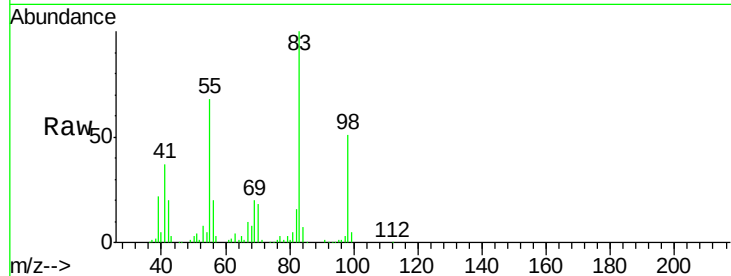
#39
Methylvlcyclohexane
Concen: 50.061 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	214458		
55	67.8	53.3	79.9	
98	50.5	41.0	61.4	

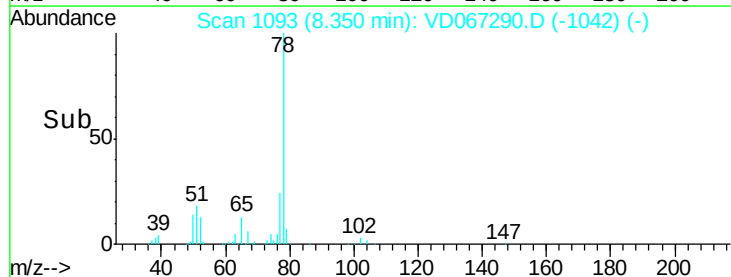
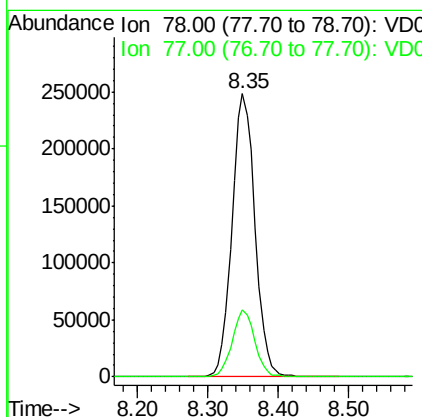
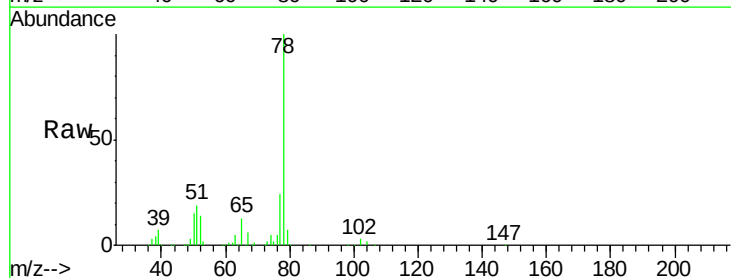
Manual Integrations
APPROVED

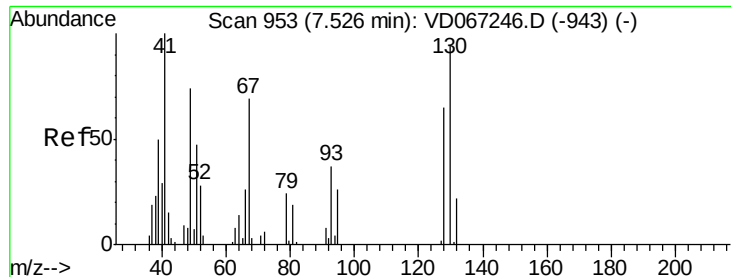
MMDadoda
10/19/2020 11:09:25 AM



#40
Benzene
Concen: 50.013 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	562236		
77	23.7	18.3	27.5	





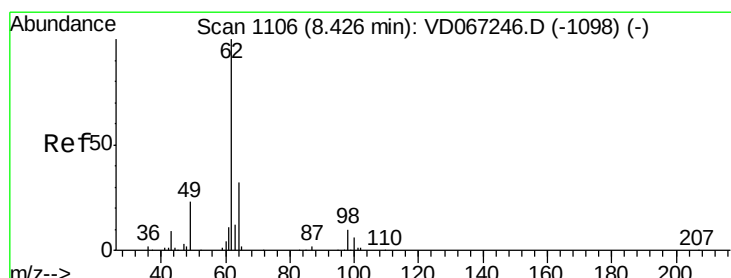
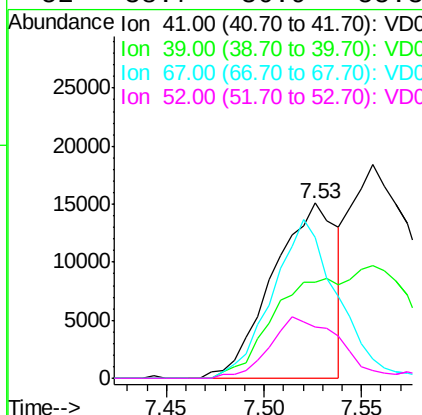
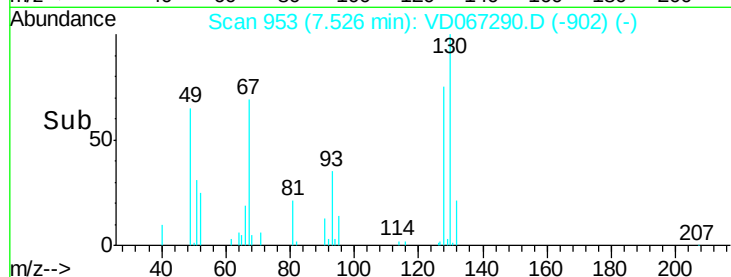
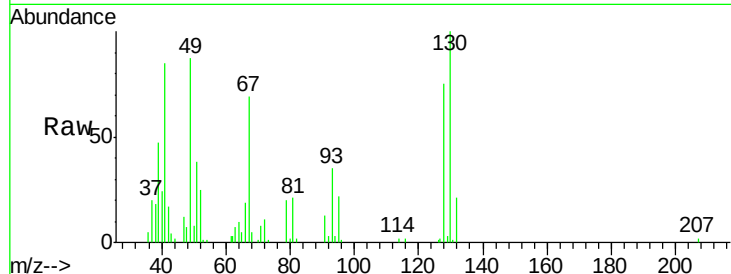
#41
Methacrylonitrile
Concen: 53.016 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	91.9	88.9	133.3
52	38.7	36.9	55.3

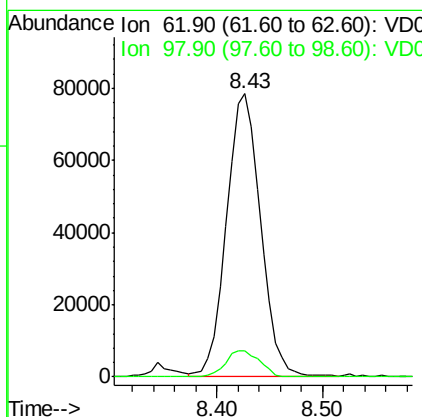
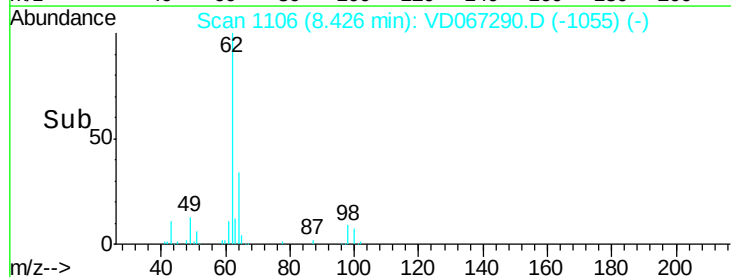
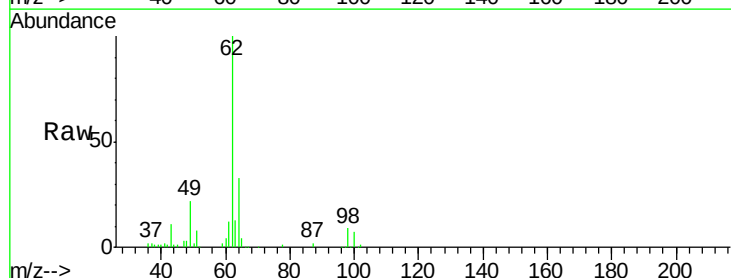
Manual Integrations
APPROVED

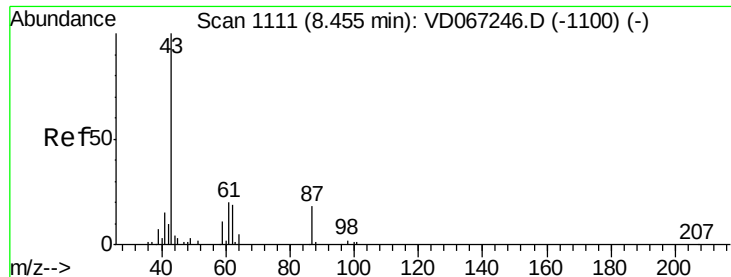
MMDadoda
10/19/2020 11:09:25 AM



#42
1,2-Dichloroethane
Concen: 49.518 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43

Isopropyl Acetate

Concen: 48.464 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

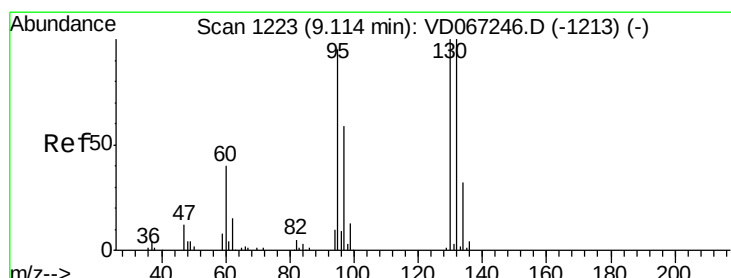
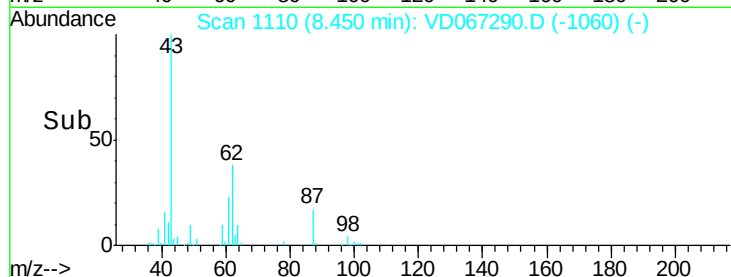
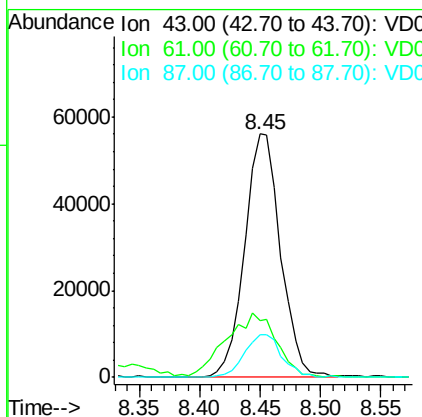
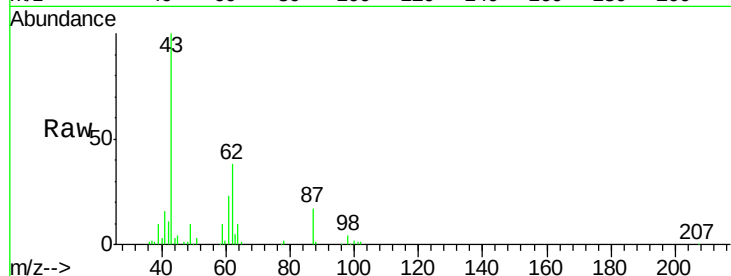
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	115939
Ion	Ratio	Lower	Upper
43	100		
61	37.2	29.5	44.3
87	18.2	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#44

Trichloroethene

Concen: 49.452 ug/l

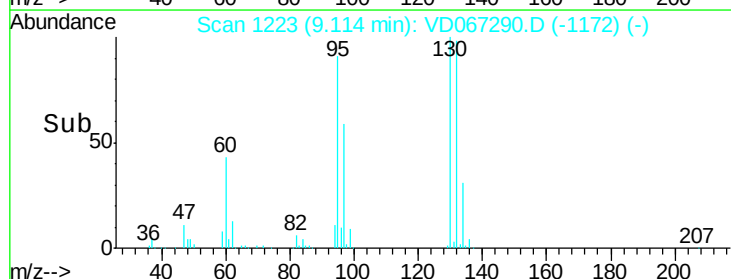
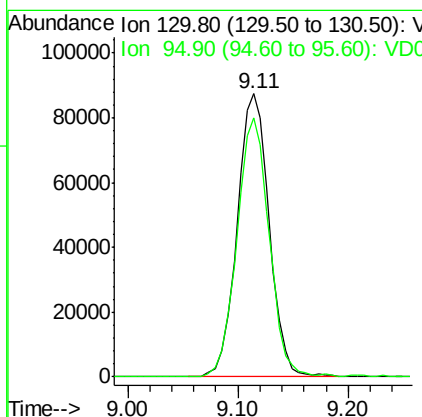
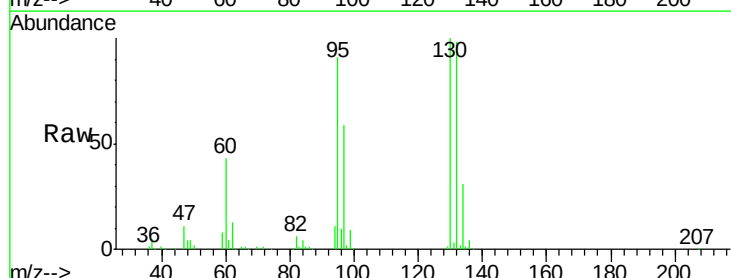
RT: 9.11 min Scan# 1223

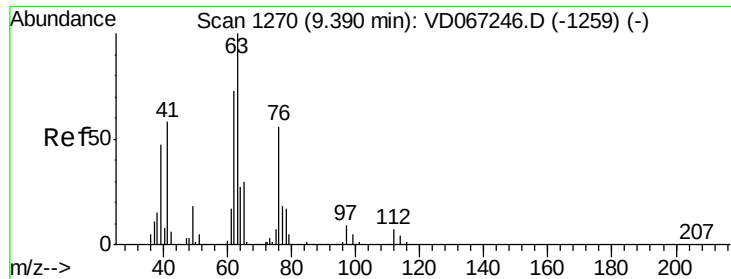
Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	130	Resp:	177995
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	190.6





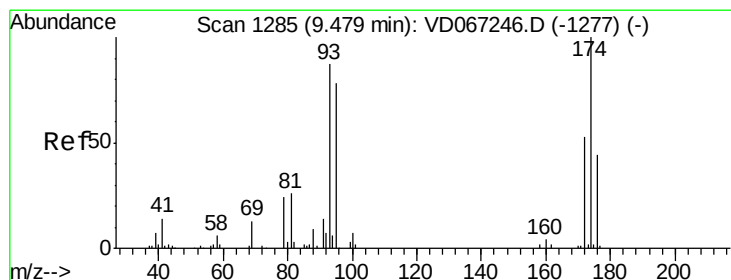
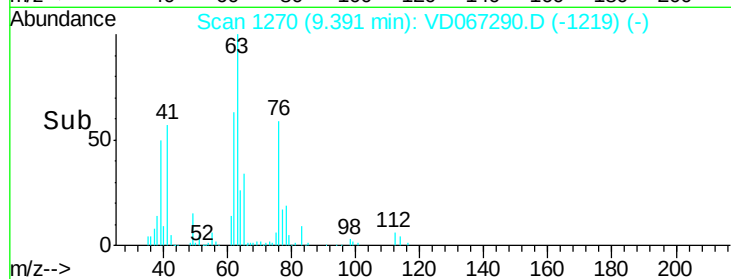
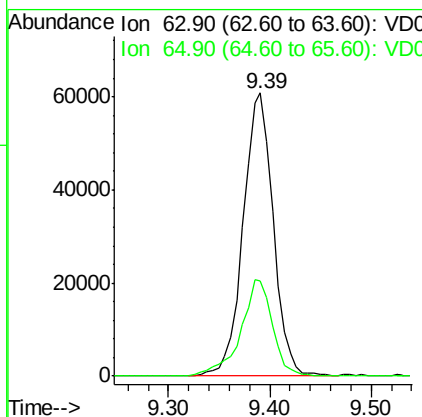
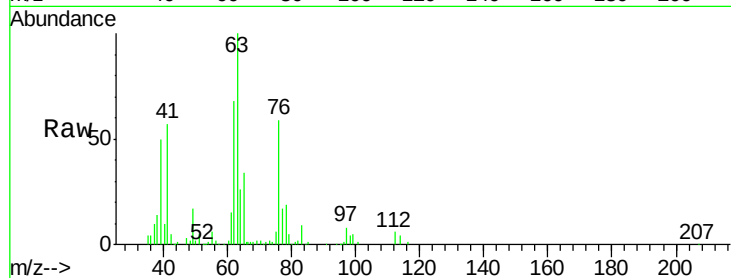
#45
 1,2-Dichloropropane
 Concen: 48.034 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	125145		
65	33.7	24.6	36.8	

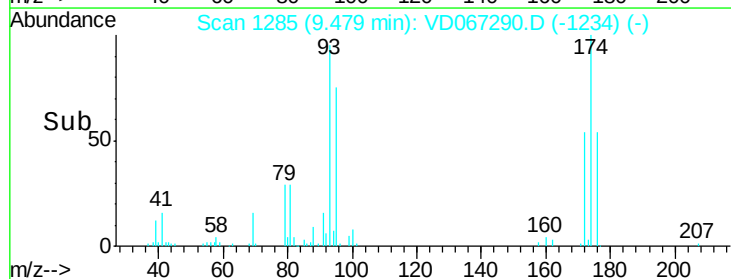
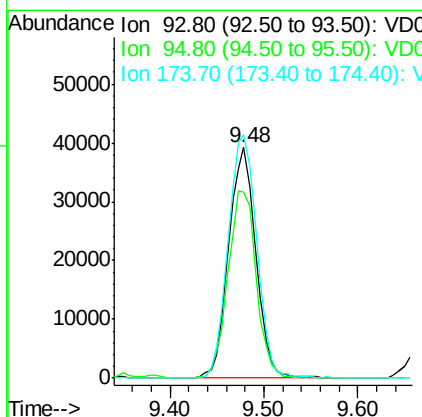
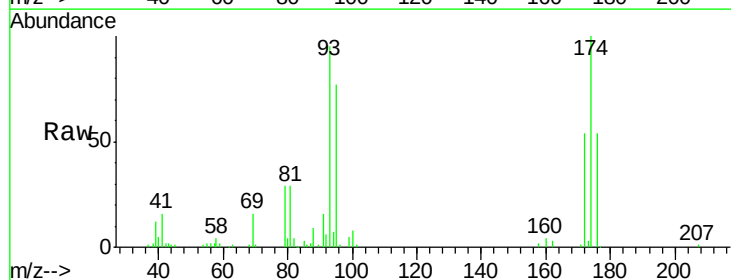
Manual Integrations
 APPROVED

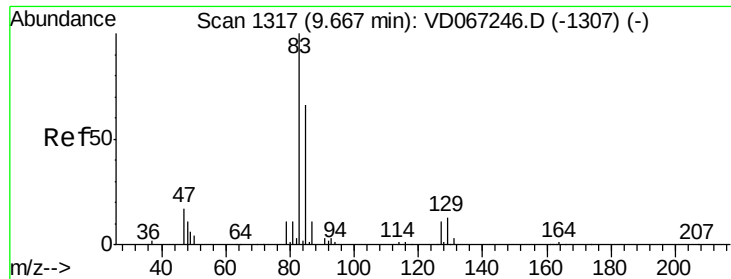
MMDadoda
 10/19/2020 11:09:25 AM



#46
 Dibromomethane
 Concen: 48.726 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	79096		
95	84.2	68.0	102.0	
174	110.7	91.8	137.6	





#47

Bromodichloromethane

Concen: 50.418 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

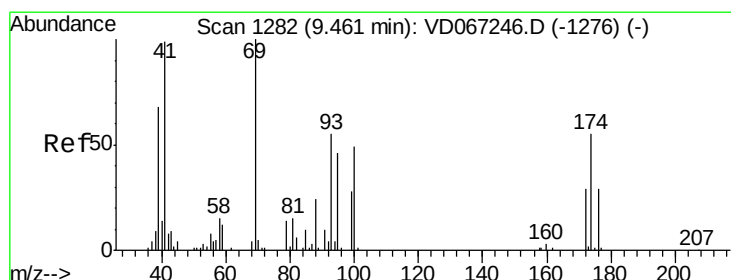
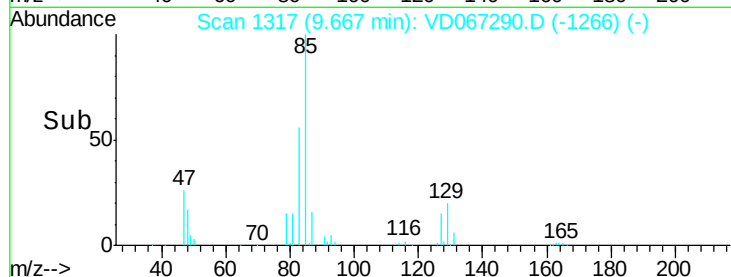
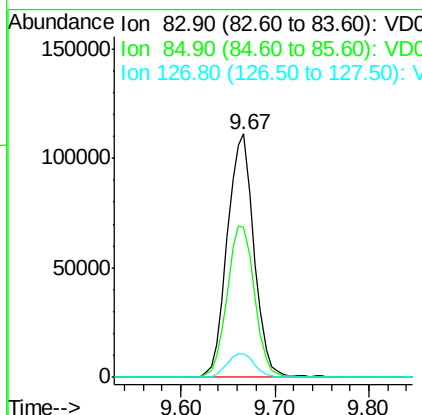
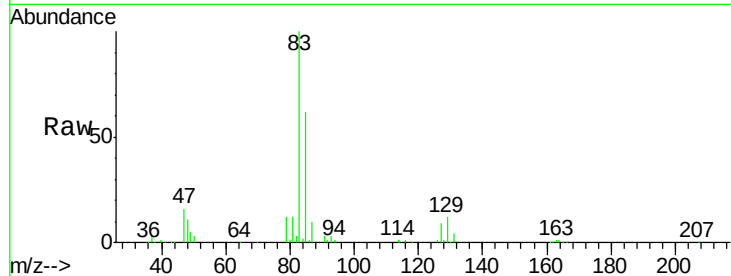
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	219275
Ion Ratio	Lower	Upper	
83	100		
85	61.9	53.1	79.7
127	9.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#48

Methyl methacrylate

Concen: 50.488 ug/l

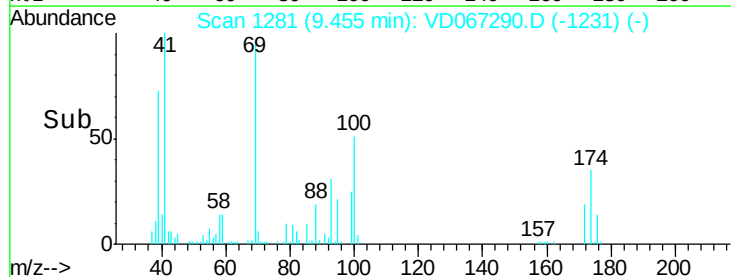
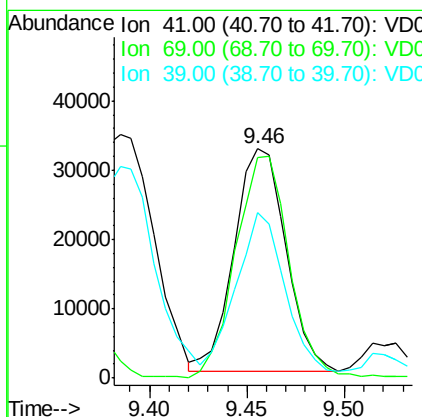
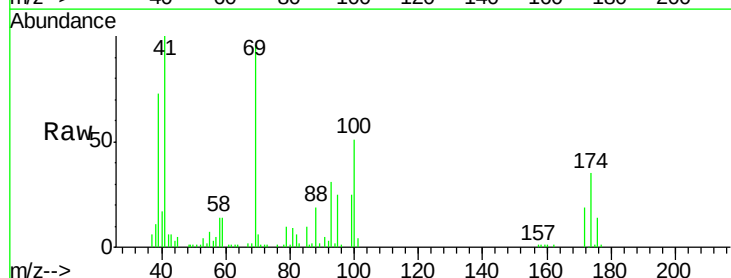
RT: 9.46 min Scan# 1281

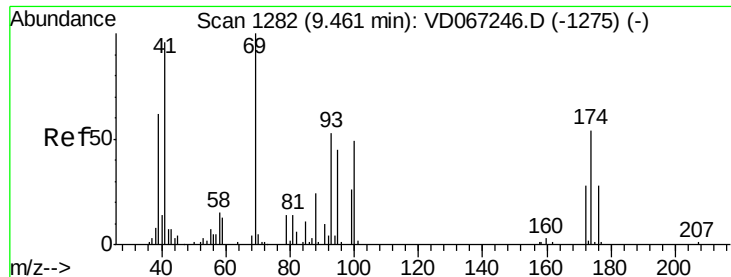
Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	41	Resp:	58696
Ion Ratio	Lower	Upper	
41	100		
69	104.6	89.0	133.6
39	73.4	60.2	90.2





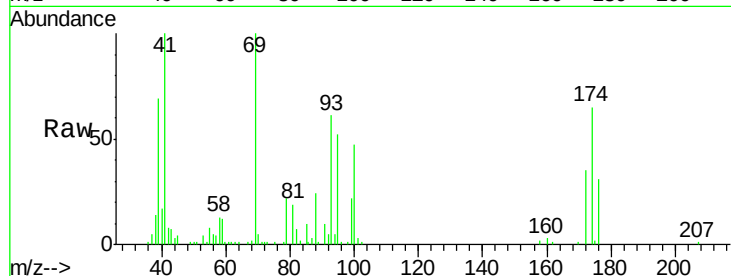
#49
1,4-Dioxane
Concen: 1018.716 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15994
Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.9	35.9
58	60.3	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM

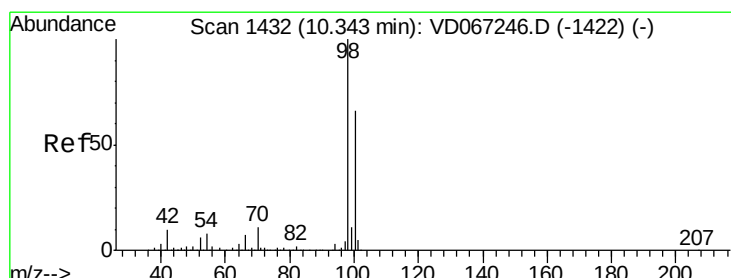
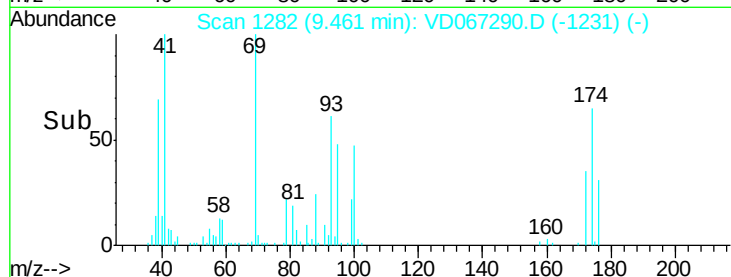
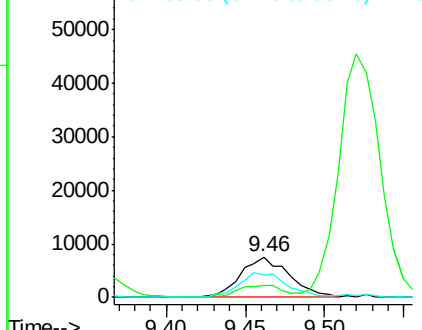


Abundance

Ion 88.00 (87.70 to 88.70): VDC

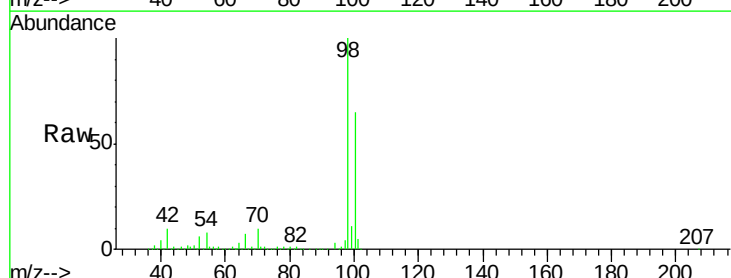
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 50.694 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

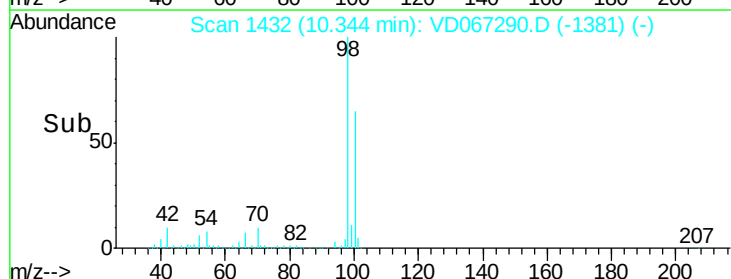
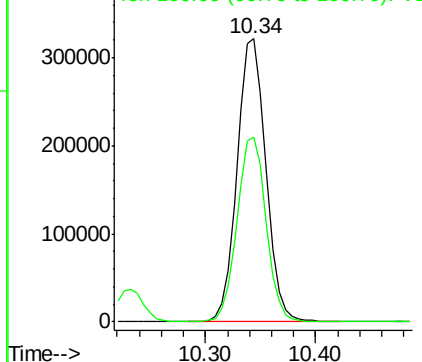
Tgt Ion	98	Resp	590276
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7

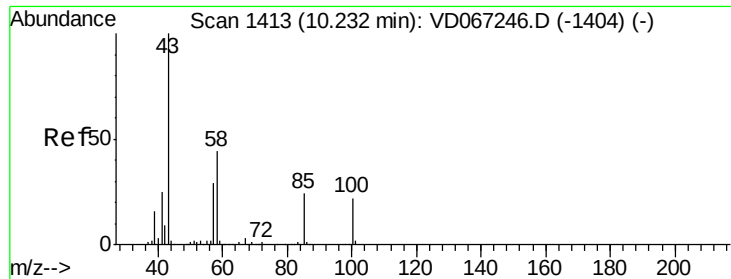


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 246.548 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 294181

Ion Ratio Lower Upper

43 100

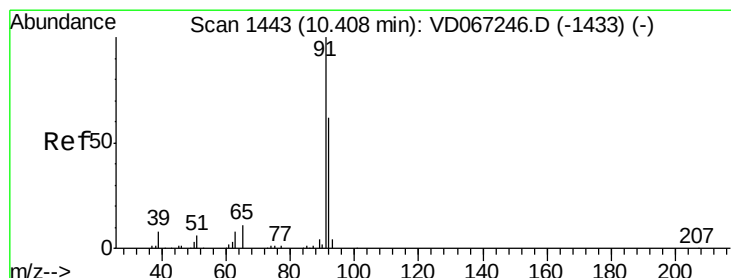
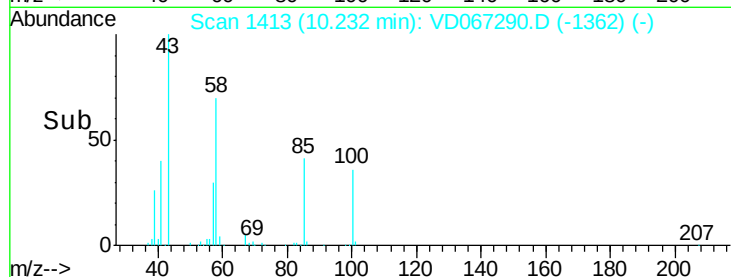
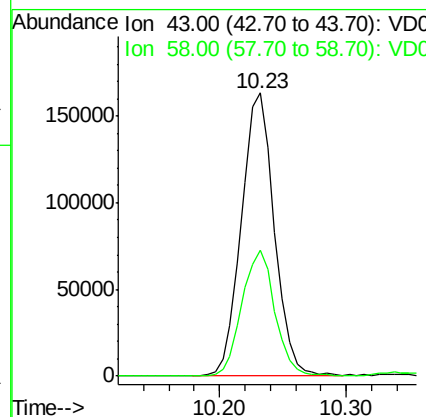
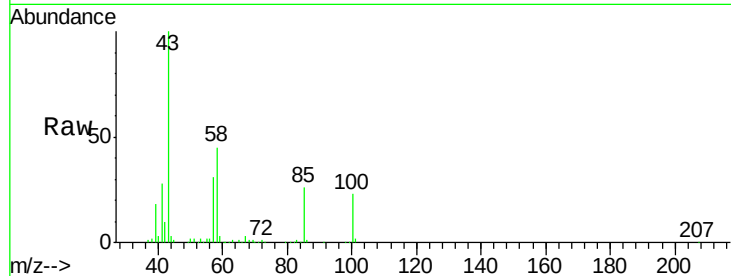
58 44.7 35.7 53.5

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:25 AM



#52

Toluene

Concen: 51.206 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067290.D

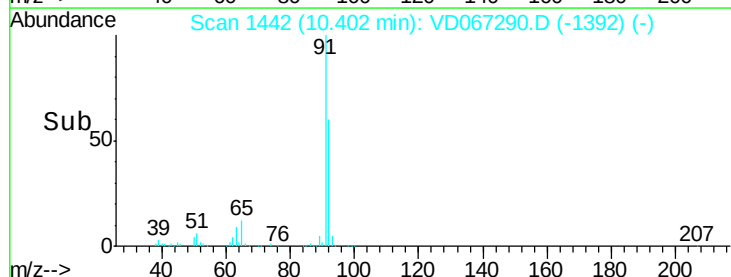
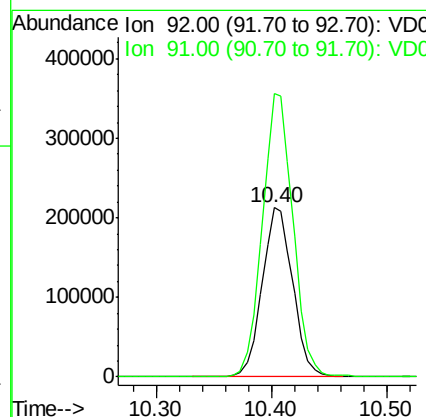
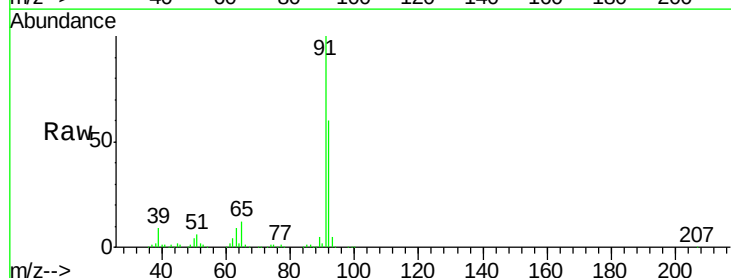
Acq: 16 Oct 2020 10:46

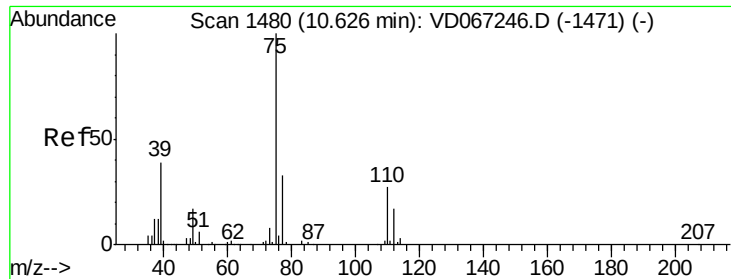
Tgt Ion: 92 Resp: 392074

Ion Ratio Lower Upper

92 100

91 168.1 133.8 200.8





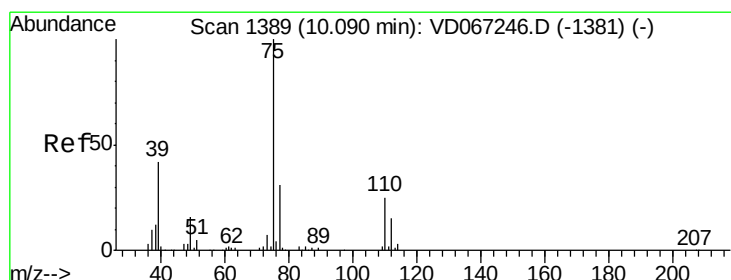
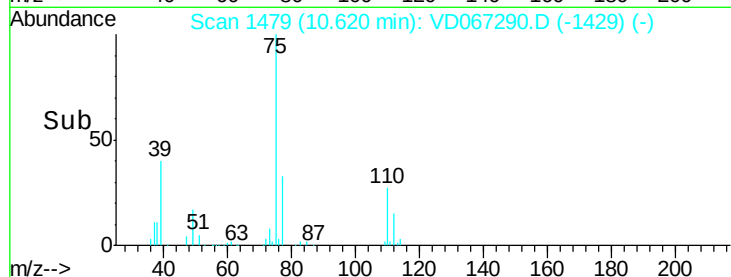
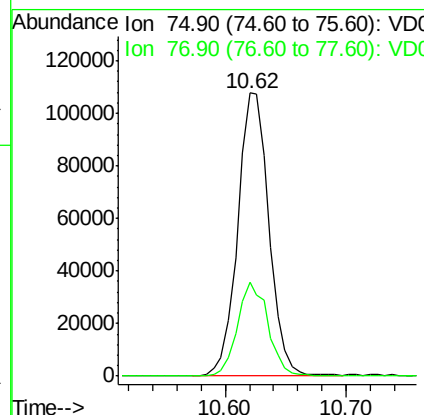
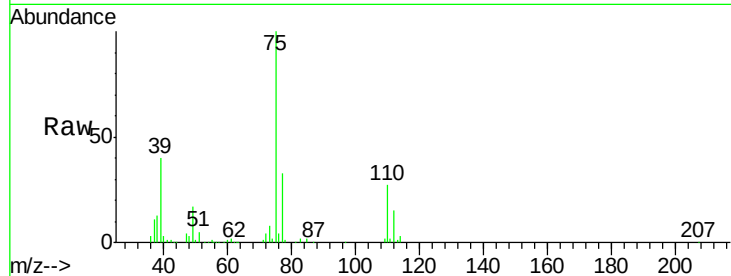
#53
t-1,3-Dichloropropene
Concen: 50.943 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 194629
Ion Ratio Lower Upper
75 100
77 33.0 26.5 39.7

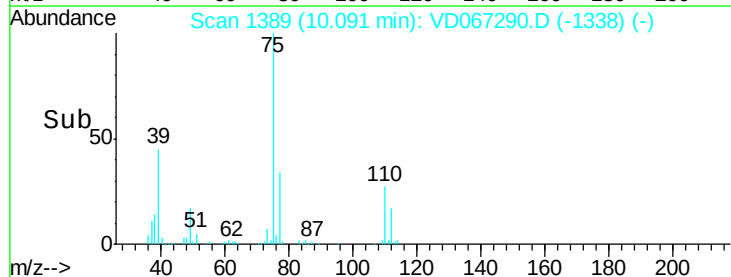
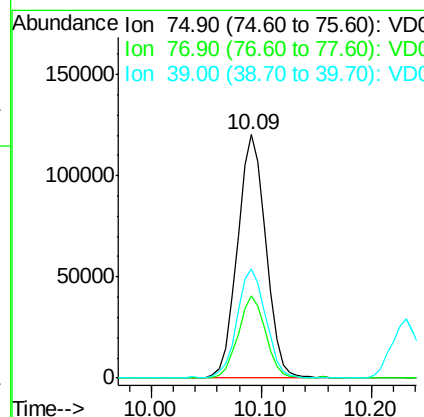
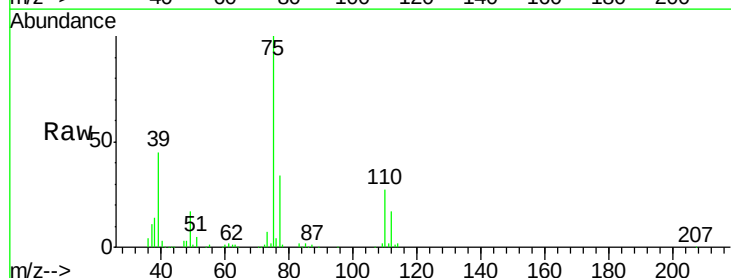
Manual Integrations
APPROVED

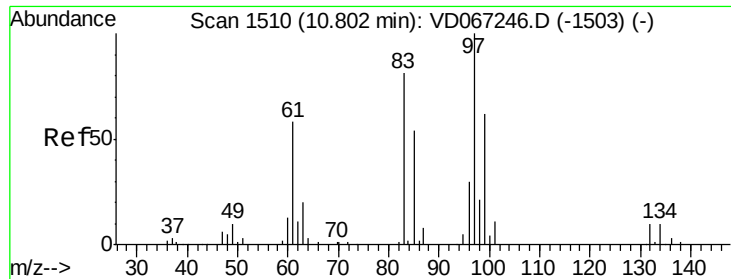
MMDadoda
10/19/2020 11:09:25 AM



#54
cis-1,3-Dichloropropene
Concen: 48.860 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 75 Resp: 218463
Ion Ratio Lower Upper
75 100
77 33.7 24.5 36.7
39 44.8 33.7 50.5





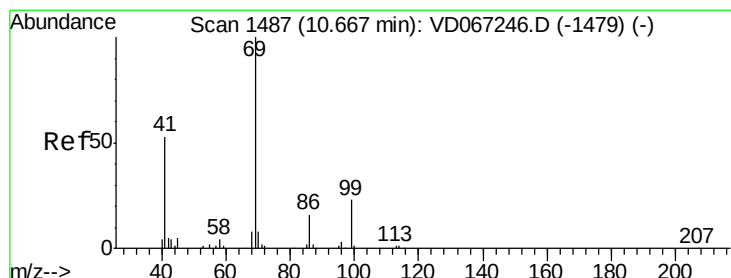
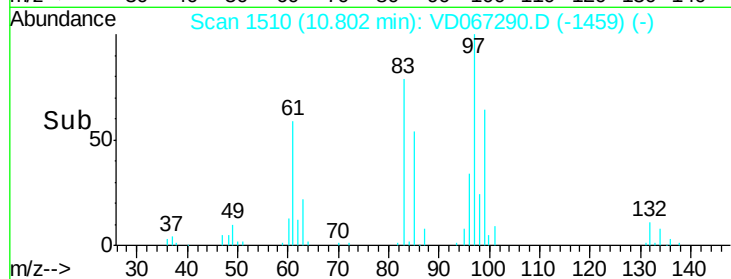
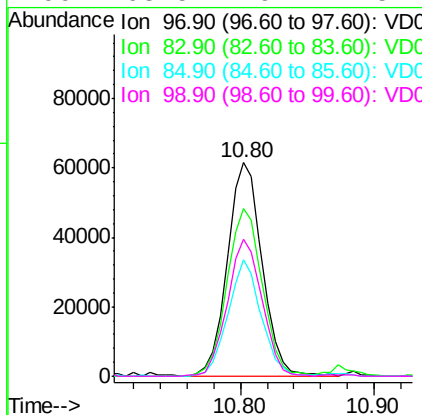
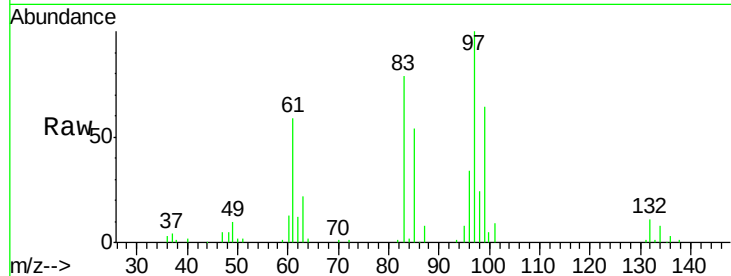
#55
 1,1,2-Trichloroethane
 Concen: 50.291 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111321
Ion	Ratio	Lower	Upper
97	100		
83	78.7	64.9	97.3
85	54.4	43.3	64.9
99	63.5	49.1	73.7

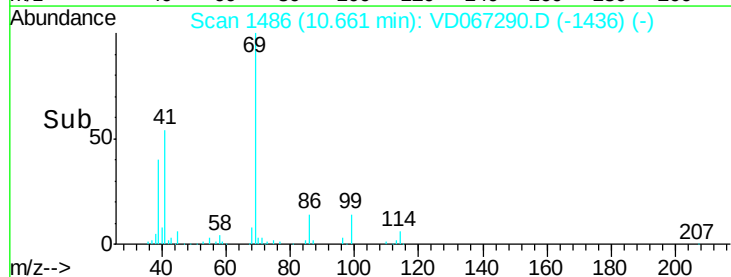
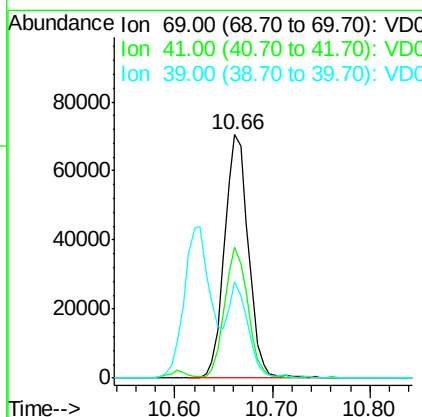
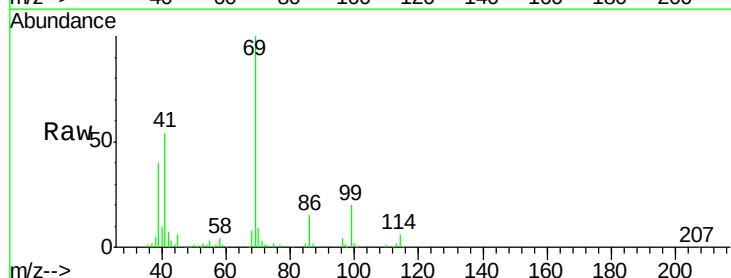
Manual Integrations
 APPROVED

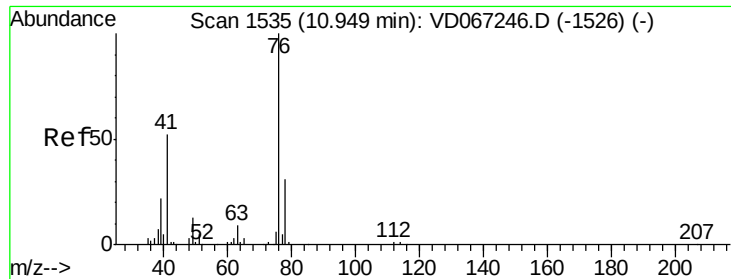
MMDadoda
 10/19/2020 11:09:25 AM



#56
 Ethyl methacrylate
 Concen: 52.163 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion:	69	Resp:	119750
Ion	Ratio	Lower	Upper
69	100		
41	51.8	44.7	67.1
39	31.6	26.2	39.2





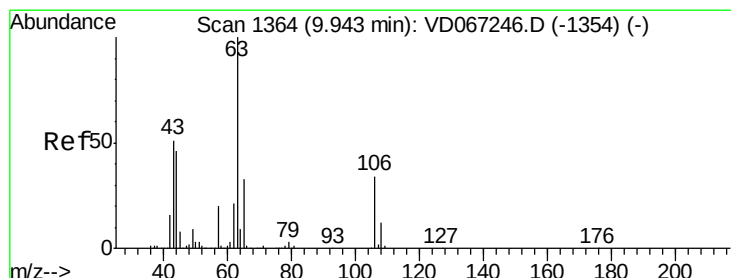
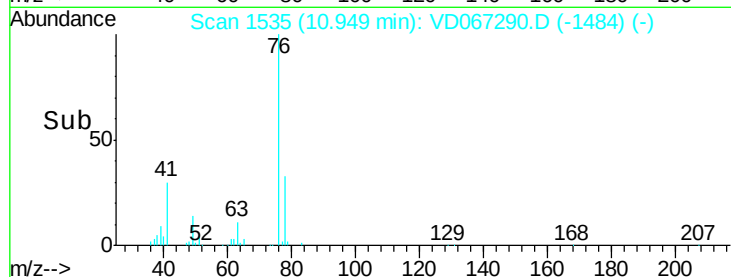
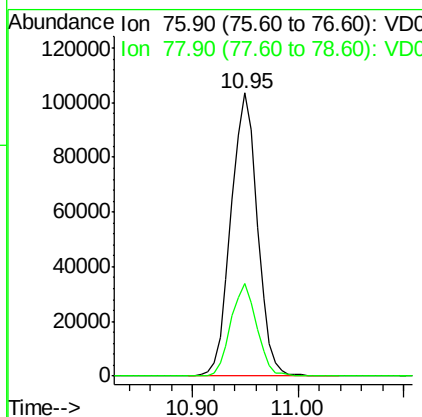
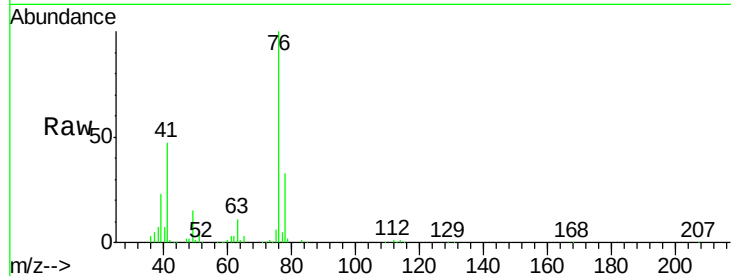
#57
 1,3-Dichloropropane
 Concen: 50.867 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.8	40.2

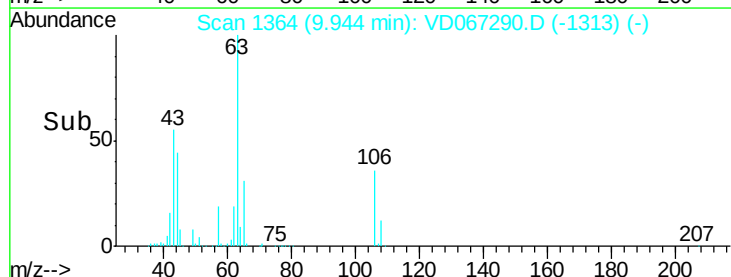
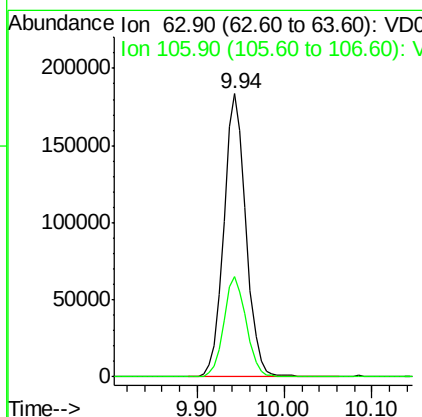
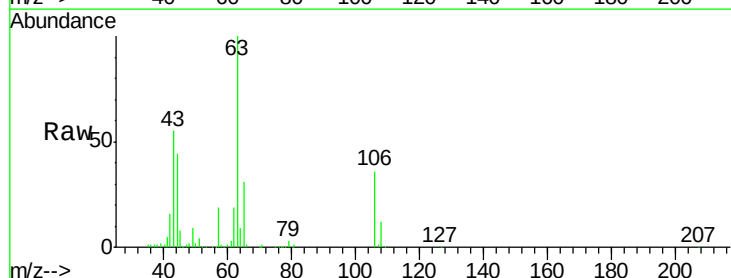
Manual Integrations
 APPROVED

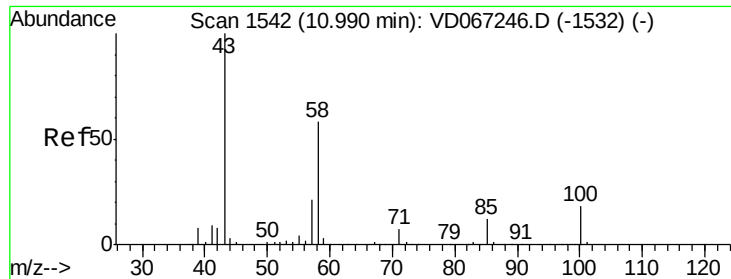
MMDadoda
 10/19/2020 11:09:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.321 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.9	27.8	41.6





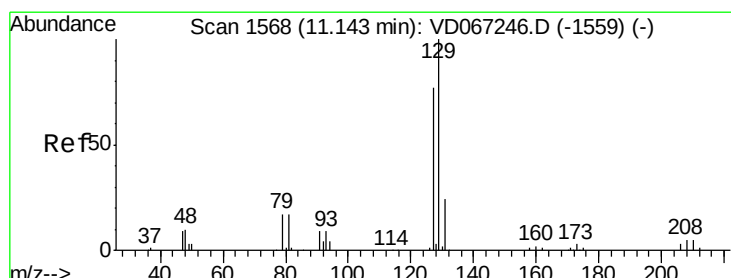
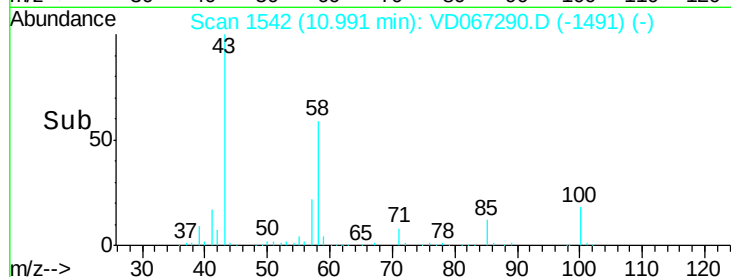
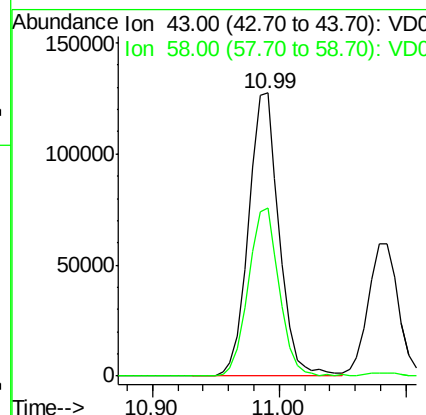
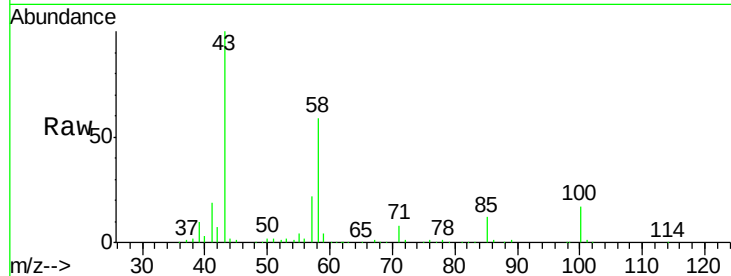
#59
2-Hexanone
Concen: 262.290 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 213858
Ion Ratio Lower Upper
43 100
58 59.9 29.3 87.9

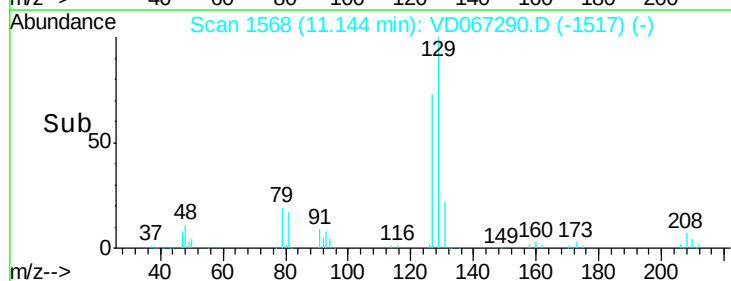
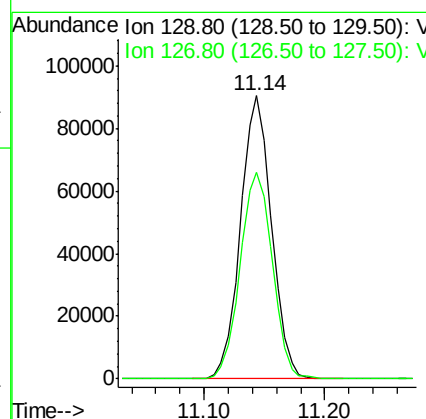
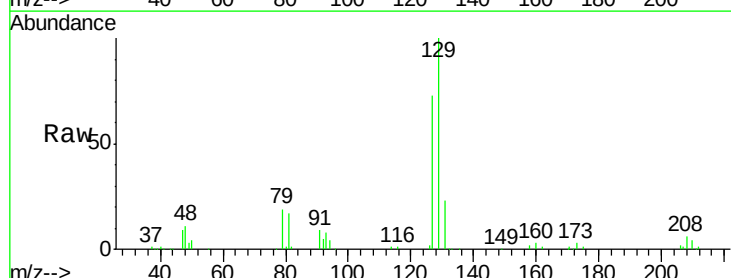
Manual Integrations
APPROVED

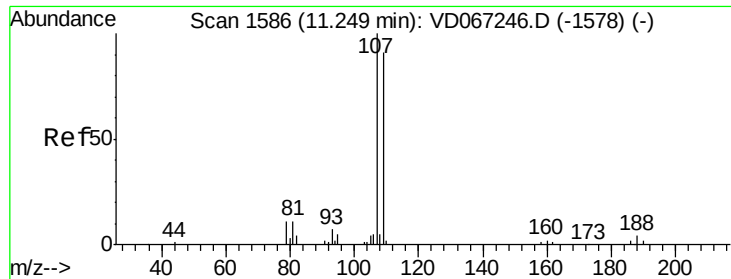
MMDadoda
10/19/2020 11:09:25 AM



#60
Dibromochloromethane
Concen: 50.267 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 129 Resp: 162269
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8





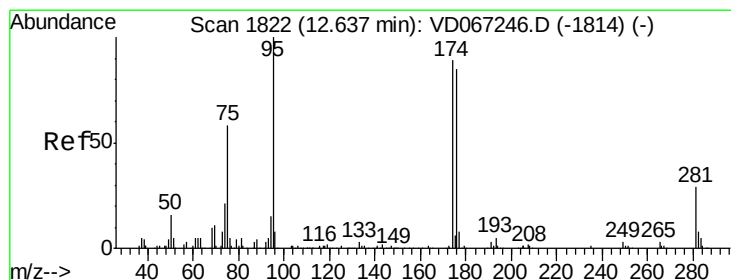
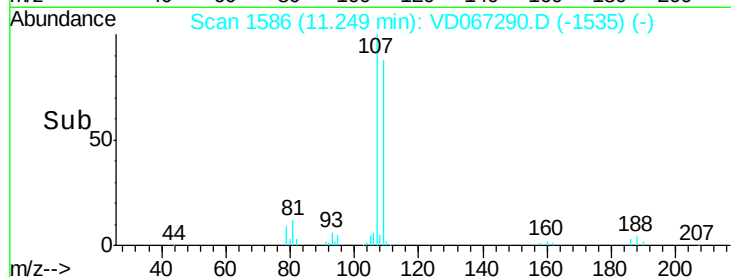
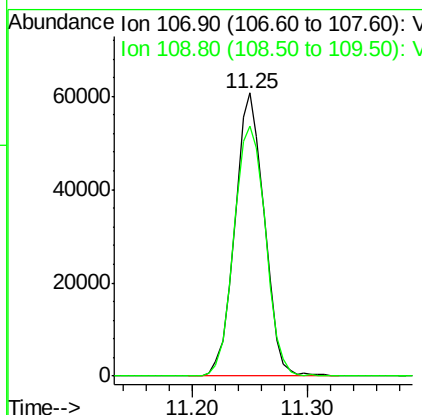
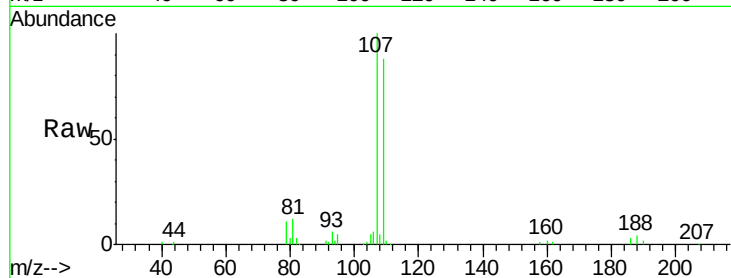
#61
 1,2-Dibromoethane
 Concen: 48.997 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	106924		
109	94.6	74.6	112.0	

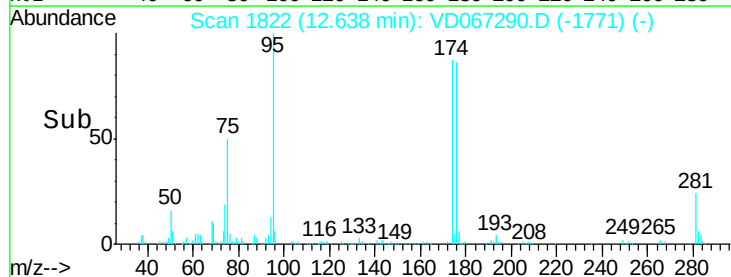
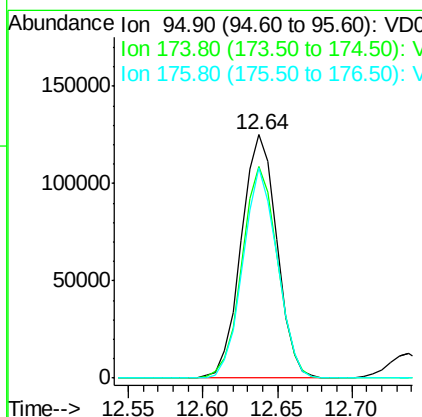
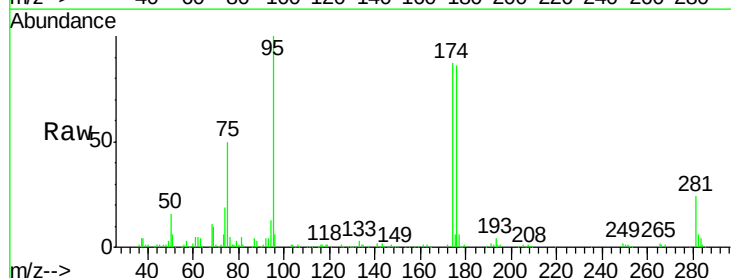
Manual Integrations
 APPROVED

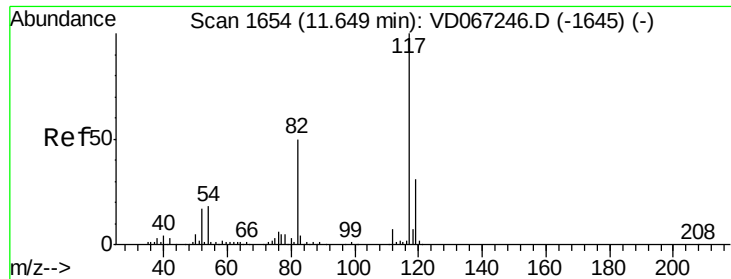
MMDadoda
 10/19/2020 11:09:25 AM



#62
 4-Bromofluorobenzene
 Concen: 51.148 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	207090		
174	86.3	0.0	175.2	
176	83.1	0.0	168.6	





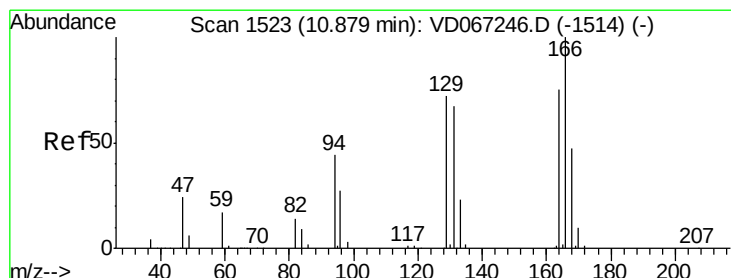
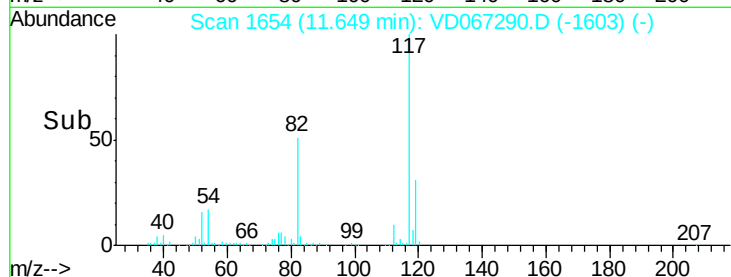
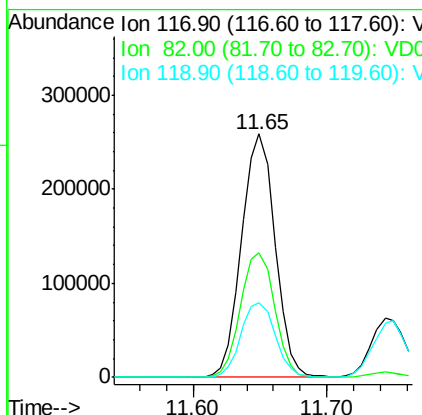
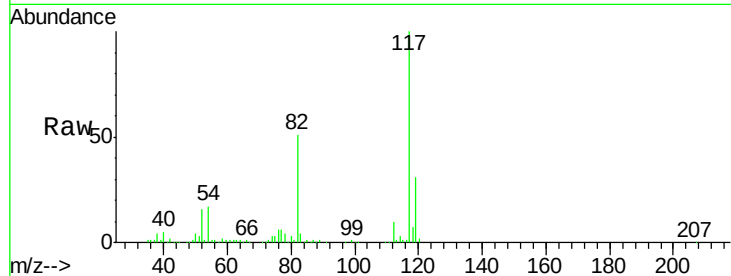
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	39.9	59.9
119	30.8	24.9	37.3

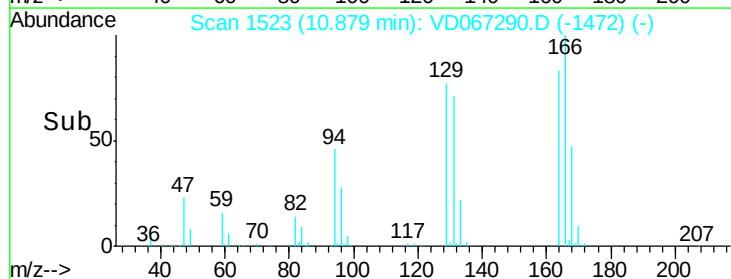
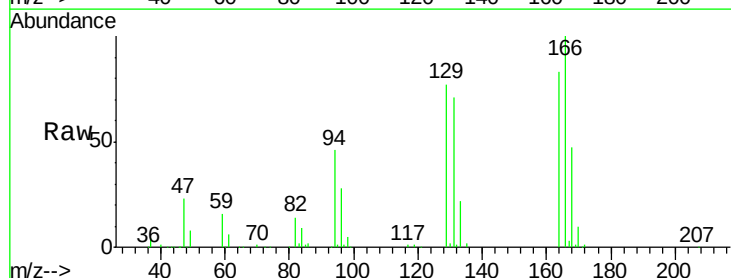
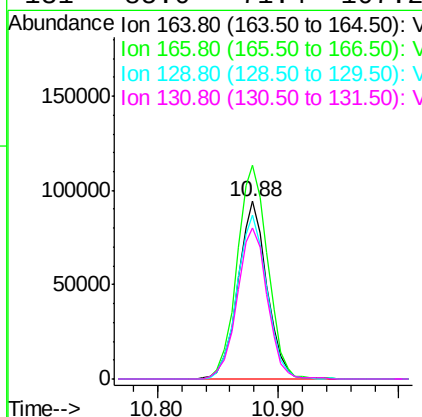
Manual Integrations
APPROVED

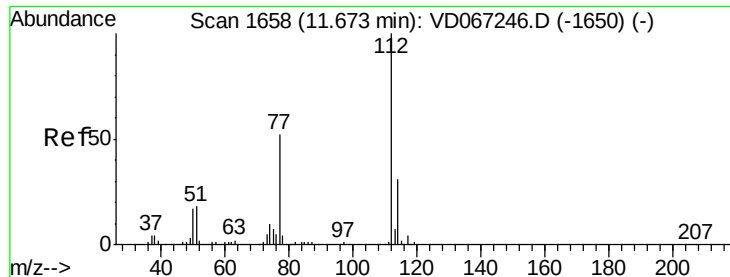
MMDadoda
10/19/2020 11:09:25 AM



#64
Tetrachloroethene
Concen: 48.372 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.4	107.3	160.9
129	92.4	77.3	115.9
131	85.0	71.4	107.2





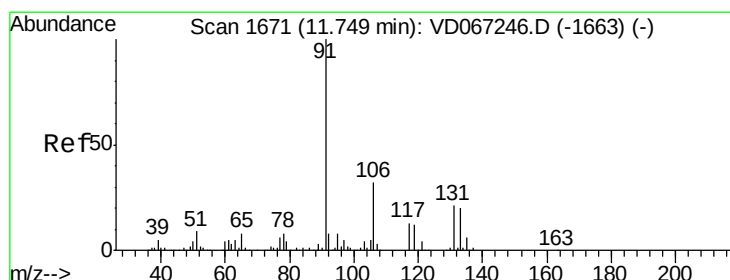
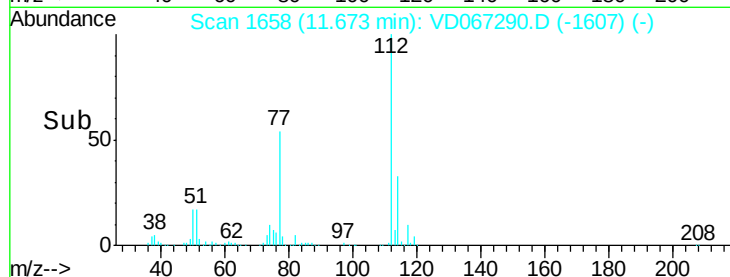
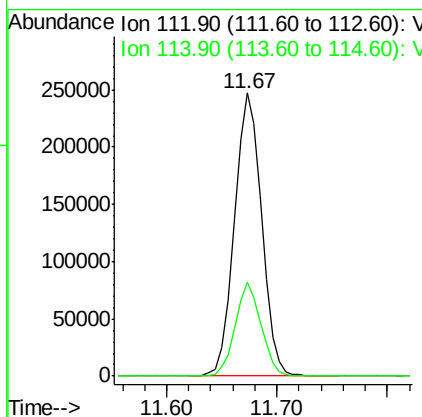
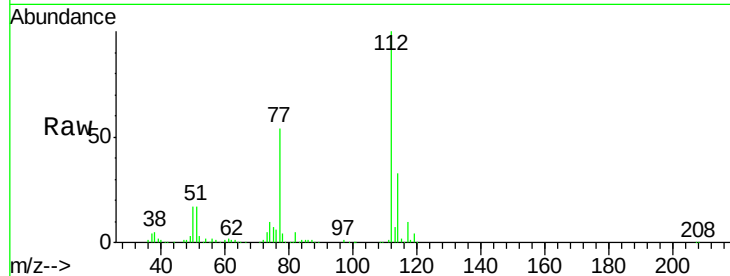
#65
Chlorobenzene
Concen: 49.558 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 427316
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.4

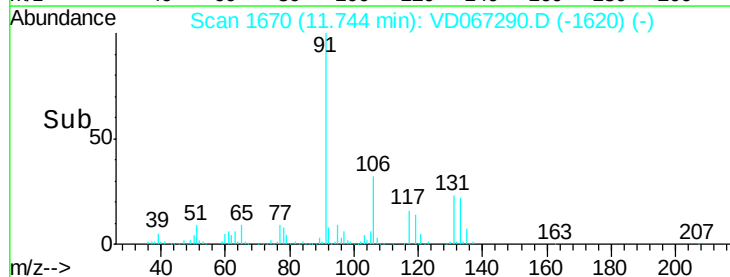
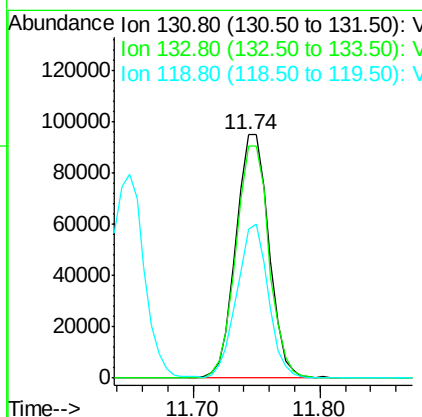
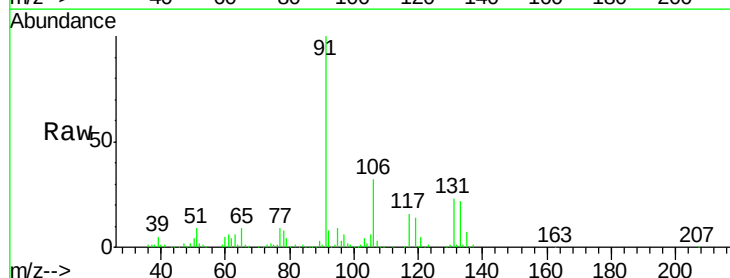
Manual Integrations
APPROVED

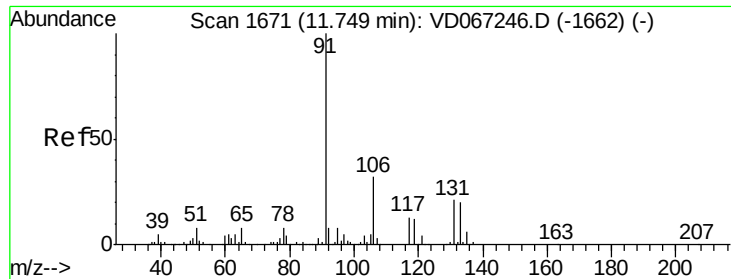
MMDadoda
10/19/2020 11:09:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.319 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion:131 Resp: 172443
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.3
119 60.0 30.0 90.0





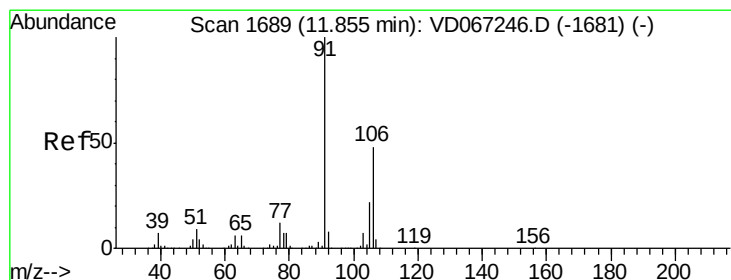
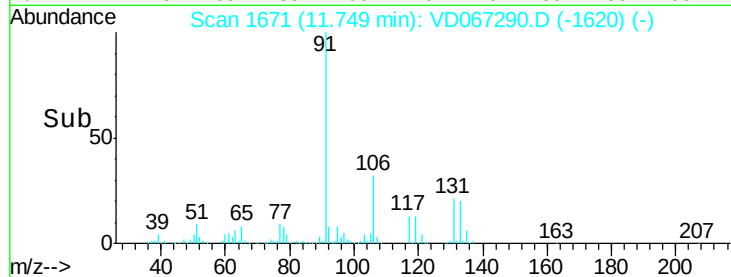
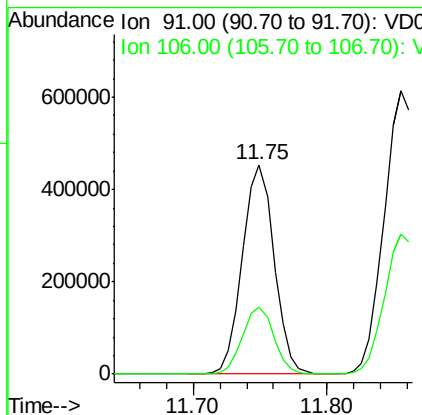
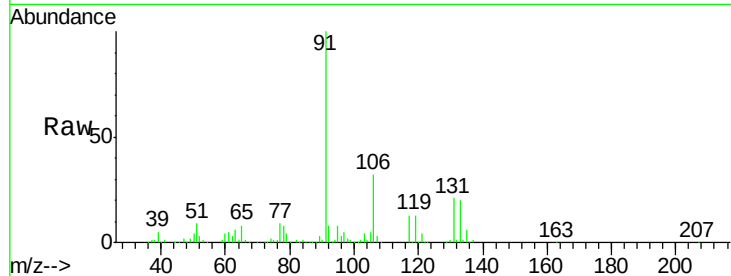
#67
Ethyl Benzene
Concen: 50.501 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 746442
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0

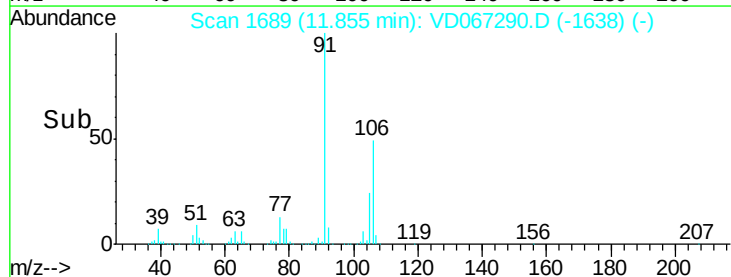
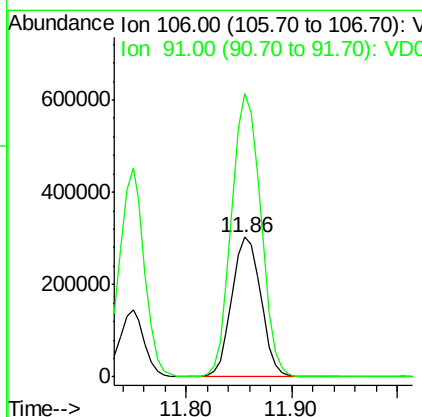
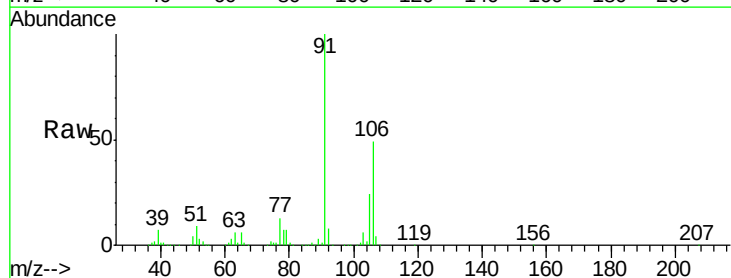
Manual Integrations
APPROVED

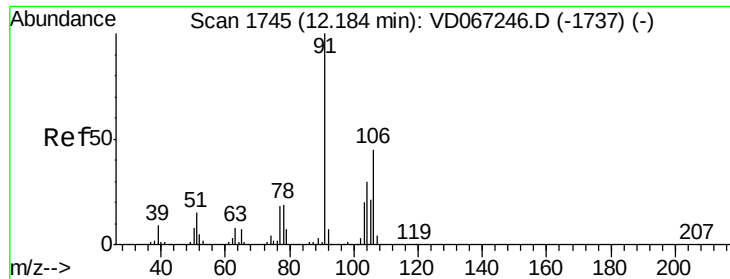
MMDadoda
10/19/2020 11:09:25 AM



#68
m/p-Xylenes
Concen: 101.310 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion: 106 Resp: 576641
Ion Ratio Lower Upper
106 100
91 203.6 163.8 245.8





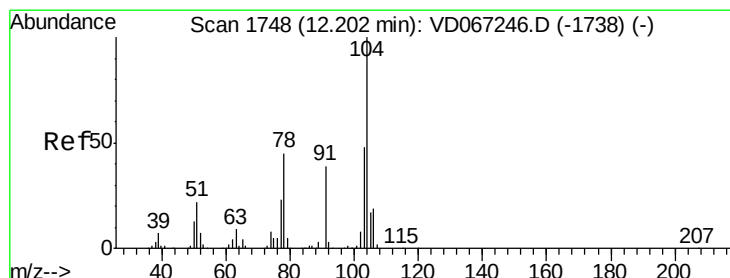
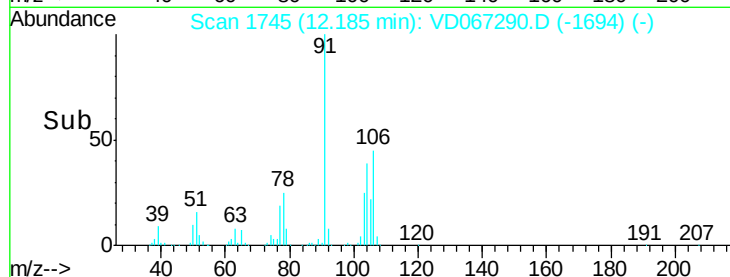
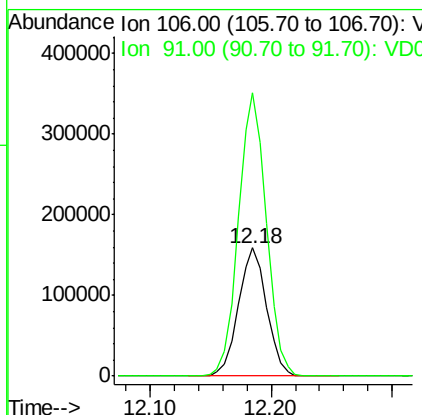
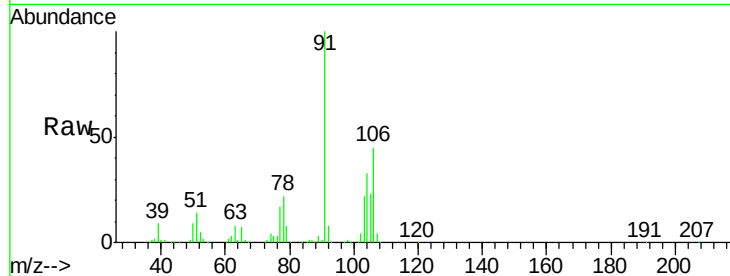
#69
o-Xylene
Concen: 49.270 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	259686		
91	217.4	109.1	327.3	

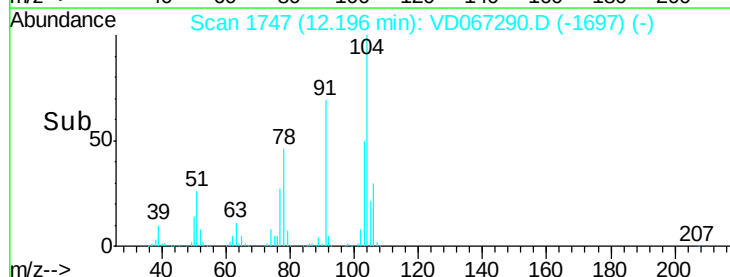
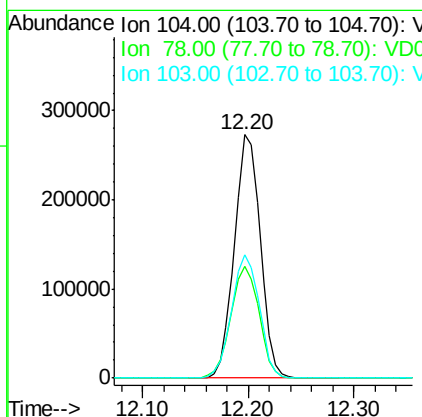
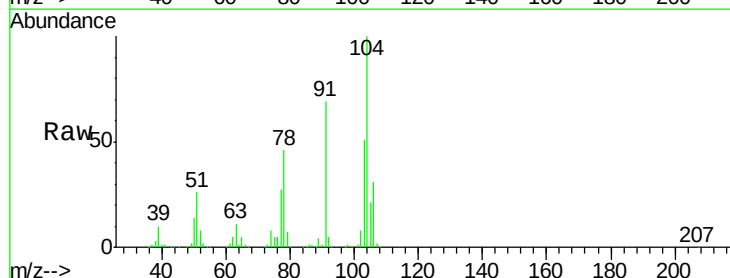
Manual Integrations
APPROVED

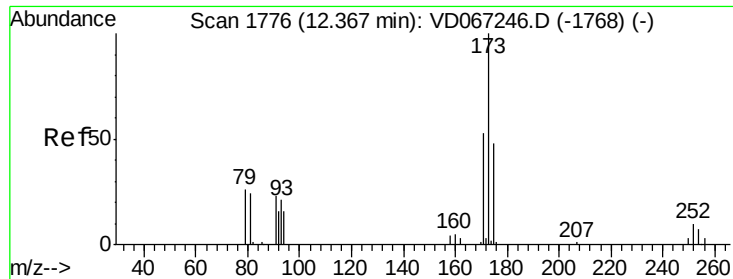
MMDadoda
10/19/2020 11:09:25 AM



#70
Styrene
Concen: 50.997 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	462706		
78	49.9	39.8	59.6	
103	54.0	42.6	64.0	





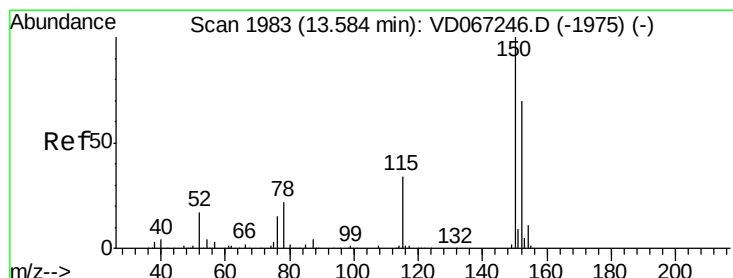
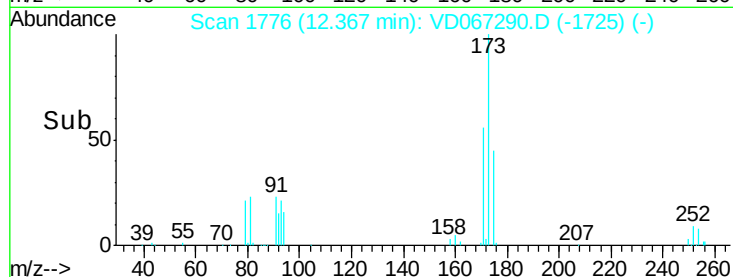
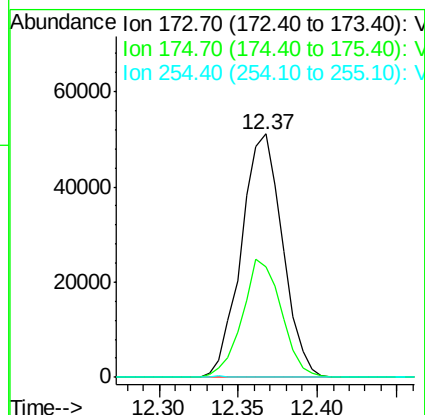
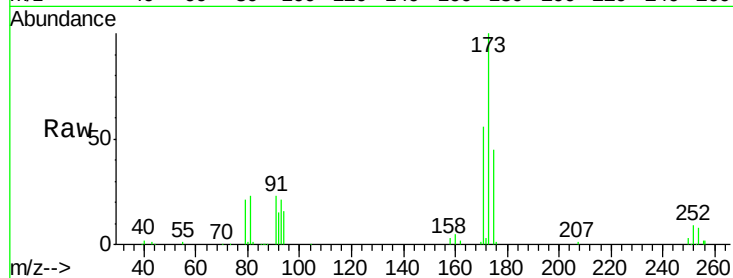
#71
Bromoform
Concen: 50.221 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.2	72.6
254	0.0	0.1	0.1#

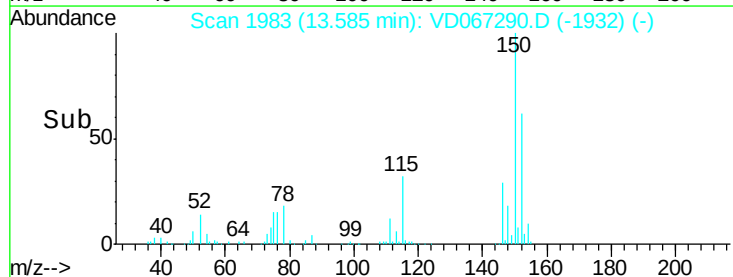
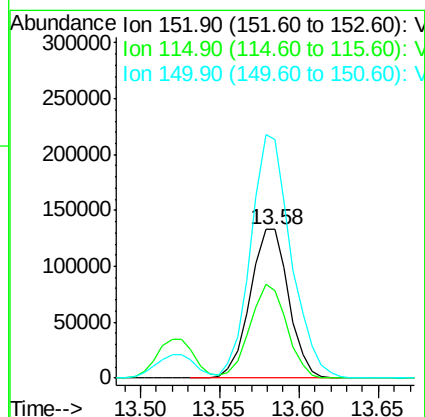
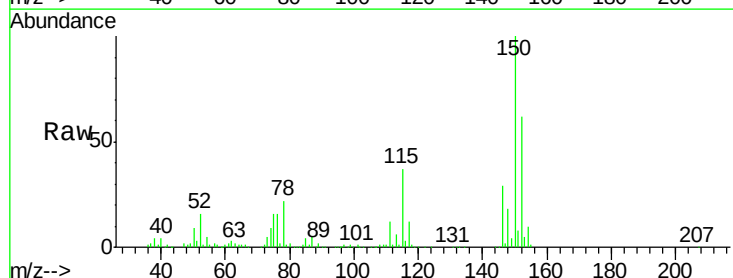
Manual Integrations
APPROVED

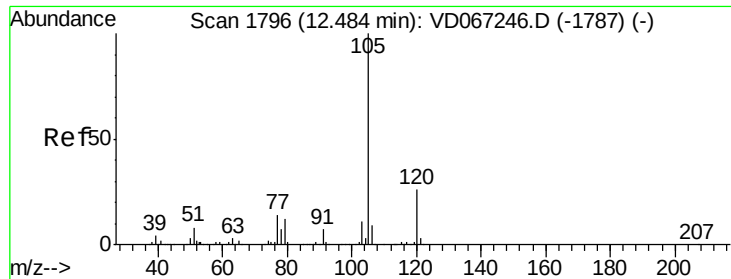
MMDadoda
10/19/2020 11:09:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.3	87.9
150	171.8	0.0	339.0





#73

Isopropylbenzene

Concen: 52.629 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 750450

Ion Ratio Lower Upper

105 100

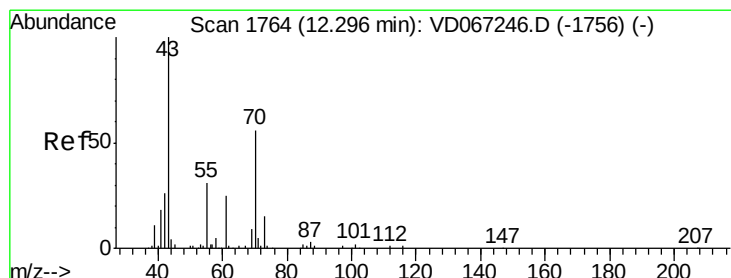
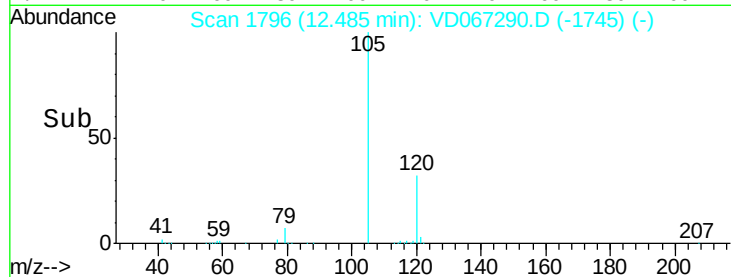
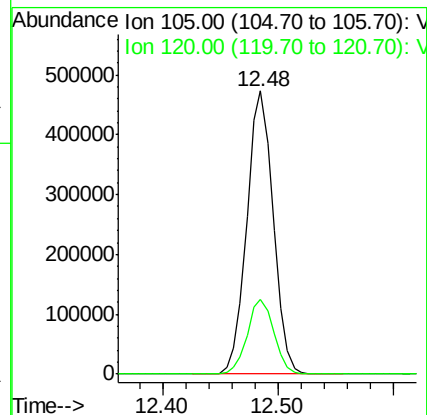
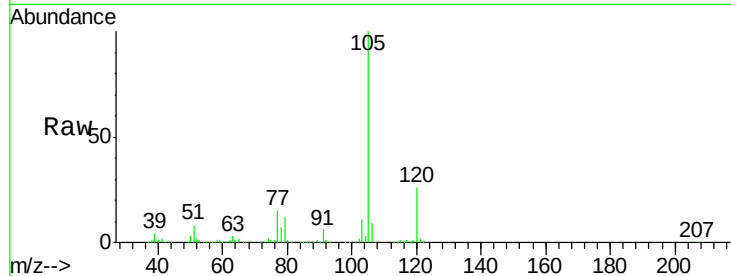
120 26.7 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:25 AM



#74

N-ethyl acetate

Concen: 49.026 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion: 43 Resp: 105583

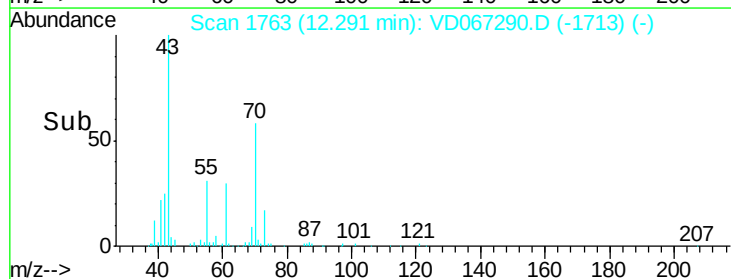
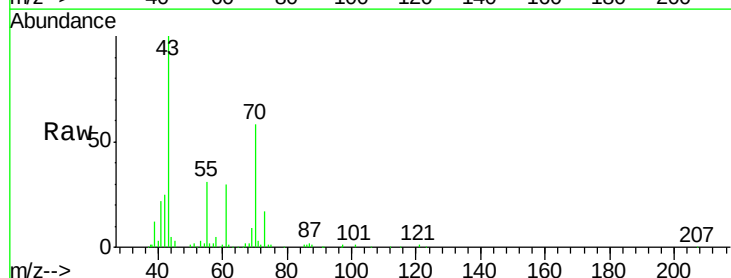
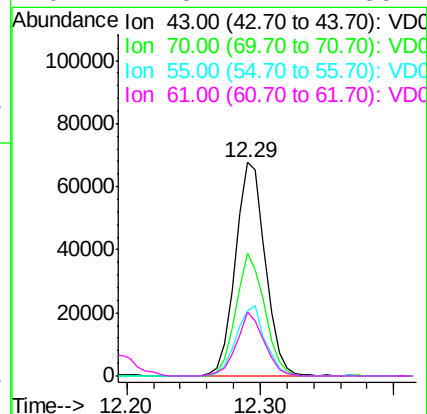
Ion Ratio Lower Upper

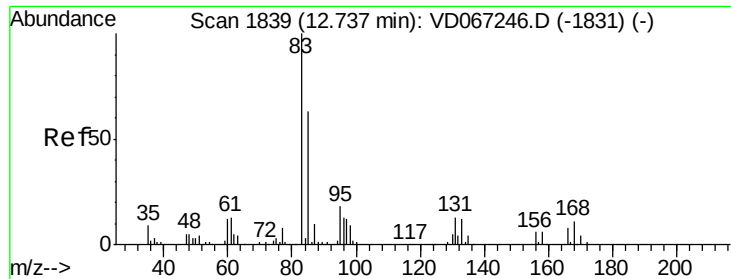
43 100

70 54.9 42.7 64.1

55 31.9 24.0 36.0

61 27.3 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.849 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

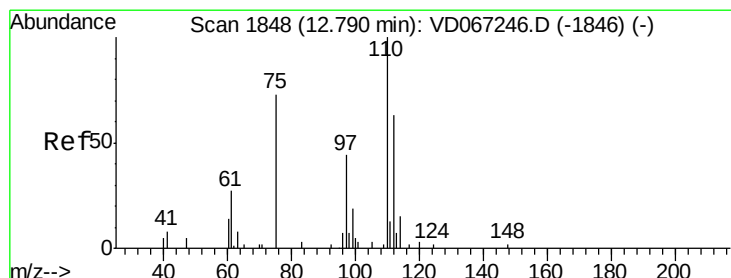
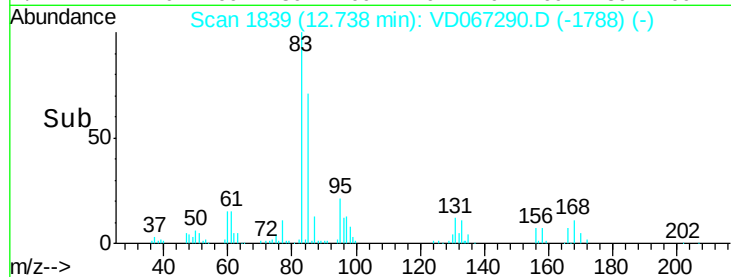
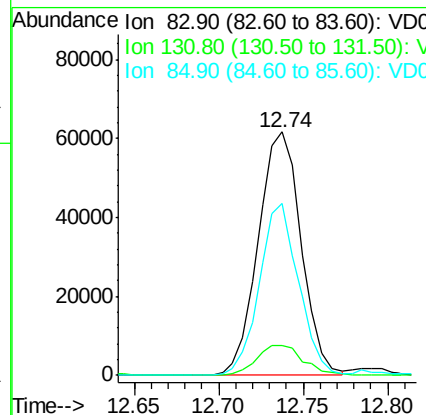
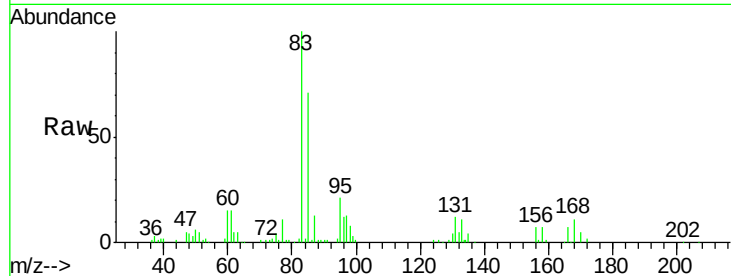
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	108913
Ion Ratio	Lower	Upper	
83	100		
131	13.6	6.5	19.5
85	64.8	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#76

1,2,3-Trichloropropane

Concen: 50.767 ug/l m

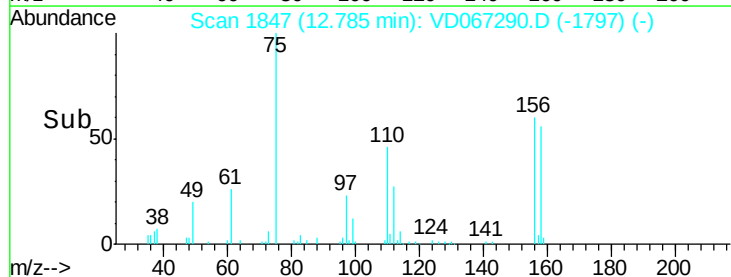
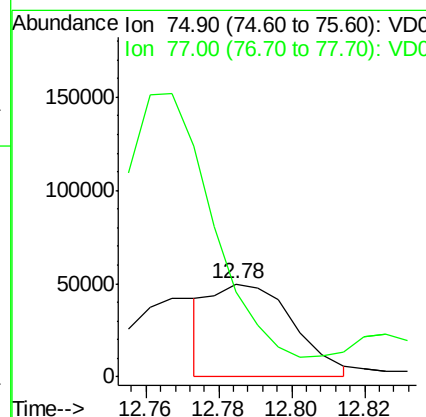
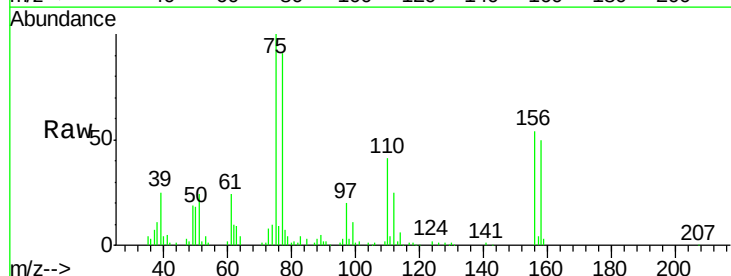
RT: 12.78 min Scan# 1847

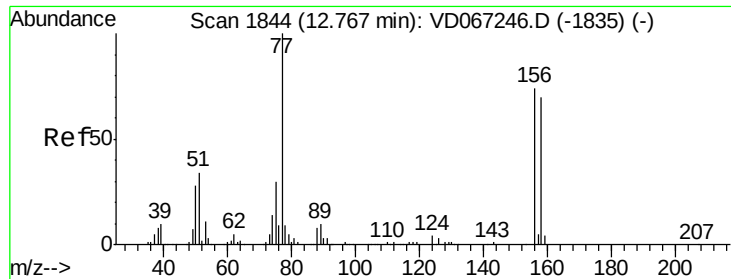
Delta R.T. -0.01 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion:	75	Resp:	79054
Ion Ratio	Lower	Upper	
75	100		
77	360.7	0.0	0.0#





#77

Bromobenzene

Concen: 50.759 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

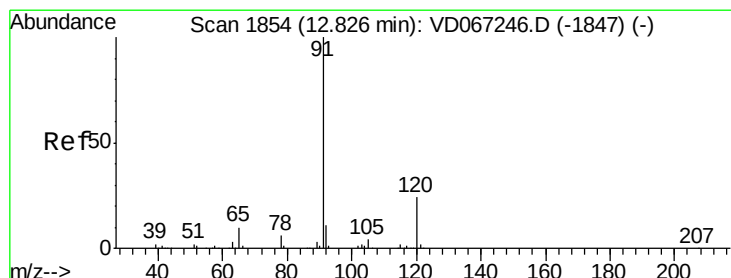
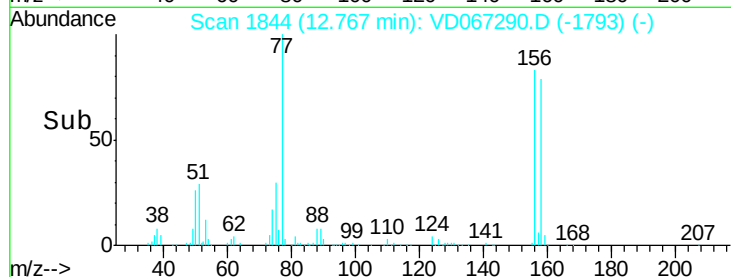
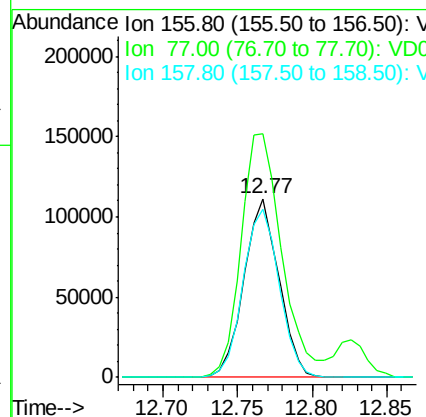
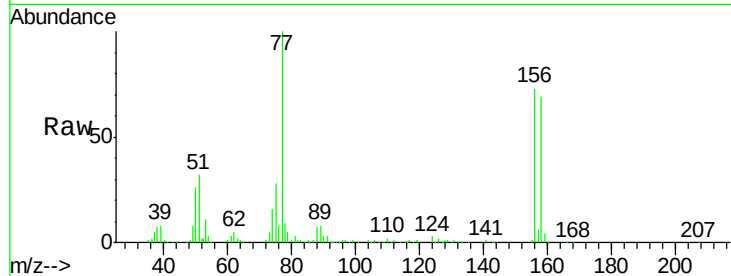
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.0	78.0	233.8
158	97.5	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#78

n-propylbenzene

Concen: 52.085 ug/l

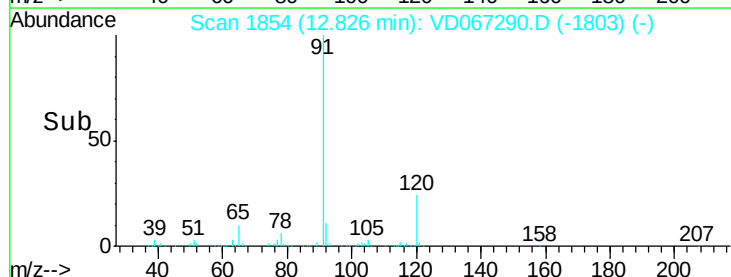
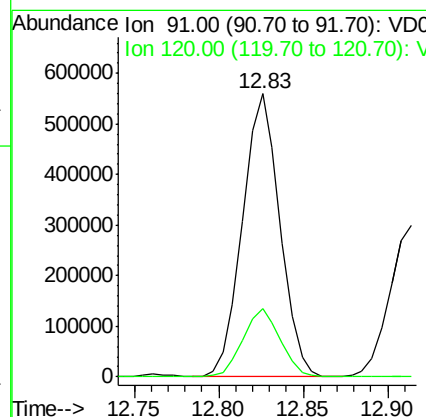
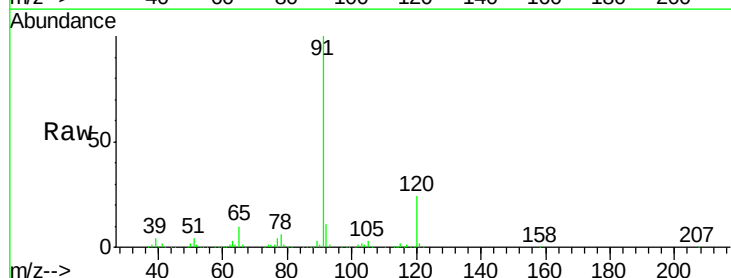
RT: 12.83 min Scan# 1854

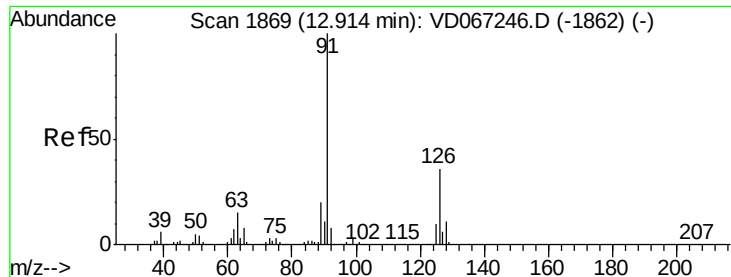
Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 51.224 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067290.D

Acq: 16 Oct 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 490771

Ion Ratio Lower Upper

91 100

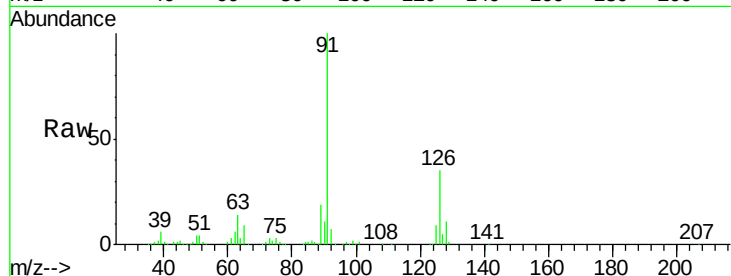
126 35.6 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067246.D (-1862) (-)

12.91

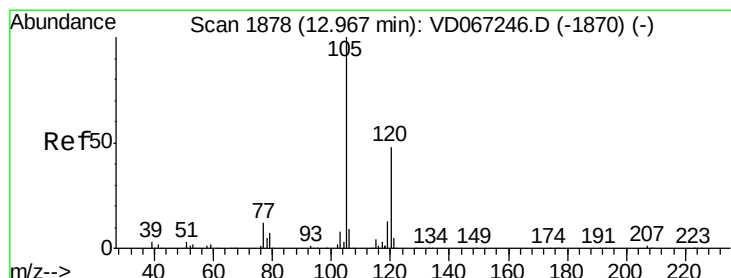
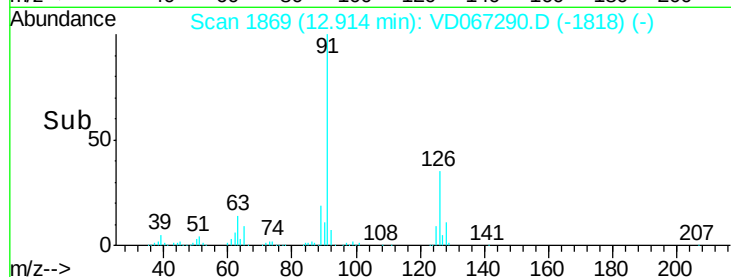
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.274 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067290.D

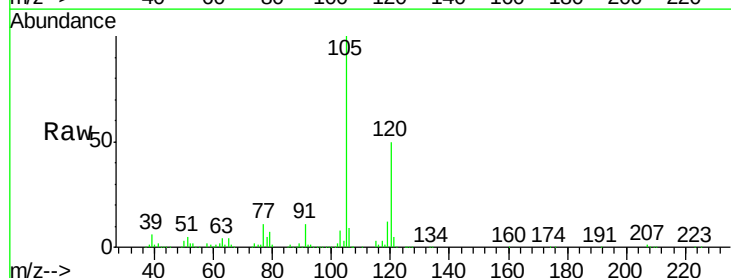
Acq: 16 Oct 2020 10:46

Tgt Ion: 105 Resp: 647741

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067246.D (-1870) (-)

12.97

400000

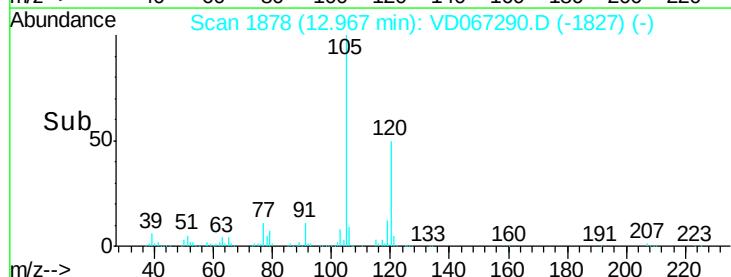
300000

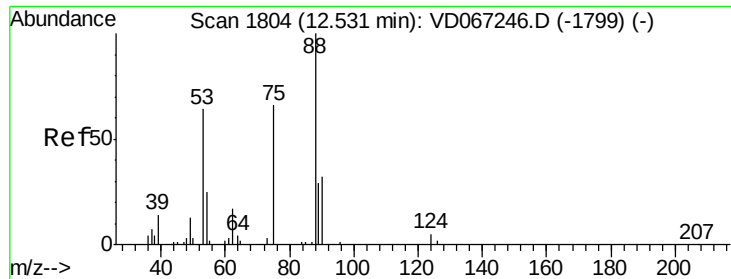
200000

100000

0

Time-->





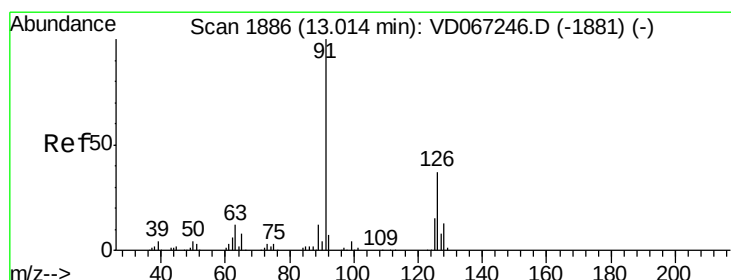
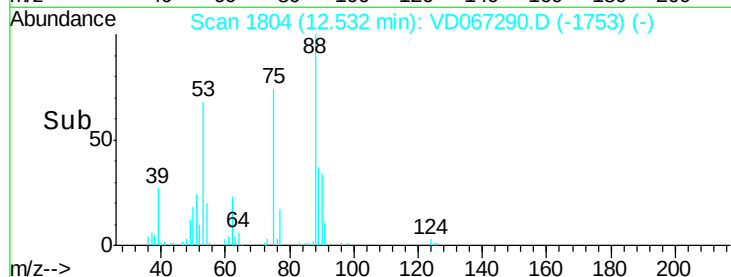
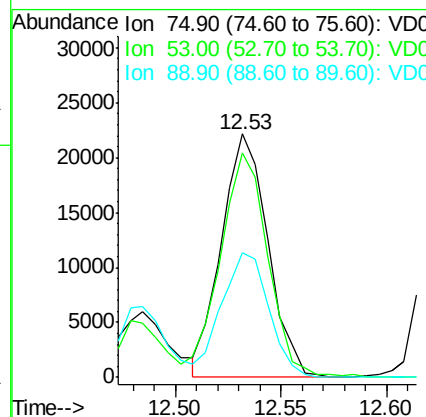
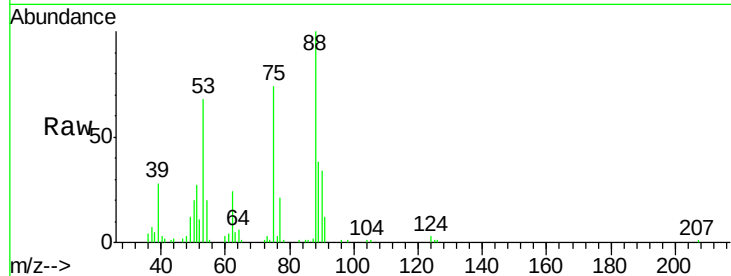
#81
trans-1,4-Dichloro-2-butene
Concen: 49.073 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.5	117.7
89	52.1	39.9	59.9

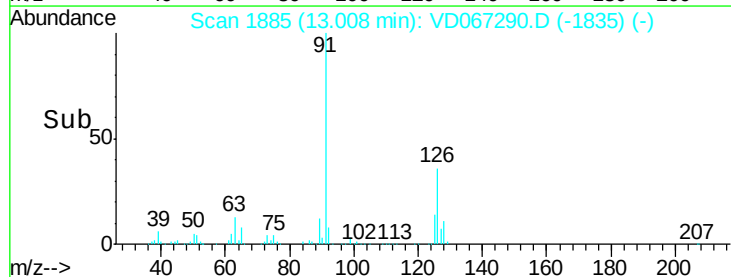
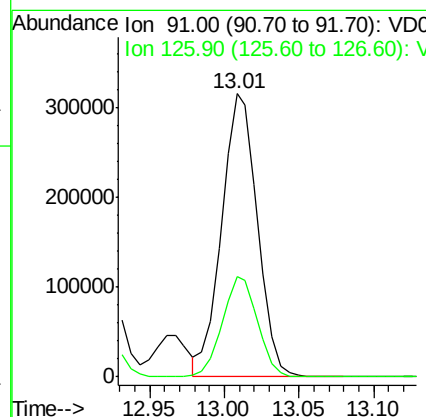
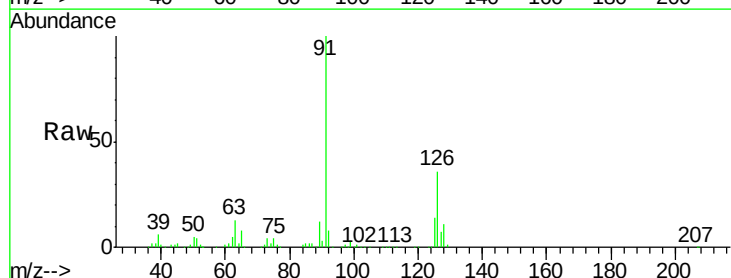
Manual Integrations
APPROVED

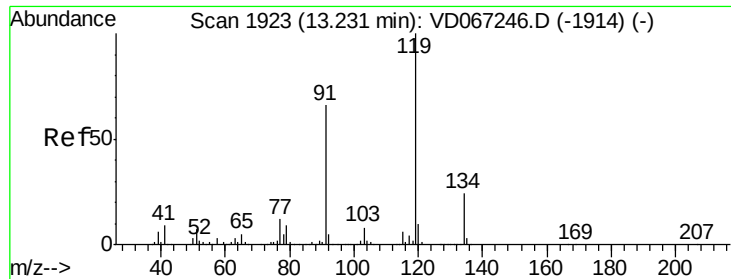
MMDadoda
10/19/2020 11:09:25 AM



#82
4-Chlorotoluene
Concen: 51.873 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.5





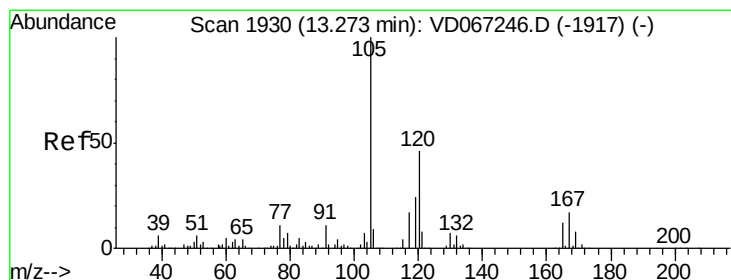
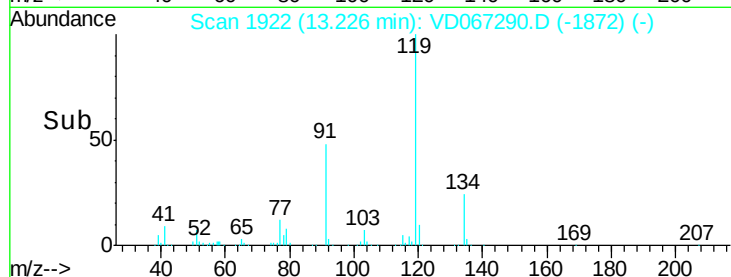
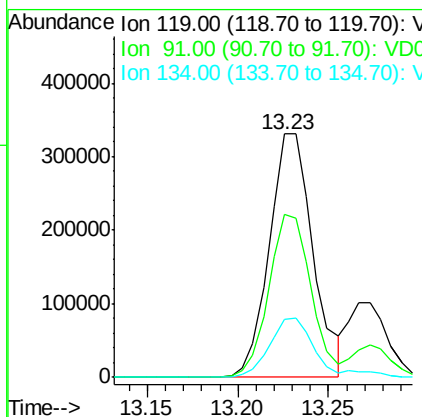
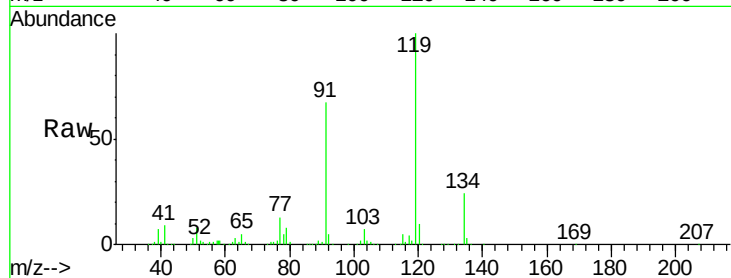
#83
tert-Butylbenzene
Concen: 53.226 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	557116		
91	64.5	33.1	99.2	
134	26.0	13.3	39.9	

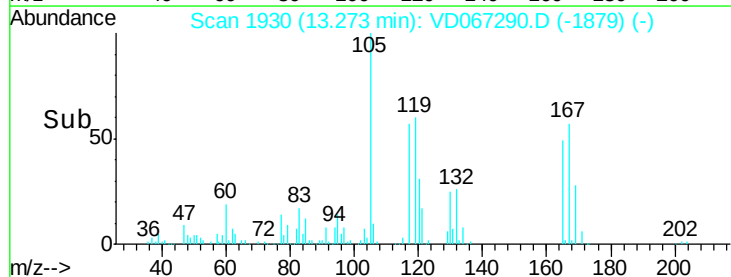
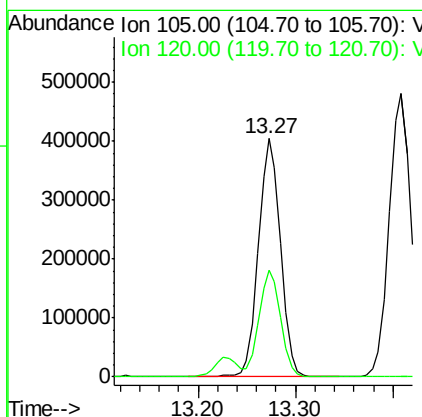
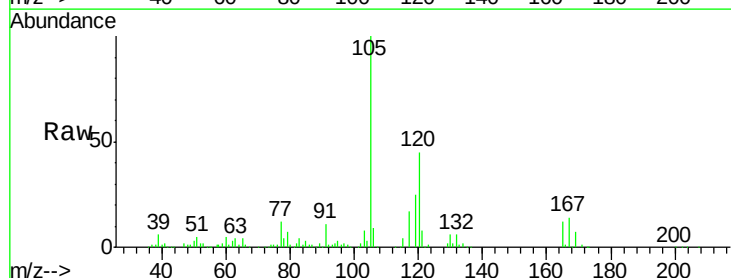
Manual Integrations
APPROVED

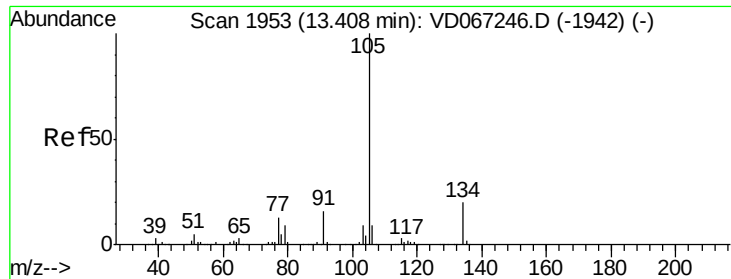
MMDadoda
10/19/2020 11:09:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.867 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	647465		
120	43.4	22.4	67.3	





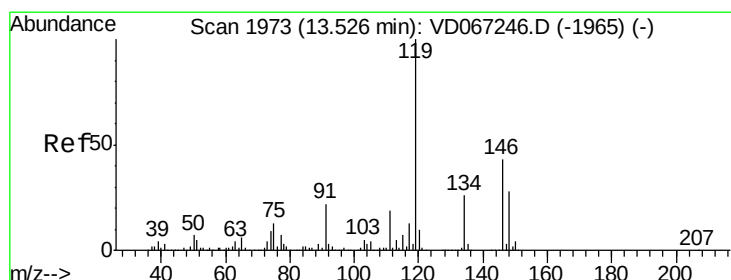
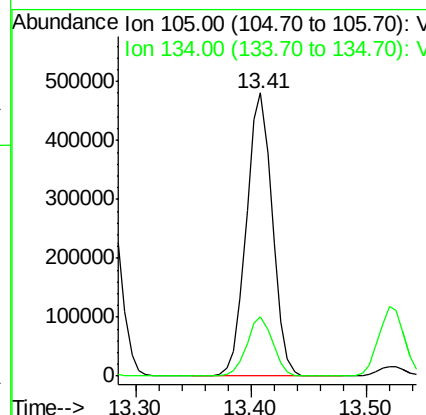
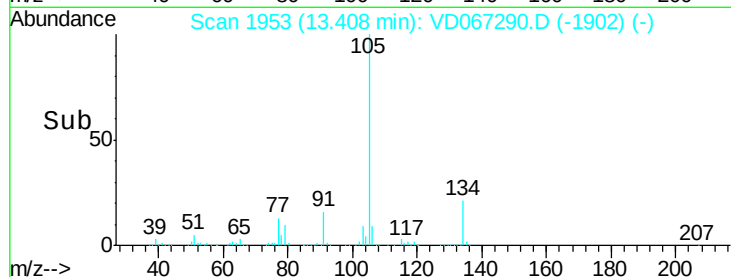
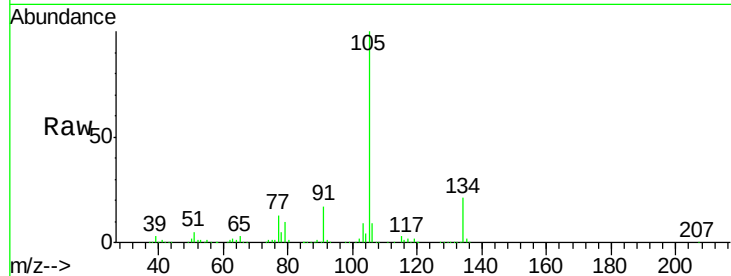
#85
 sec-Butylbenzene
 Concen: 52.158 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

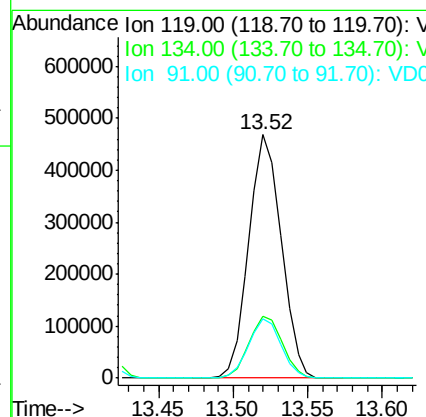
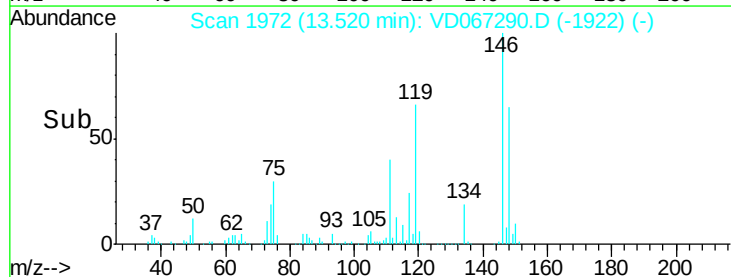
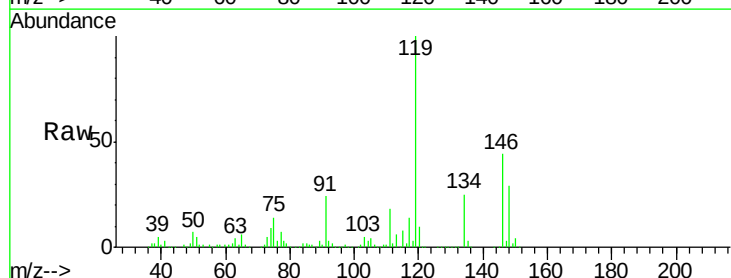
Manual Integrations
 APPROVED

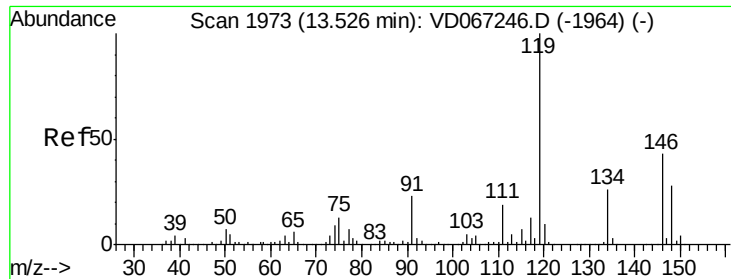
MMDadoda
 10/19/2020 11:09:25 AM



#86
 p-Isopropyltoluene
 Concen: 52.099 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.4	11.9	35.9





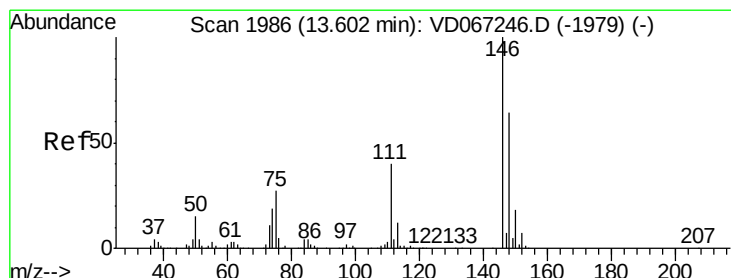
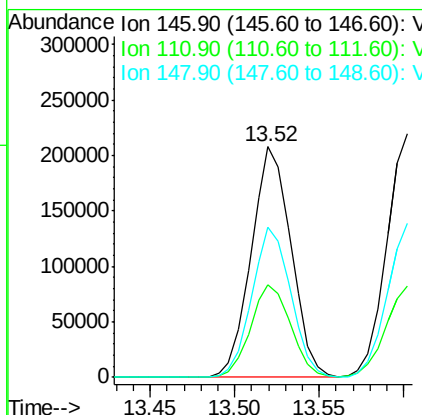
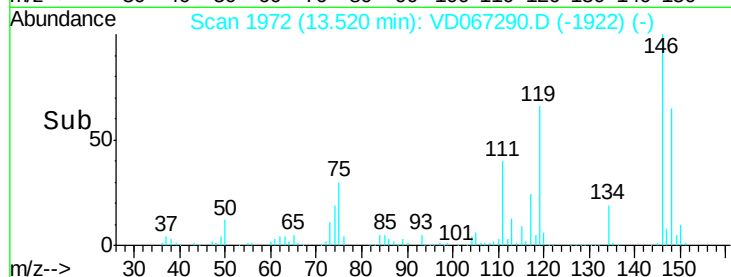
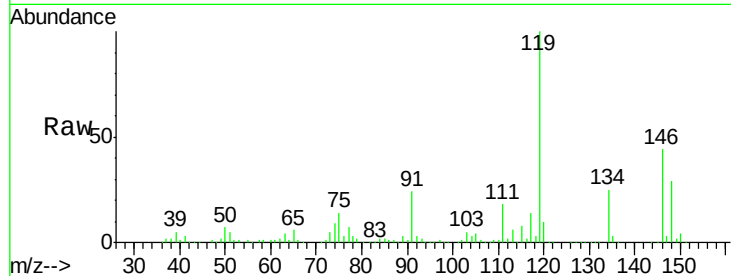
#87
 1,3-Dichlorobenzene
 Concen: 49.848 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.3
148	63.7	31.9	95.9

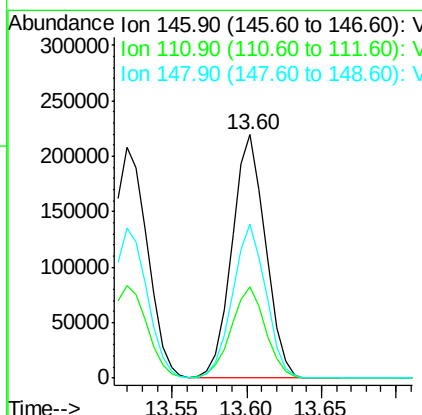
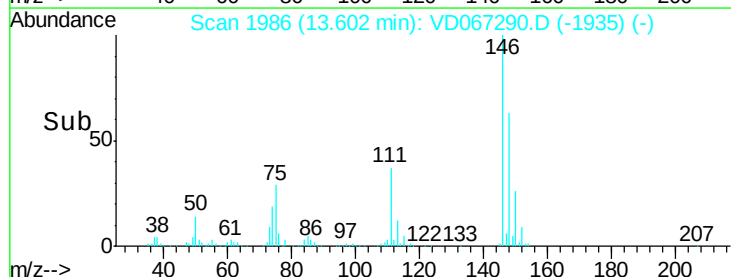
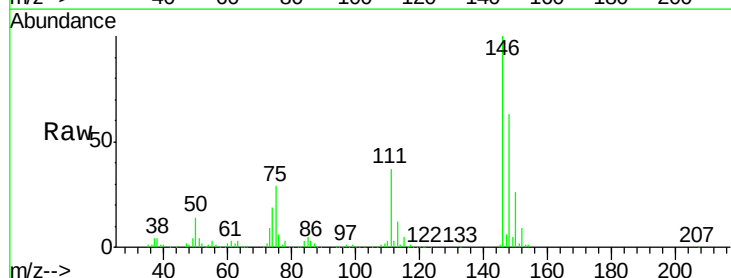
Manual Integrations
 APPROVED

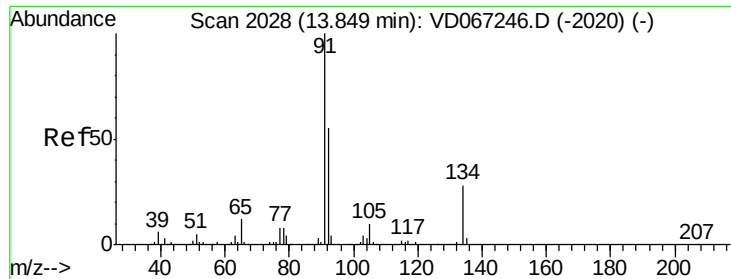
MMDadoda
 10/19/2020 11:09:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.681 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.7
148	62.7	31.9	95.9





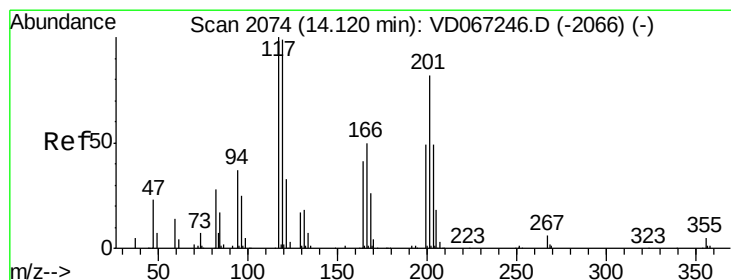
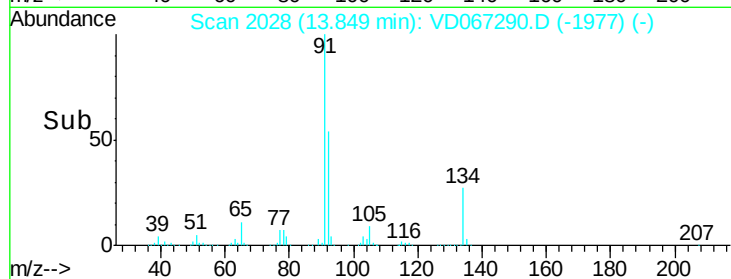
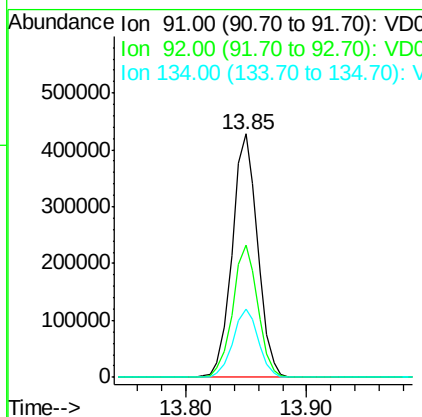
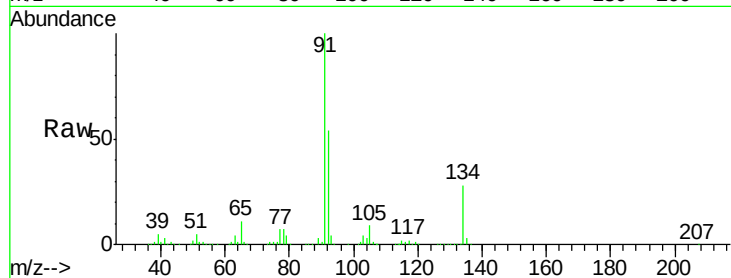
#89
n-Butylbenzene
Concen: 52.480 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	28.1	14.2	42.6

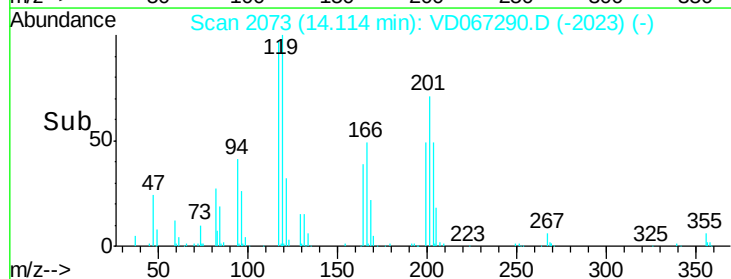
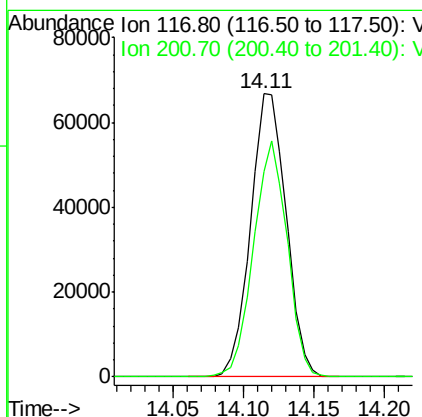
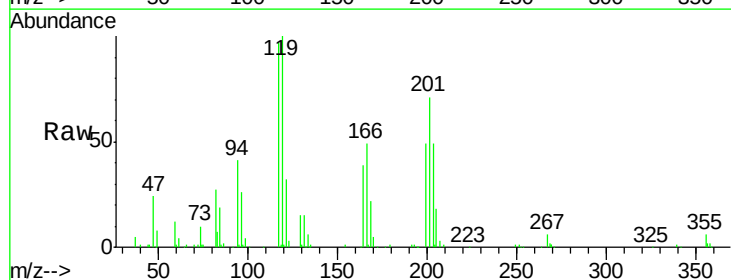
Manual Integrations
APPROVED

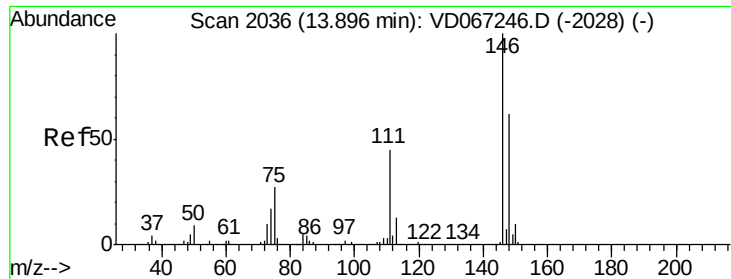
MMDadoda
10/19/2020 11:09:25 AM



#90
Hexachloroethane
Concen: 50.082 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	40.8	122.2





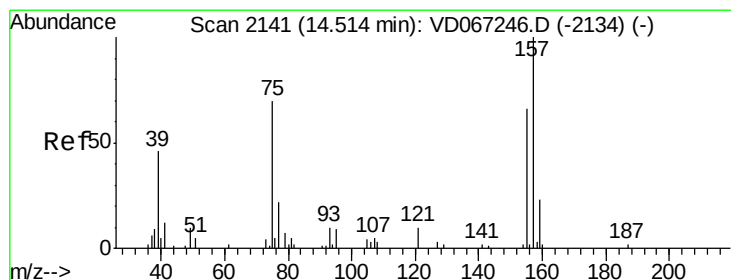
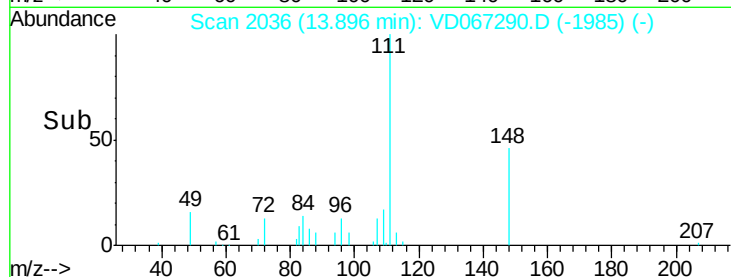
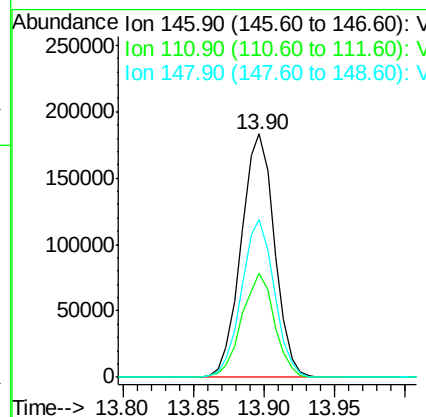
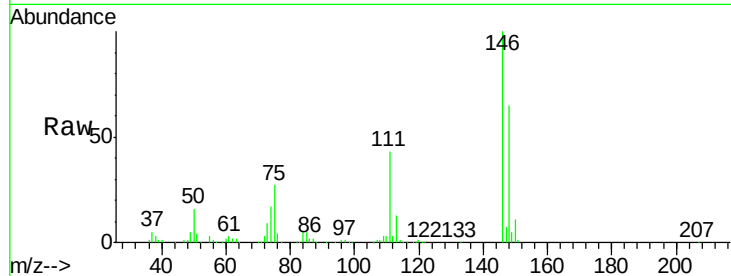
#91
 1,2-Dichlorobenzene
 Concen: 50.692 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.0	66.0
148	63.8	32.5	97.5

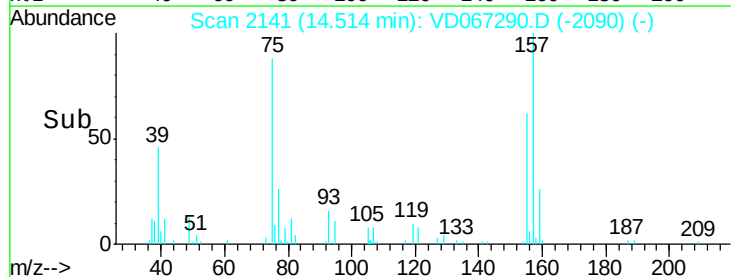
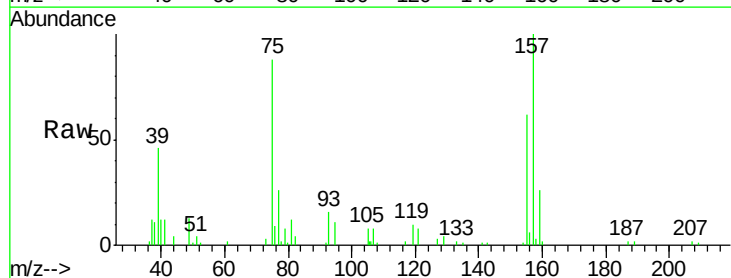
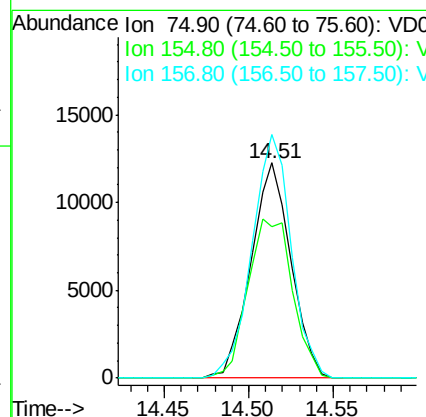
Manual Integrations
 APPROVED

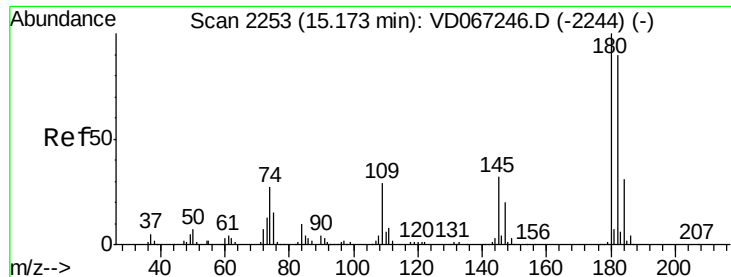
MMDadoda
 10/19/2020 11:09:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.821 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	44.8	134.4
157	111.1	62.5	187.4





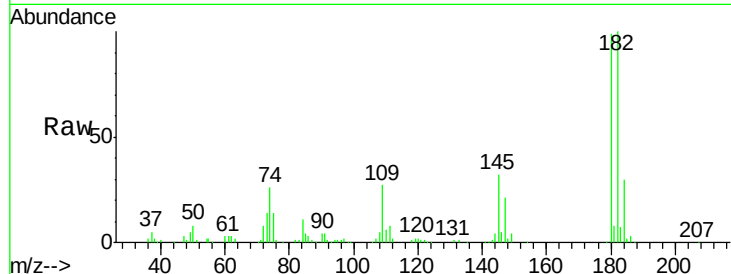
#93
 1,2,4-Trichlorobenzene
 Concen: 50.424 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

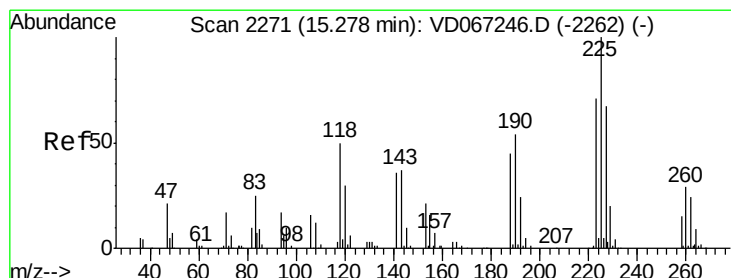
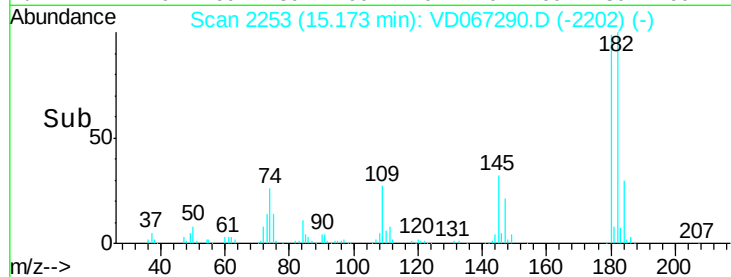
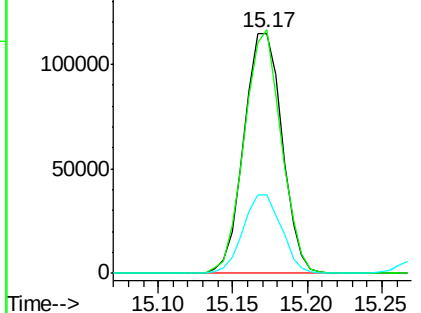
Tot Ion:	180	Resp:	203221
Ion Ratio	Lower	Upper	
180	100		
182	98.1	48.1	144.4
145	32.7	16.3	48.9

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:25 AM

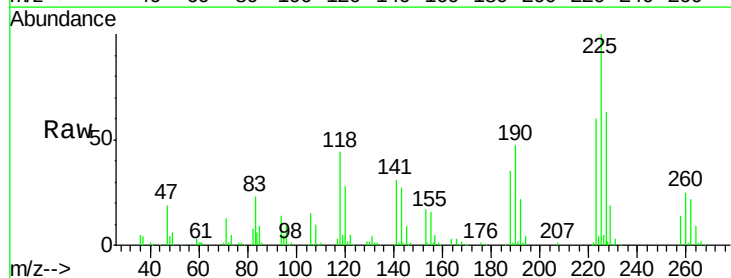


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

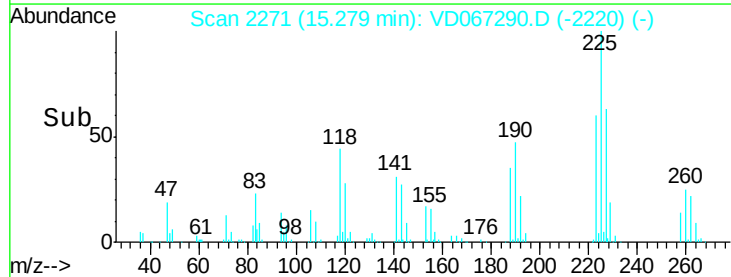
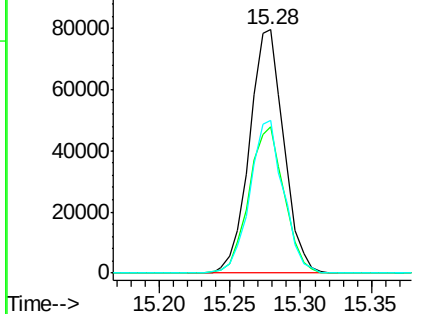


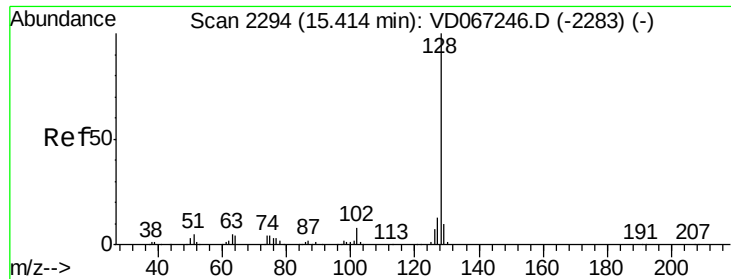
#94
 Hexachlorobutadiene
 Concen: 54.408 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067290.D
 Acq: 16 Oct 2020 10:46

Tgt Ion:	225	Resp:	136167
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.9	95.7
227	61.2	31.2	93.6



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





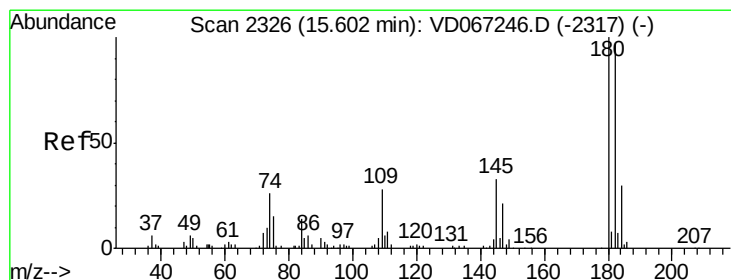
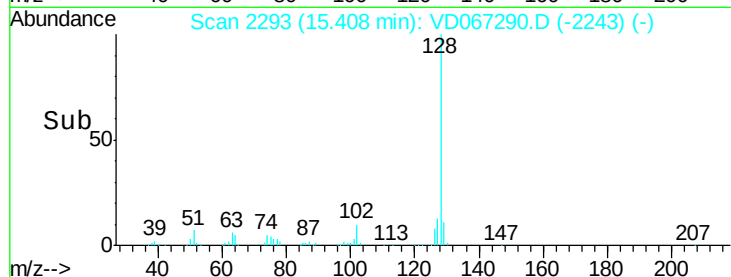
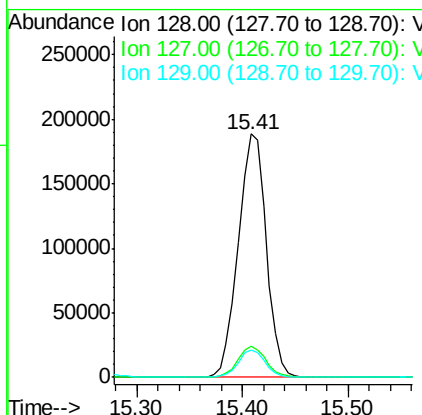
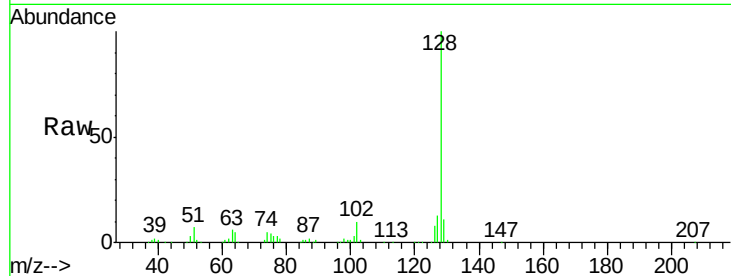
#95
Naphthalene
Concen: 52.336 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.153 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067290.D
Acq: 16 Oct 2020 10:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.3
145	34.1	17.3	51.9

