

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066148.D
 Acq On : 07 Aug 2020 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/10/2020 12:24:08 PM

Quant Time: Aug 08 01:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	326485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	464727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	417162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211813	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	148388	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.91	113	152340	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.34	98	591596	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
62) 4-Bromofluorobenzene	12.64	95	202463	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	120461	41.878	ug/l	99
3) Chloromethane	2.20	50	99570	44.499	ug/l	99
4) Vinyl Chloride	2.35	62	95646	48.282	ug/l	97
5) Bromomethane	2.77	94	66652	50.713	ug/l	85
6) Chloroethane	2.92	64	59292	48.760	ug/l	94
7) Trichlorofluoromethane	3.27	101	230493	44.630	ug/l	98
8) Diethyl Ether	3.70	74	62716	43.037	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	143401	46.786	ug/l	97
10) Methyl Iodide	4.30	142	142151	50.816	ug/l	98
11) Tert butyl alcohol	5.21	59	42036	183.106	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	133880	46.303	ug/l	96
13) Acrolein	3.92	56	46096	198.820	ug/l	100
14) Allyl chloride	4.71	41	201954	46.104	ug/l	100
15) Acrylonitrile	5.42	53	138570	225.656	ug/l	98
16) Acetone	4.16	43	166899	301.986	ug/l	97
17) Carbon Disulfide	4.40	76	413931	45.025	ug/l	100
18) Methyl Acetate	4.71	43	58187	41.450	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	291035	43.915	ug/l	94
20) Methylene Chloride	4.97	84	157286	49.509	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	150644	45.354	ug/l	97
22) Diisopropyl ether	6.36	45	406785	46.961	ug/l	96
23) Vinyl Acetate	6.30	43	1180672	232.658	ug/l	99
24) 1,1-Dichloroethane	6.26	63	251756	46.963	ug/l	97
25) 2-Butanone	7.21	43	187376	230.510	ug/l	97
26) 2,2-Dichloropropane	7.20	77	227277	47.303	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	160152	45.969	ug/l	99
28) Bromochloromethane	7.54	49	94393	50.133	ug/l	95
29) Tetrahydrofuran	7.56	42	110683	219.771	ug/l	98
30) Chloroform	7.71	83	261759	46.502	ug/l	98
31) Cyclohexane	7.97	56	222543	43.611	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	245073	46.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	207685	47.558	ug/l	98
37) Ethyl Acetate	7.29	43	81487	47.095	ug/l	94
38) Carbon Tetrachloride	8.09	117	230564	47.345	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066148.D
 Acq On : 07 Aug 2020 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/10/2020 12:24:08 PM

Quant Time: Aug 08 01:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	254482	48.206	ug/l	99
40) Benzene	8.34	78	578367	47.742	ug/l	100
41) Methacrylonitrile	7.54	41	59550m	58.534	ug/l	
42) 1,2-Dichloroethane	8.42	62	163941	46.065	ug/l	100
43) Isopropyl Acetate	8.45	43	153249	44.952	ug/l	99
44) Trichloroethene	9.11	130	171891	47.087	ug/l	100
45) 1,2-Dichloropropane	9.38	63	139338	47.028	ug/l	98
46) Dibromomethane	9.47	93	76619	46.947	ug/l	97
47) Bromodichloromethane	9.66	83	200778	46.547	ug/l	97
48) Methyl methacrylate	9.46	41	77389	44.457	ug/l	94
49) 1,4-Dioxane	9.46	88	16920	806.964	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	395271	225.722	ug/l	100
52) Toluene	10.40	92	382721	48.011	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	190919	46.640	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	227455	47.425	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	103884	44.205	ug/l	96
56) Ethyl methacrylate	10.66	69	129160	45.751	ug/l	99
57) 1,3-Dichloropropane	10.94	76	180254	46.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	328005	258.300	ug/l	99
59) 2-Hexanone	10.98	43	297514	242.082	ug/l	97
60) Dibromochloromethane	11.14	129	142184	43.824	ug/l	98
61) 1,2-Dibromoethane	11.24	107	103212	45.668	ug/l	99
64) Tetrachloroethene	10.87	164	148730	46.430	ug/l	97
65) Chlorobenzene	11.67	112	406672	48.022	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	153559	46.344	ug/l	99
67) Ethyl Benzene	11.74	91	723502	49.301	ug/l	96
68) m/p-Xylenes	11.86	106	549396	96.627	ug/l	96
69) o-Xylene	12.18	106	251114	48.551	ug/l	99
70) Styrene	12.20	104	443646	48.944	ug/l	100
71) Bromoform	12.36	173	88812	45.239	ug/l	100
73) Isopropylbenzene	12.48	105	707874	50.065	ug/l	99
74) N-amyl acetate	12.29	43	145498	46.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	110397	45.790	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	83201m	47.103	ug/l	
77) Bromobenzene	12.77	156	173903	47.780	ug/l	99
78) n-propylbenzene	12.83	91	824923	50.191	ug/l	100
79) 2-Chlorotoluene	12.91	91	456935	48.610	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	590047	49.900	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	39002	48.810	ug/l	100
82) 4-Chlorotoluene	13.01	91	490567	49.437	ug/l	99
83) tert-Butylbenzene	13.23	119	523844	50.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	587182	49.620	ug/l	100
85) sec-Butylbenzene	13.41	105	714869	50.917	ug/l	100
86) p-Isopropyltoluene	13.52	119	657636	49.941	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328052	47.957	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	325528	47.717	ug/l	100
89) n-Butylbenzene	13.85	91	612846	51.944	ug/l	99
90) Hexachloroethane	14.12	117	128491	48.925	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	286537	47.364	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18112	43.710	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
Data File : VD066148.D
Acq On : 07 Aug 2020 10:05
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

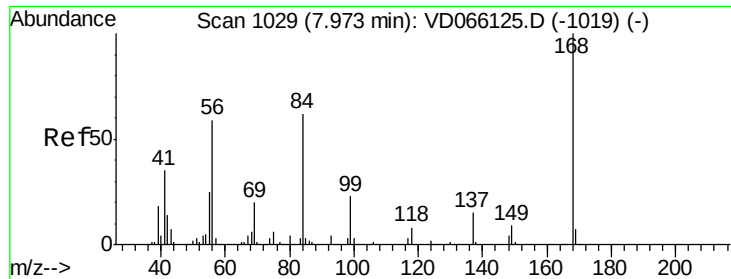
Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM

Quant Time: Aug 08 01:36:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213828	47.962	ug/l	99
94) Hexachlorobutadiene	15.28	225	129333	49.264	ug/l	99
95) Naphthalene	15.41	128	341362	46.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	182357	46.335	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 326485

Ion Ratio Lower Upper

168 100

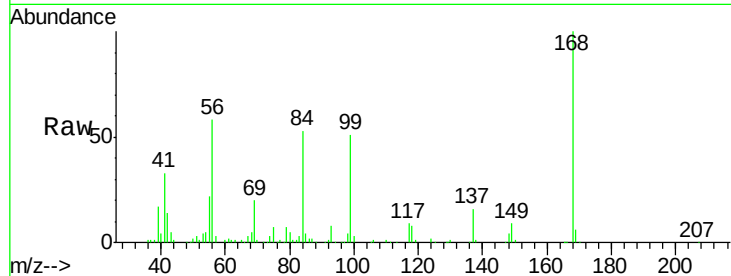
99 50.4 42.2 63.4

Manual Integrations

APPROVED

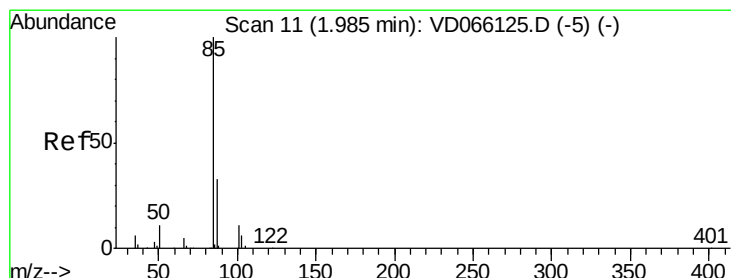
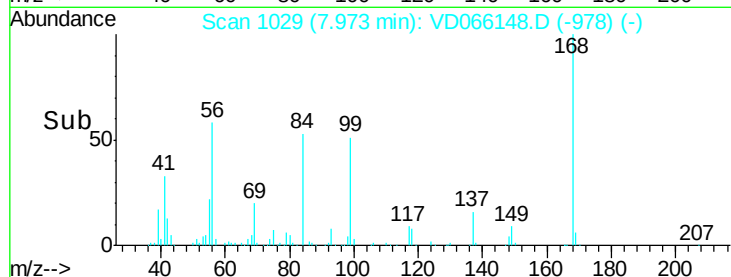
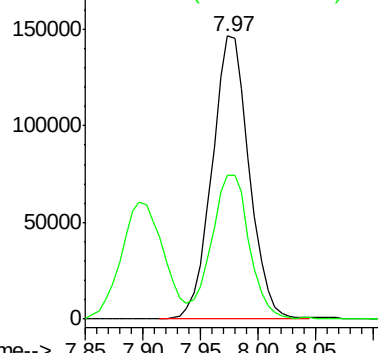
MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.878 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066148.D

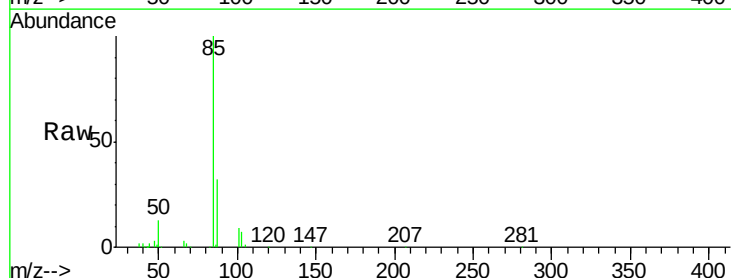
Acq: 07 Aug 2020 10:05

Tgt Ion: 85 Resp: 120461

Ion Ratio Lower Upper

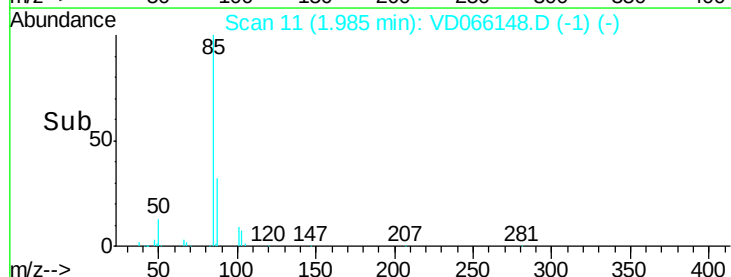
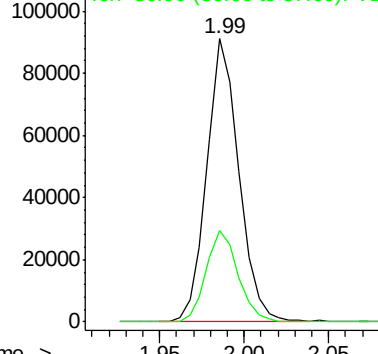
85 100

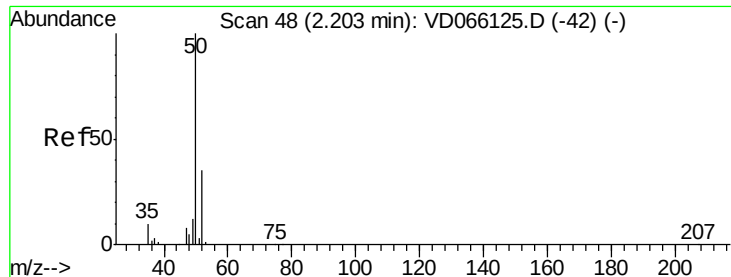
87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.499 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99570

Ion Ratio Lower Upper

50 100

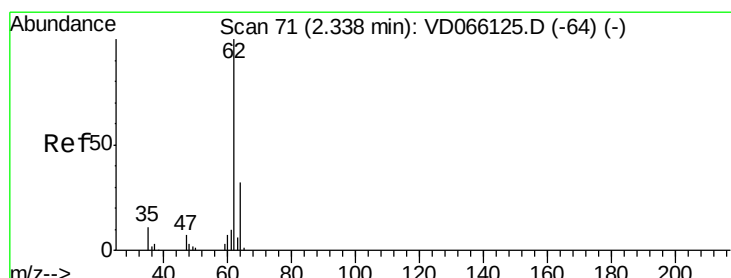
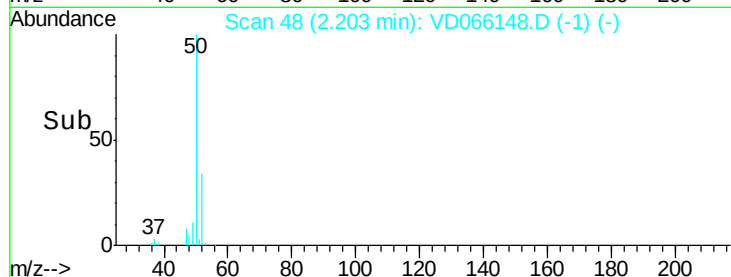
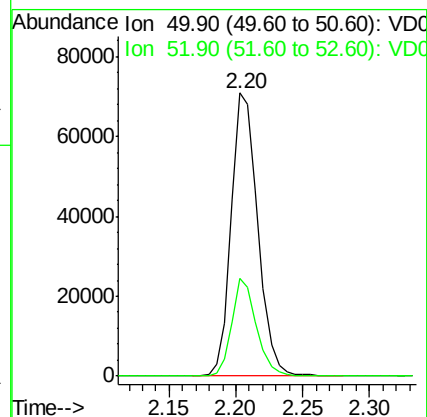
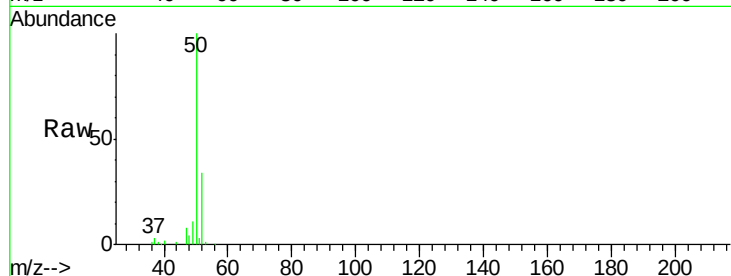
52 34.4 27.9 41.9

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



#4

Vinyl Chloride

Concen: 48.282 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066148.D

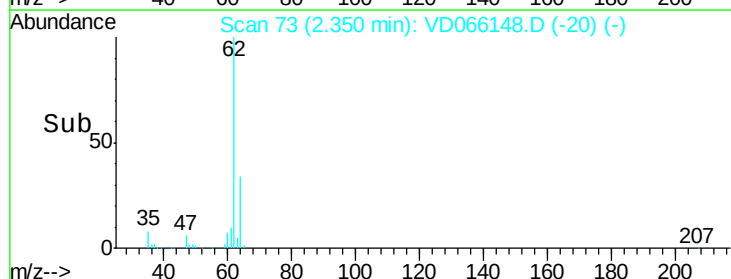
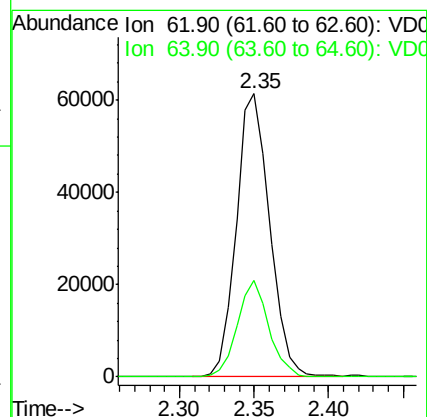
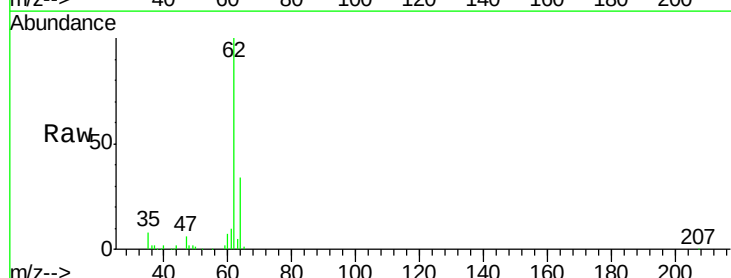
Acq: 07 Aug 2020 10:05

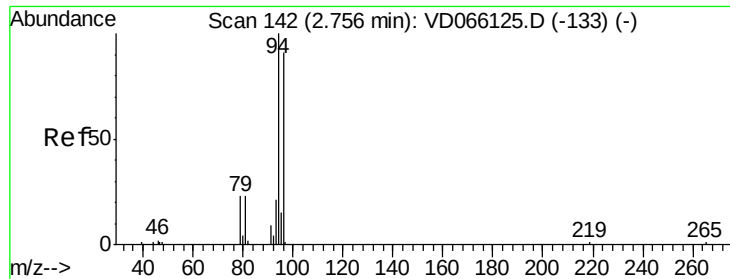
Tgt Ion: 62 Resp: 95646

Ion Ratio Lower Upper

62 100

64 34.2 25.8 38.8





#5

Bromomethane

Concen: 50.713 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66652

Ion Ratio Lower Upper

94 100

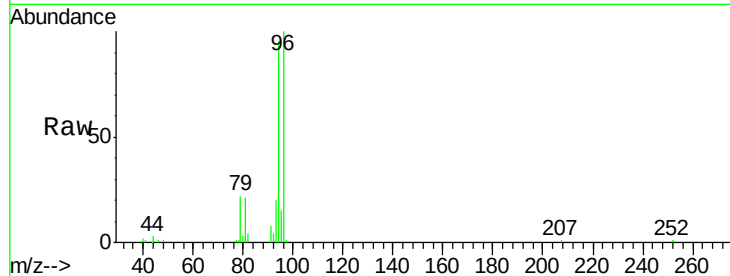
96 104.8 72.6 109.0

Manual Integrations

APPROVED

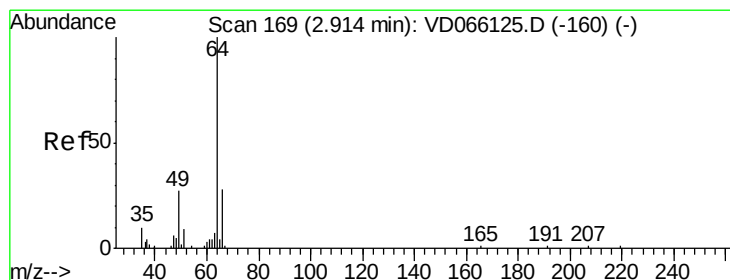
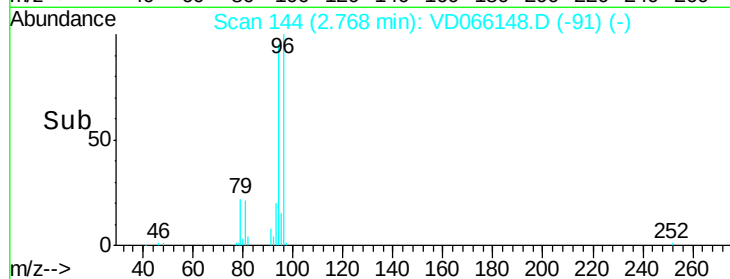
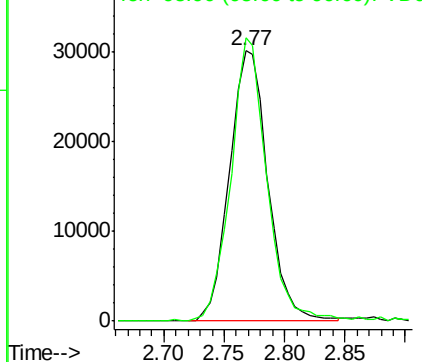
MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.760 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066148.D

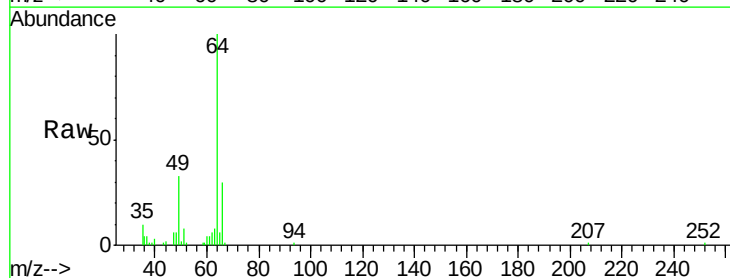
Acq: 07 Aug 2020 10:05

Tgt Ion: 64 Resp: 59292

Ion Ratio Lower Upper

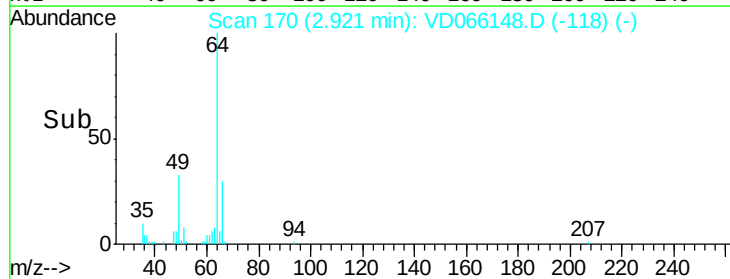
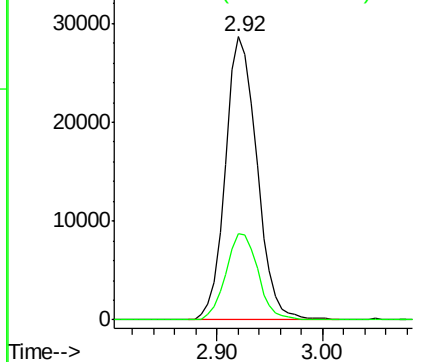
64 100

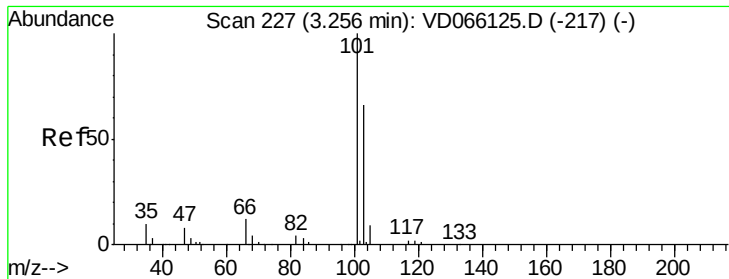
66 30.5 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

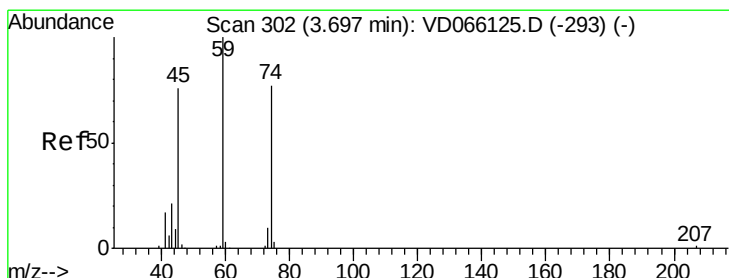
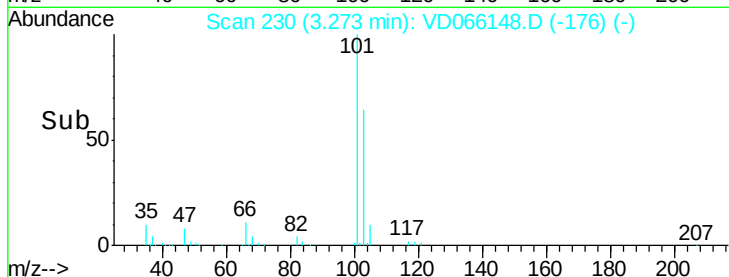
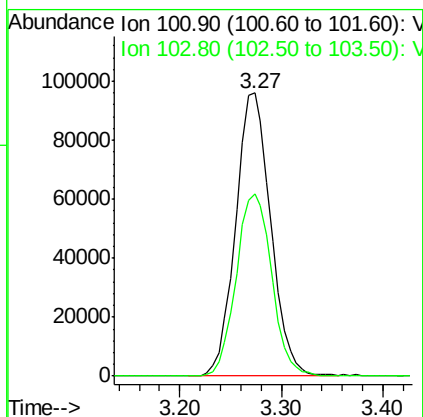
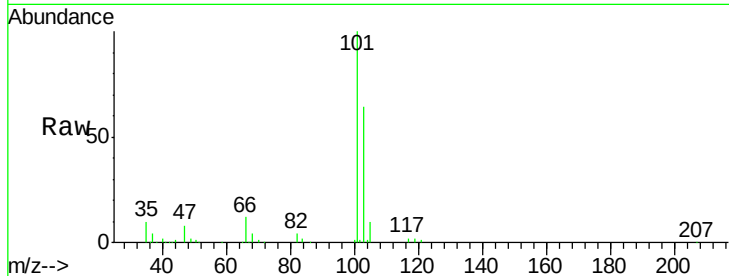
Trichlorofluoromethane
Concen: 44.630 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	230493		
103	64.5	53.0	79.6	

Manual Integrations
APPROVED

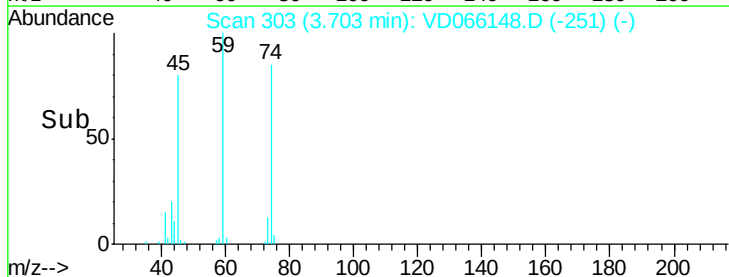
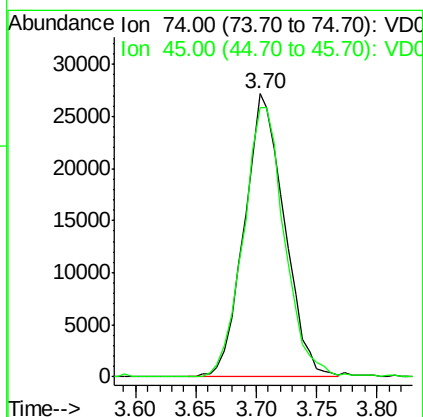
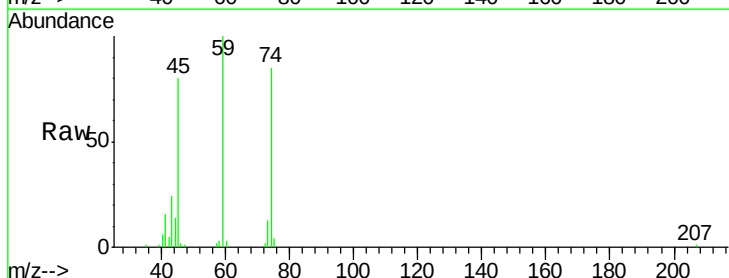
MMDadoda
8/10/2020 12:24:08 PM

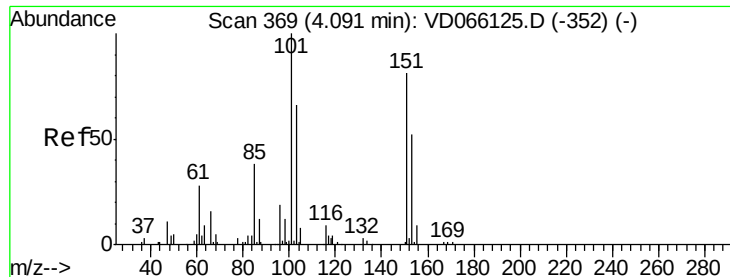


#8

Diethyl Ether
Concen: 43.037 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62716		
45	98.0	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.786 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

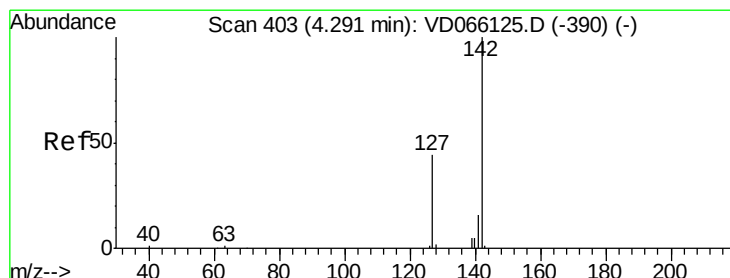
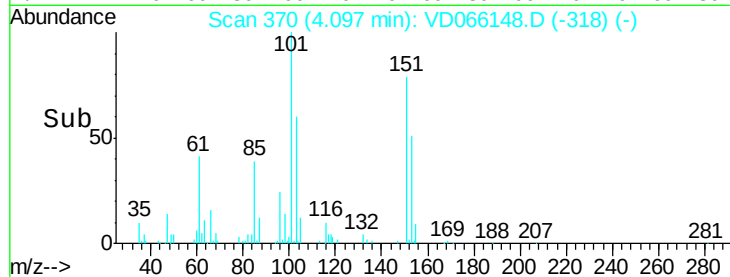
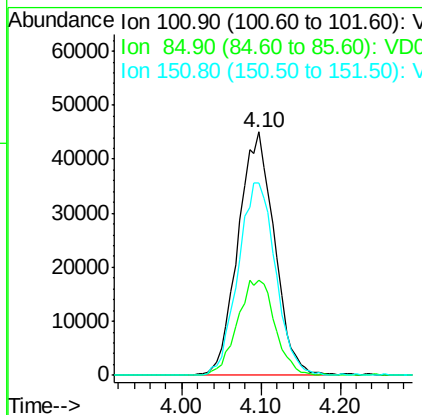
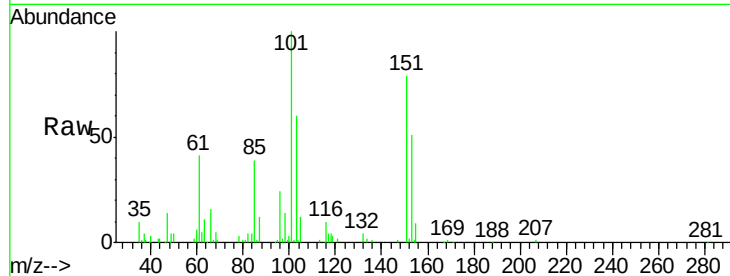
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143401
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.5	50.3
151	81.6	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#10

Methyl Iodide

Concen: 50.816 ug/l

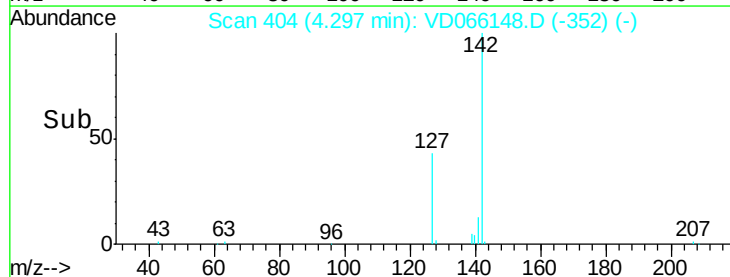
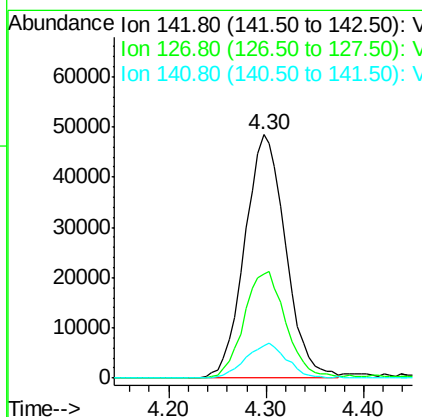
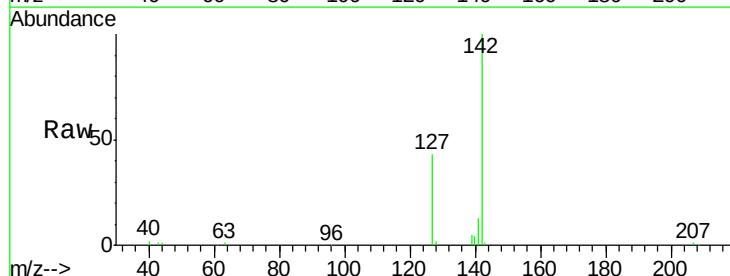
RT: 4.30 min Scan# 404

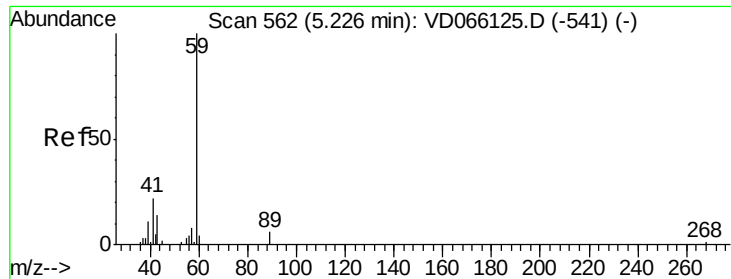
Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion:	142	Resp:	142151
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.2	54.4
141	14.3	12.6	18.8





#11

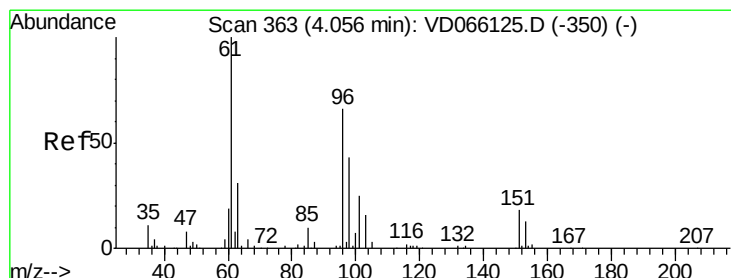
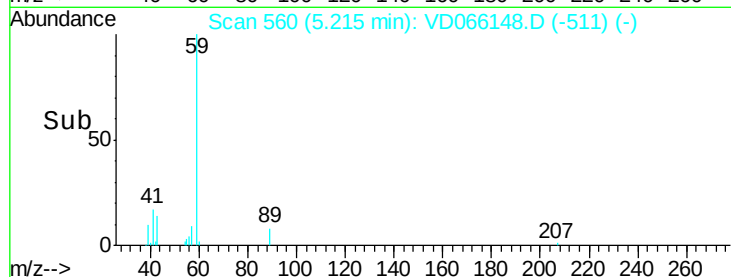
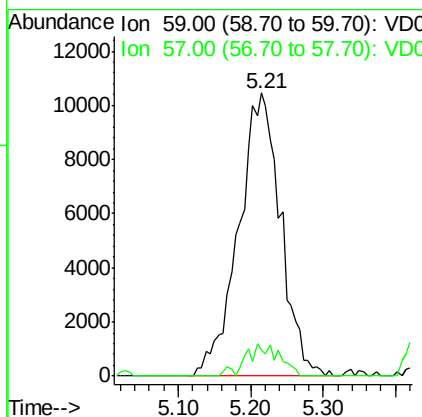
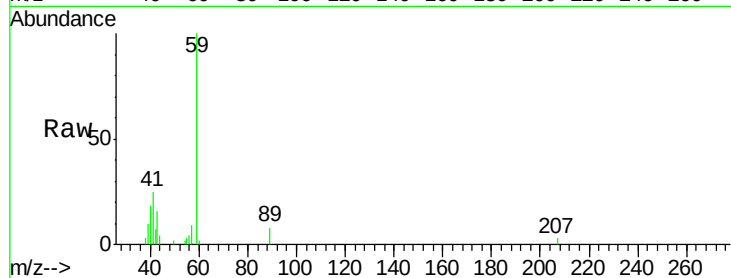
Tert butyl alcohol
 Concen: 183.106 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	7.0	10.4#

Manual Integrations
 APPROVED

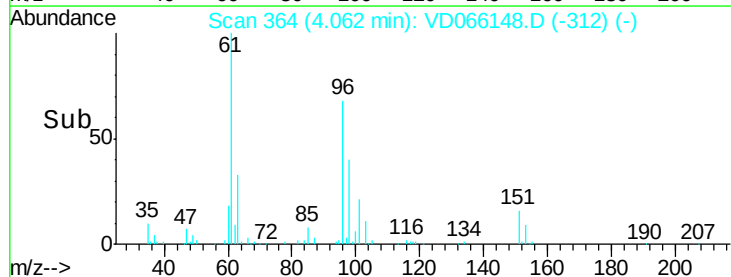
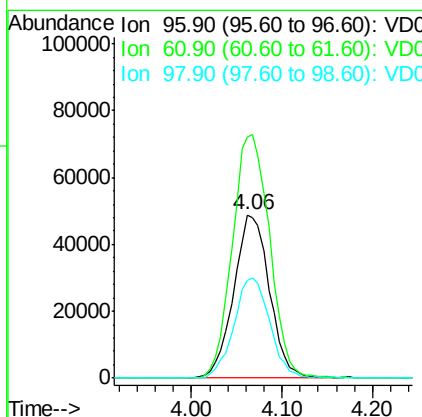
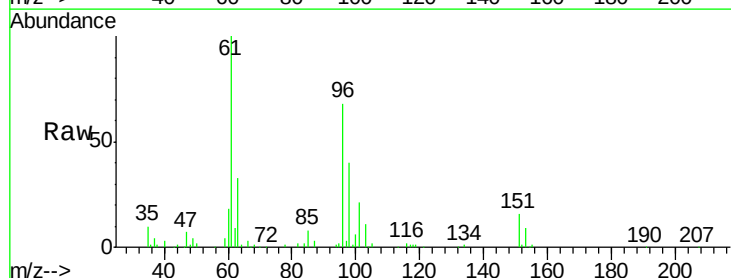
MMDadoda
 8/10/2020 12:24:08 PM

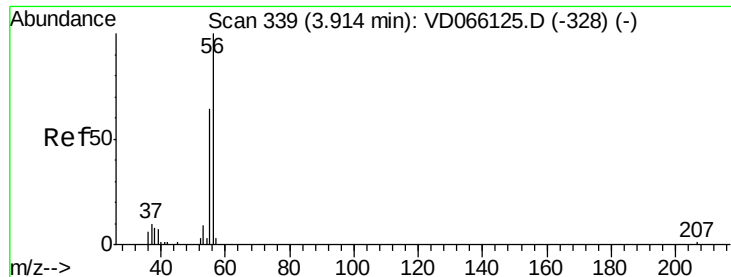


#12

1,1-Dichloroethene
 Concen: 46.303 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	121.6	182.4
98	59.9	52.0	78.0





#13

Acrolein

Concen: 198.820 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46096

Ion Ratio Lower Upper

56 100

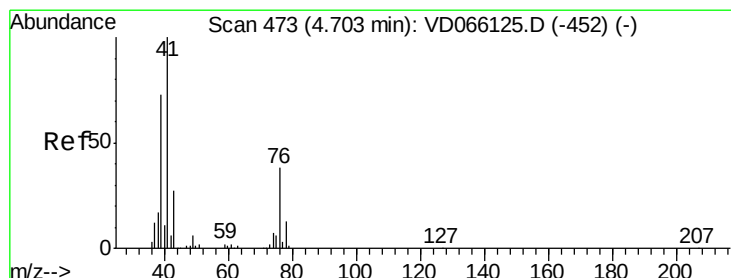
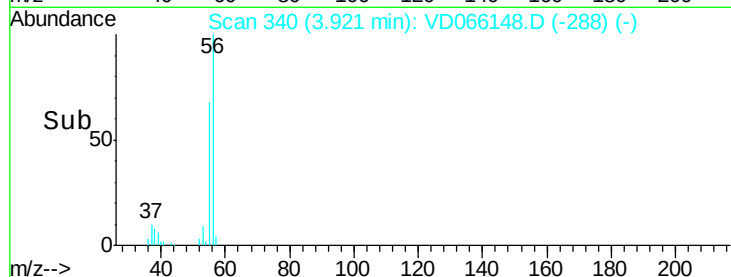
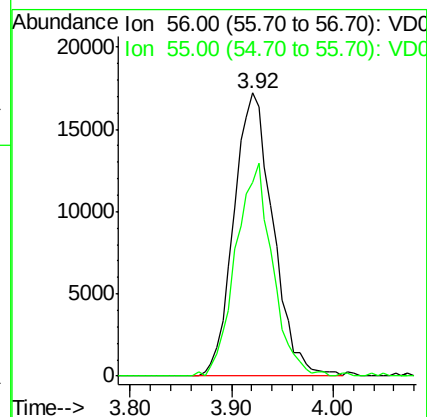
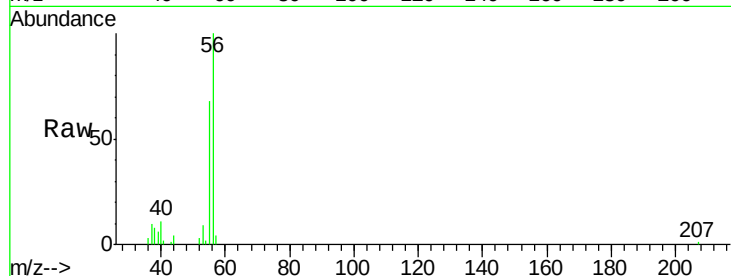
55 70.5 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



#14

Allyl chloride

Concen: 46.104 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

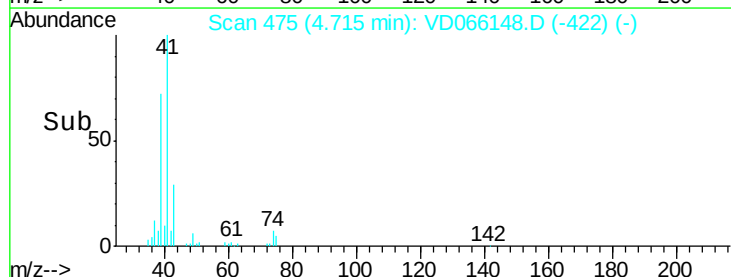
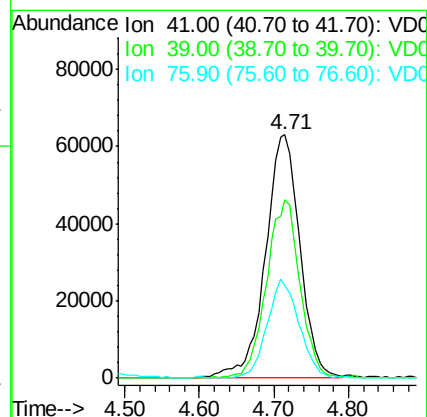
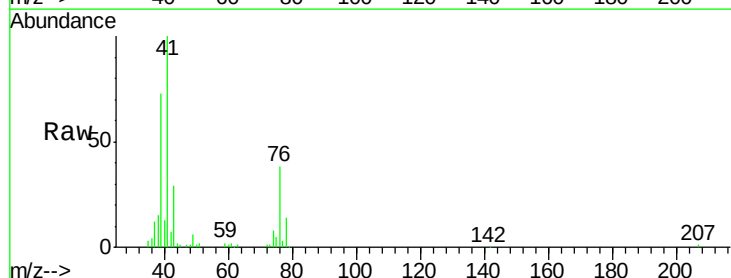
Tgt Ion: 41 Resp: 201954

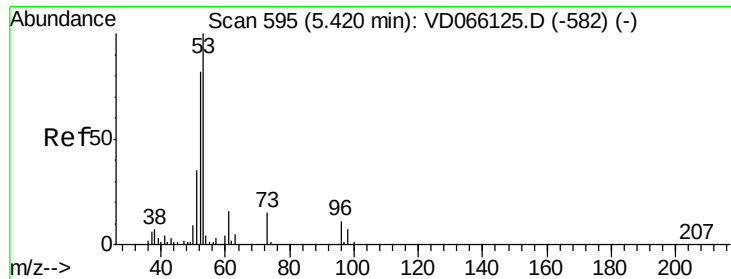
Ion Ratio Lower Upper

41 100

39 71.3 57.4 86.0

76 37.9 30.1 45.1





#15

Acrylonitrile

Concen: 225.656 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

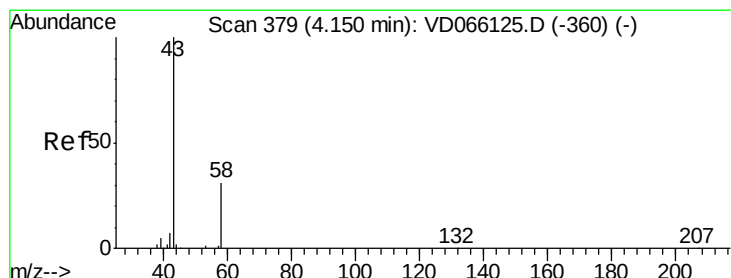
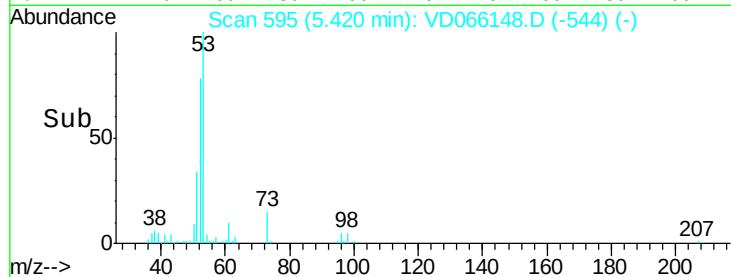
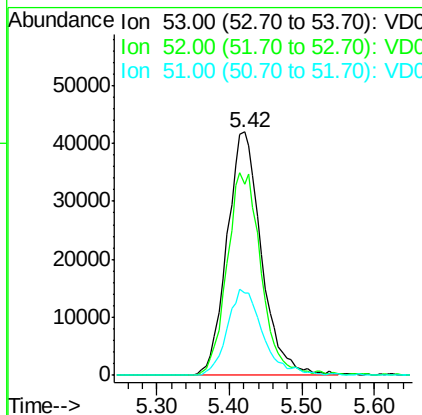
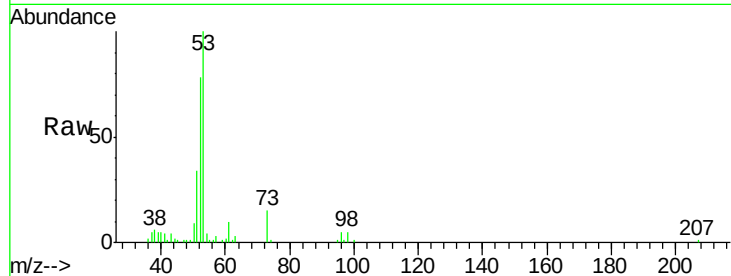
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	138570
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.1	99.1
51	36.2	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#16

Acetone

Concen: 301.986 ug/l

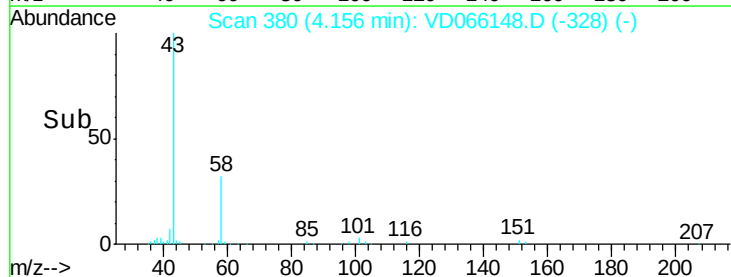
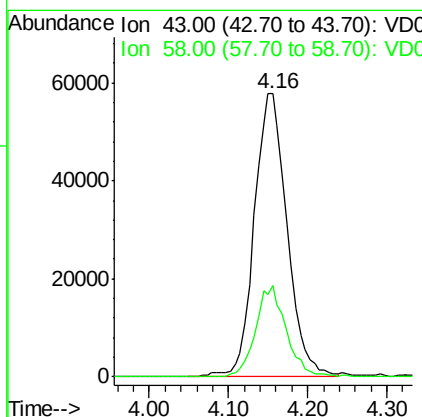
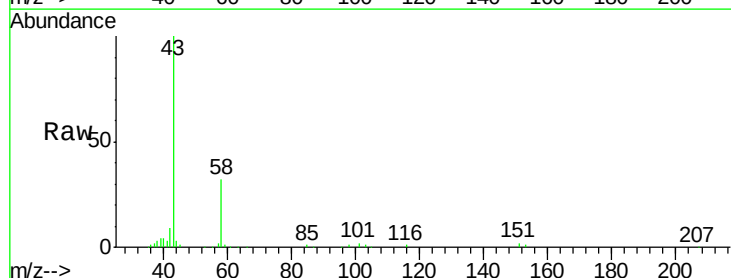
RT: 4.16 min Scan# 380

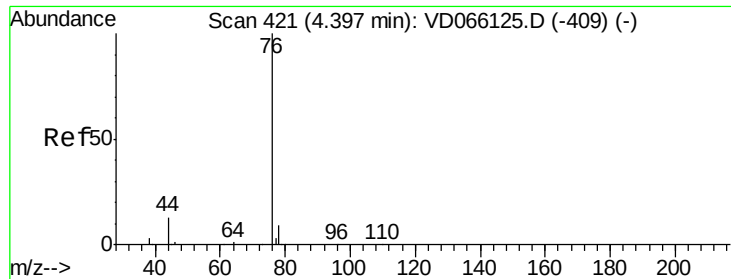
Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion:	43	Resp:	166899
Ion Ratio	Lower	Upper	
43	100		
58	32.3	24.7	37.1





#17

Carbon Disulfide

Concen: 45.025 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 413931

Ion Ratio Lower Upper

76 100

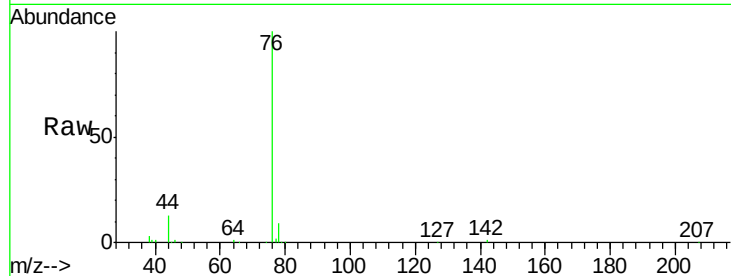
78 9.3 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

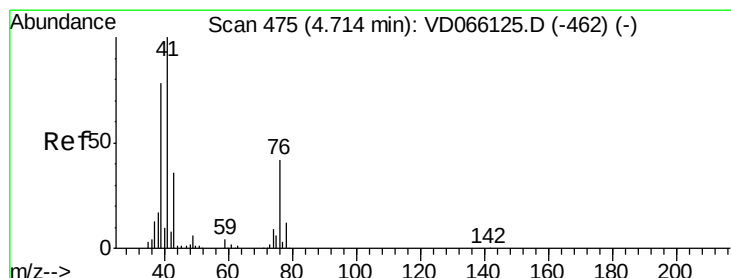
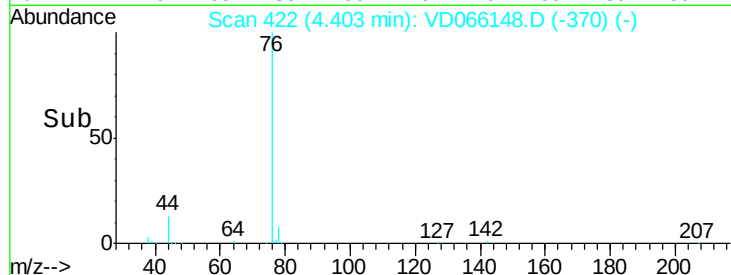
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.450 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066148.D

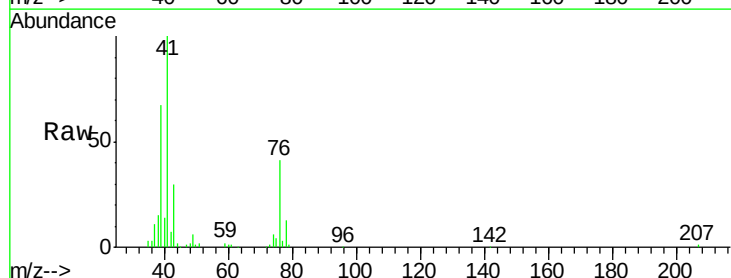
Acq: 07 Aug 2020 10:05

Tgt Ion: 43 Resp: 58187

Ion Ratio Lower Upper

43 100

74 23.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

20000

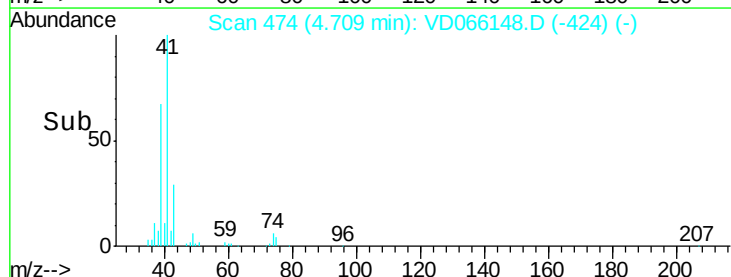
15000

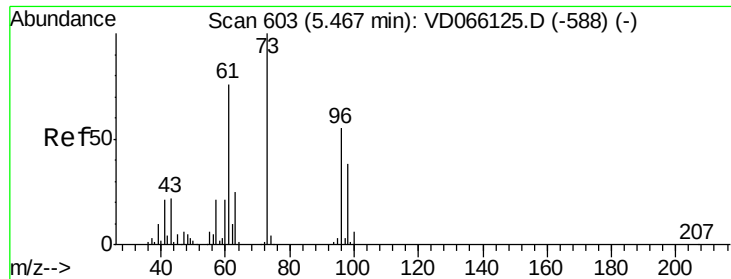
10000

5000

0

Time-->





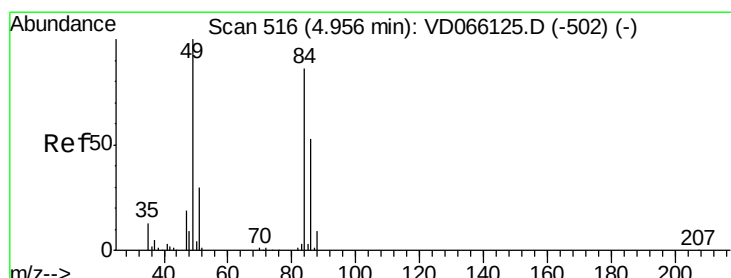
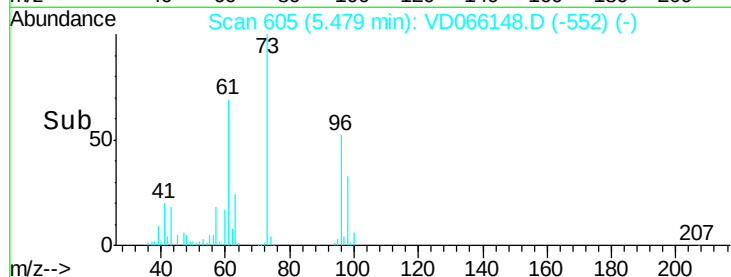
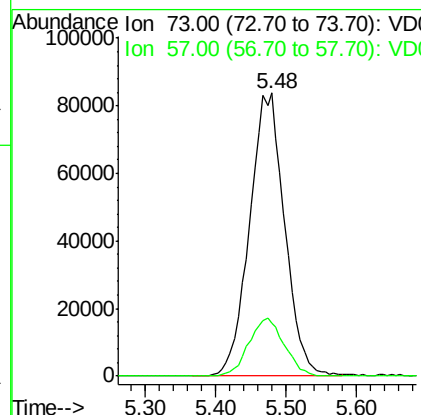
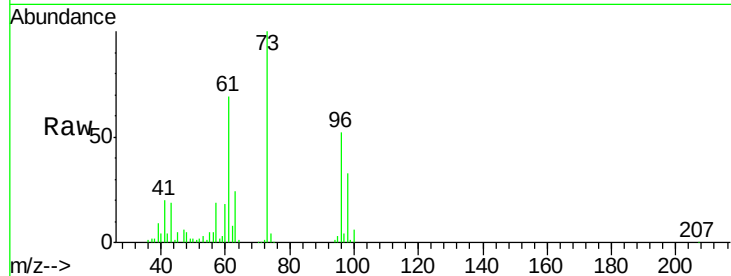
#19
Methyl tert-butyl Ether
Concen: 43.915 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 291035
Ion Ratio Lower Upper
73 100
57 18.8 17.1 25.7

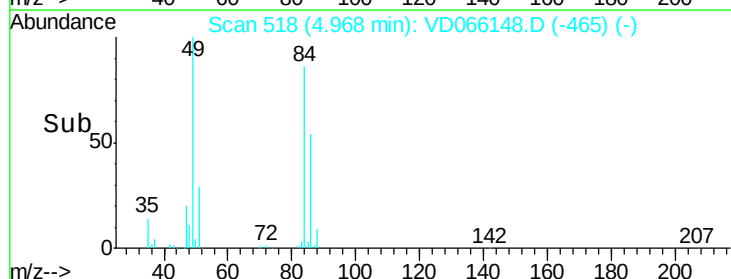
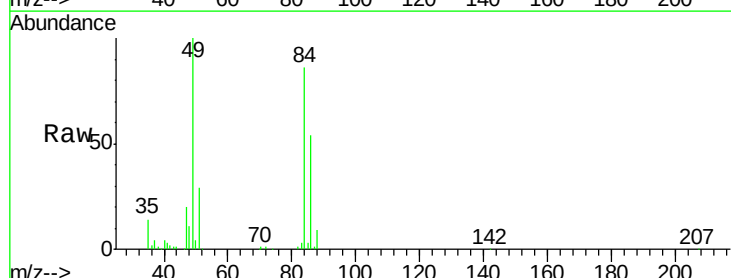
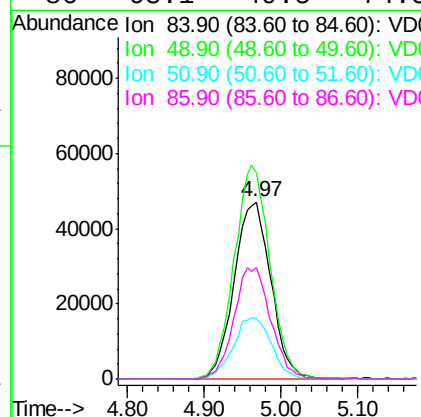
Manual Integrations
APPROVED

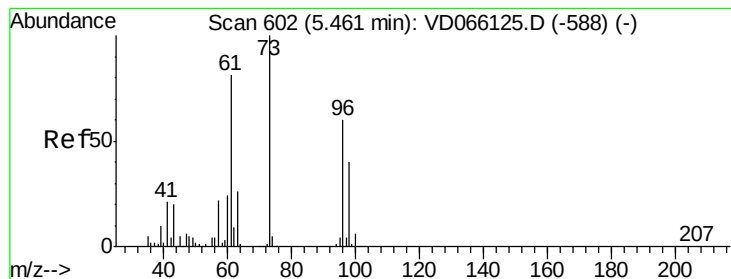
MMDadoda
8/10/2020 12:24:08 PM



#20
Methylene Chloride
Concen: 49.509 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 84 Resp: 157286
Ion Ratio Lower Upper
84 100
49 116.0 93.5 140.3
51 34.2 28.2 42.4
86 63.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.354 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

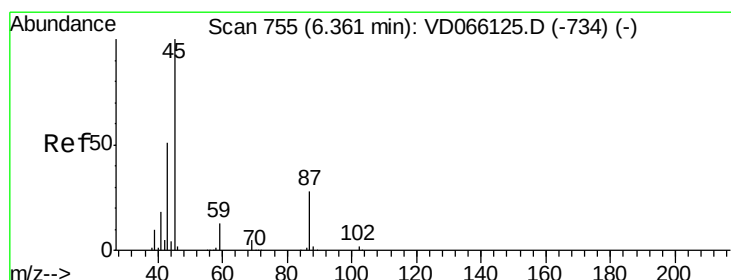
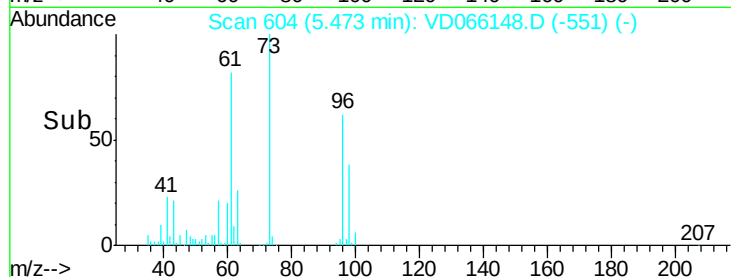
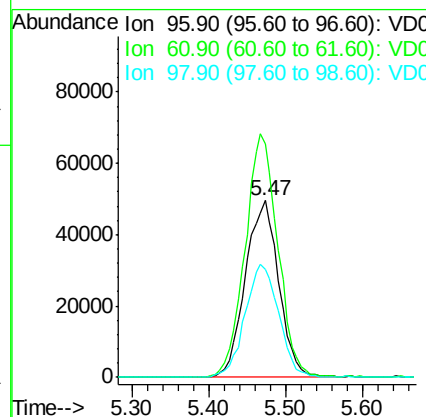
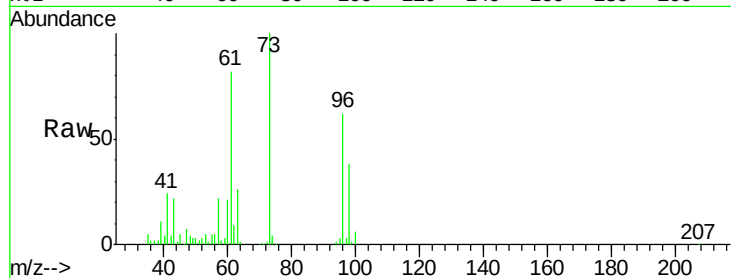
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	150644
Ion	Ratio	Lower	Upper
96	100		
61	131.9	106.9	160.3
98	61.3	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#22

Diisopropyl ether

Concen: 46.961 ug/l

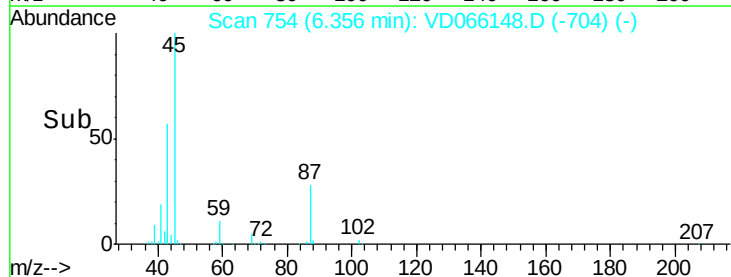
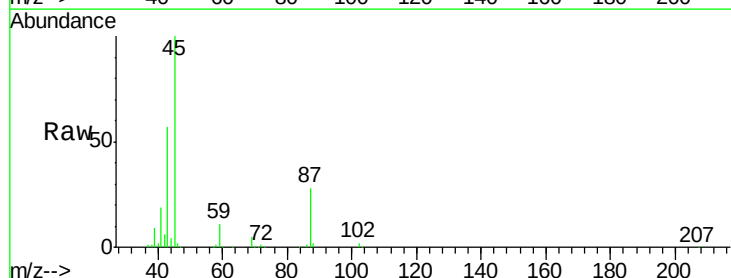
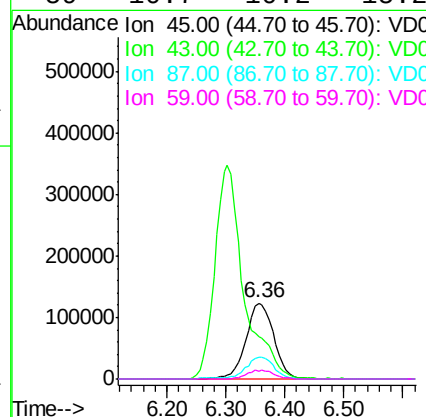
RT: 6.36 min Scan# 754

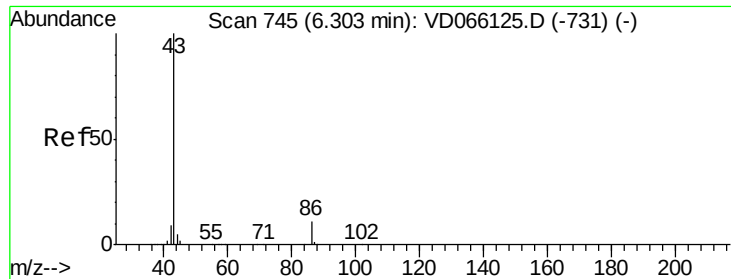
Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion:	45	Resp:	406785
Ion	Ratio	Lower	Upper
45	100		
43	55.7	41.2	61.8
87	28.1	22.8	34.2
59	10.7	10.2	15.2





#23

Vinyl Acetate

Concen: 232.658 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1180672

Ion Ratio Lower Upper

43 100

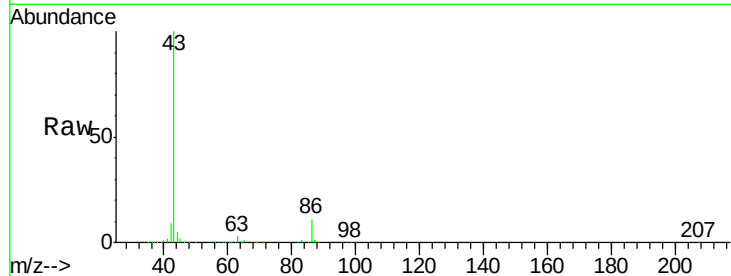
86 11.1 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

400000

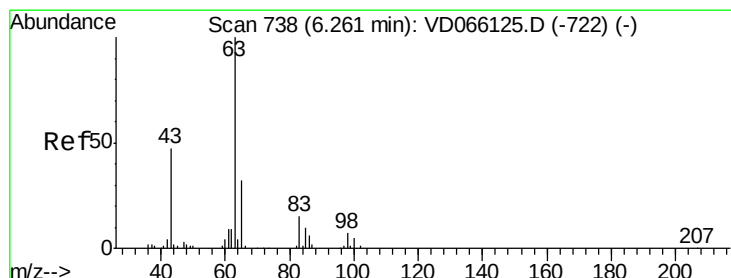
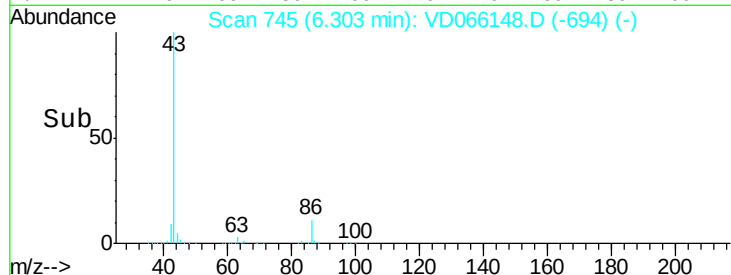
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.963 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

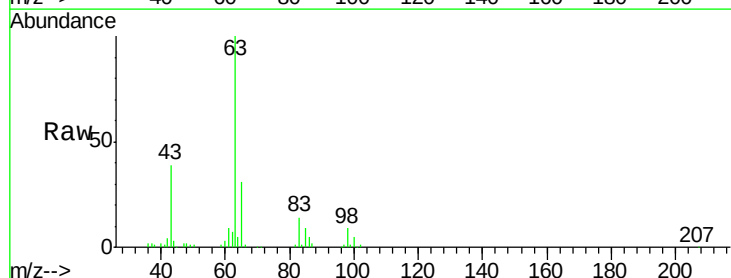
Tgt Ion: 63 Resp: 251756

Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

100000

80000

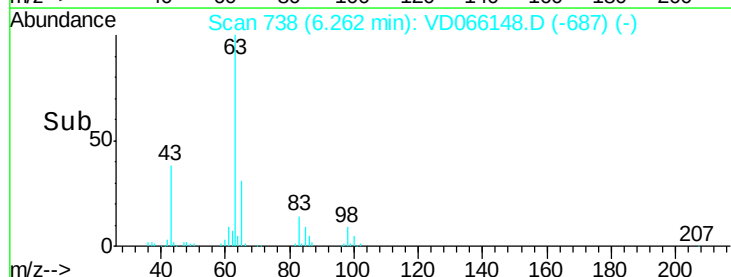
60000

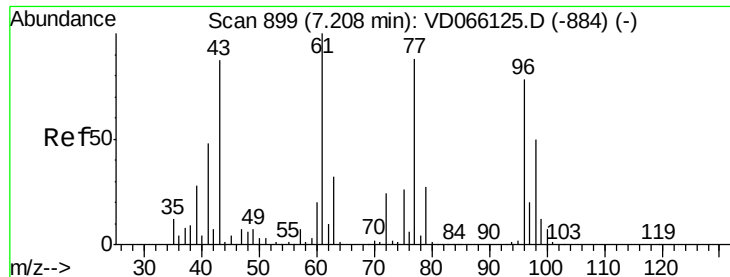
40000

20000

0

Time-->





#25

2-Butanone

Concen: 230.510 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 187376

Ion Ratio Lower Upper

43 100

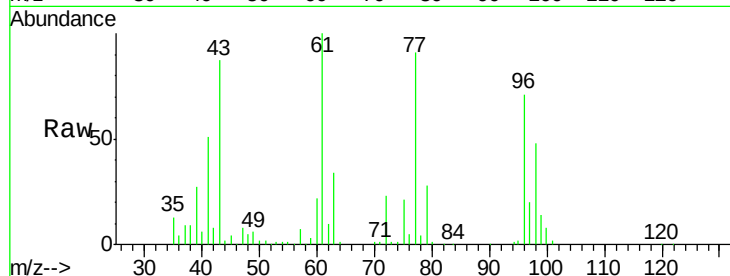
72 26.1 22.2 33.2

Manual Integrations

APPROVED

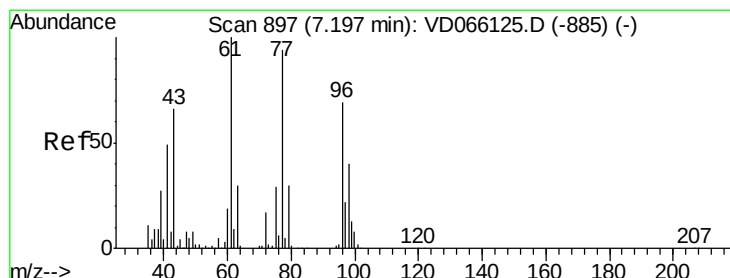
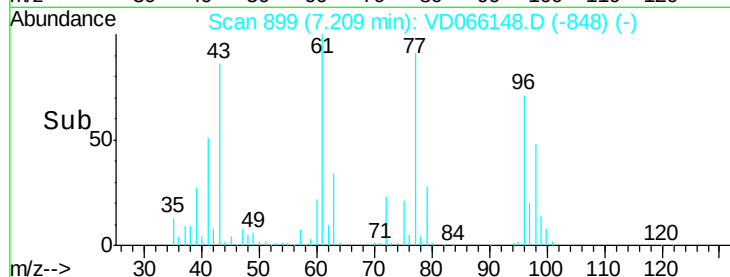
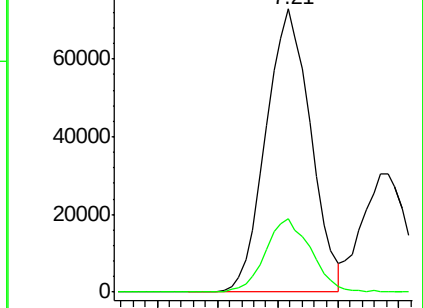
MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.303 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066148.D

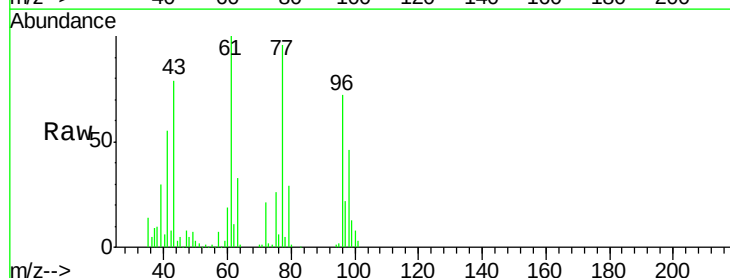
Acq: 07 Aug 2020 10:05

Tgt Ion: 77 Resp: 227277

Ion Ratio Lower Upper

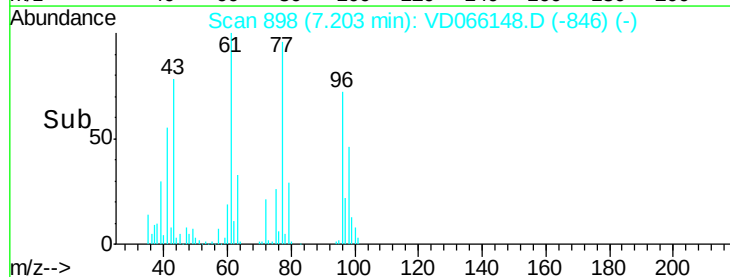
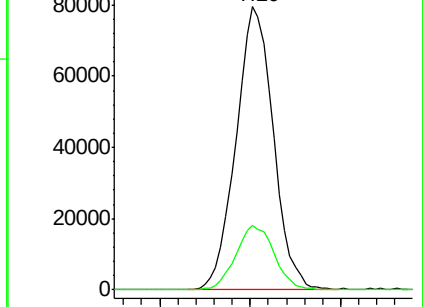
77 100

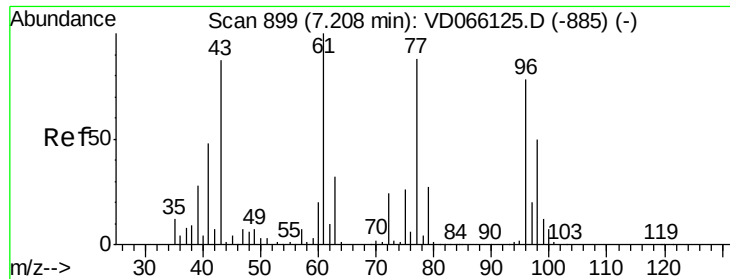
97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

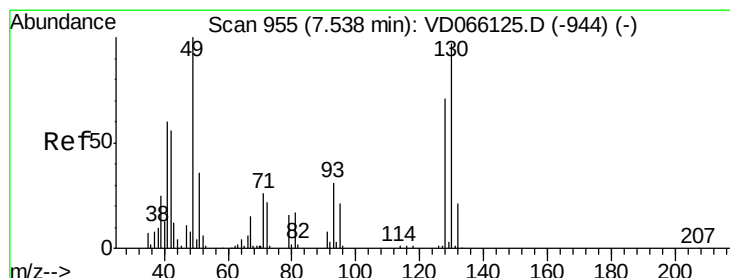
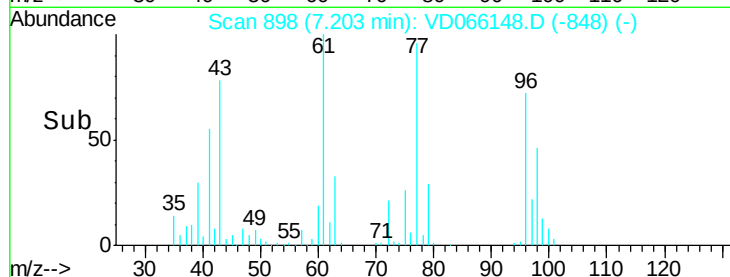
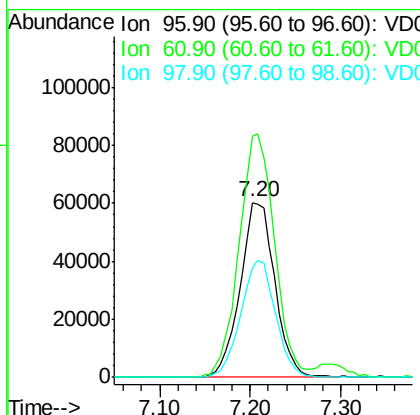
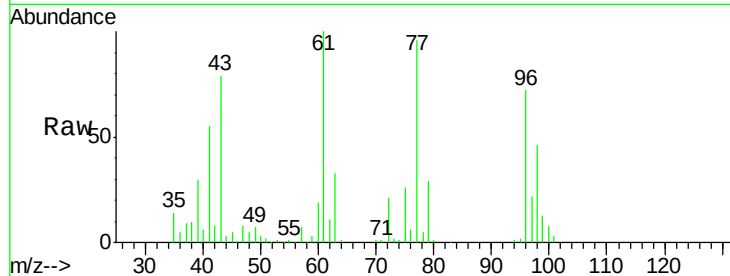
cis-1,2-Dichloroethene
Concen: 45.969 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160152		
61	142.2	0.0	281.6	
98	67.0	0.0	130.8	

Manual Integrations
APPROVED

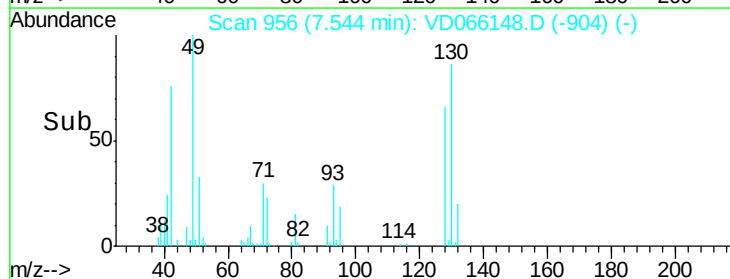
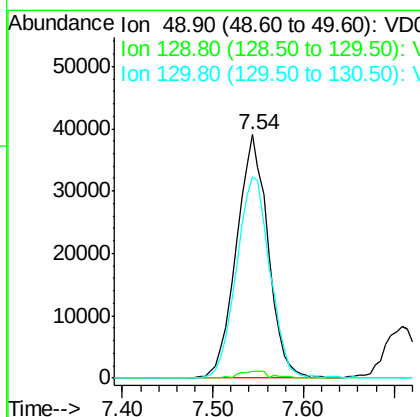
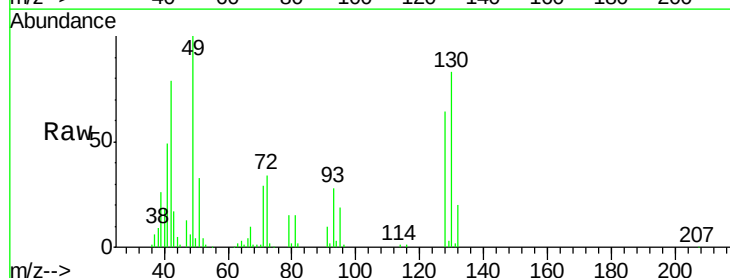
MMDadoda
8/10/2020 12:24:08 PM

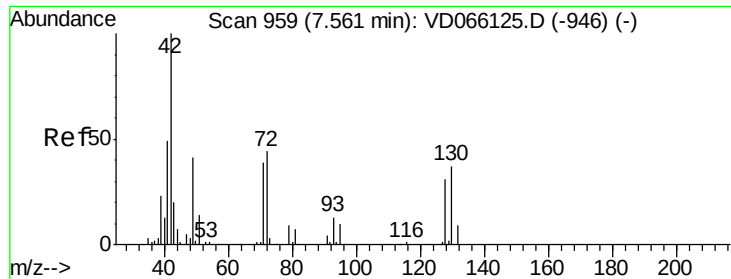


#28

Bromochloromethane
Concen: 50.133 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94393		
129	2.5	0.0	6.0	
130	87.5	73.8	110.6	





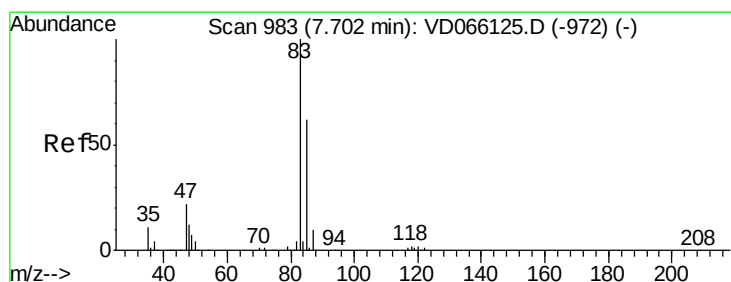
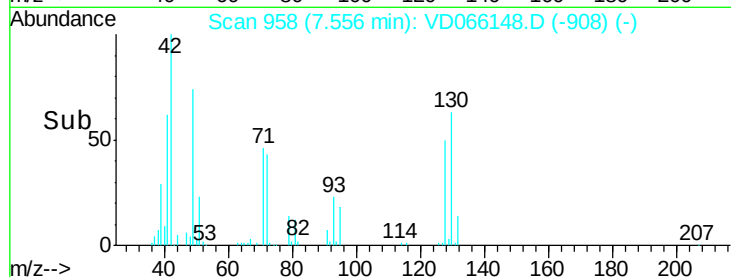
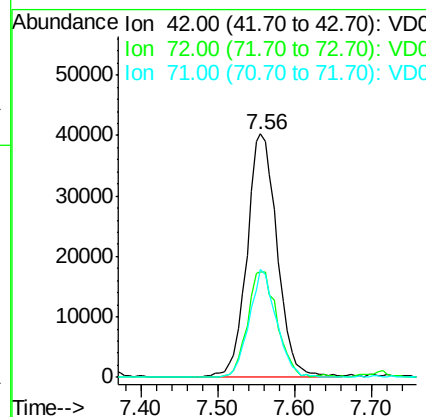
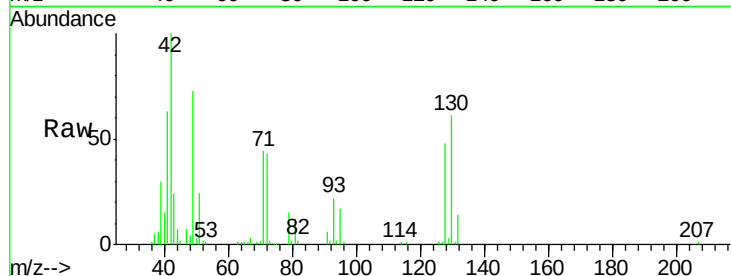
#29
Tetrahydrofuran
Concen: 219.771 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.8	52.2
71	39.8	33.5	50.3

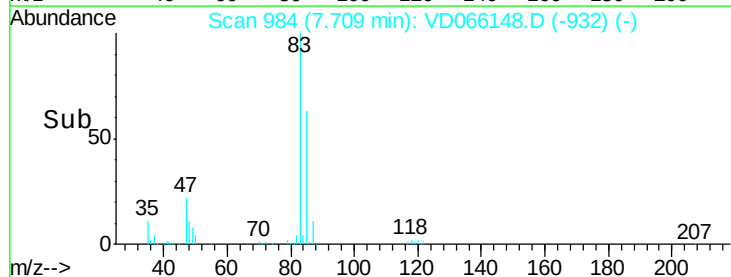
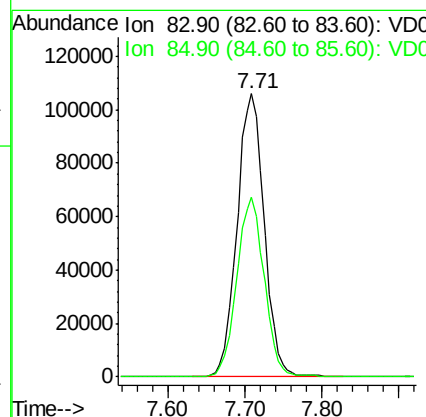
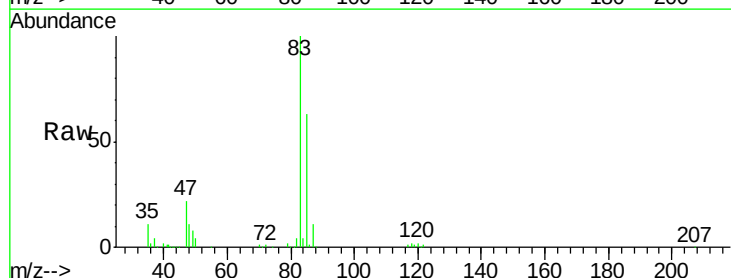
Manual Integrations
APPROVED

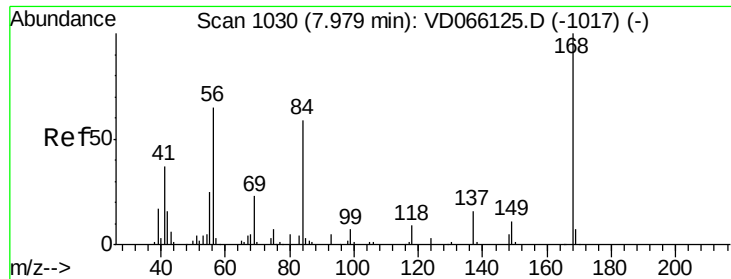
MMDadoda
8/10/2020 12:24:08 PM



#30
Chloroform
Concen: 46.502 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.5	74.3





#31

Cyclohexane

Concen: 43.611 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

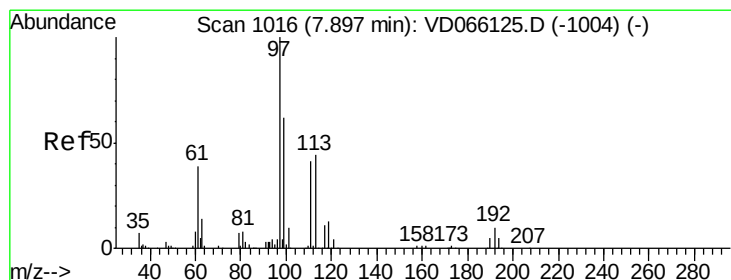
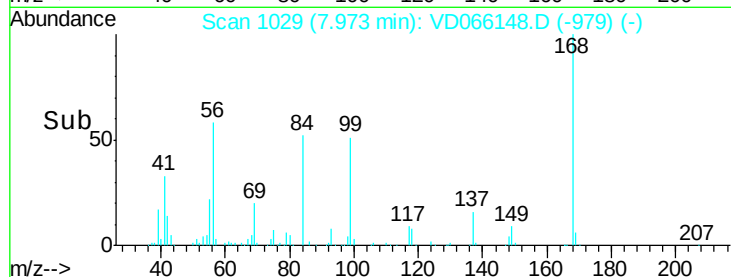
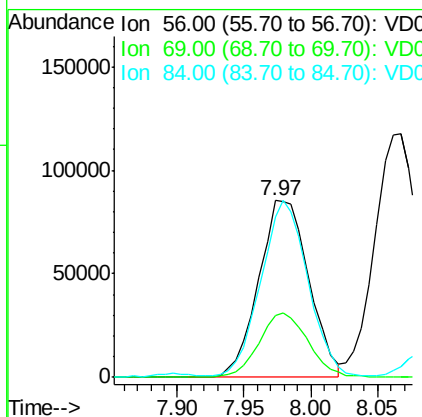
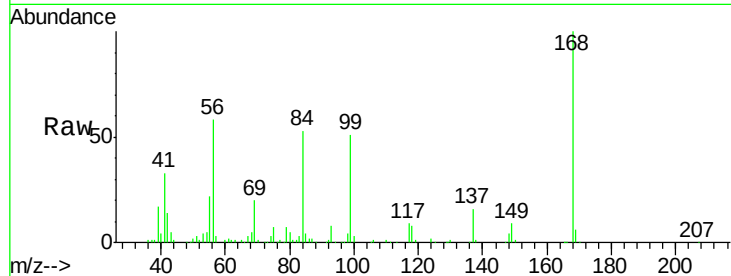
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	222543
Ion Ratio	Lower	Upper	
56	100		
69	34.7	28.8	43.2
84	89.2	73.0	109.6

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#32

1,1,1-Trichloroethane

Concen: 46.435 ug/l

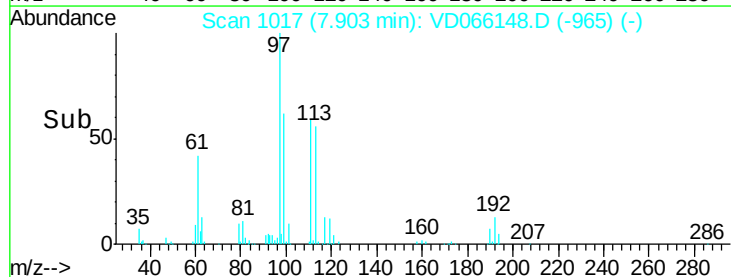
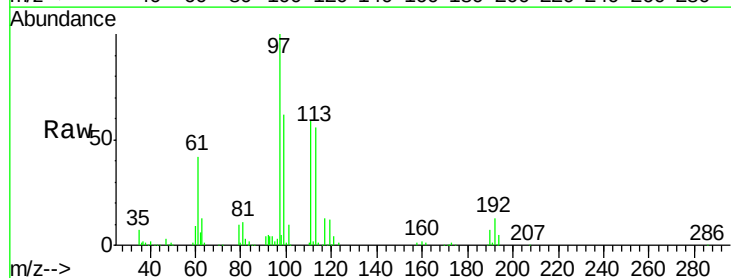
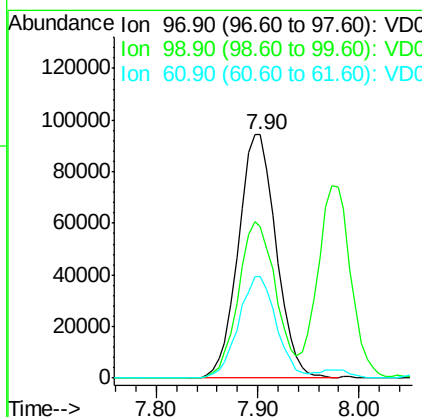
RT: 7.90 min Scan# 1017

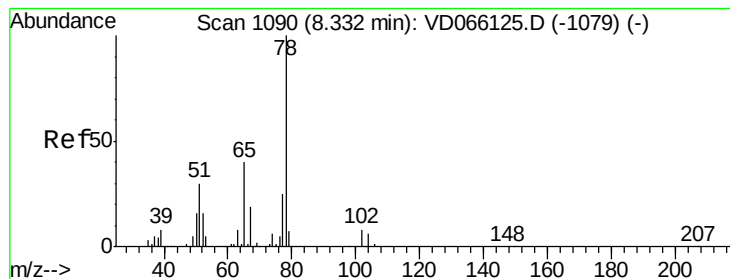
Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion:	97	Resp:	245073
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.1	76.7
61	41.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 50.944 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 148388

Ion Ratio Lower Upper

65 100

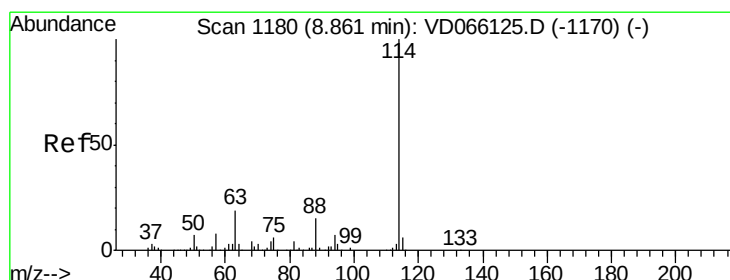
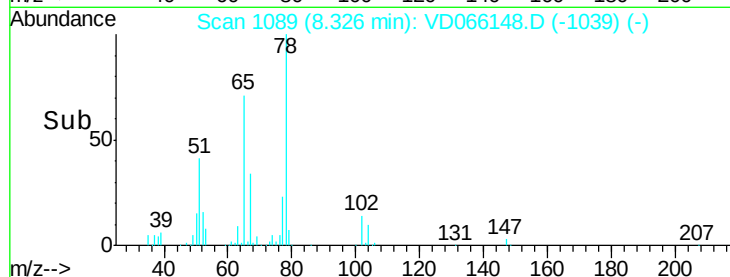
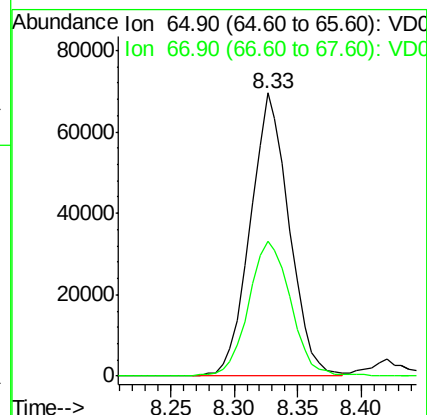
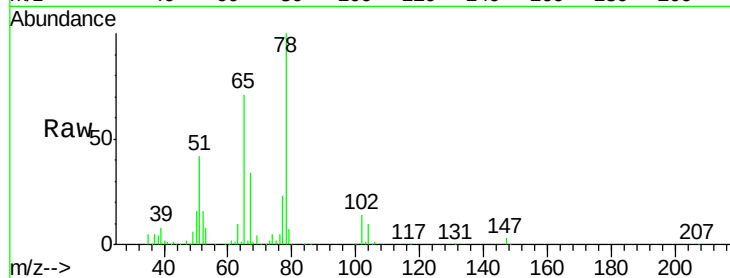
67 51.6 0.0 104.6

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

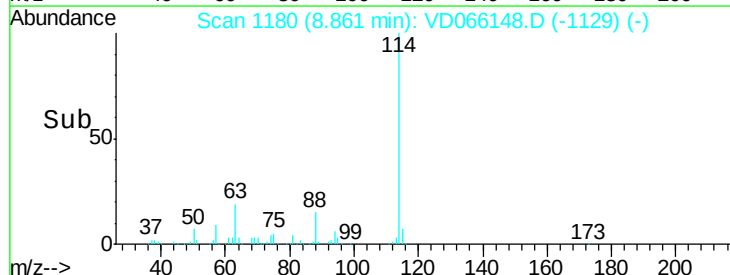
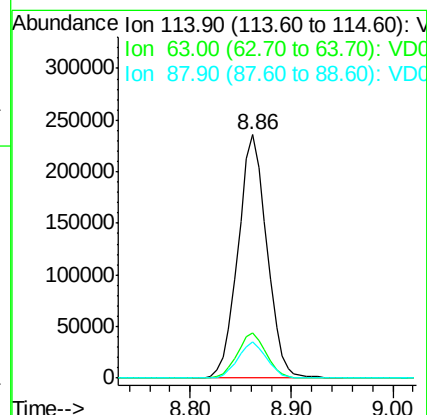
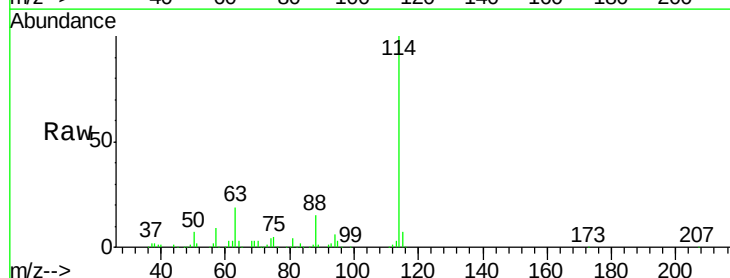
Tgt Ion: 114 Resp: 464727

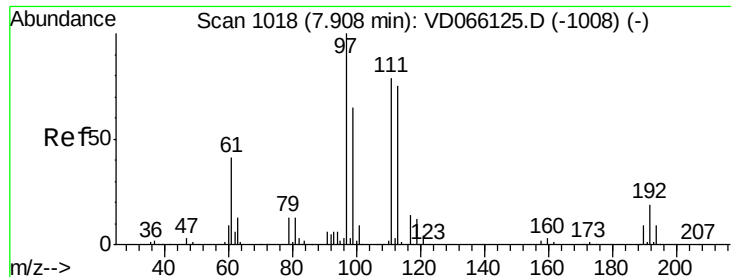
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

88 14.7 0.0 30.0





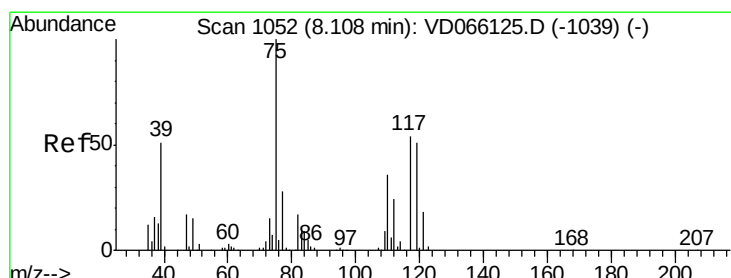
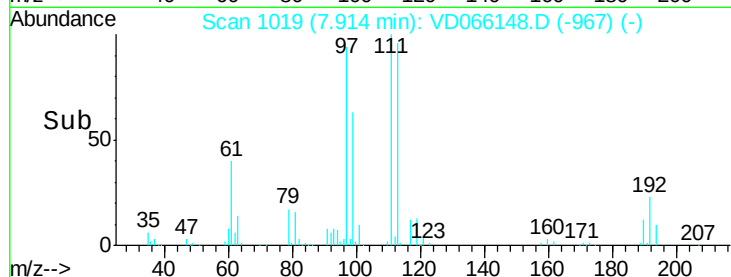
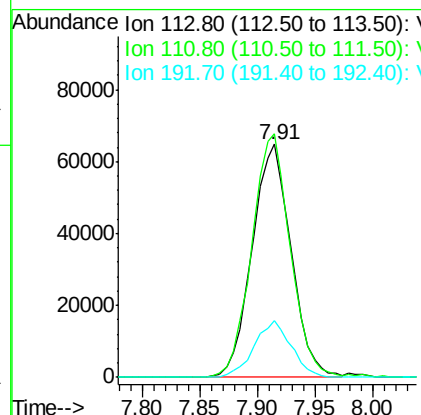
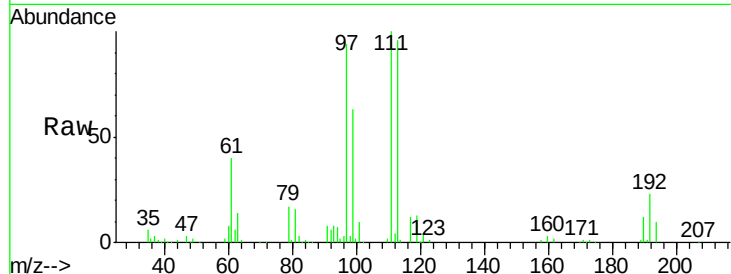
#35
 Dibromofluoromethane
 Concen: 51.746 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152340		
111	103.0	80.7	121.1	
192	23.2	18.4	27.6	

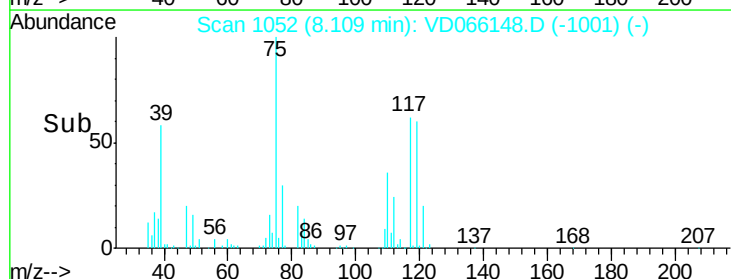
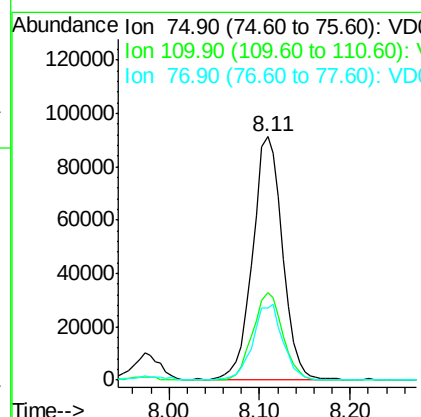
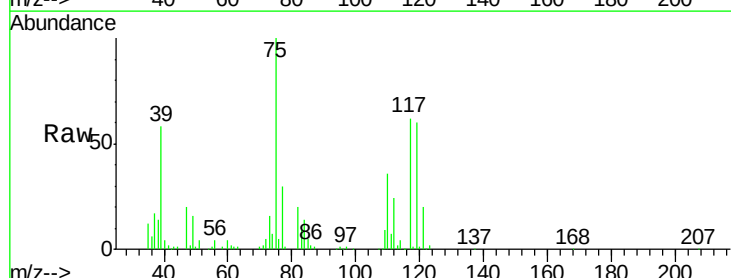
Manual Integrations
 APPROVED

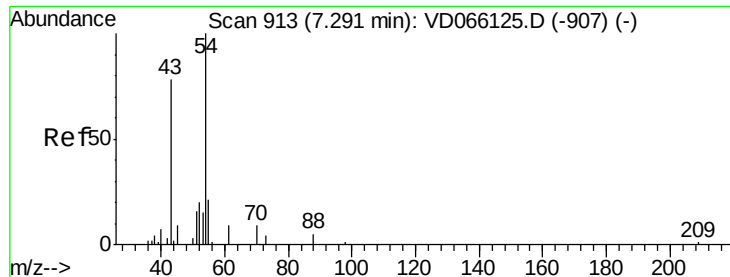
MMDadoda
 8/10/2020 12:24:08 PM



#36
 1,1-Dichloropropene
 Concen: 47.558 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207685		
110	36.3	18.8	56.3	
77	31.4	24.2	36.2	





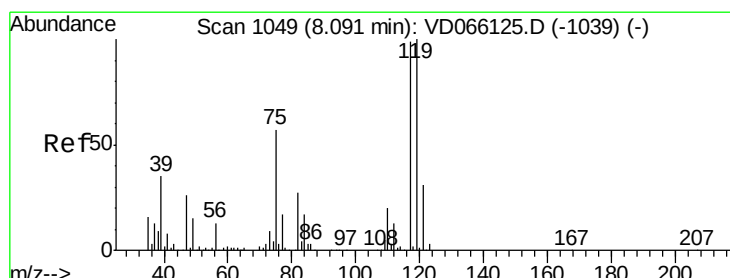
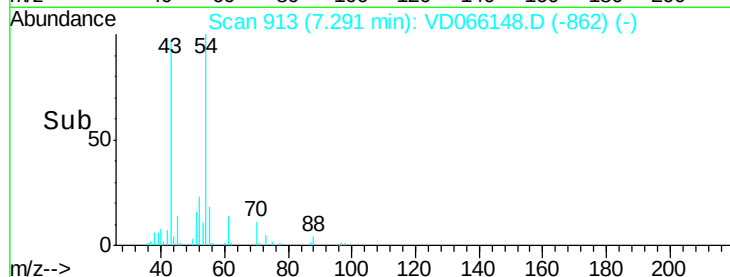
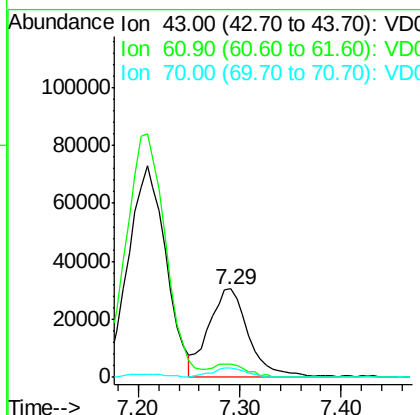
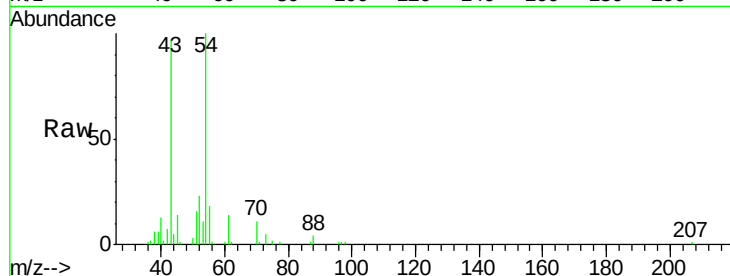
#37
Ethyl Acetate
Concen: 47.095 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.5	12.0	18.0	
70	9.9	9.7	14.5	

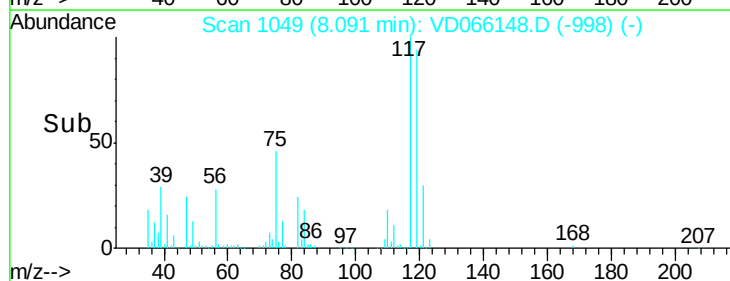
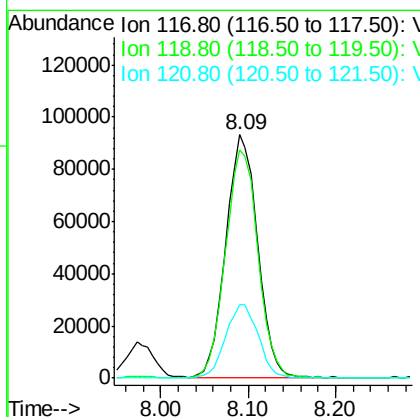
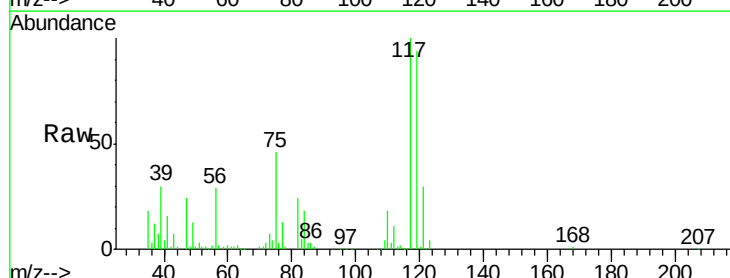
Manual Integrations
APPROVED

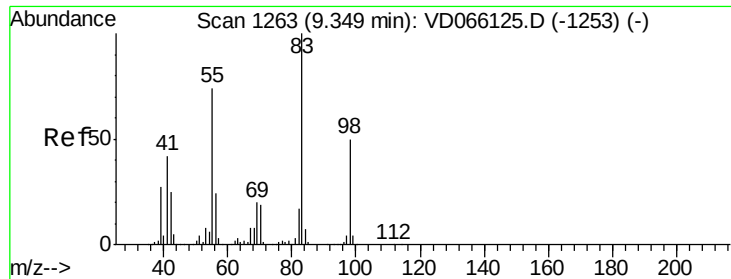
MMDadoda
8/10/2020 12:24:08 PM



#38
Carbon Tetrachloride
Concen: 47.345 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.7	81.0	121.4	
121	30.2	24.8	37.2	





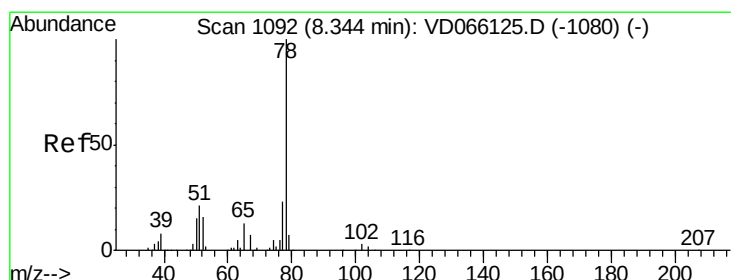
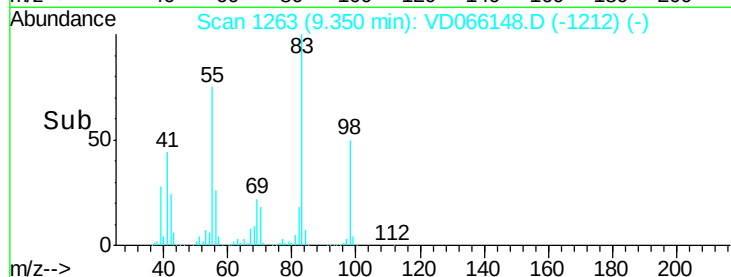
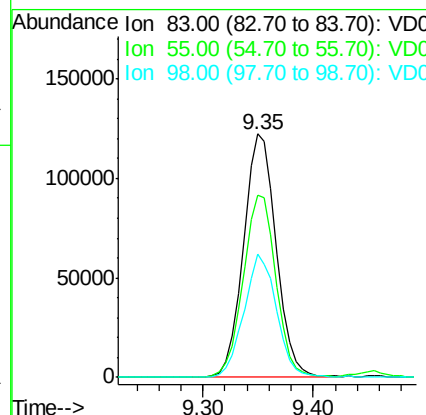
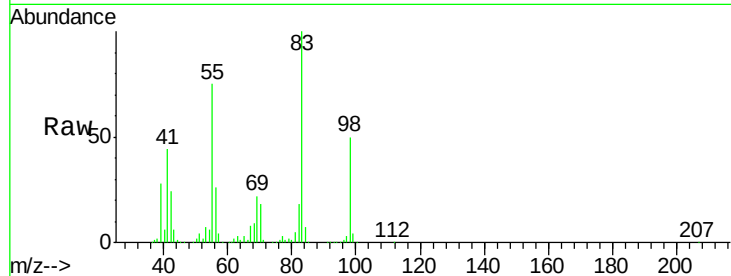
#39
Methylvlcyclohexane
Concen: 48.206 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	254482
Ion Ratio	Lower	Upper	
83	100		
55	74.9	59.2	88.8
98	50.5	39.8	59.6

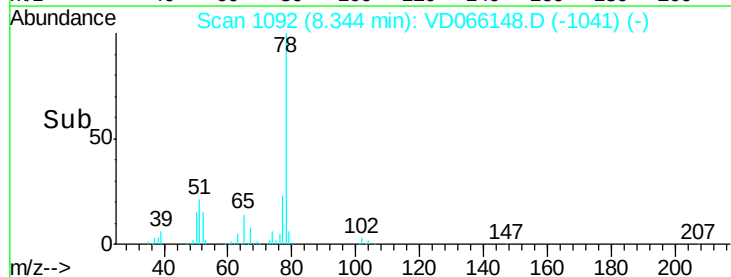
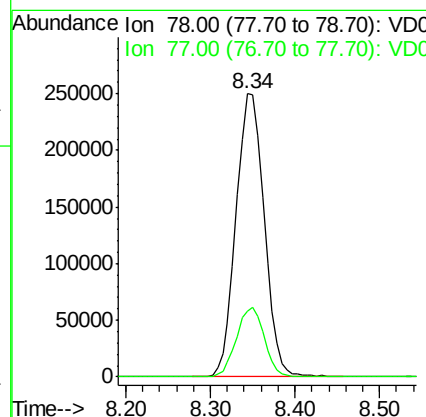
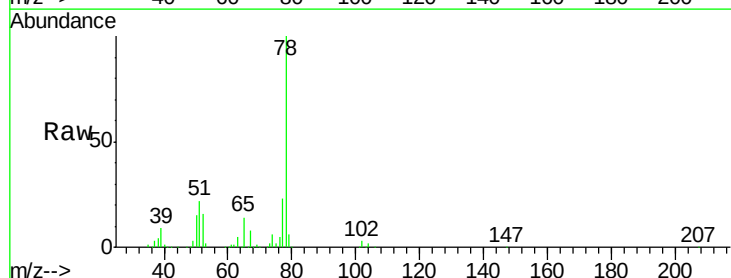
Manual Integrations
APPROVED

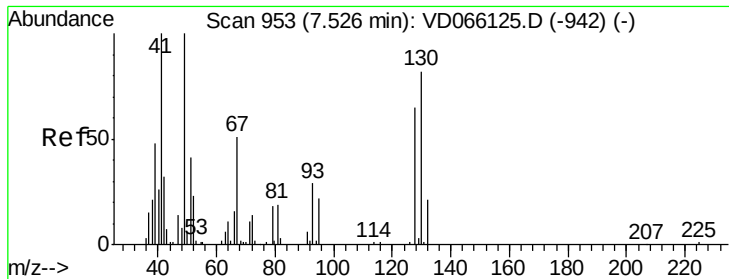
MMDadoda
8/10/2020 12:24:08 PM



#40
Benzene
Concen: 47.742 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	78	Resp	578367
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.6	27.8





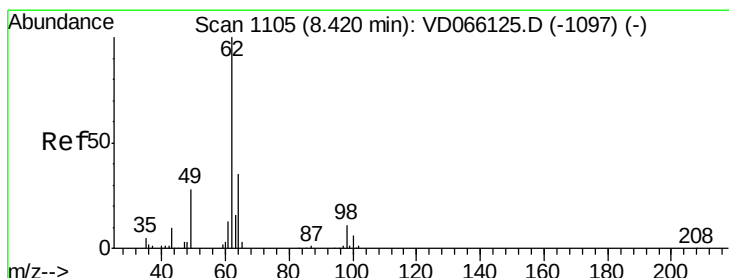
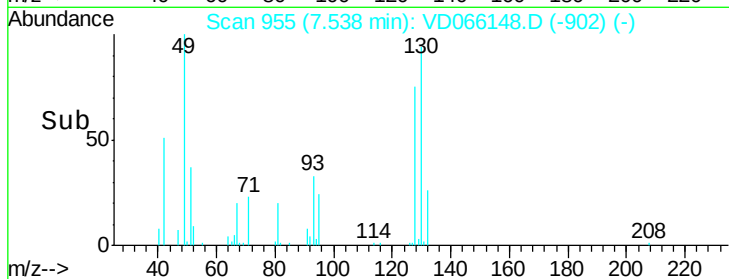
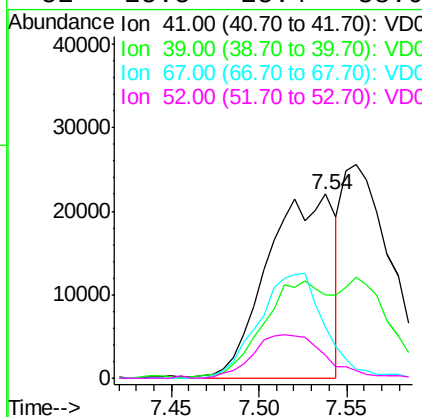
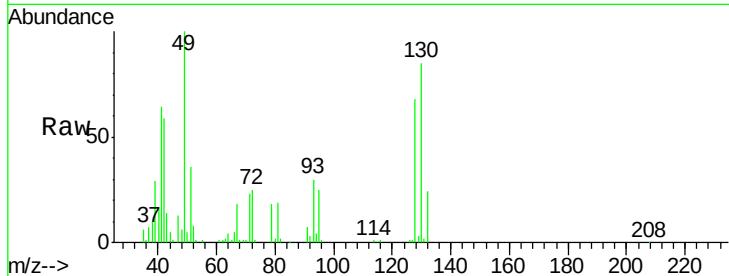
#41
Methacrylonitrile
Concen: 58.534 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp:	59550
Ion	Ratio	Lower	Upper
41	100		
39	47.6	47.5	71.3
67	55.5	59.1	88.7#
52	25.5	25.4	38.0

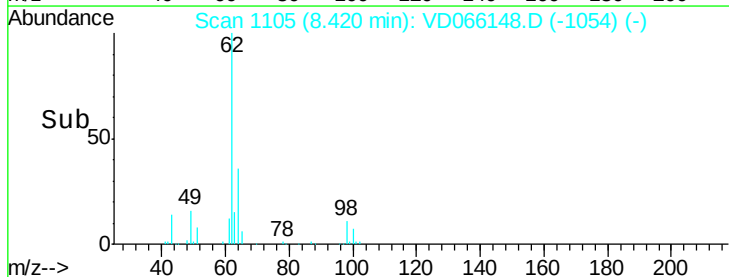
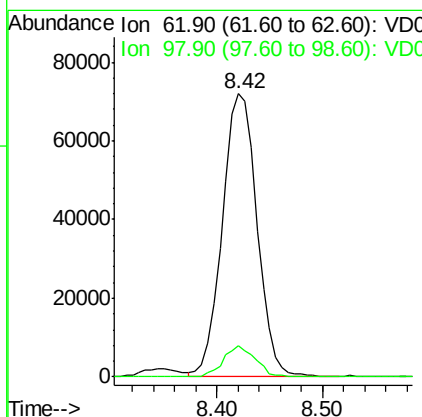
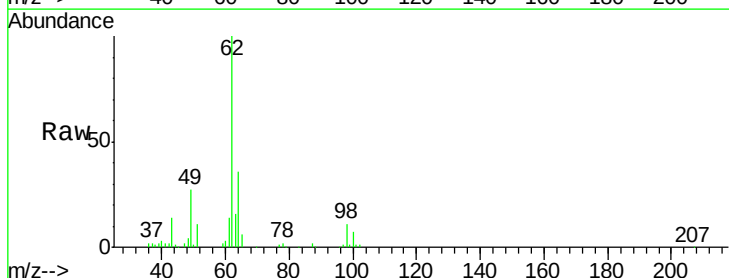
Manual Integrations
APPROVED

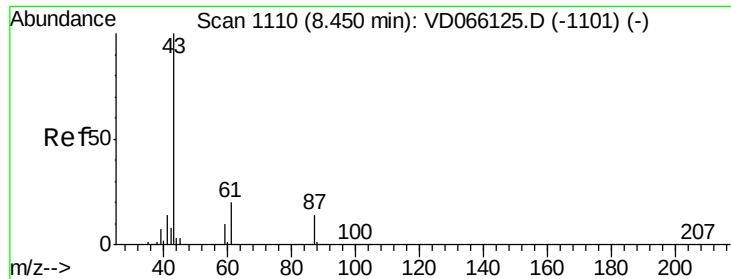
MMDadoda
8/10/2020 12:24:08 PM



#42
1,2-Dichloroethane
Concen: 46.065 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	62	Resp:	163941
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





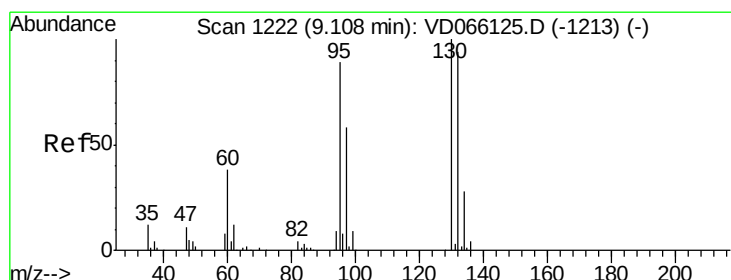
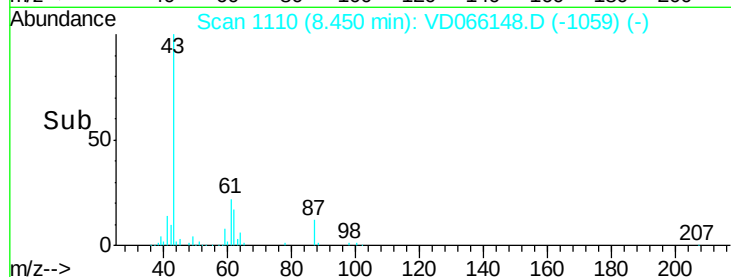
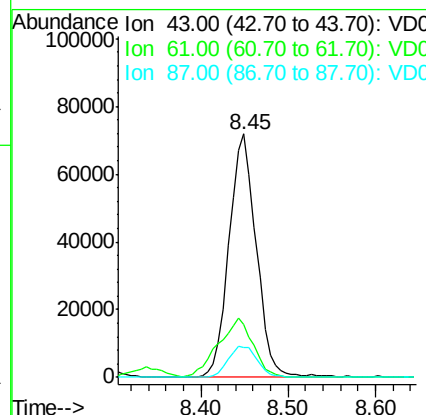
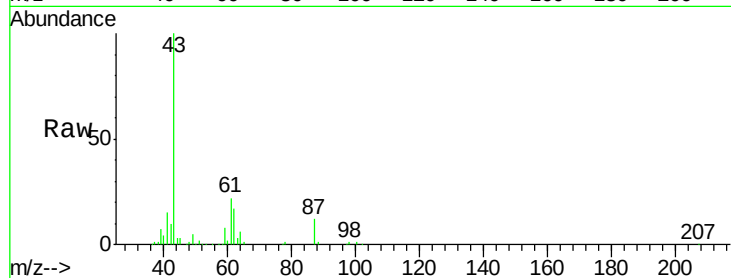
#43
Isopropyl Acetate
Concen: 44.952 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	153249		
61	31.4		25.5	38.3
87	13.7		11.2	16.8

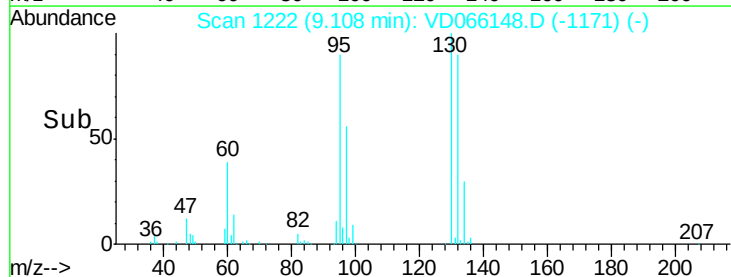
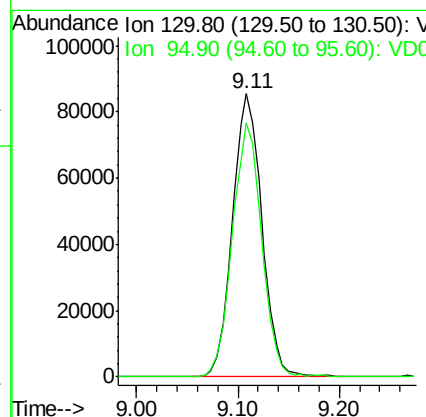
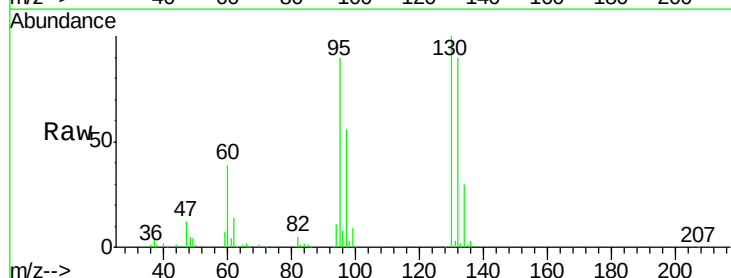
Manual Integrations
APPROVED

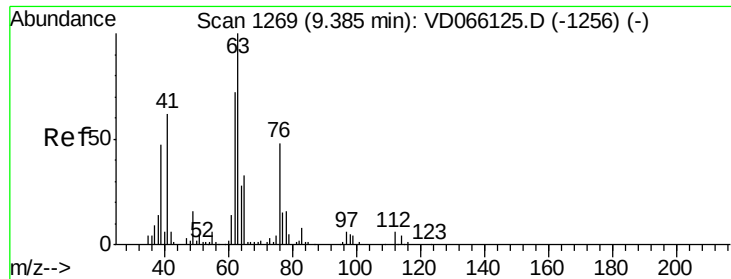
MMDadoda
8/10/2020 12:24:08 PM



#44
Trichloroethene
Concen: 47.087 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	171891		
95	89.6		0.0	178.4





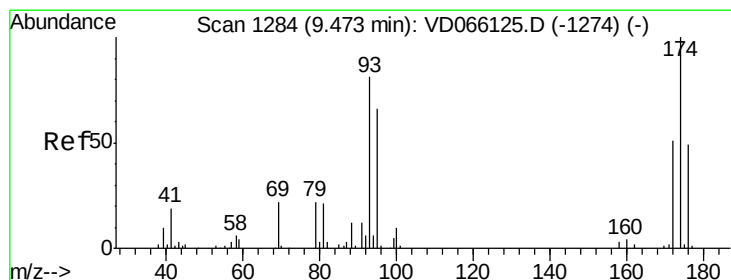
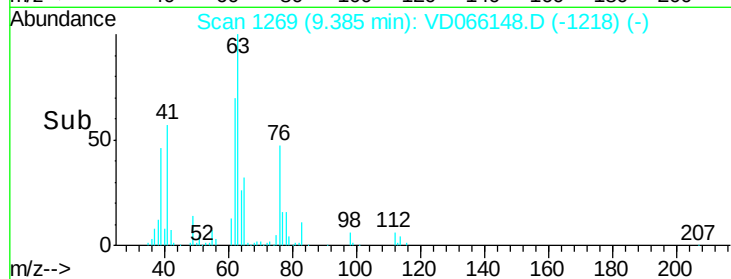
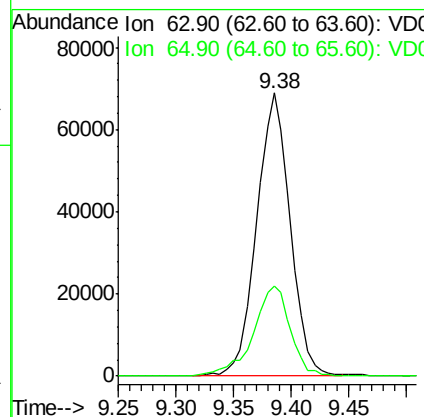
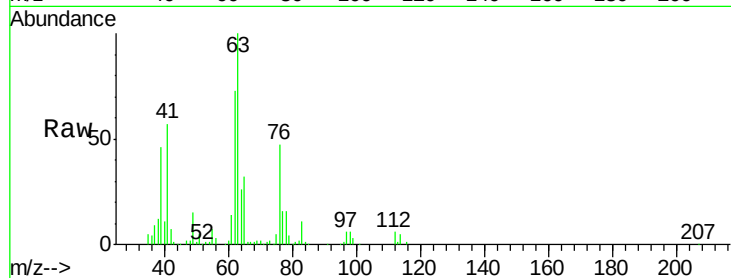
#45
 1,2-Dichloropropane
 Concen: 47.028 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	139338		
65	31.9	26.5	39.7	

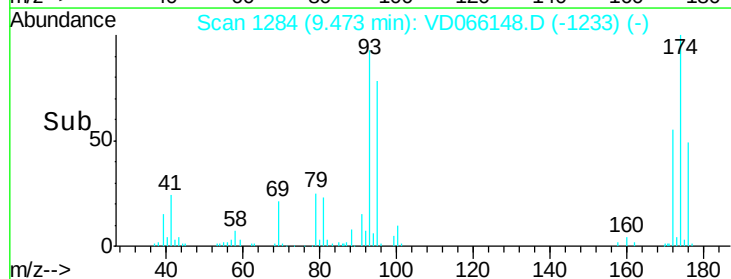
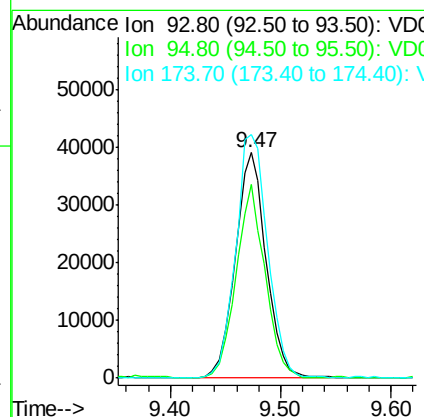
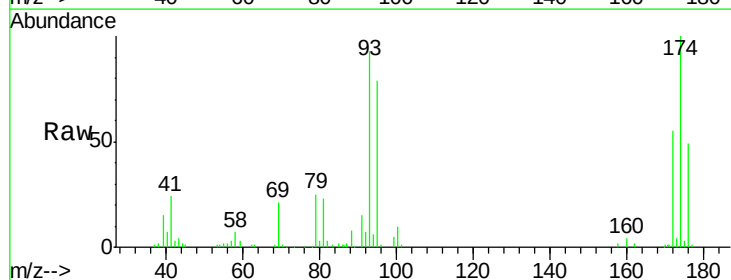
Manual Integrations
 APPROVED

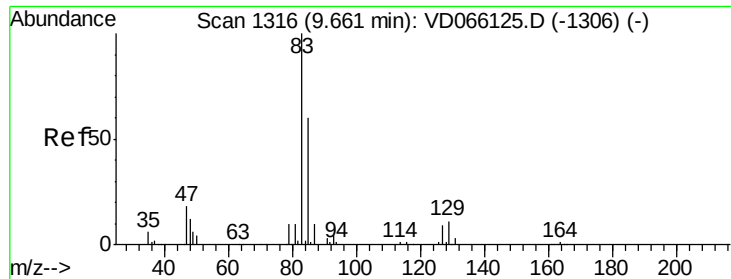
MMDadoda
 8/10/2020 12:24:08 PM



#46
 Dibromomethane
 Concen: 46.947 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	76619		
95	80.5	65.8	98.6	
174	112.4	92.8	139.2	





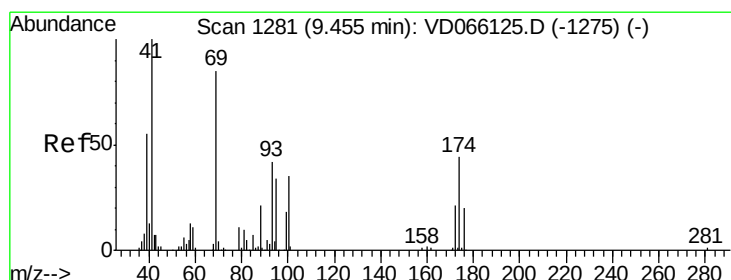
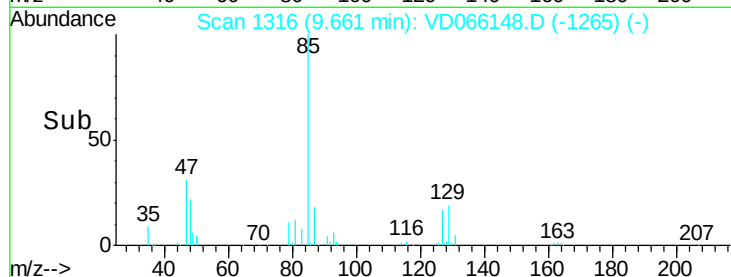
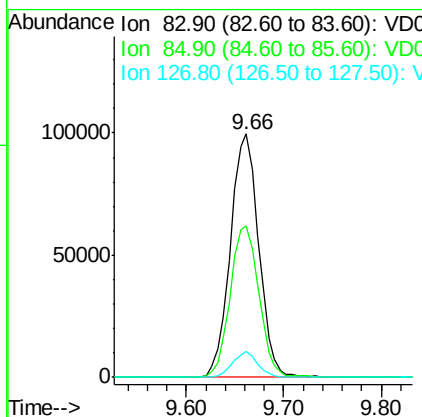
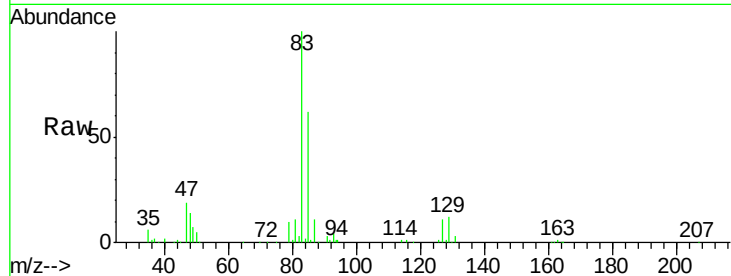
#47
Bromodichloromethane
Concen: 46.547 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	200778
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	48.2	72.4
127	10.8	7.3	10.9

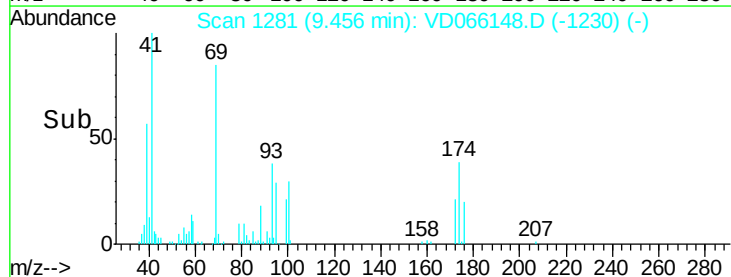
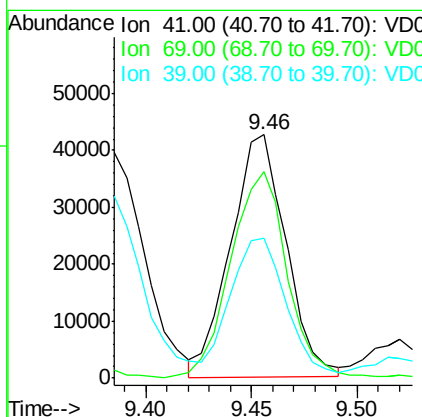
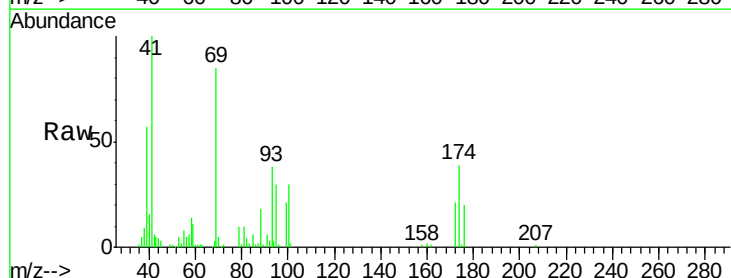
Manual Integrations
APPROVED

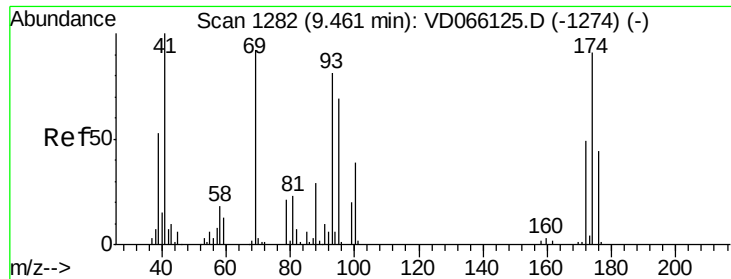
MMDadoda
8/10/2020 12:24:08 PM



#48
Methyl methacrylate
Concen: 44.457 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	41	Resp	77389
Ion Ratio	100	Lower	Upper
41	100		
69	87.5	63.9	95.9
39	53.9	42.6	64.0





#49

1,4-Dioxane

Concen: 806.964 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

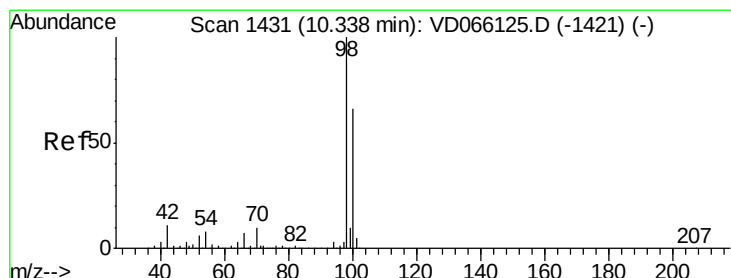
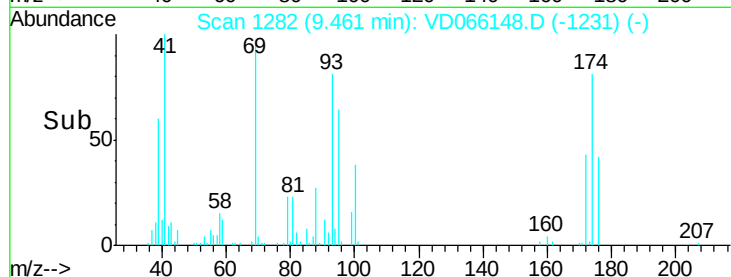
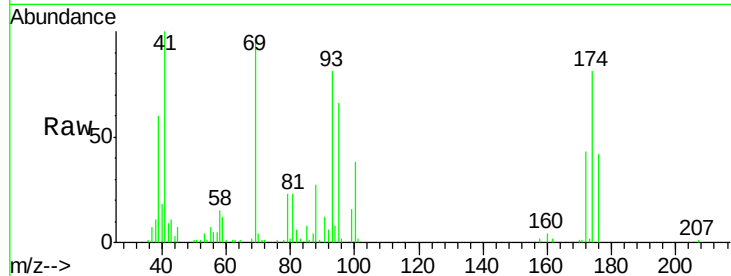
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	16920
Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.5	41.3
58	70.9	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#50

Toluene-d8

Concen: 54.454 ug/l

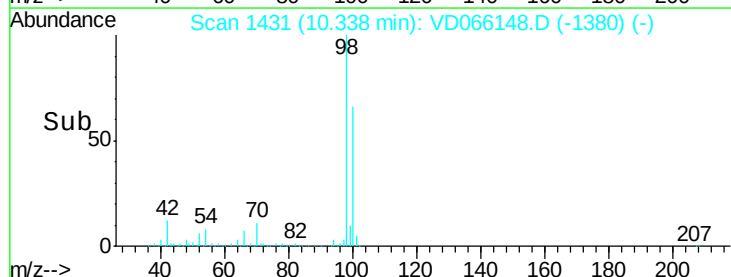
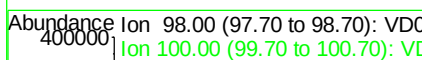
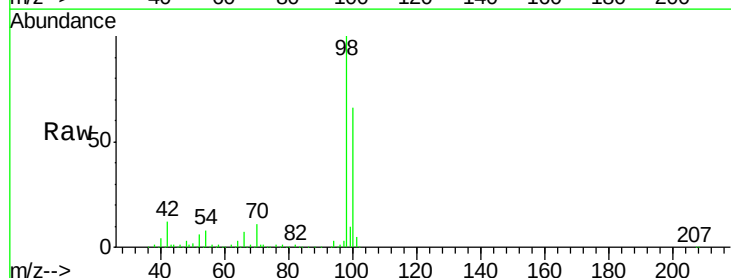
RT: 10.34 min Scan# 1431

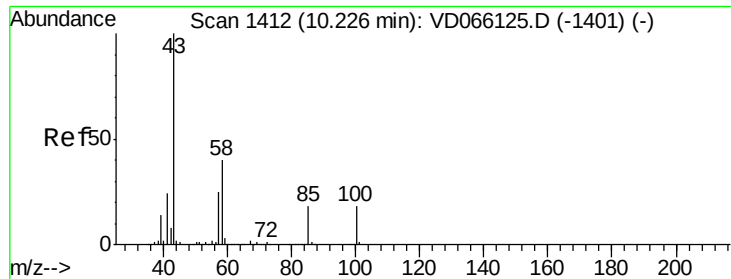
Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion:	98	Resp:	591596
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 225.722 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 395271

Ion Ratio Lower Upper

43 100

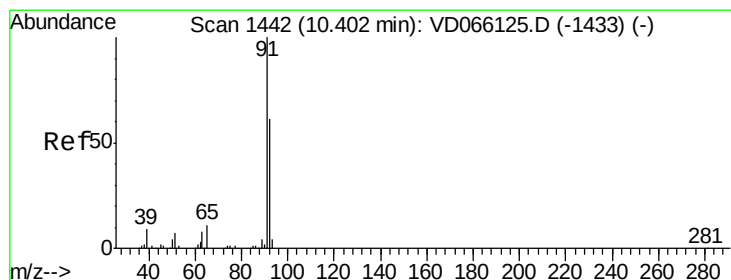
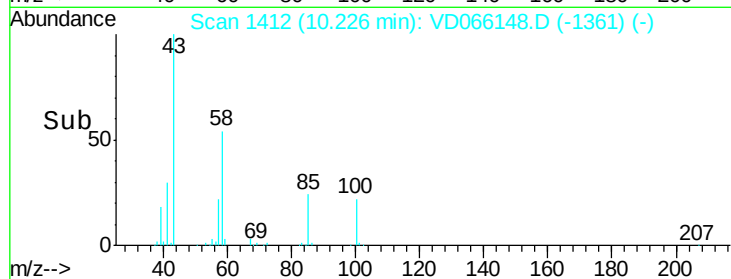
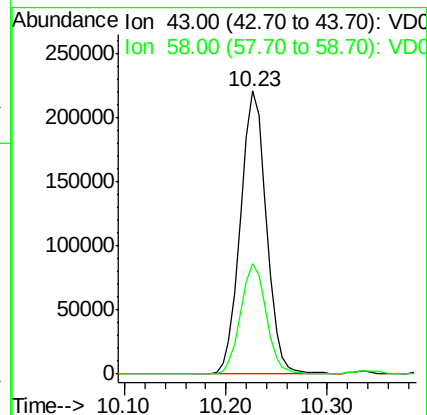
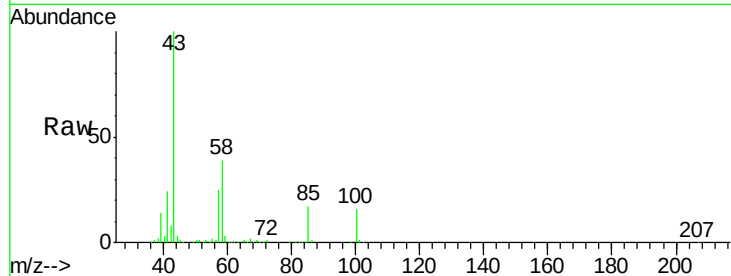
58 38.7 31.1 46.7

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



#52

Toluene

Concen: 48.011 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066148.D

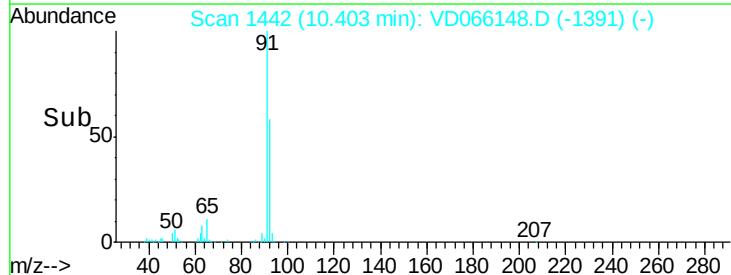
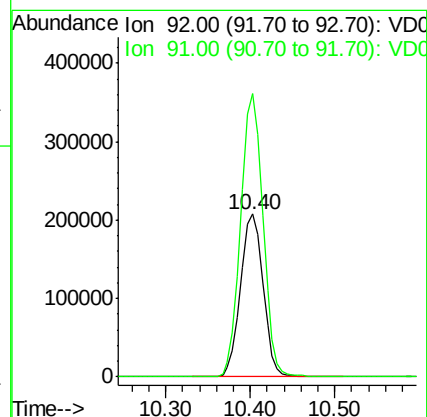
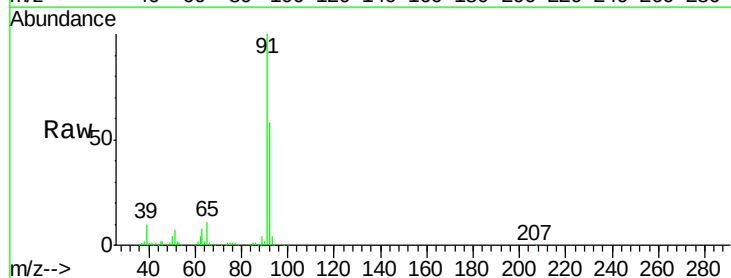
Acq: 07 Aug 2020 10:05

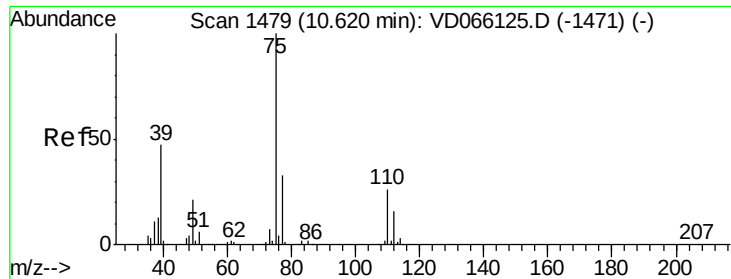
Tgt Ion: 92 Resp: 382721

Ion Ratio Lower Upper

92 100

91 171.2 135.2 202.8





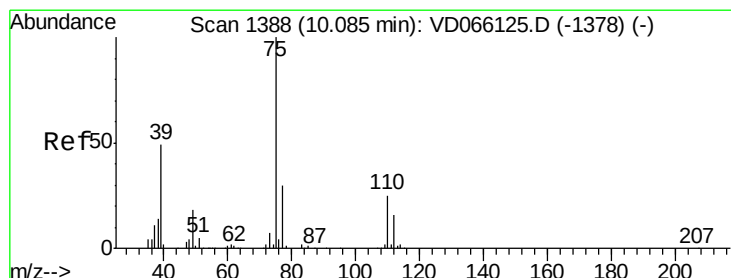
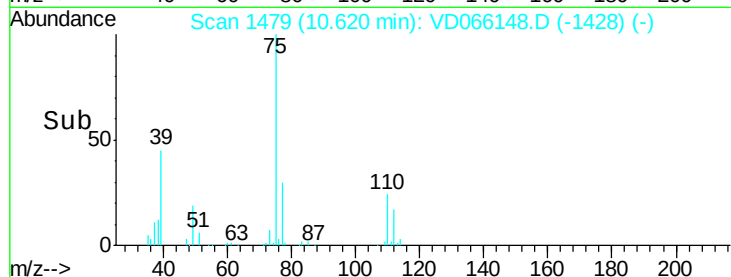
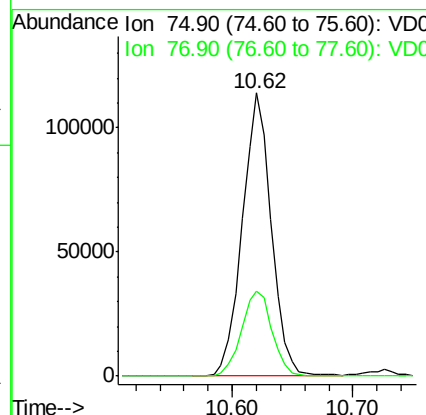
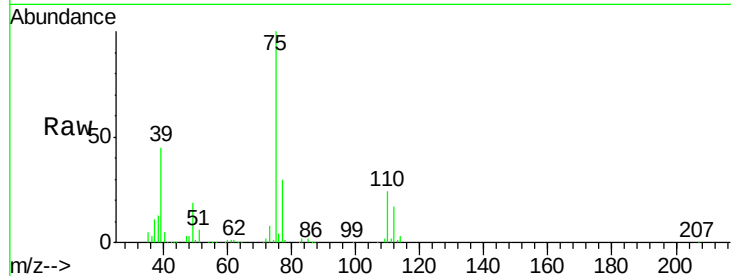
#53
t-1,3-Dichloropropene
Concen: 46.640 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.2	39.2

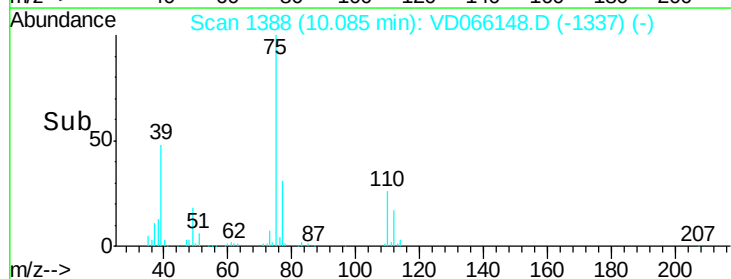
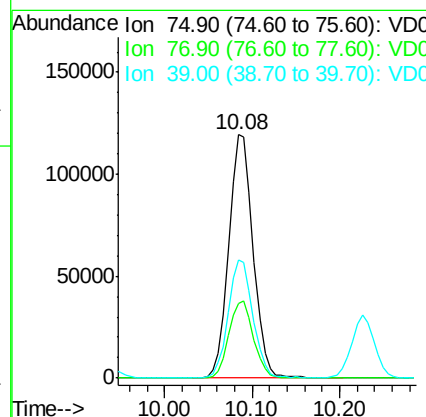
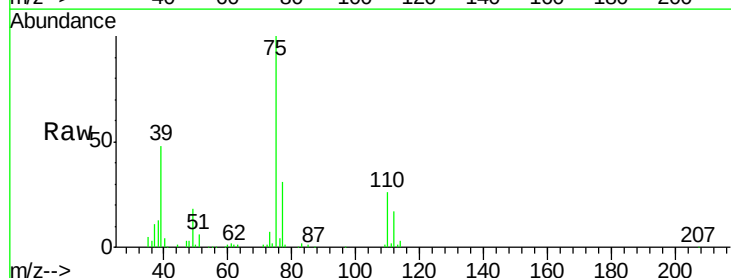
Manual Integrations
APPROVED

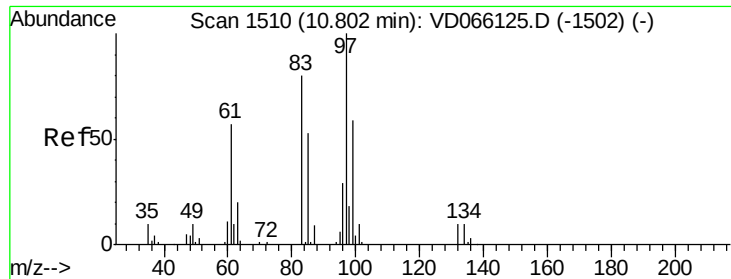
MMDadoda
8/10/2020 12:24:08 PM



#54
cis-1,3-Dichloropropene
Concen: 47.425 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.3	36.5
39	48.2	39.3	58.9





#55

1,1,2-Trichloroethane

Concen: 44.205 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

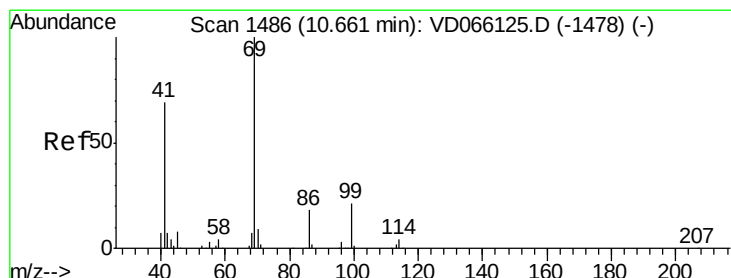
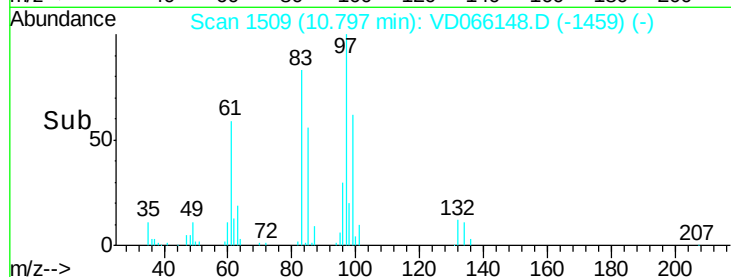
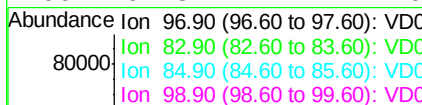
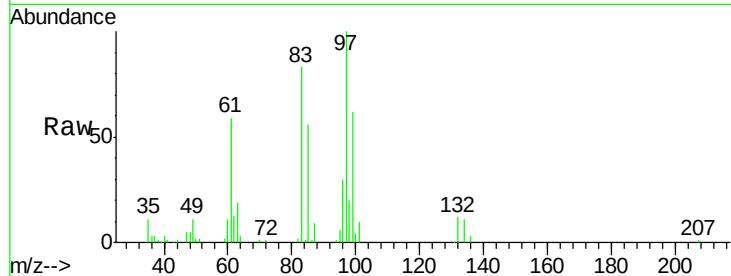
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	103884
Ion	Ratio	Lower	Upper
97	100		
83	83.6	63.9	95.9
85	56.5	42.5	63.7
99	62.3	47.4	71.0

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#56

Ethyl methacrylate

Concen: 45.751 ug/l

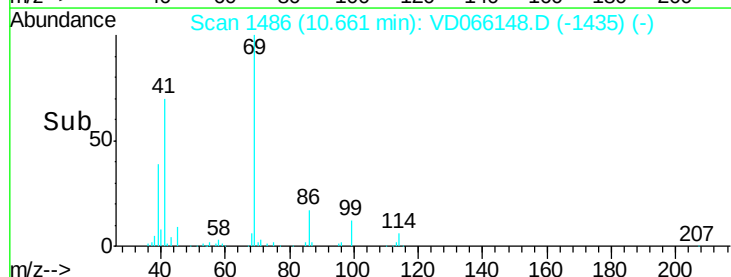
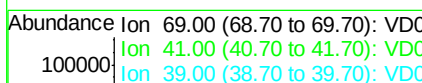
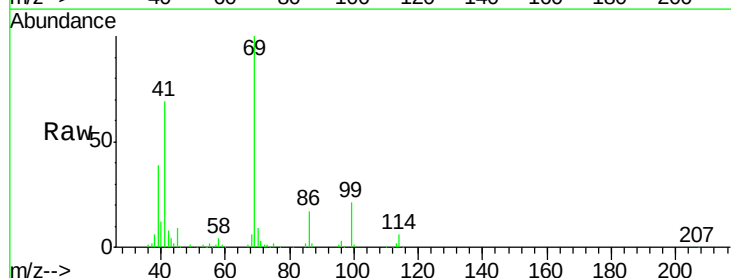
RT: 10.66 min Scan# 1486

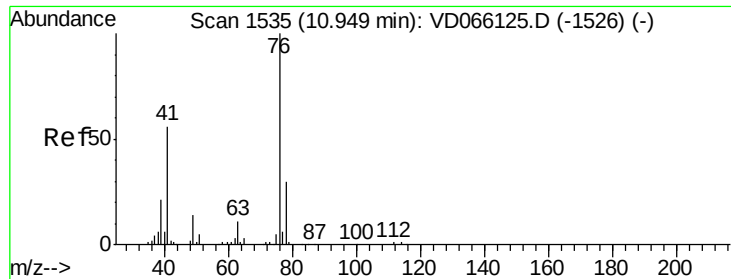
Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion:	69	Resp:	129160
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	35.4	28.6	43.0





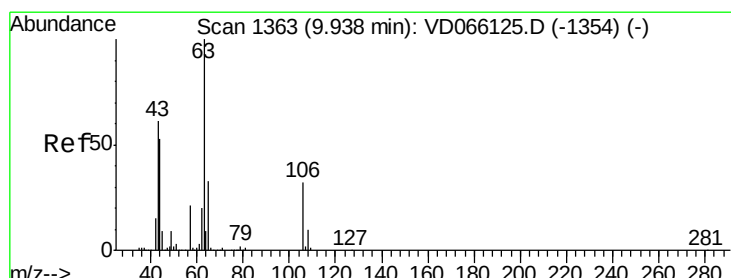
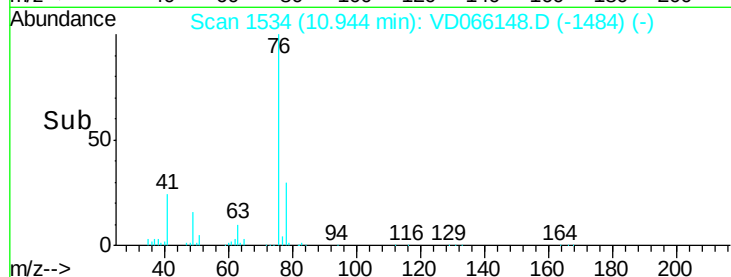
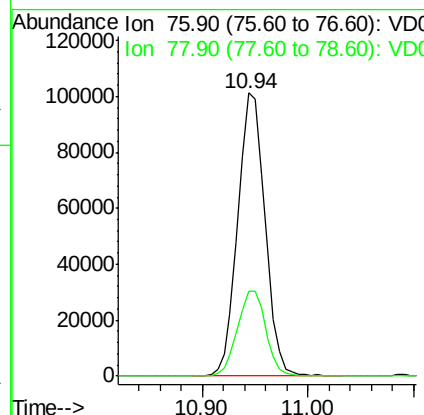
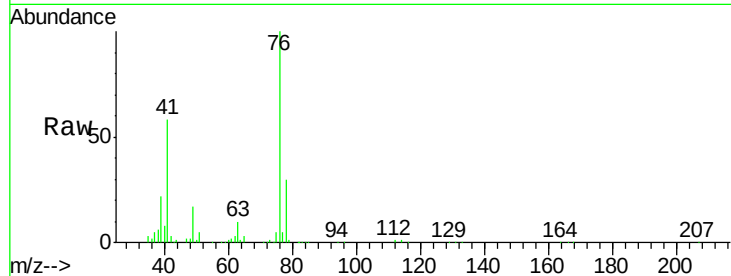
#57
 1,3-Dichloropropane
 Concen: 46.202 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

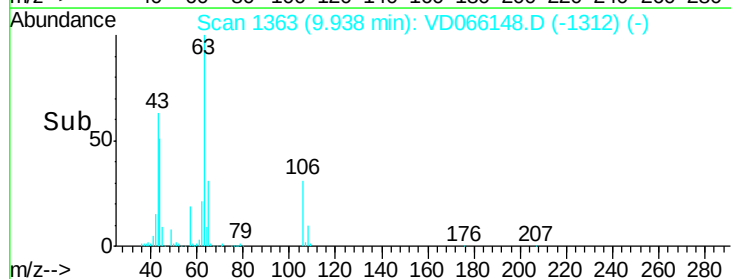
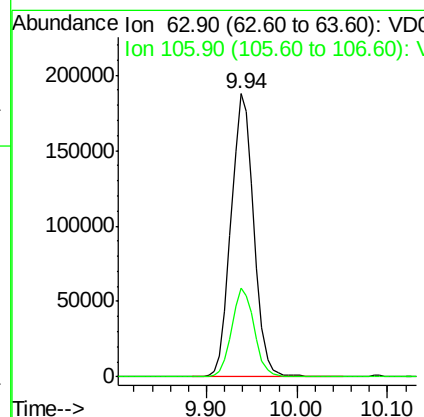
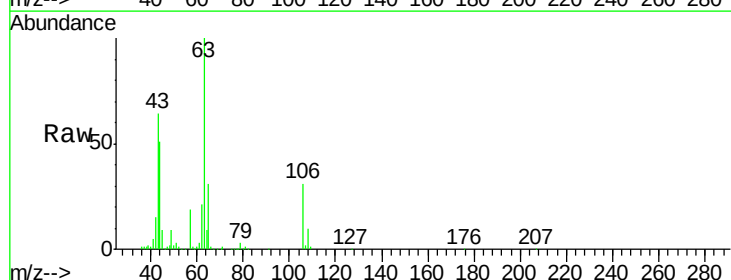
Manual Integrations
 APPROVED

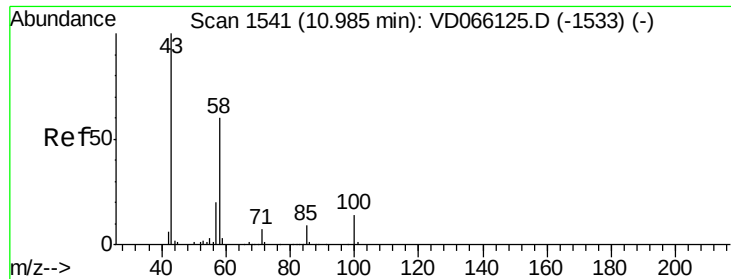
MMDadoda
 8/10/2020 12:24:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.300 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	25.3	37.9





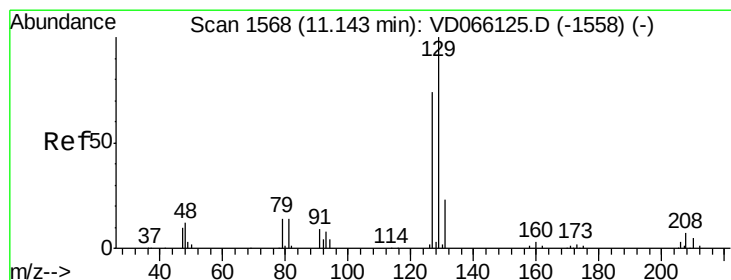
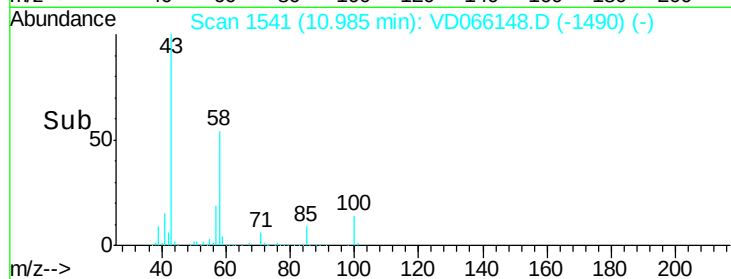
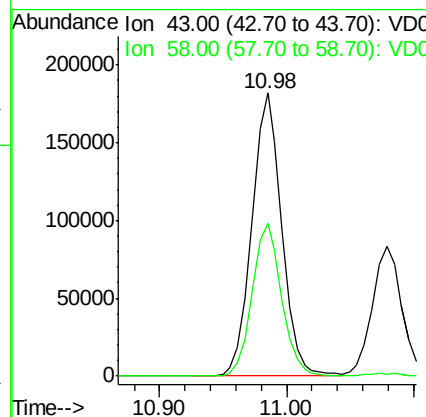
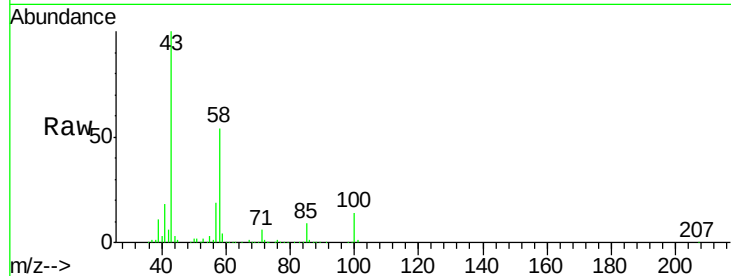
#59
2-Hexanone
Concen: 242.082 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	297514
Ion Ratio	100	Lower	Upper
43	100		
58	53.3	27.8	83.4

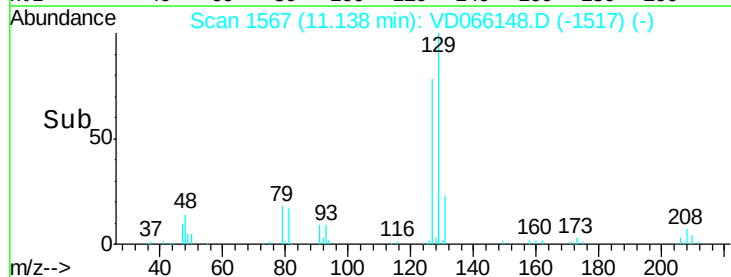
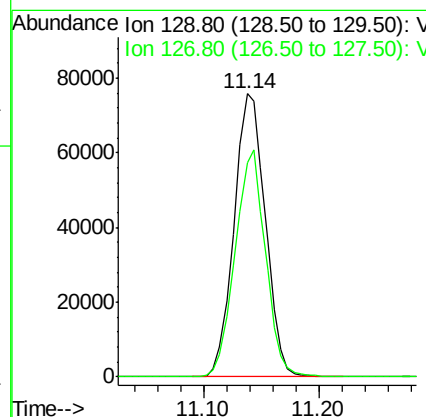
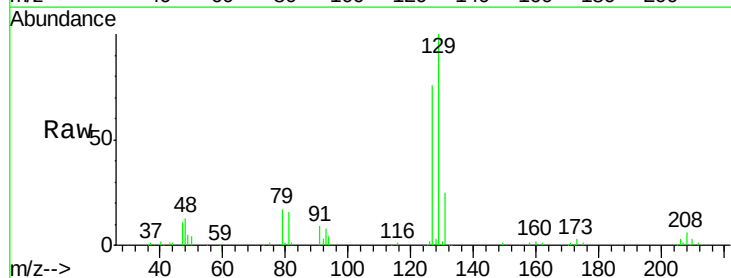
Manual Integrations
APPROVED

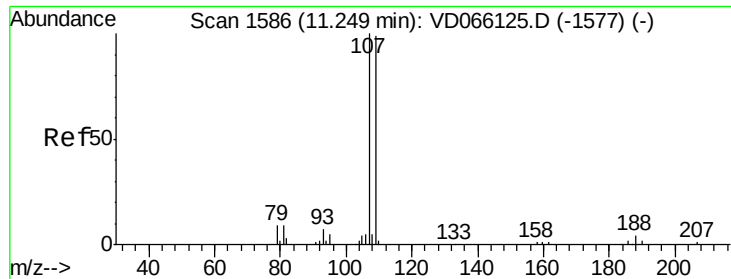
MMDadoda
8/10/2020 12:24:08 PM



#60
Dibromochloromethane
Concen: 43.824 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	129	Resp	142184
Ion Ratio	100	Lower	Upper
129	100		
127	78.1	38.0	114.1





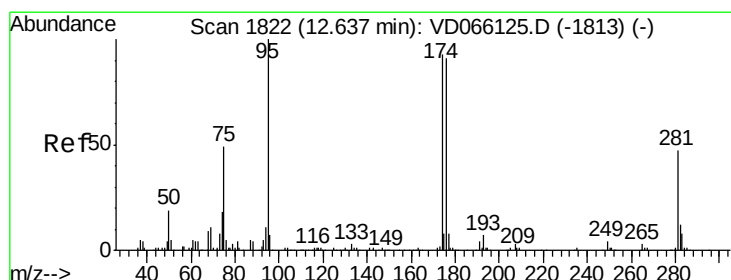
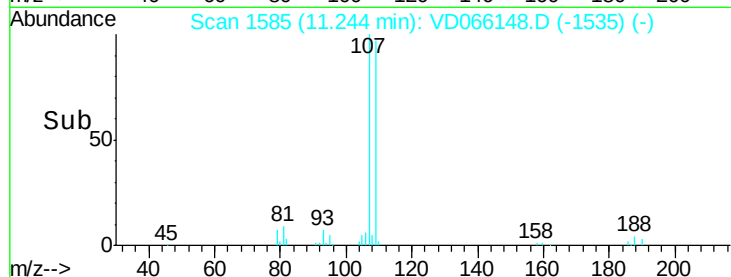
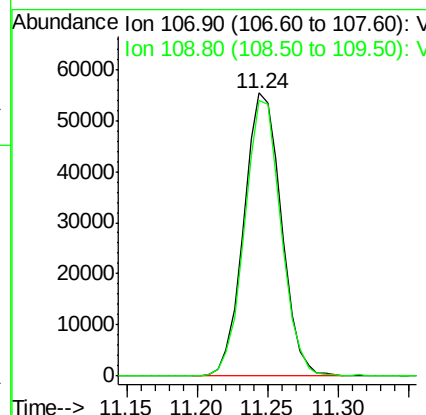
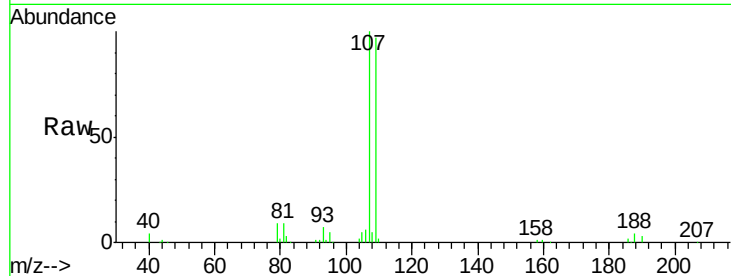
#61
 1,2-Dibromoethane
 Concen: 45.668 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	103212		
109	94.8	76.5	114.7	

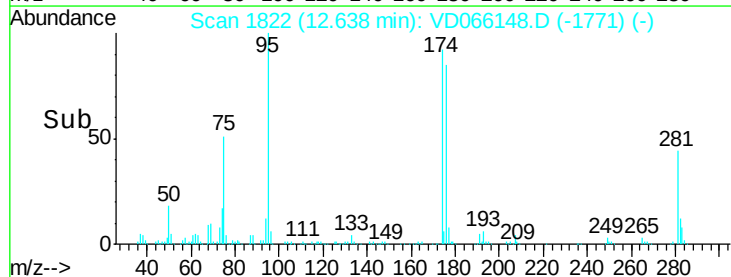
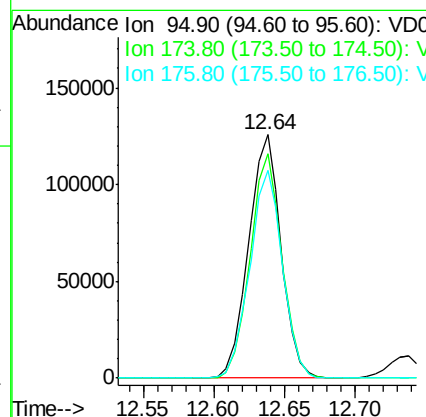
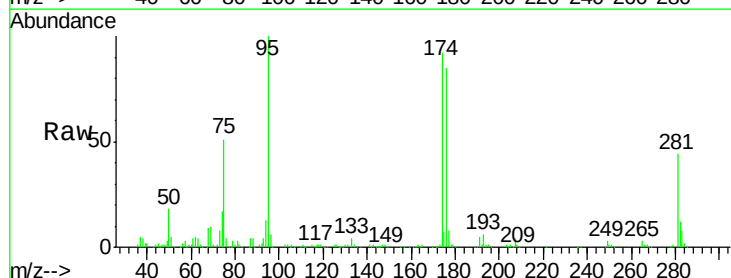
Manual Integrations
 APPROVED

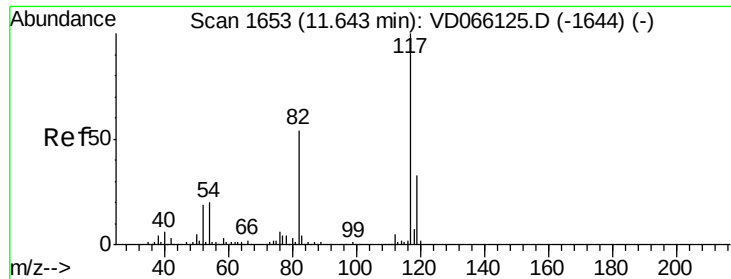
MMDadoda
 8/10/2020 12:24:08 PM



#62
 4-Bromofluorobenzene
 Concen: 51.701 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	202463		
174	90.4	0.0	180.8	
176	85.9	0.0	181.2	





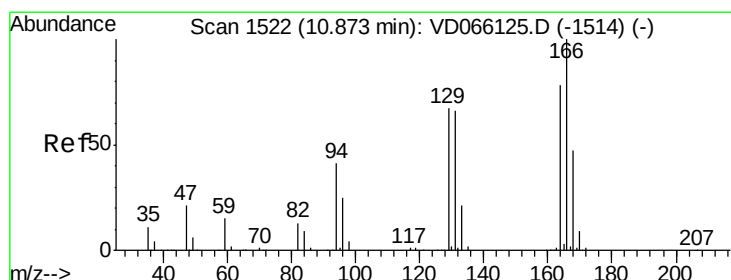
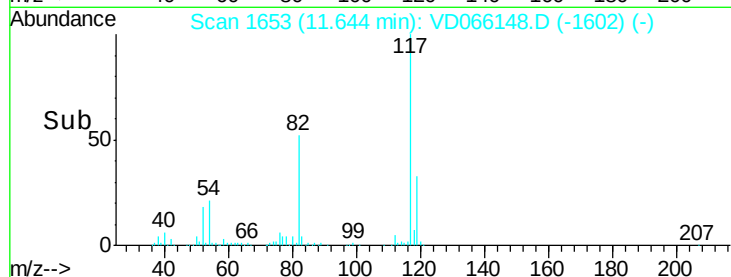
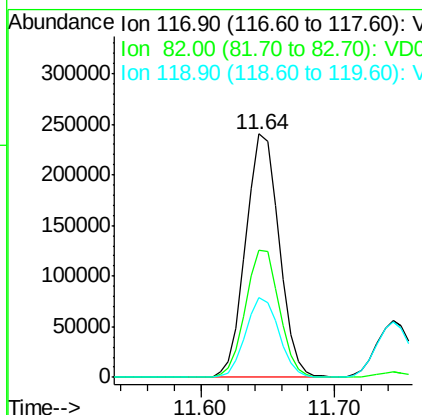
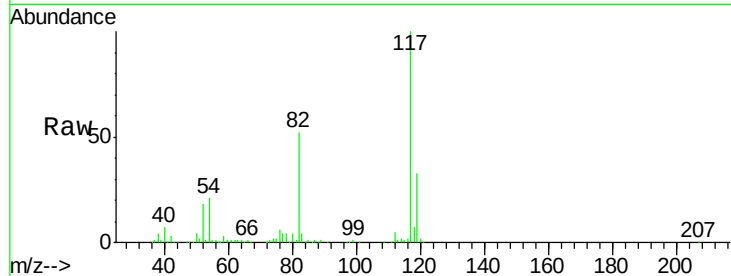
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	417162		
82	52.4	43.0	64.4	
119	32.7	26.1	39.1	

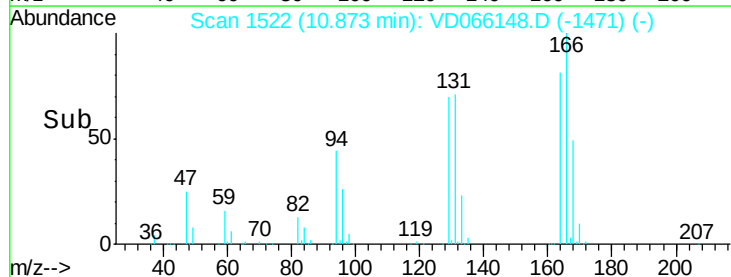
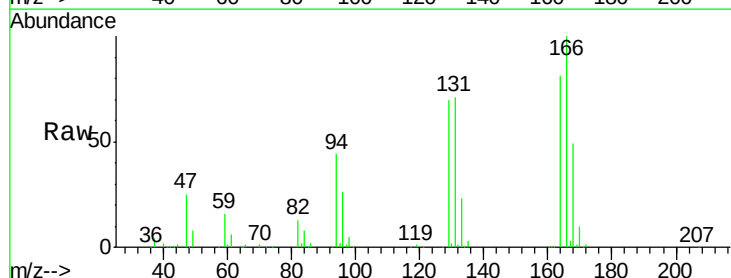
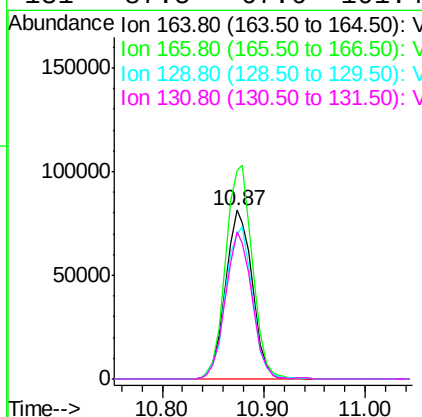
Manual Integrations
APPROVED

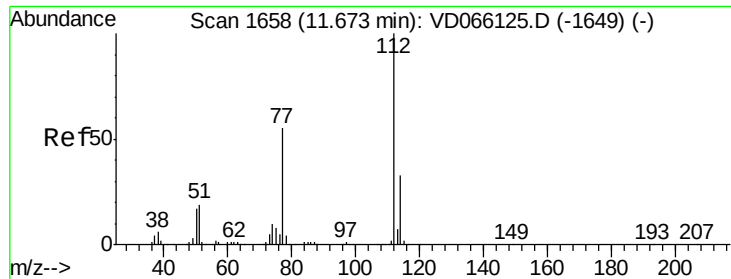
MMDadoda
8/10/2020 12:24:08 PM



#64
Tetrachloroethene
Concen: 46.430 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	148730		
166	123.7	101.9	152.9	
129	86.0	68.1	102.1	
131	87.5	67.6	101.4	





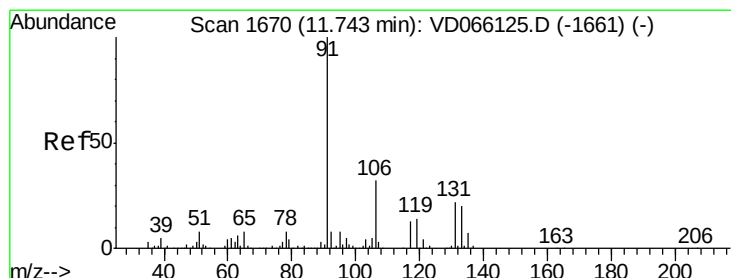
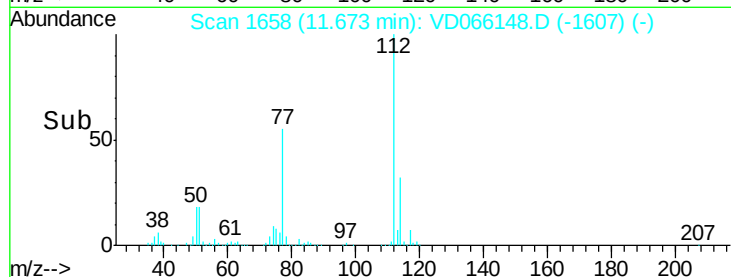
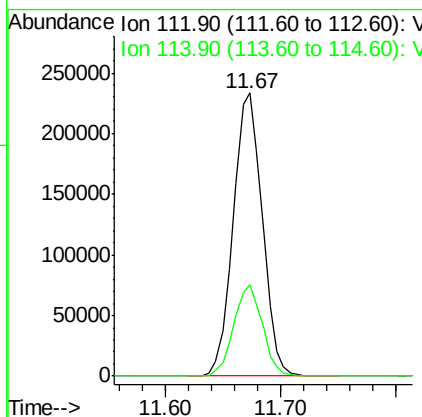
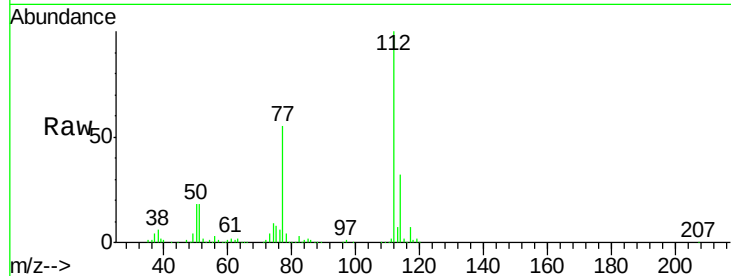
#65
Chlorobenzene
Concen: 48.022 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.1	39.1

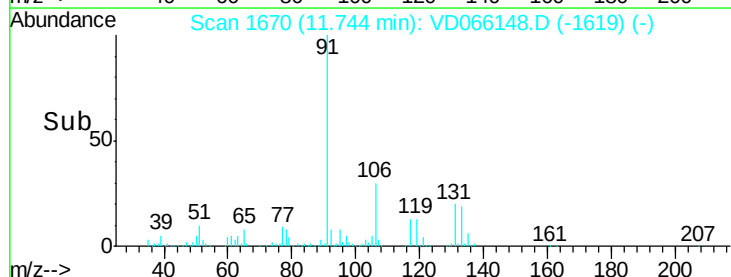
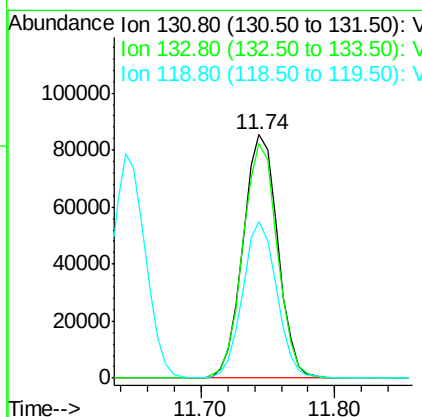
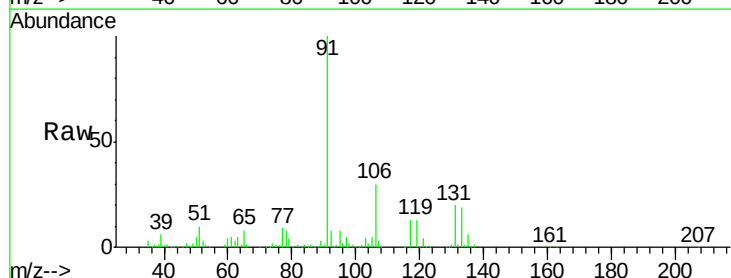
Manual Integrations
APPROVED

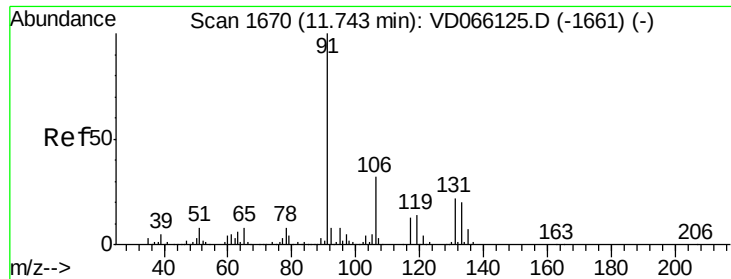
MMDadoda
8/10/2020 12:24:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.344 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.1	141.4
119	63.0	31.6	94.7





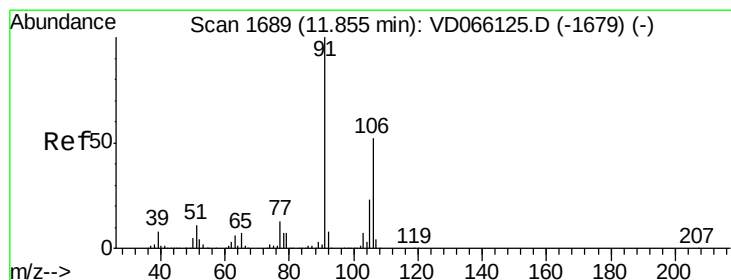
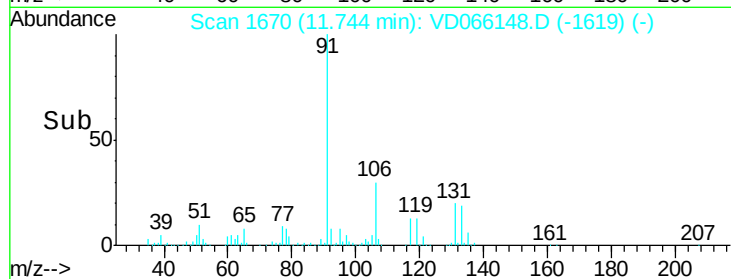
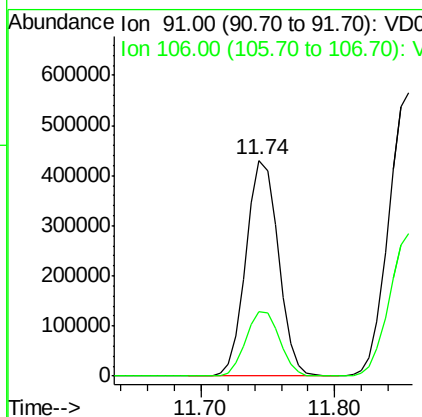
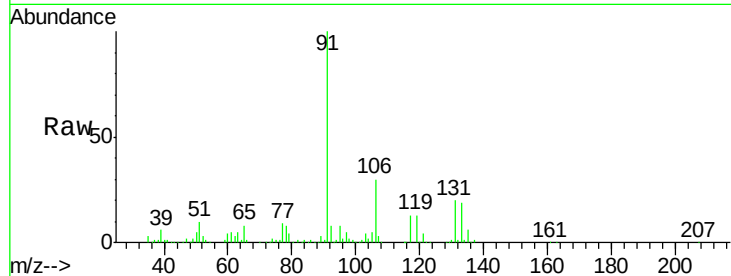
#67
Ethyl Benzene
Concen: 49.301 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 723502
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5

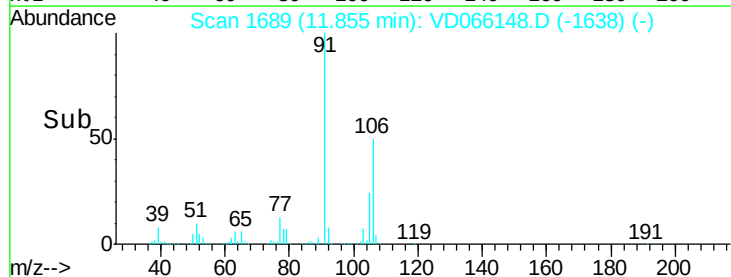
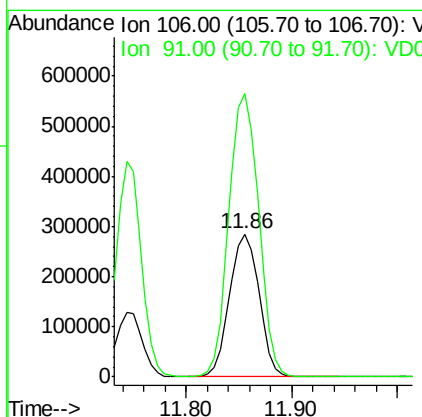
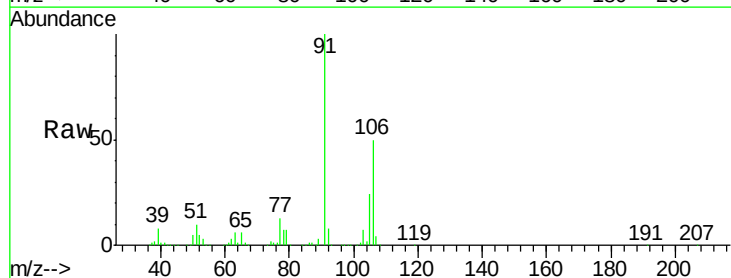
Manual Integrations
APPROVED

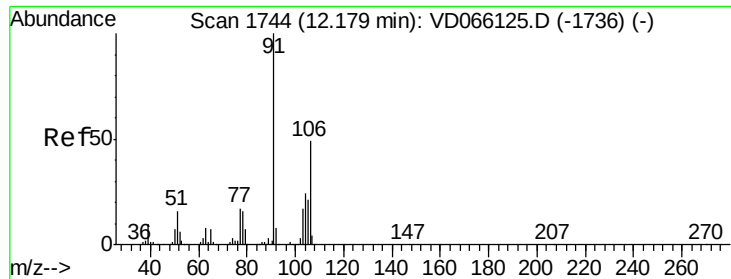
MMDadoda
8/10/2020 12:24:08 PM



#68
m/p-Xylenes
Concen: 96.627 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion: 106 Resp: 549396
Ion Ratio Lower Upper
106 100
91 201.1 156.6 235.0





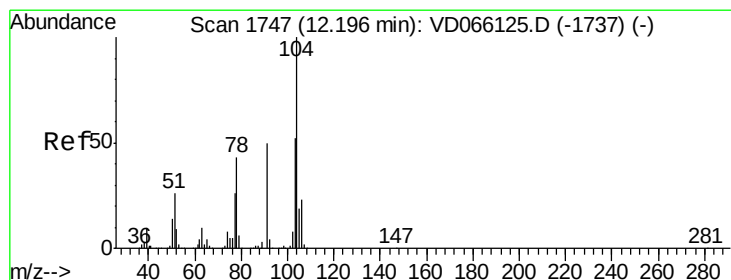
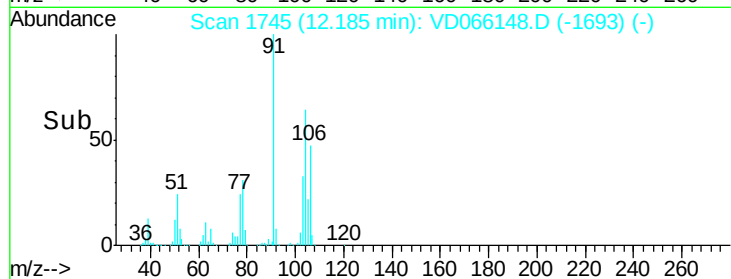
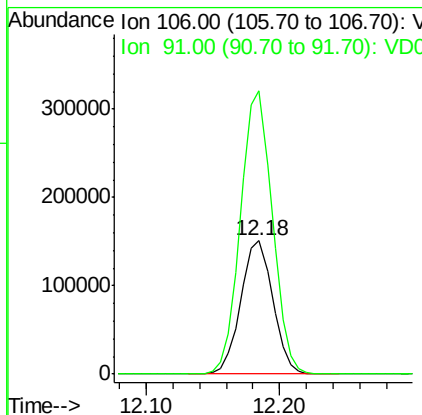
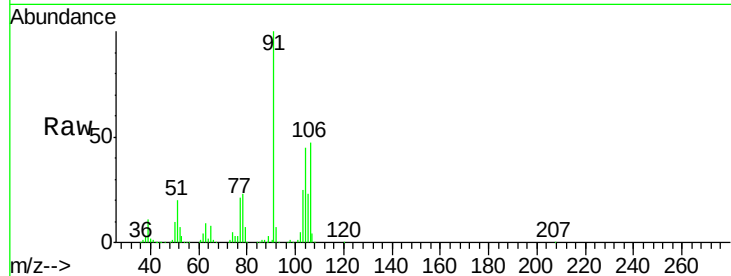
#69
o-Xylene
Concen: 48.551 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
251114	106	100			
	91	210.6	105.7	317.1	

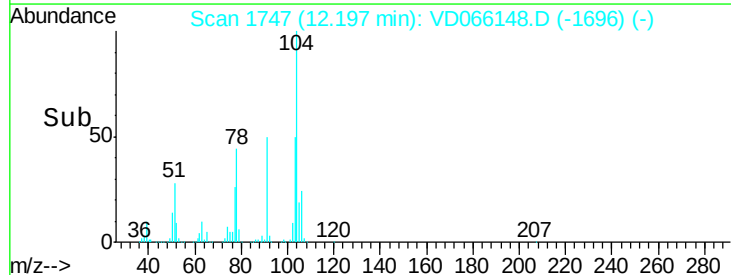
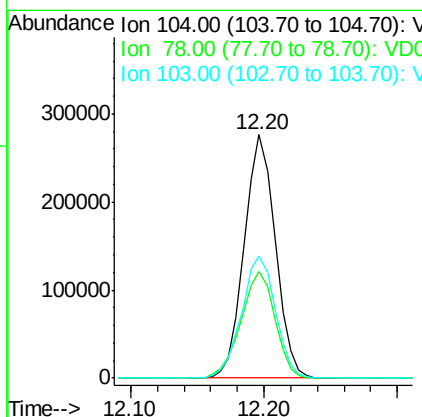
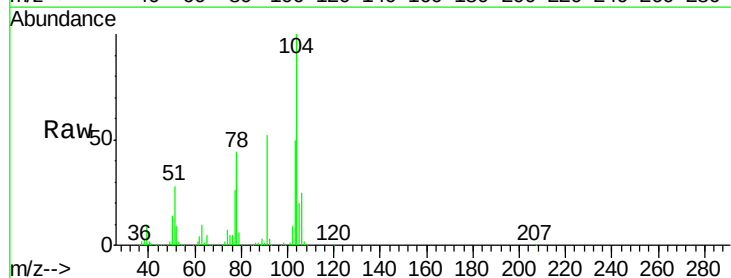
Manual Integrations
APPROVED

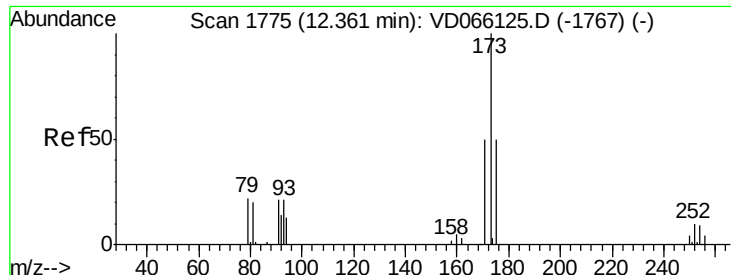
MMDadoda
8/10/2020 12:24:08 PM



#70
Styrene
Concen: 48.944 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
443646	104	100			
	78	48.1	38.6	58.0	
	103	54.9	44.1	66.1	





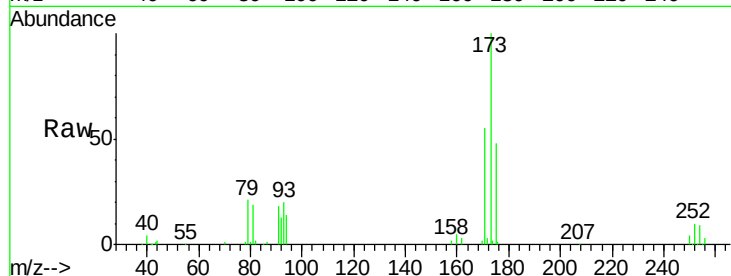
#71
Bromoform
Concen: 45.239 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

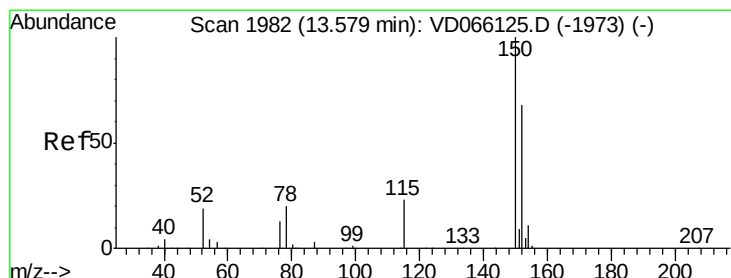
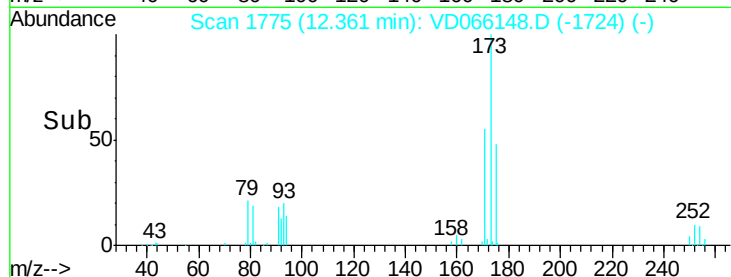
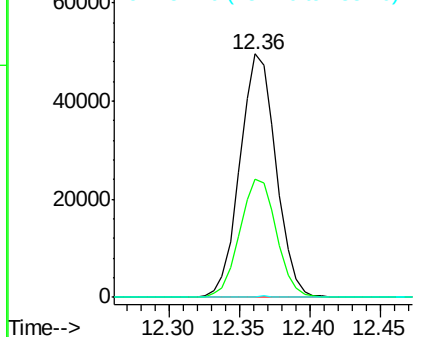
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM

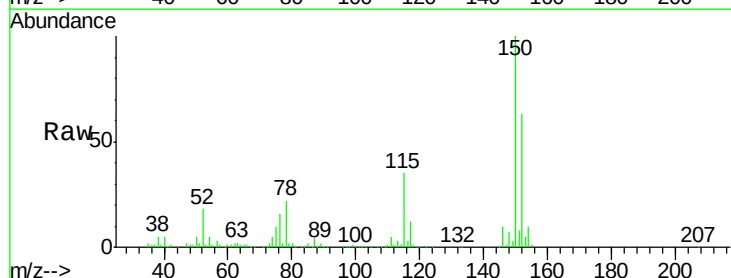


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

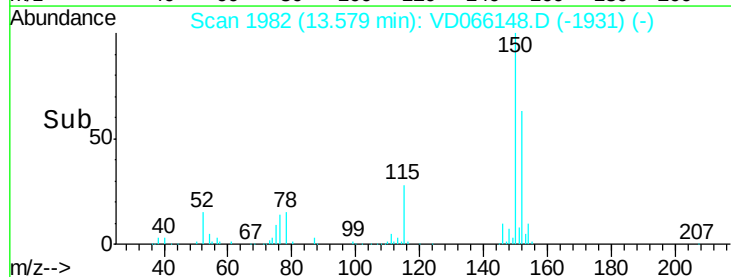
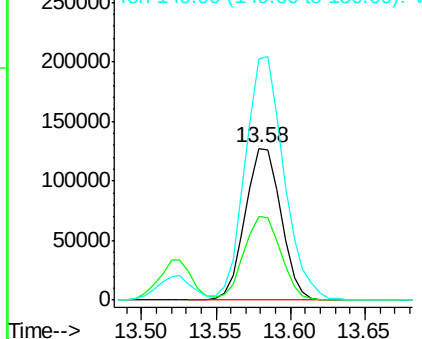


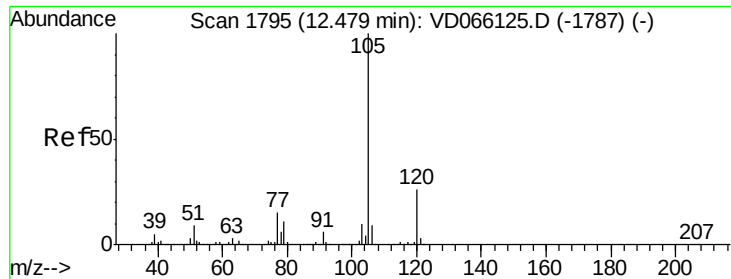
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	83.9
150	172.8	0.0	346.4



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





#73

Isopropylbenzene

Concen: 50.065 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 707874

Ion Ratio Lower Upper

105 100

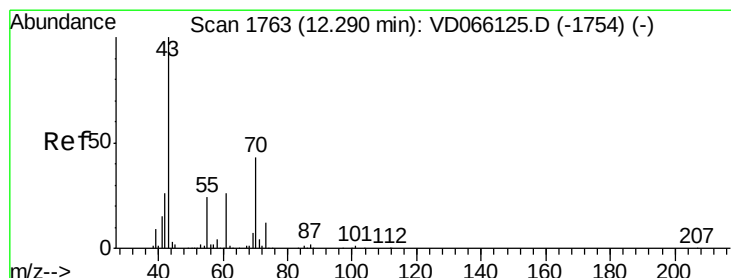
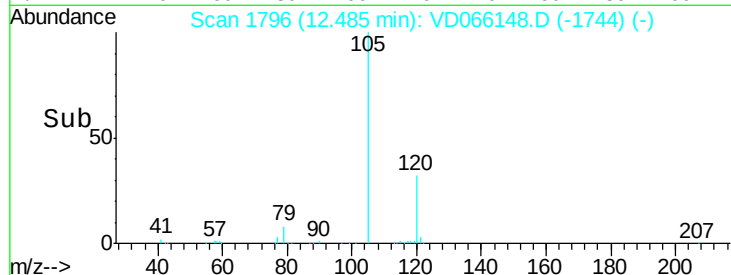
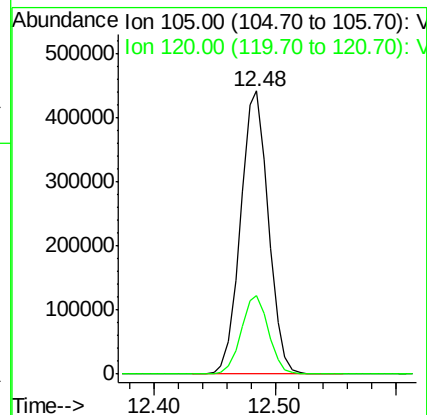
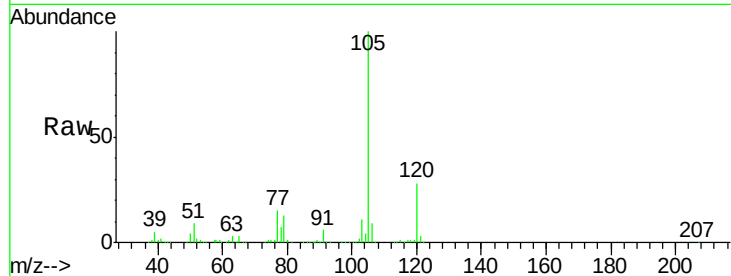
120 27.2 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

8/10/2020 12:24:08 PM



#74

N-ethyl acetate

Concen: 46.731 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Tgt Ion: 43 Resp: 145498

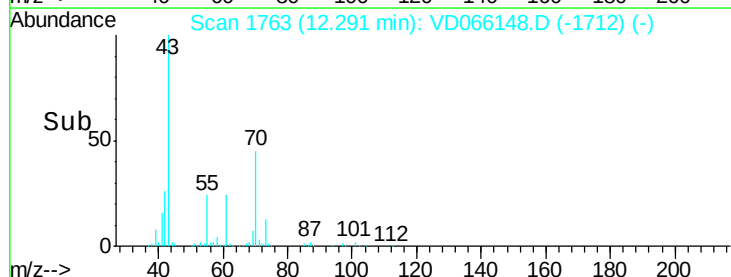
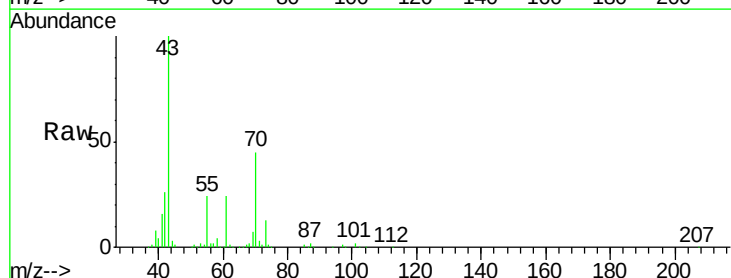
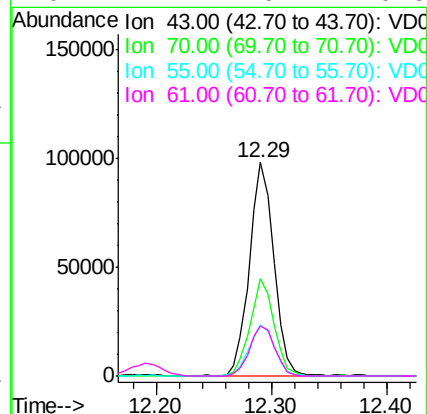
Ion Ratio Lower Upper

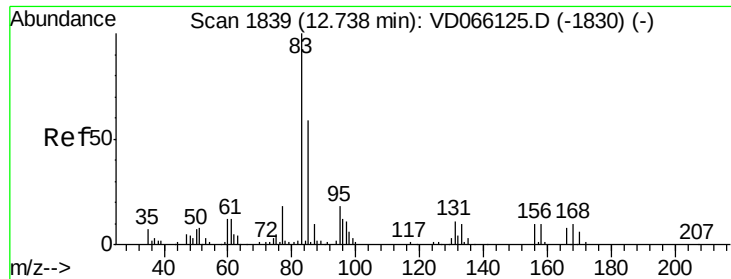
43 100

70 44.0 34.9 52.3

55 24.7 19.2 28.8

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.790 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 110397
Ion Ratio Lower Upper

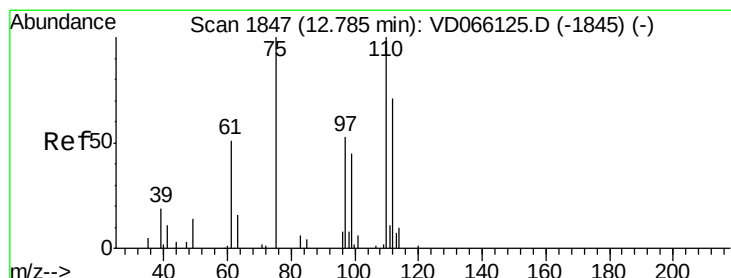
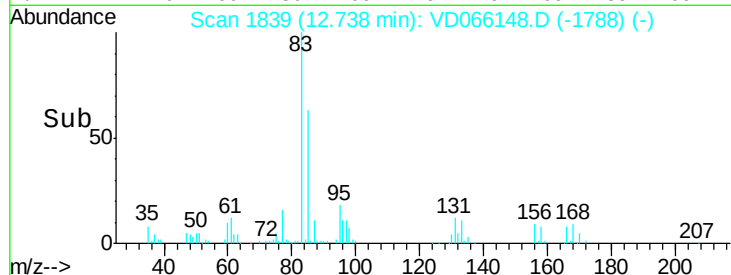
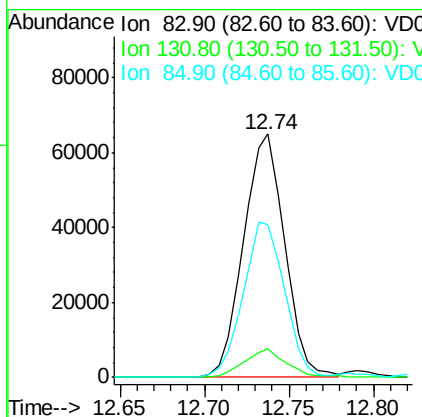
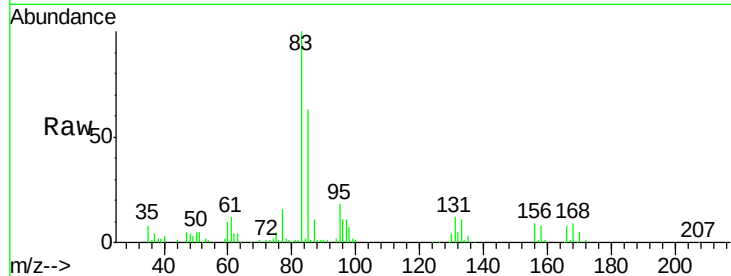
83 100

131 11.9 6.2 18.6

85 64.0 32.4 97.2

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#76

1,2,3-Trichloropropane

Concen: 47.103 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

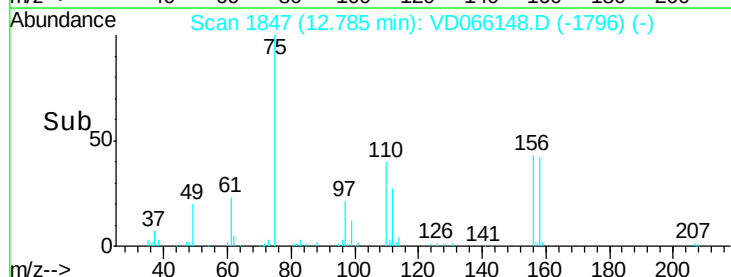
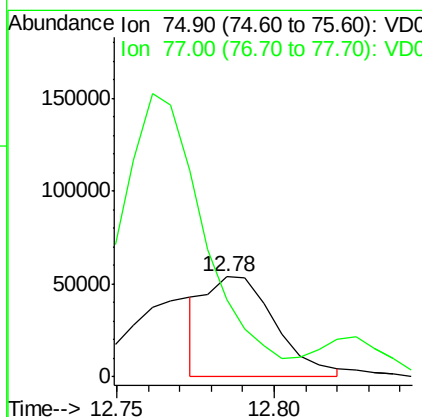
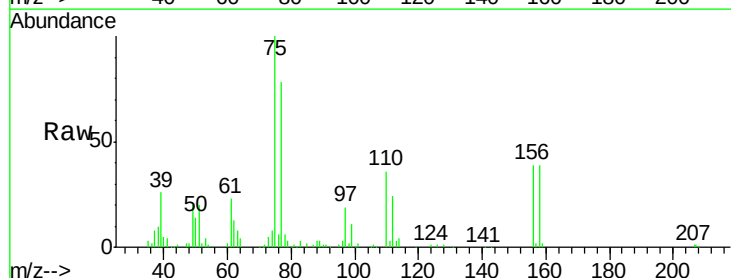
Lab File: VD066148.D

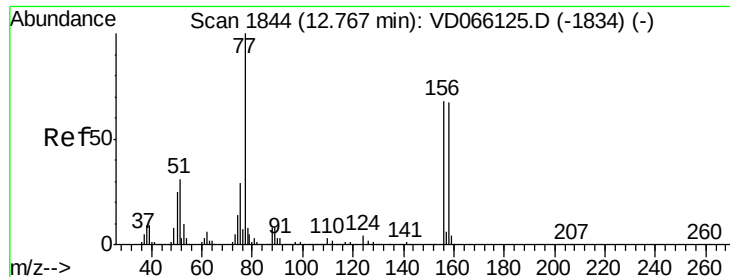
Acq: 07 Aug 2020 10:05

Tgt Ion: 75 Resp: 83201
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.780 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 173903

Ion Ratio Lower Upper

156 100

77 163.1 81.0 243.1

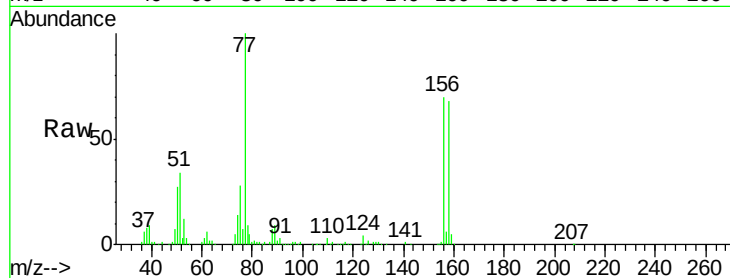
158 96.7 48.8 146.3

Manual Integrations

APPROVED

MMDadoda

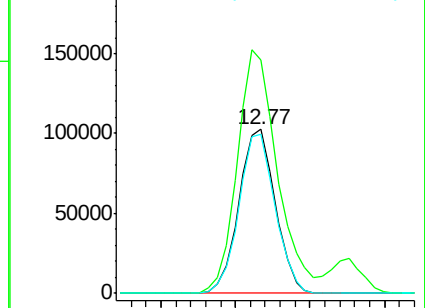
8/10/2020 12:24:08 PM



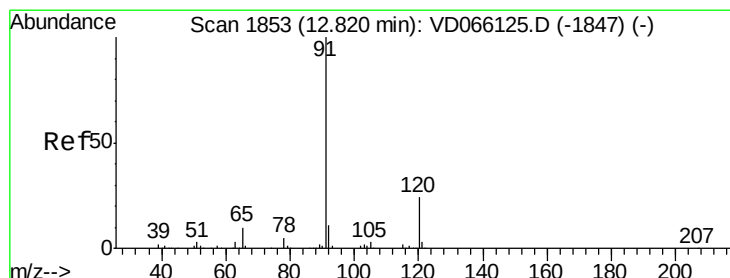
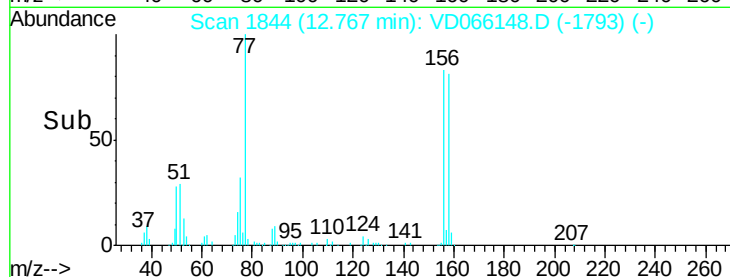
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 50.191 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066148.D

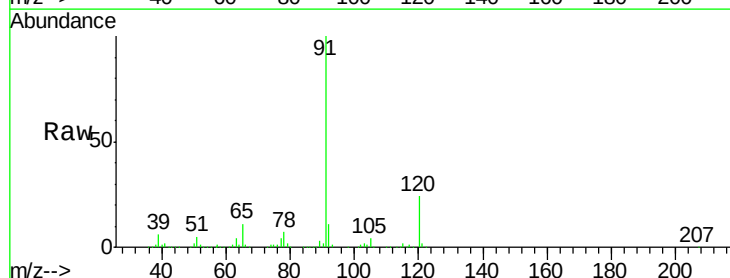
Acq: 07 Aug 2020 10:05

Tgt Ion: 91 Resp: 824923

Ion Ratio Lower Upper

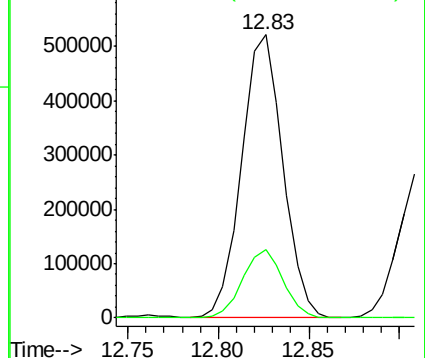
91 100

120 23.8 12.0 36.0

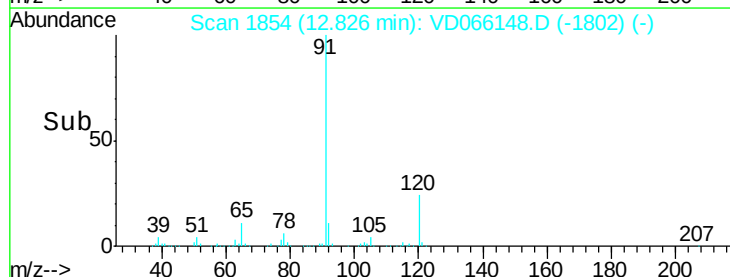


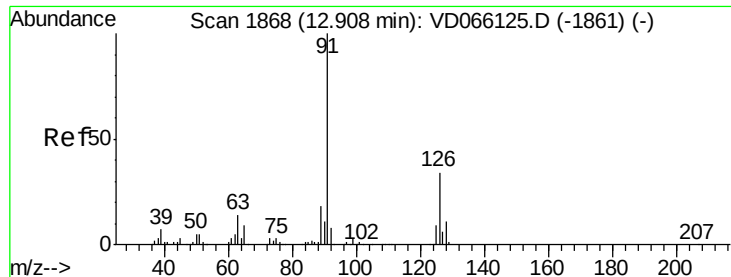
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 48.610 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 456935

Ion Ratio Lower Upper

91 100

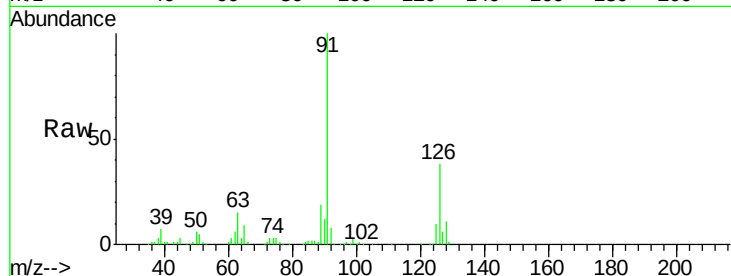
126 37.0 17.5 52.6

Manual Integrations

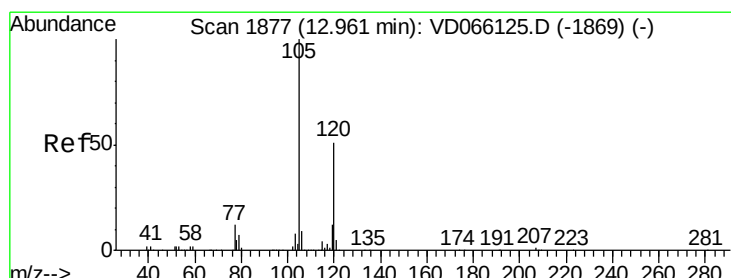
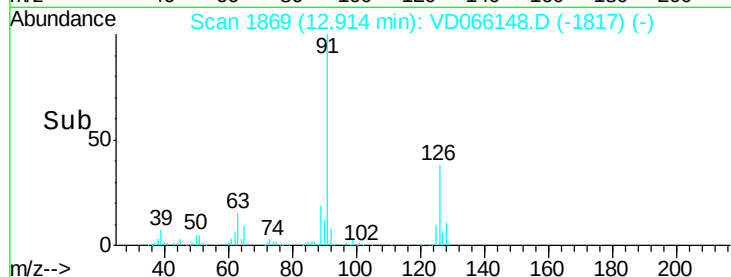
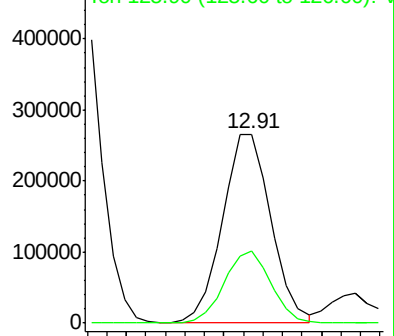
APPROVED

MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.900 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD066148.D

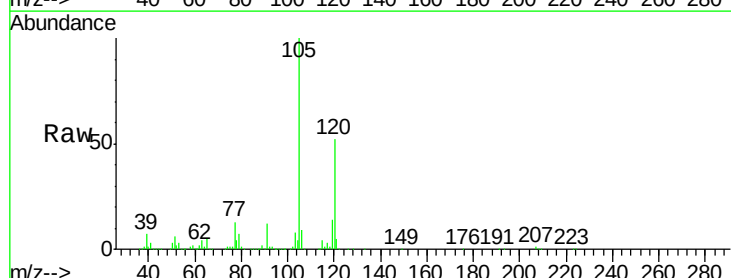
Acq: 07 Aug 2020 10:05

Tgt Ion: 105 Resp: 590047

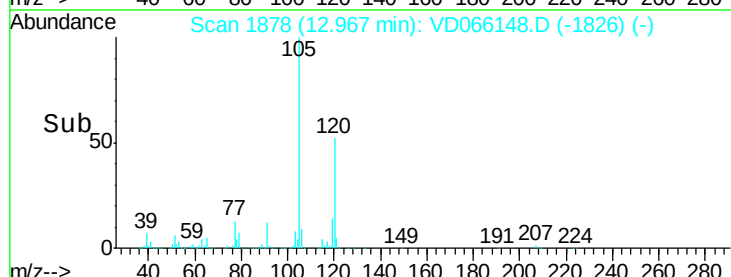
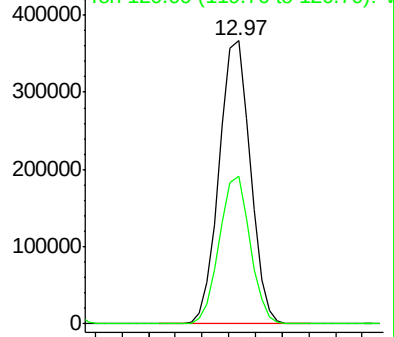
Ion Ratio Lower Upper

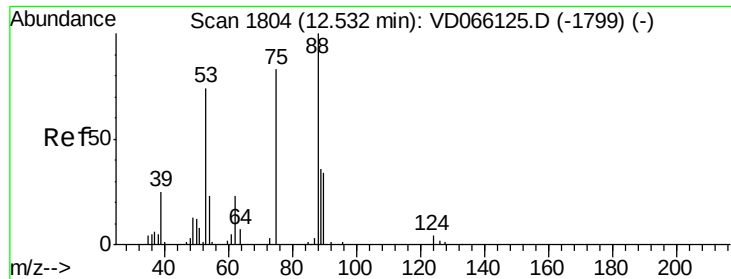
105 100

120 51.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066125.D (-1869) (-)





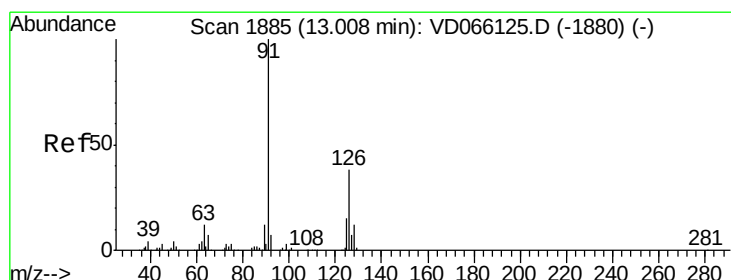
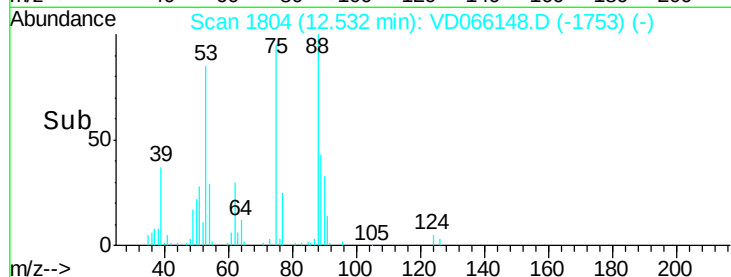
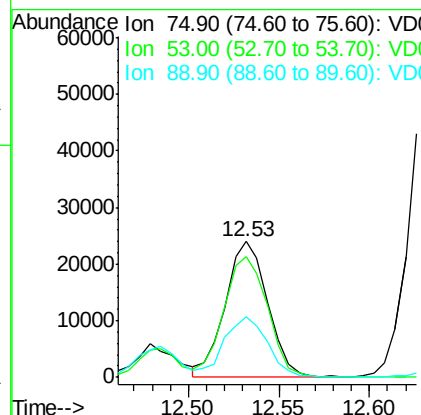
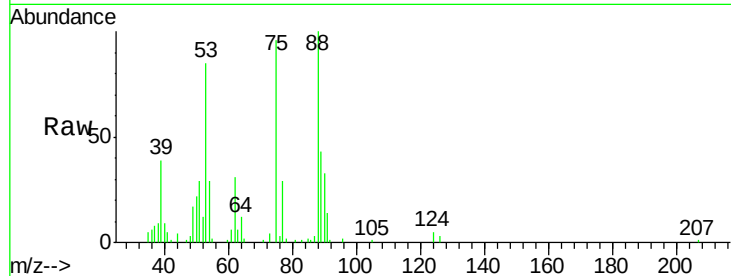
#81
trans-1,4-Dichloro-2-butene
Concen: 48.810 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	73.4	110.2
89	46.1	36.6	55.0

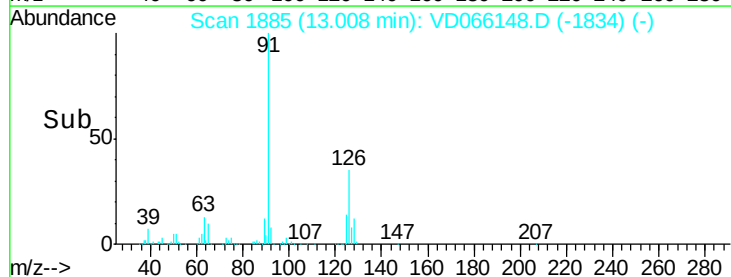
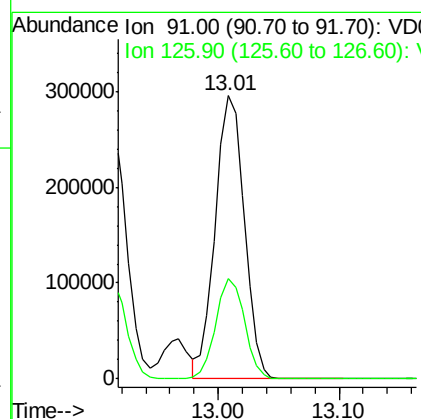
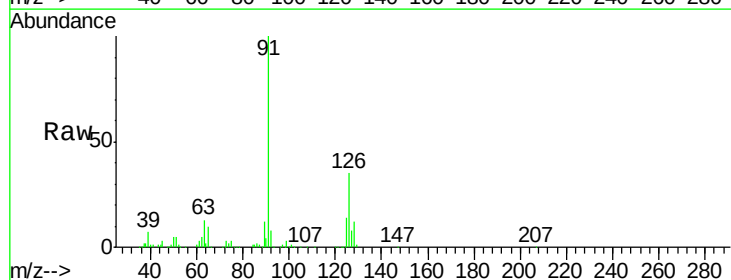
Manual Integrations
APPROVED

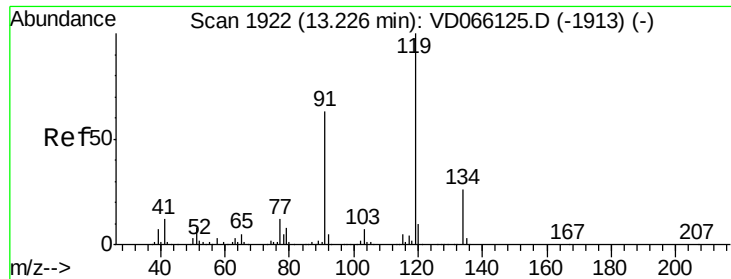
MMDadoda
8/10/2020 12:24:08 PM



#82
4-Chlorotoluene
Concen: 49.437 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3





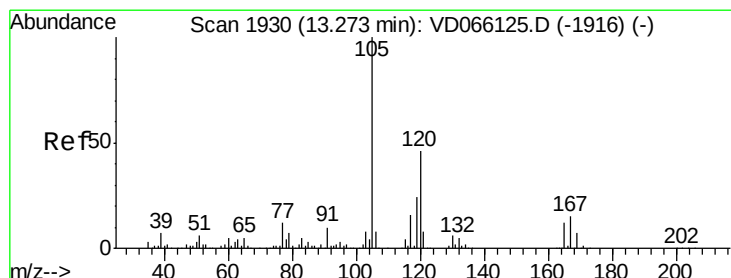
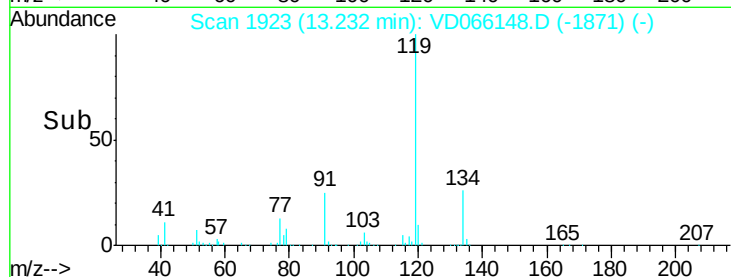
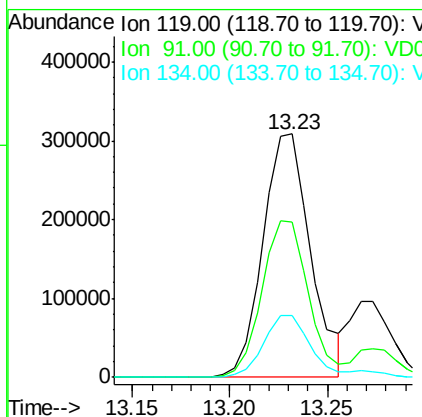
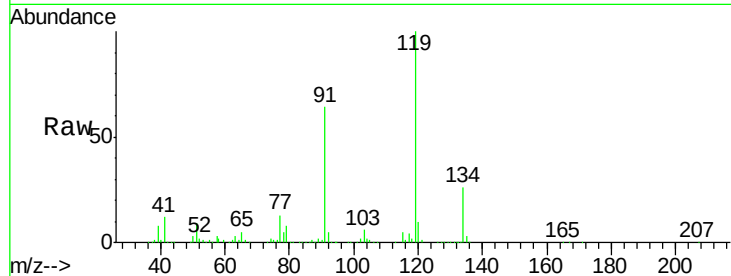
#83
 tert-Butylbenzene
 Concen: 50.374 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	523844		
91	62.3		30.8	92.4
134	26.5		13.6	40.8

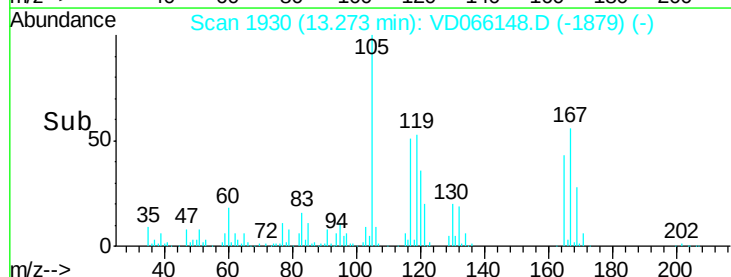
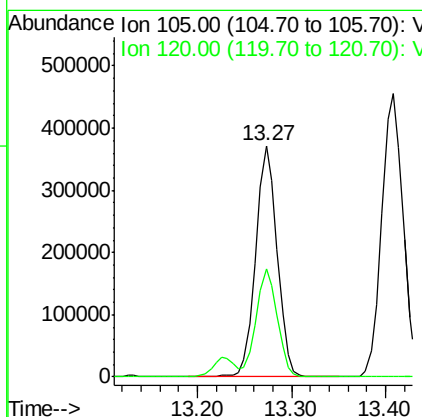
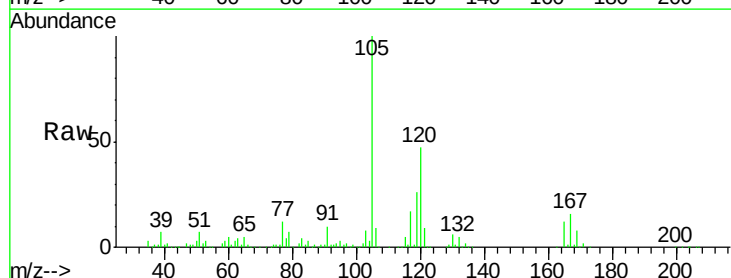
Manual Integrations
 APPROVED

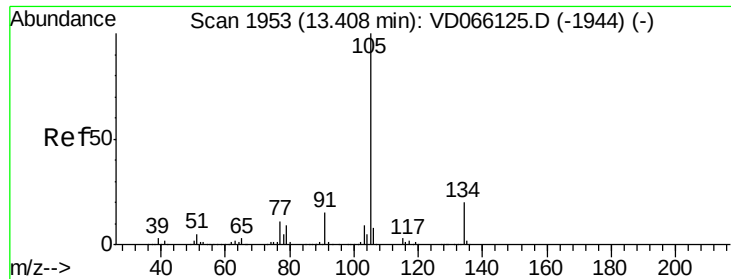
MMDadoda
 8/10/2020 12:24:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.620 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	587182		
120	46.1		23.1	69.2





#85

sec-Butylbenzene

Concen: 50.917 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 714869

Ion Ratio Lower Upper

105 100

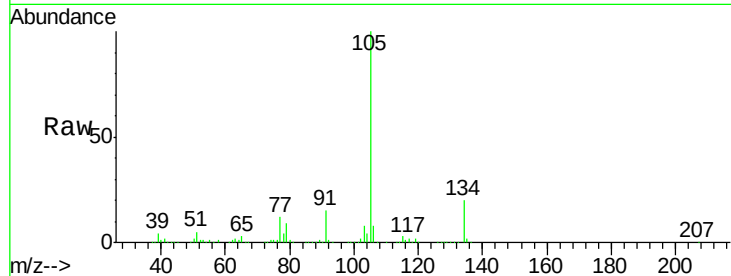
134 21.0 10.4 31.4

Manual Integrations

APPROVED

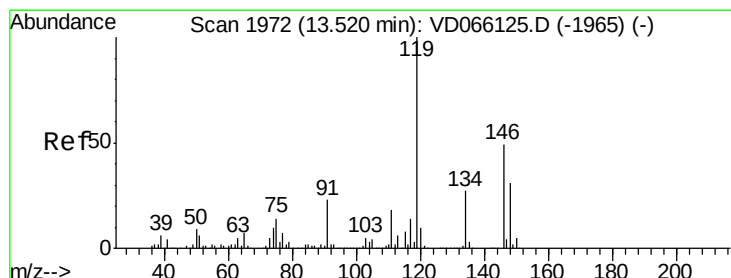
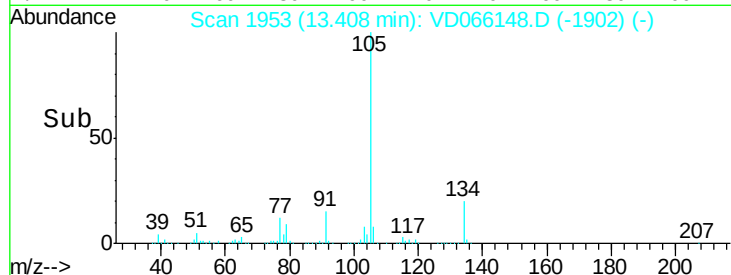
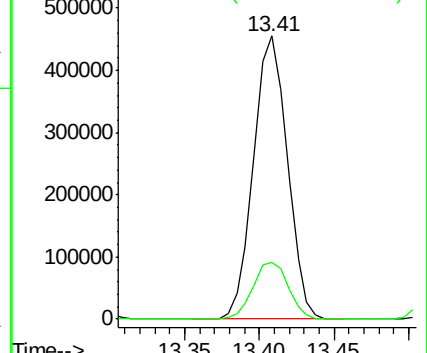
MMDadoda

8/10/2020 12:24:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.941 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066148.D

Acq: 07 Aug 2020 10:05

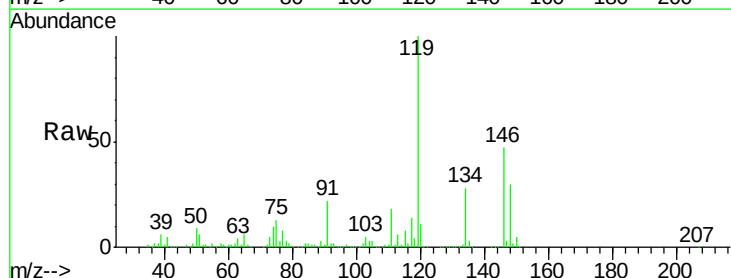
Tgt Ion:119 Resp: 657636

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

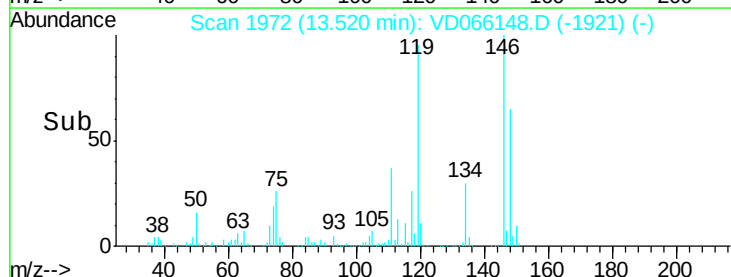
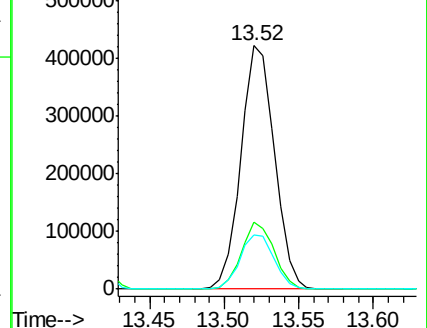
91 22.7 11.2 33.5

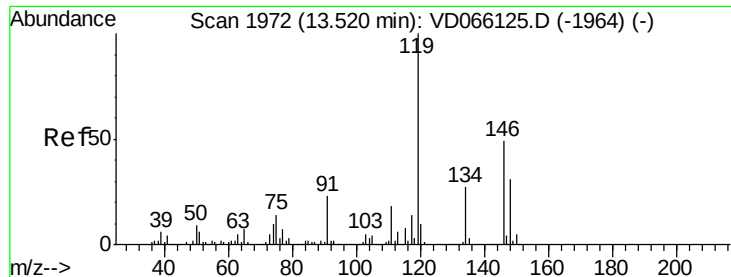


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





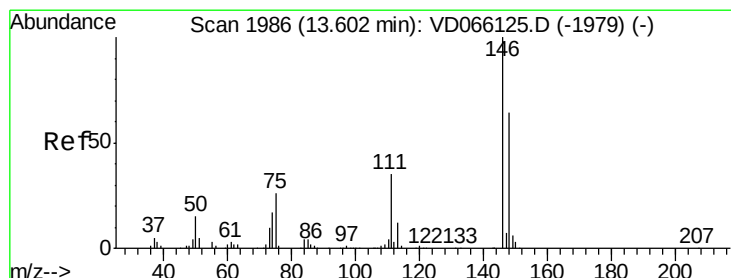
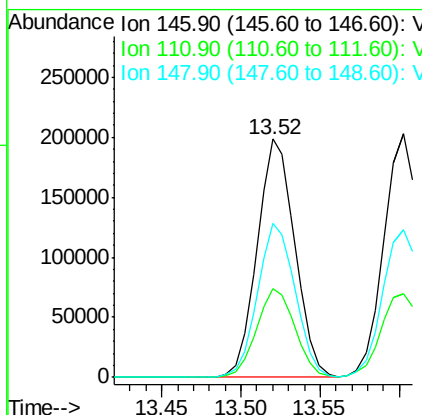
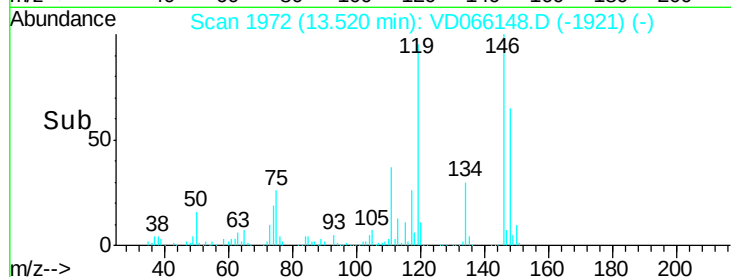
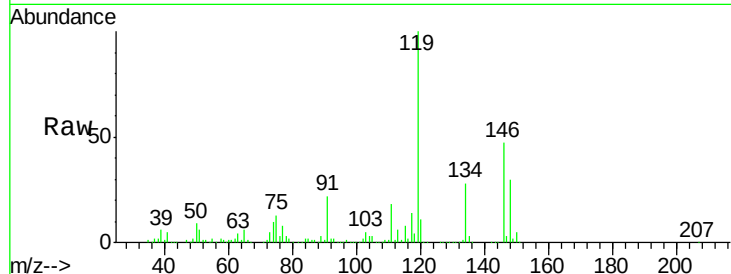
#87
 1,3-Dichlorobenzene
 Concen: 47.957 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	328052		
111	38.0	18.9	56.9	
148	64.5	31.8	95.3	

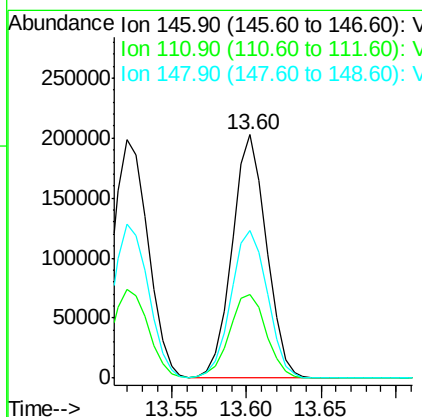
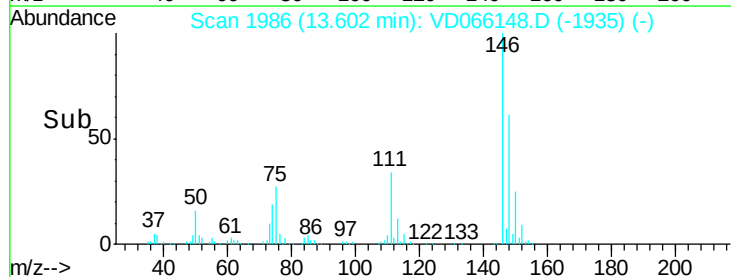
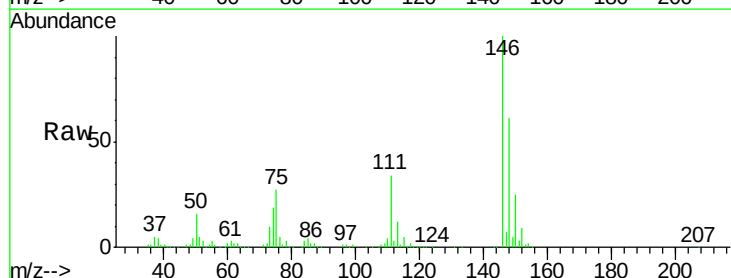
Manual Integrations
 APPROVED

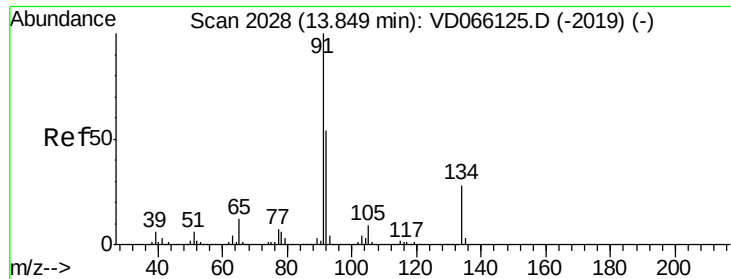
MMDadoda
 8/10/2020 12:24:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.717 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	325528		
111	36.9	18.6	55.8	
148	64.4	32.4	97.0	





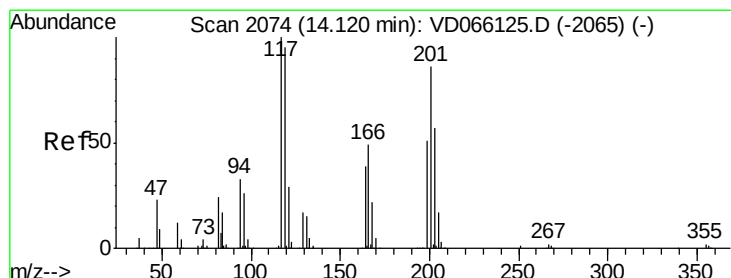
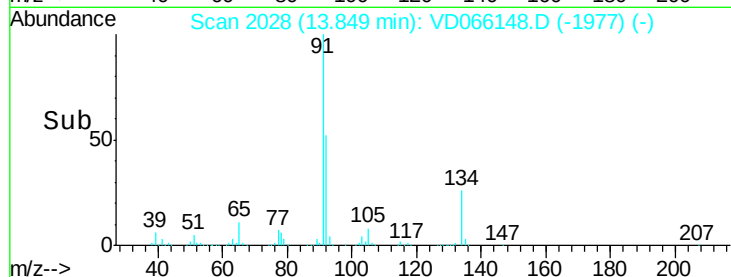
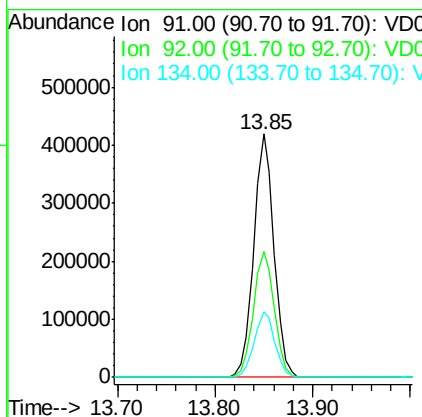
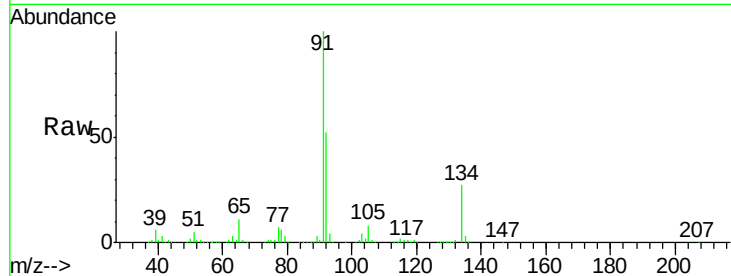
#89
n-Butylbenzene
Concen: 51.944 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.8	80.3	
134	27.4	14.0	41.9	

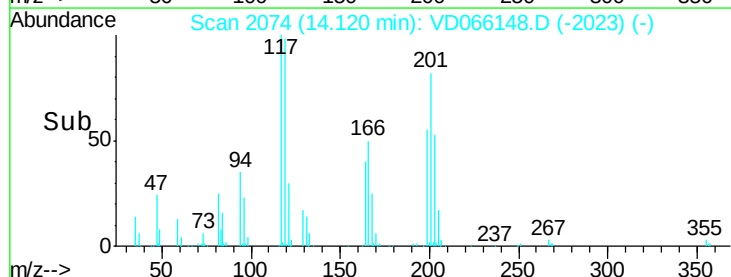
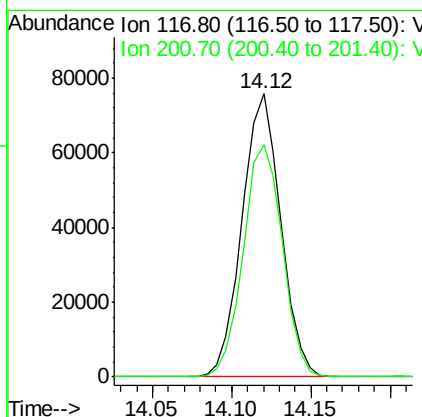
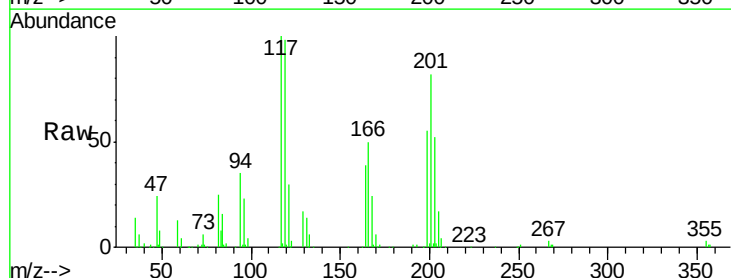
Manual Integrations
APPROVED

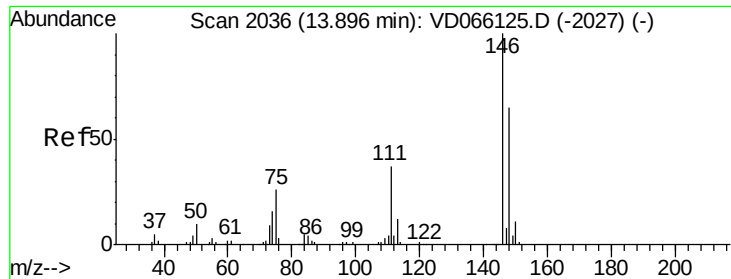
MMDadoda
8/10/2020 12:24:08 PM



#90
Hexachloroethane
Concen: 48.925 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.8	42.7	128.1	





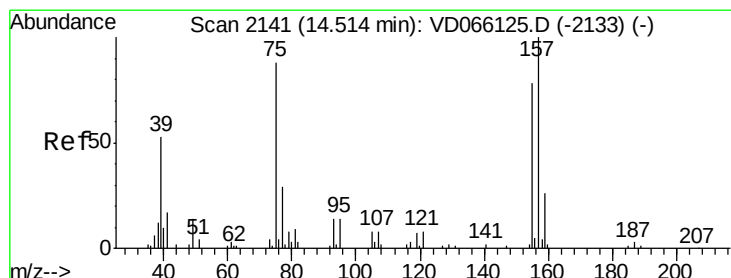
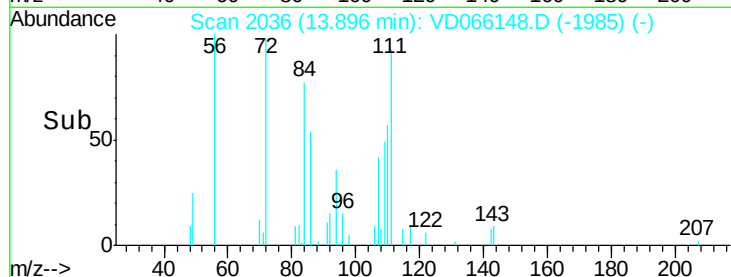
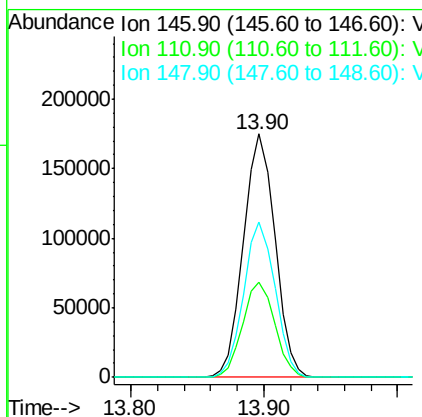
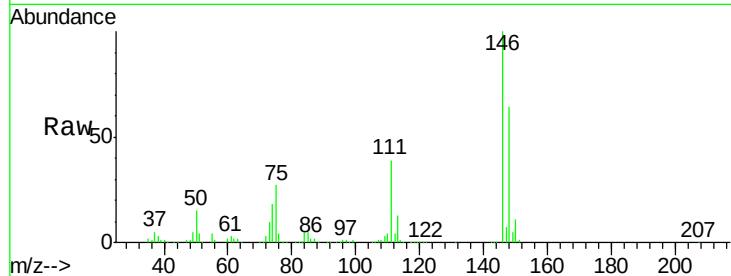
#91
 1,2-Dichlorobenzene
 Concen: 47.364 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286537		
111	39.8		18.8	56.3
148	63.3		31.9	95.5

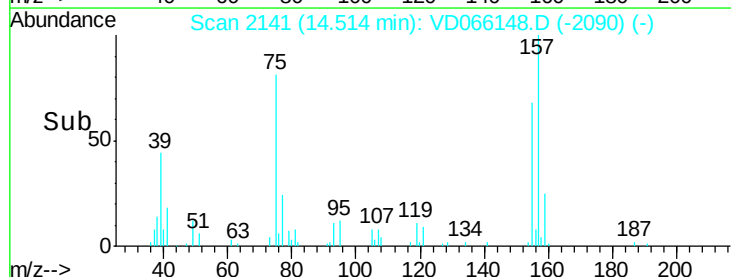
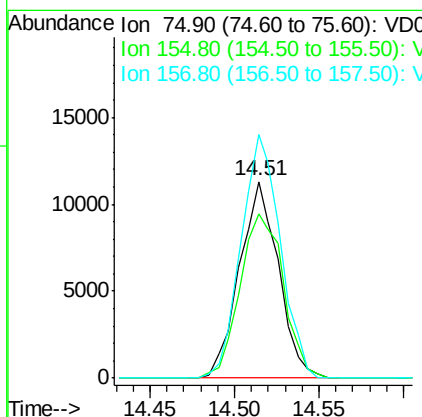
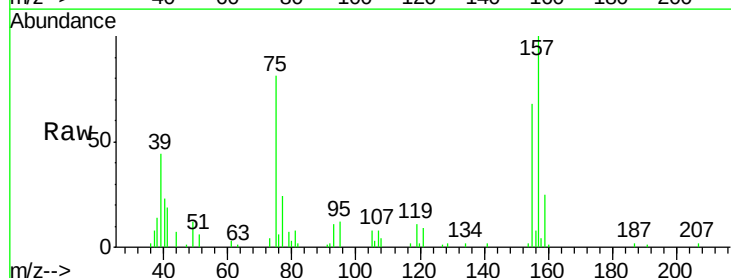
Manual Integrations
 APPROVED

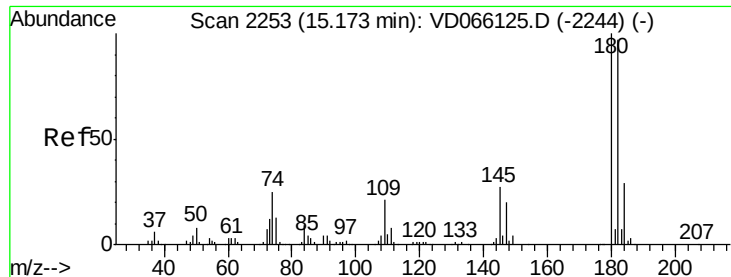
MMDadoda
 8/10/2020 12:24:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.710 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18112		
155	93.1		47.7	143.1
157	124.8		62.1	186.2





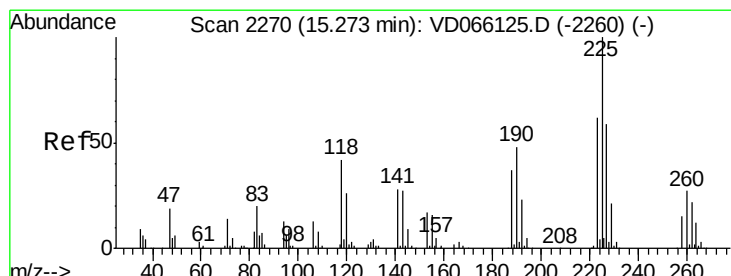
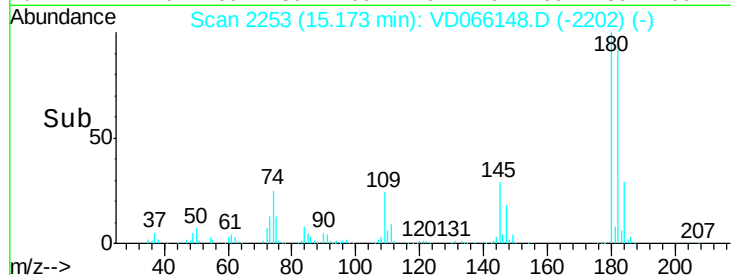
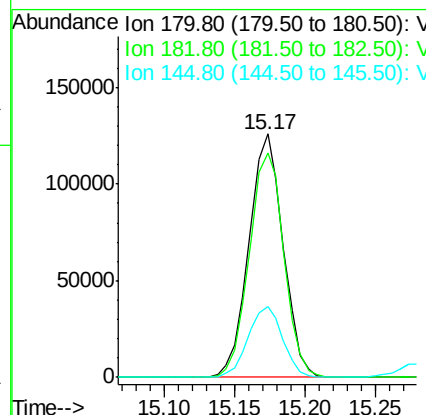
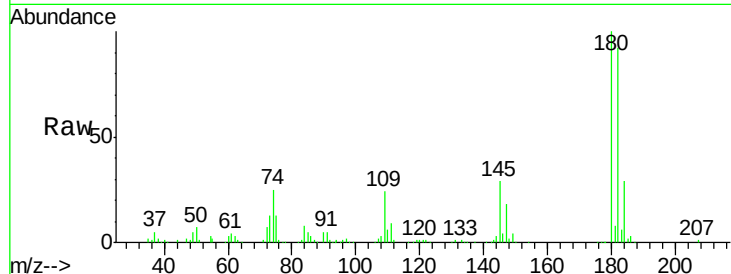
#93
 1,2,4-Trichlorobenzene
 Concen: 47.962 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213828		
182	93.7	47.4	142.2	
145	29.5	14.5	43.6	

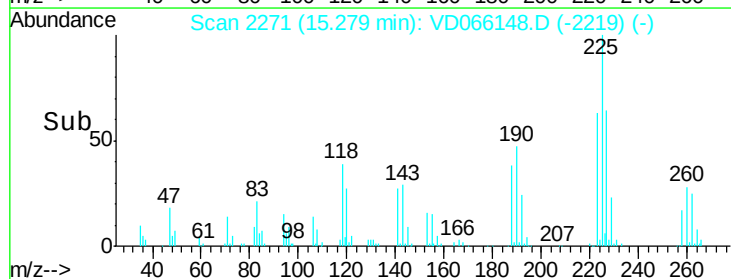
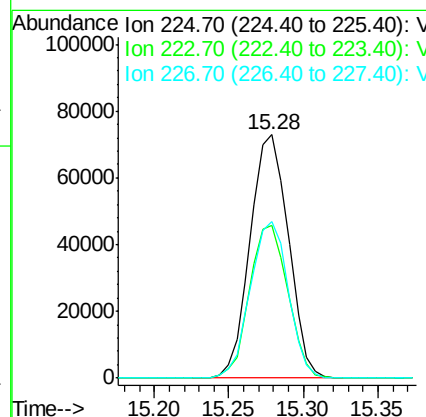
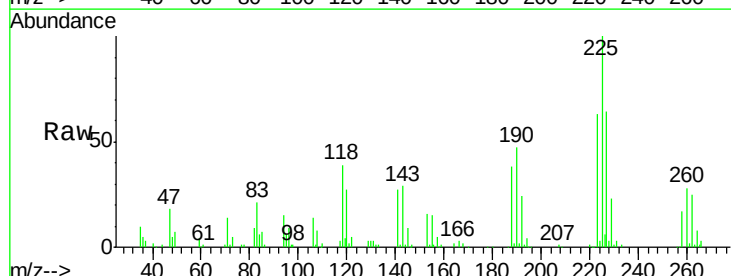
Manual Integrations
 APPROVED

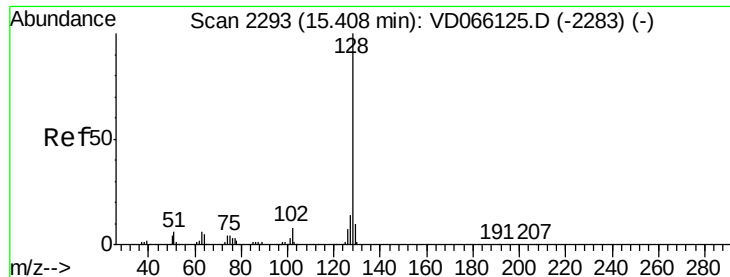
MMDadoda
 8/10/2020 12:24:08 PM



#94
 Hexachlorobutadiene
 Concen: 49.264 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066148.D
 Acq: 07 Aug 2020 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129333		
223	62.9	32.3	96.9	
227	63.7	32.1	96.5	





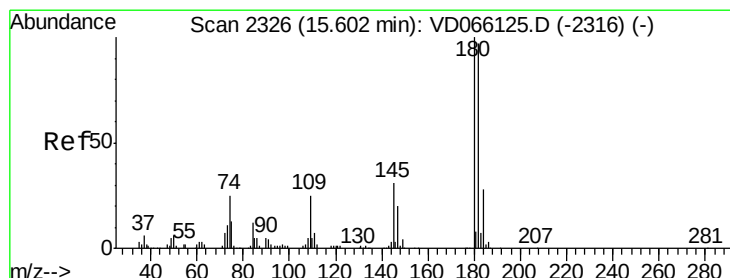
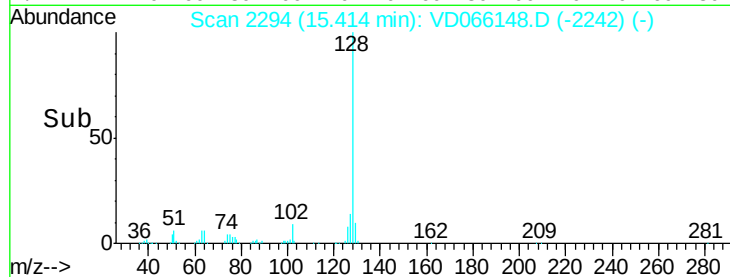
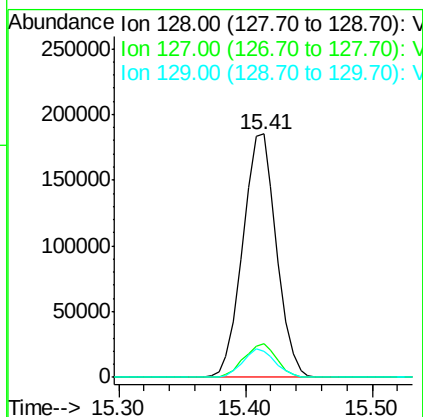
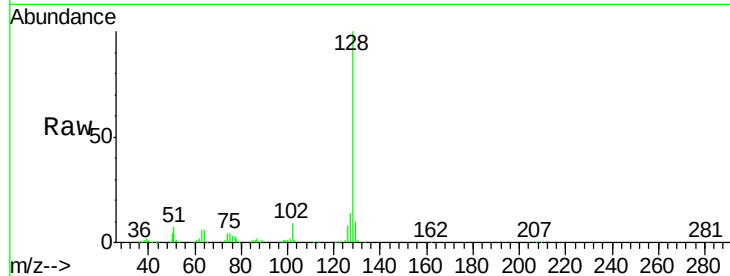
#95
Naphthalene
Concen: 46.992 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	341362
Ion Ratio	Lower	Upper	
128	100		
127	13.6	11.0	16.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/10/2020 12:24:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.335 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066148.D
Acq: 07 Aug 2020 10:05

Tgt Ion:	180	Resp:	182357
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.1	141.4
145	30.5	14.9	44.9

