

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065608.D
 Acq On : 09 Apr 2020 11:35
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:41 PM

Quant Time: Apr 10 01:24:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	470185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	656786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	86174	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	
35) Dibromofluoromethane	7.92	113	90483	19.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.44%	
50) Toluene-d8	10.34	98	334581	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
62) 4-Bromofluorobenzene	12.64	95	104789	19.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	81360	19.189	ug/l	100
3) Chloromethane	2.21	50	105027	19.920	ug/l	98
4) Vinyl Chloride	2.35	62	97866	19.853	ug/l	98
5) Bromomethane	2.76	94	67193	19.327	ug/l	96
6) Chloroethane	2.92	64	59525	19.608	ug/l	98
7) Trichlorofluoromethane	3.27	101	146047	19.533	ug/l	98
8) Diethyl Ether	3.71	74	31722	20.535	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96387	19.721	ug/l	99
10) Methyl Iodide	4.29	142	91773	19.081	ug/l	99
11) Tert butyl alcohol	5.25	59	21248	93.812	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	88519	19.636	ug/l	97
13) Acrolein	3.93	56	33013	105.945	ug/l	98
14) Allyl chloride	4.71	41	129675	19.392	ug/l	100
15) Acrylonitrile	5.44	53	89068	97.772	ug/l	98
16) Acetone	4.16	43	75746	94.331	ug/l	92
17) Carbon Disulfide	4.40	76	294189	19.613	ug/l	98
18) Methyl Acetate	4.72	43	47570	20.183	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	170484	19.563	ug/l	98
20) Methylene Chloride	4.96	84	101359	19.095	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	100260	19.596	ug/l	95
22) Diisopropyl ether	6.37	45	266767	20.754	ug/l	97
23) Vinyl Acetate	6.31	43	682509	103.337	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168137	19.662	ug/l	98
25) 2-Butanone	7.23	43	105645	96.121	ug/l	99
26) 2,2-Dichloropropane	7.21	77	149433	19.527	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	102544	19.584	ug/l	99
28) Bromochloromethane	7.55	49	68247	19.885	ug/l	99
29) Tetrahydrofuran	7.57	42	68677	99.436	ug/l	99
30) Chloroform	7.71	83	179392	20.035	ug/l	97
31) Cyclohexane	7.99	56	153435	19.342	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	160235	19.802	ug/l	98
36) 1,1-Dichloropropene	8.11	75	134688	19.919	ug/l	99
37) Ethyl Acetate	7.30	43	51464	20.498	ug/l	97
38) Carbon Tetrachloride	8.10	117	146291	19.925	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065608.D
 Acq On : 09 Apr 2020 11:35
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:41 PM

Quant Time: Apr 10 01:24:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150079	19.607	ug/l	95
40) Benzene	8.35	78	388438	20.106	ug/l	99
41) Methacrylonitrile	7.54	41	31482m	21.452	ug/l	
42) 1,2-Dichloroethane	8.43	62	108984	20.196	ug/l	99
43) Isopropyl Acetate	8.46	43	92597	20.215	ug/l	99
44) Trichloroethene	9.12	130	110218	19.850	ug/l	97
45) 1,2-Dichloropropane	9.39	63	94321	20.050	ug/l	98
46) Dibromomethane	9.48	93	51059	20.192	ug/l	100
47) Bromodichloromethane	9.67	83	133148	20.080	ug/l	97
48) Methyl methacrylate	9.46	41	42608	20.056	ug/l	99
49) 1,4-Dioxane	9.47	88	11498	429.353	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	239997	101.669	ug/l	98
52) Toluene	10.41	92	247266	20.242	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118701	20.169	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	145622	20.208	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72940	20.556	ug/l	97
56) Ethyl methacrylate	10.67	69	72340	20.213	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118463	20.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	187445	99.735	ug/l	99
59) 2-Hexanone	10.99	43	157894	100.647	ug/l	99
60) Dibromochloromethane	11.14	129	94489	19.994	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69452	20.590	ug/l	98
64) Tetrachloroethene	10.88	164	96936	19.466	ug/l	92
65) Chlorobenzene	11.67	112	267521	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101232	19.600	ug/l	98
67) Ethyl Benzene	11.75	91	445459	19.897	ug/l	99
68) m/p-Xylenes	11.86	106	358777	40.618	ug/l	97
69) o-Xylene	12.19	106	155725	20.460	ug/l	97
70) Styrene	12.20	104	277466	20.620	ug/l	100
71) Bromoform	12.37	173	57583	19.879	ug/l #	99
73) Isopropylbenzene	12.48	105	417025	20.245	ug/l	99
74) N-amyl acetate	12.30	43	81153	19.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	75465	19.929	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52003m	11.972	ug/l	
77) Bromobenzene	12.77	156	111919	19.818	ug/l	98
78) n-propylbenzene	12.83	91	510454	20.533	ug/l	99
79) 2-Chlorotoluene	12.91	91	287533	20.181	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	361030	20.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22810	20.377	ug/l	95
82) 4-Chlorotoluene	13.01	91	311928	20.340	ug/l	98
83) tert-Butylbenzene	13.23	119	293198	20.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	355704	20.617	ug/l	100
85) sec-Butylbenzene	13.41	105	420174	20.340	ug/l	99
86) p-Isopropyltoluene	13.53	119	390969	20.509	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	216280	19.860	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	216917	19.942	ug/l	99
89) n-Butylbenzene	13.86	91	337449	19.615	ug/l	99
90) Hexachloroethane	14.13	117	81892	19.692	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185681	20.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11138	19.069	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
Data File : VD065608.D
Acq On : 09 Apr 2020 11:35
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

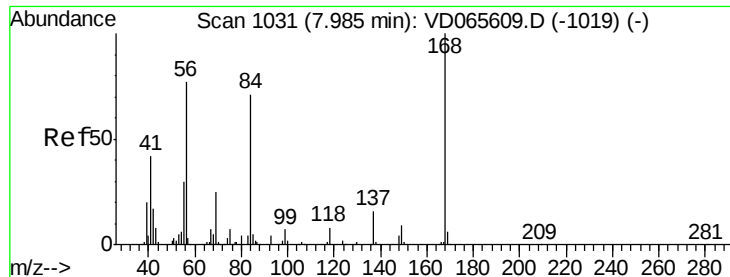
Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM

Quant Time: Apr 10 01:24:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:11:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	117963	19.384	ug/l	97
94) Hexachlorobutadiene	15.28	225	82505	19.504	ug/l	99
95) Naphthalene	15.42	128	166791	18.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104438	19.826	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 470185

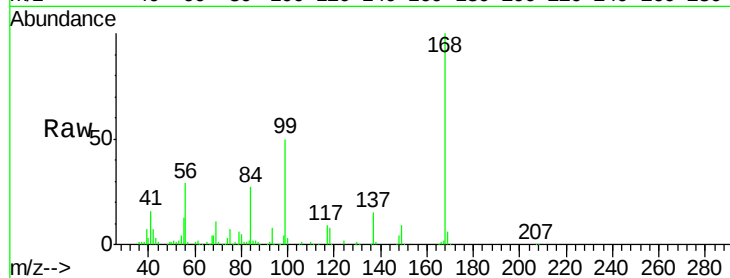
Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2

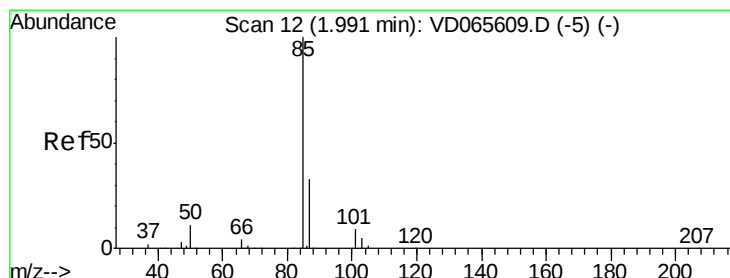
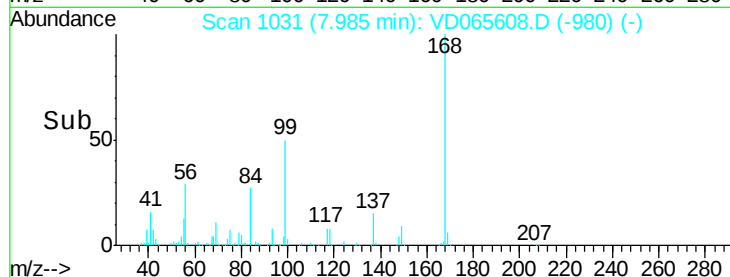
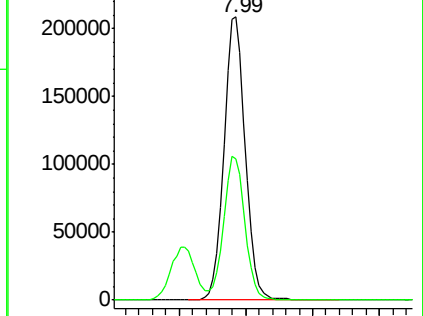
Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.189 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065608.D

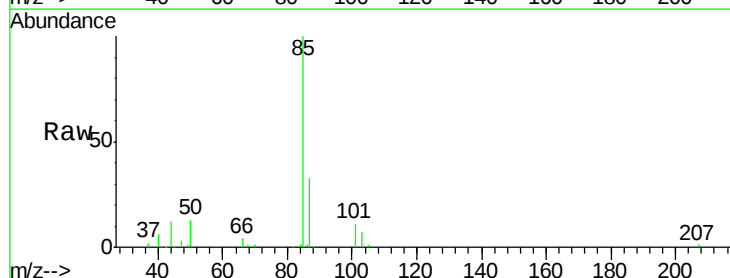
Acq: 09 Apr 2020 11:35

Tgt Ion: 85 Resp: 81360

Ion Ratio Lower Upper

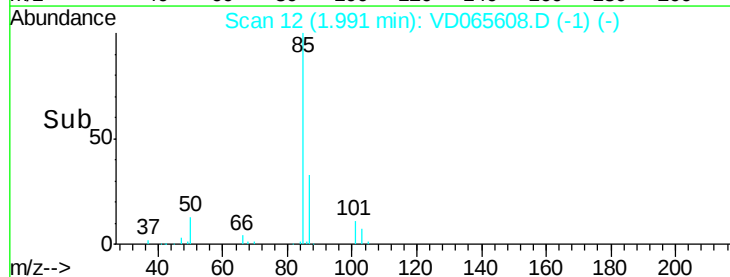
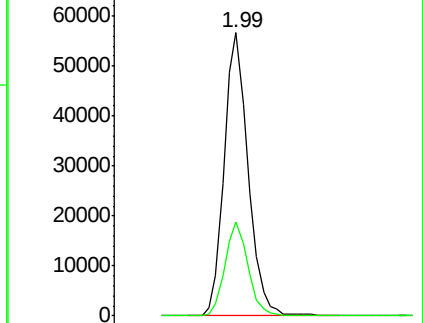
85 100

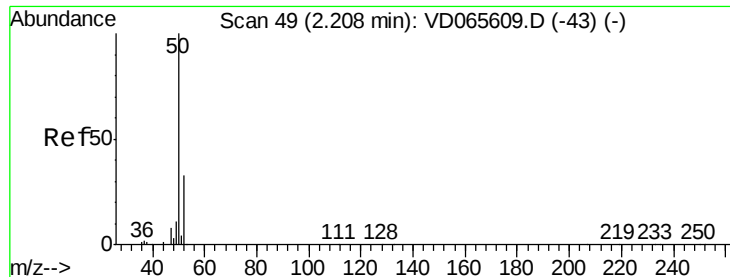
87 33.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.920 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 105027

Ion Ratio Lower Upper

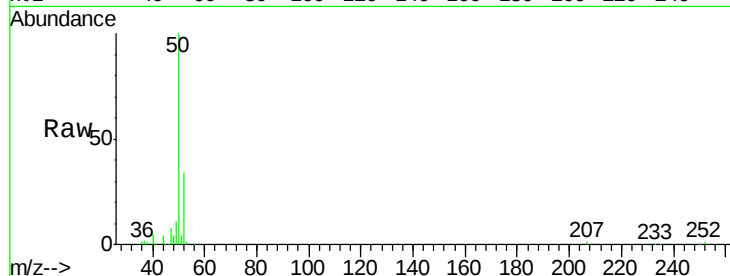
50 100

52 33.8 26.2 39.4

Manual Integrations
APPROVED

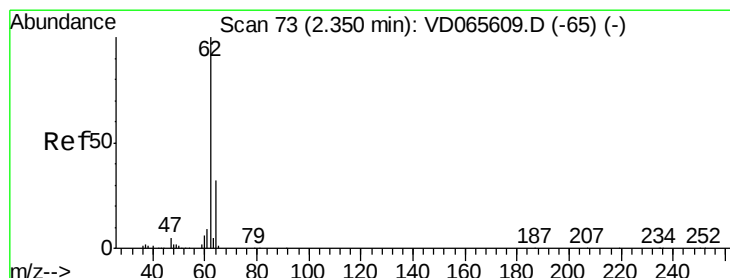
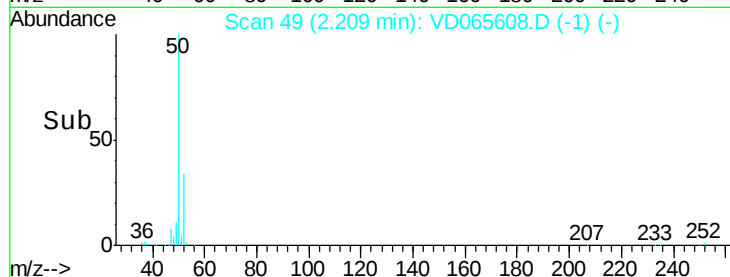
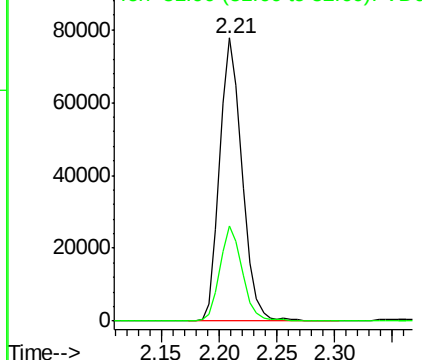
MMDadoda

4/10/2020 2:58:41 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.853 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065608.D

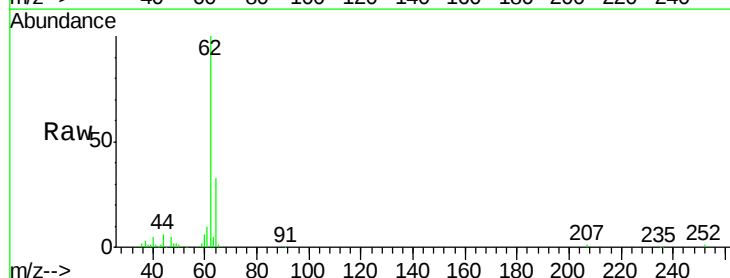
Acq: 09 Apr 2020 11:35

Tgt Ion: 62 Resp: 97866

Ion Ratio Lower Upper

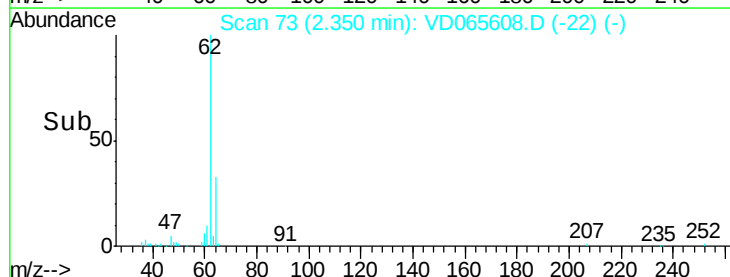
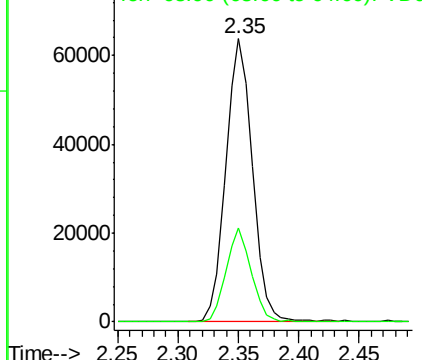
62 100

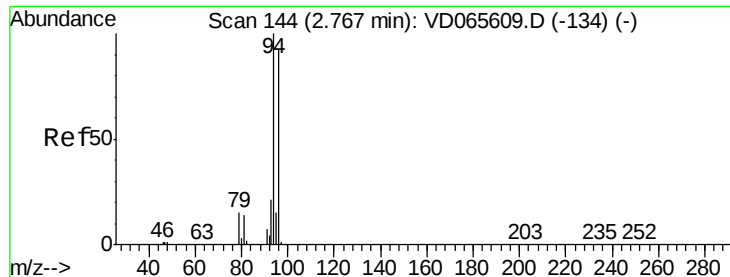
64 33.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.327 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 67193

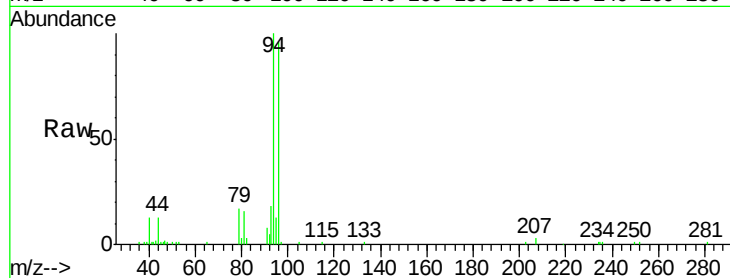
Ion Ratio Lower Upper

94 100

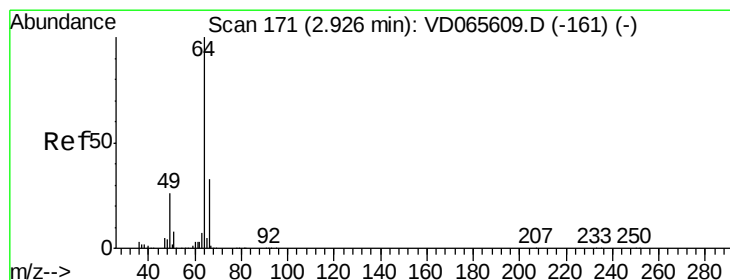
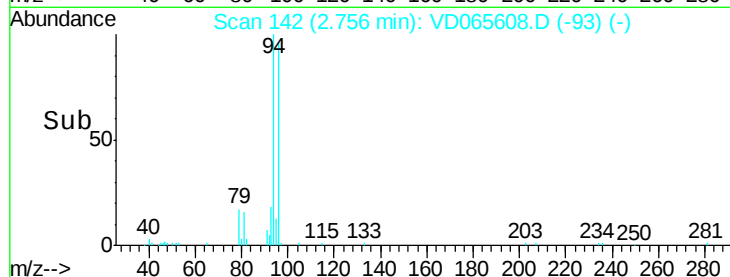
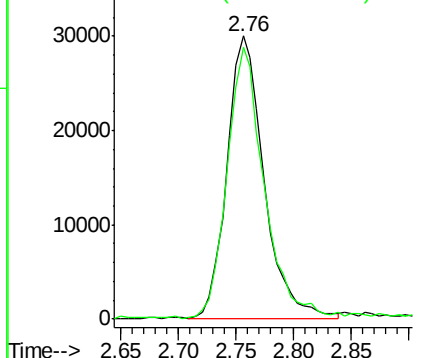
96 95.3 73.3 109.9

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.608 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065608.D

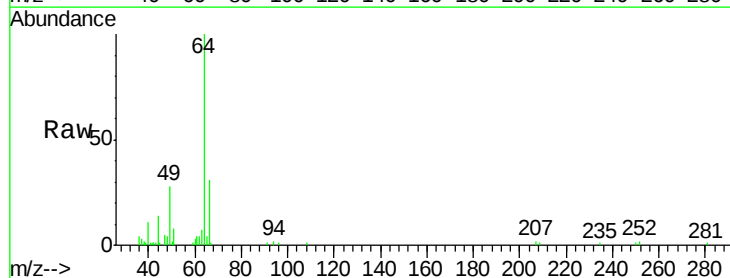
Acq: 09 Apr 2020 11:35

Tgt Ion: 64 Resp: 59525

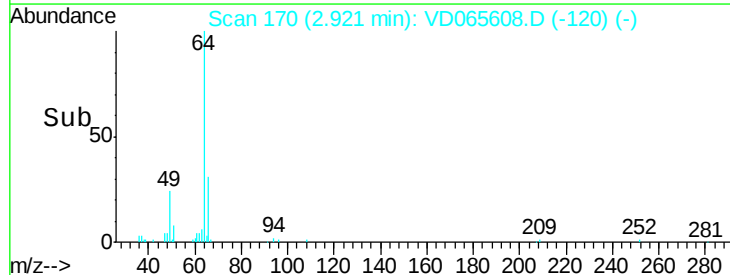
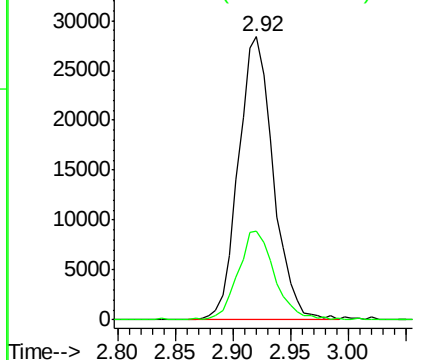
Ion Ratio Lower Upper

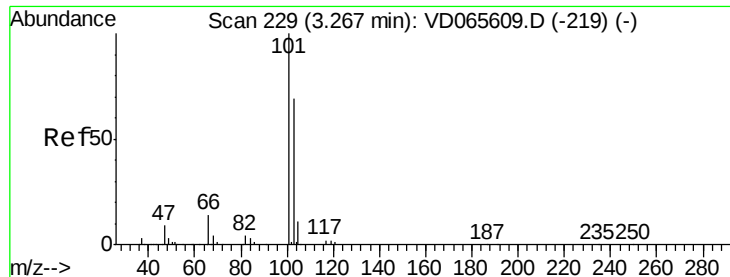
64 100

66 31.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

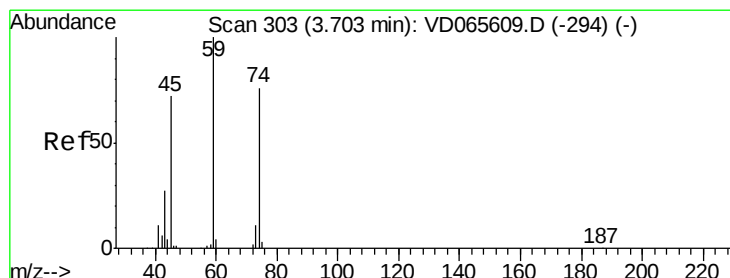
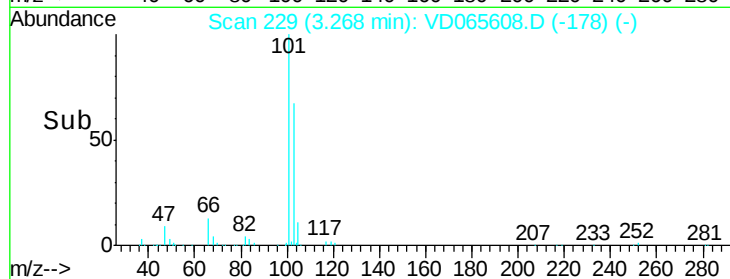
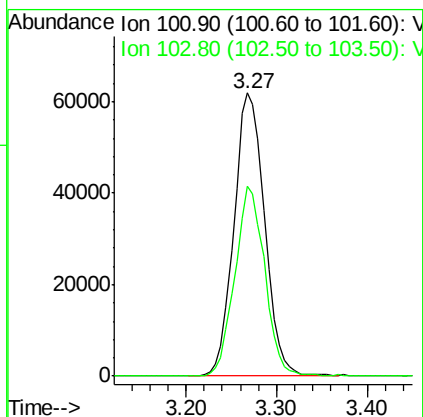
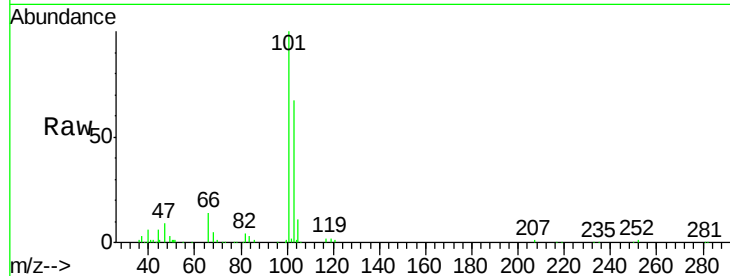
Trichlorofluoromethane
 Concen: 19.533 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	55.0	82.4

Manual Integrations
 APPROVED

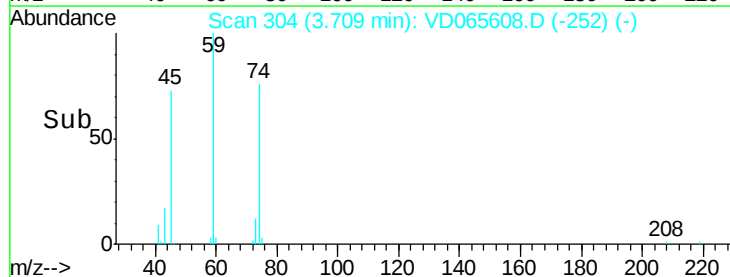
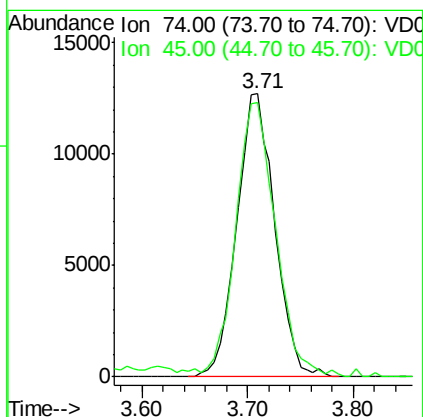
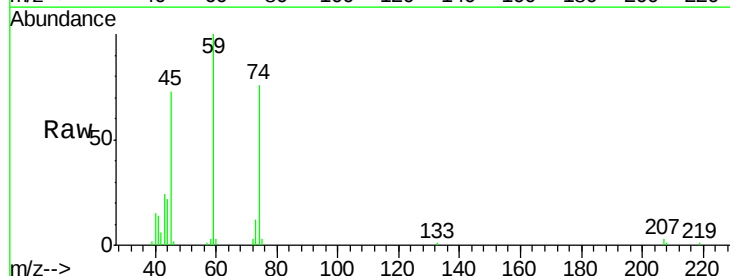
MMDadoda
 4/10/2020 2:58:41 PM

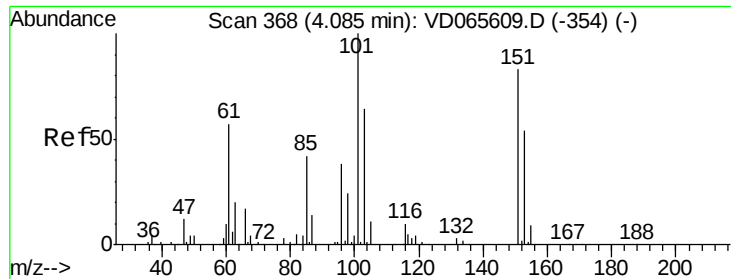


#8

Diethyl Ether
 Concen: 20.535 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.721 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

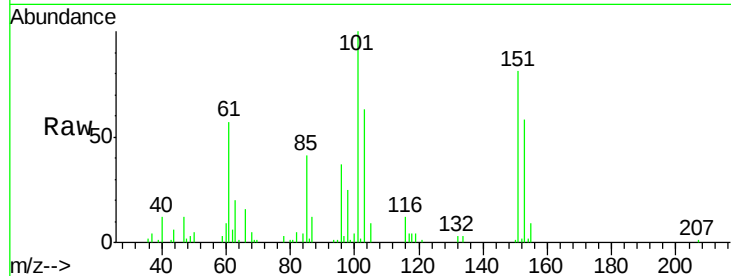
ClientSampleId :

VSTDIC020

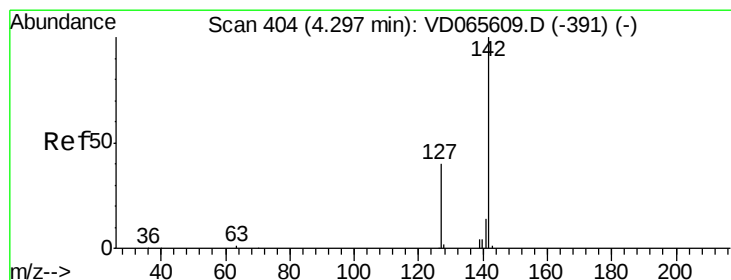
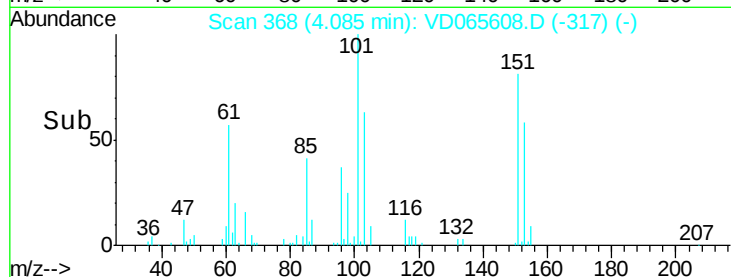
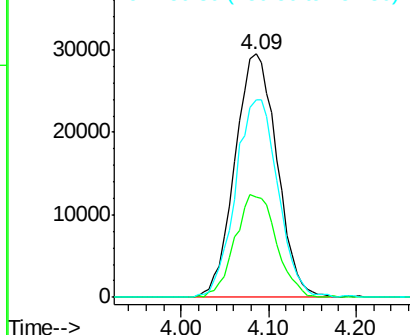
Tot Ion:	101	Resp:	96387
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.6
151	82.3	65.0	97.4

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.081 ug/l

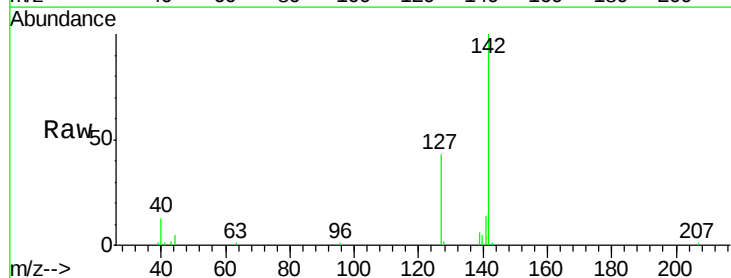
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

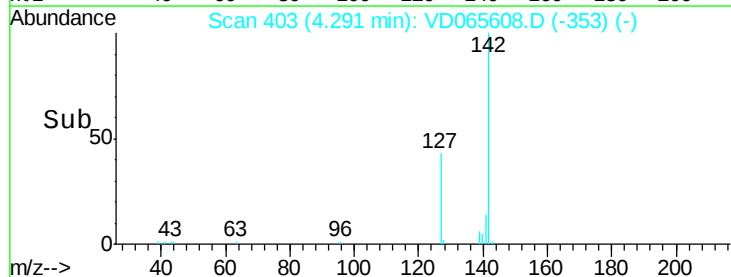
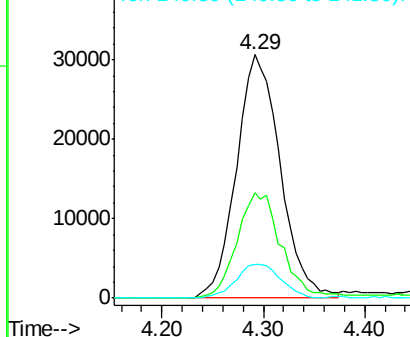
Lab File: VD065608.D

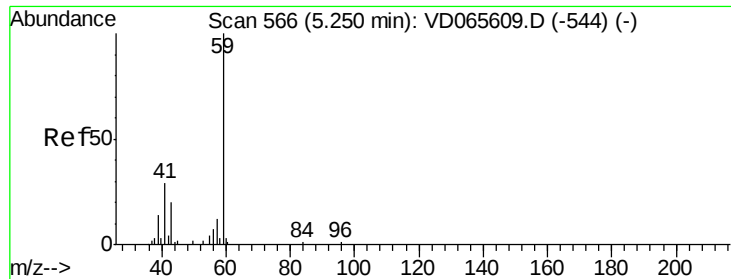
Acq: 09 Apr 2020 11:35

Tgt Ion:	142	Resp:	91773
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.6	51.8
141	14.2	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

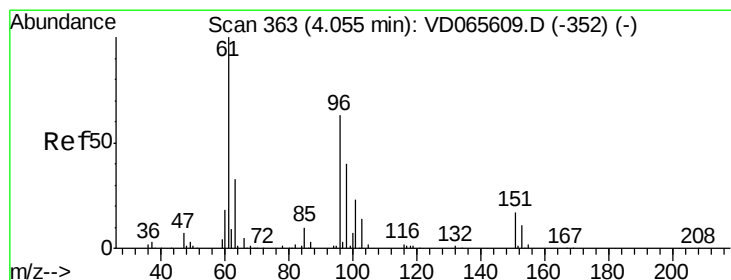
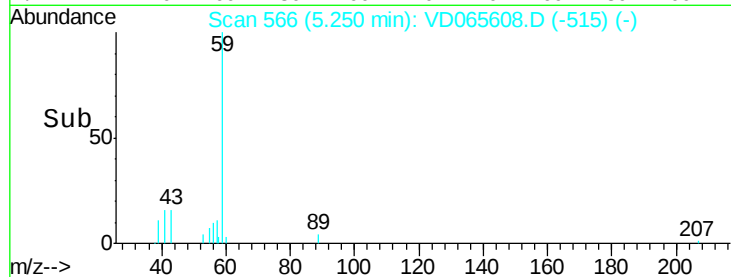
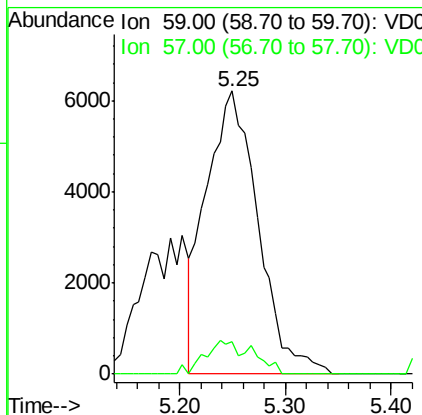
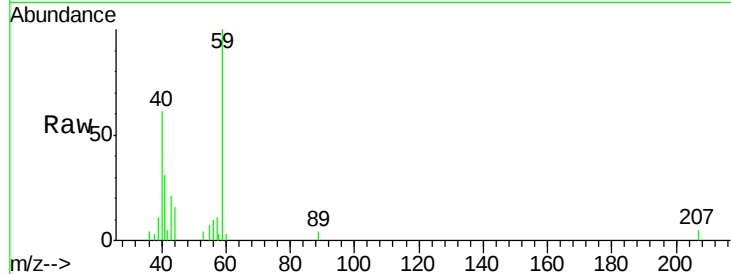
Tert butyl alcohol
 Concen: 93.812 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 59 Resp: 21248
 Ion Ratio Lower Upper
 59 100
 57 8.0 8.1 12.1#

Manual Integrations
 APPROVED

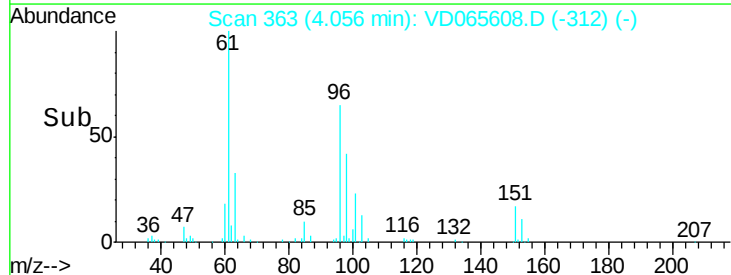
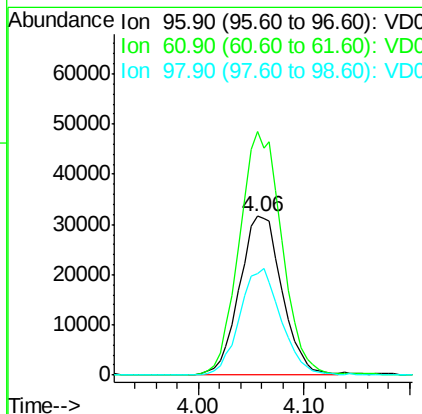
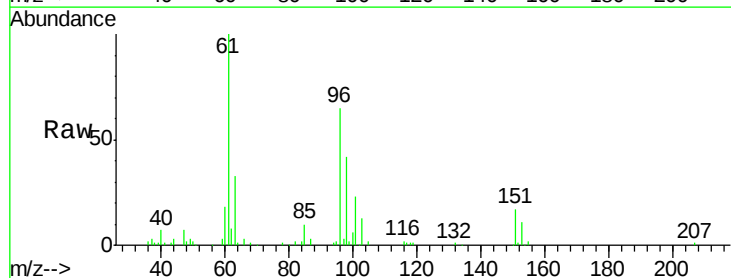
MMDadoda
 4/10/2020 2:58:41 PM

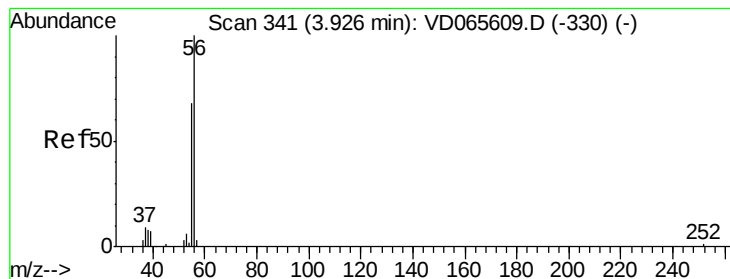


#12

1,1-Dichloroethene
 Concen: 19.636 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion: 96 Resp: 88519
 Ion Ratio Lower Upper
 96 100
 61 153.4 126.6 190.0
 98 64.0 50.2 75.4





#13

Acrolein

Concen: 105.945 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 33013

Ion Ratio Lower Upper

56 100

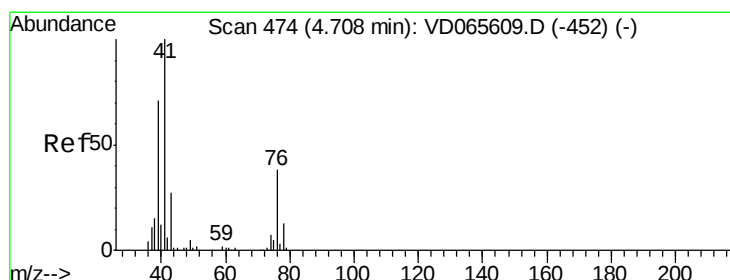
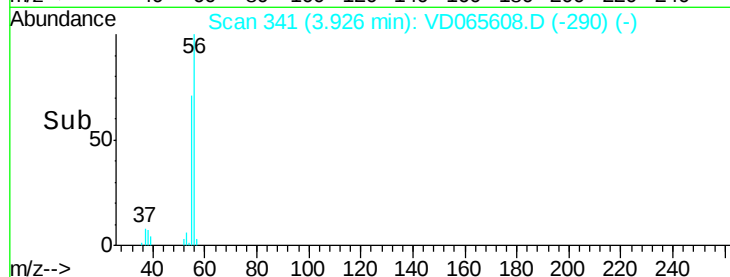
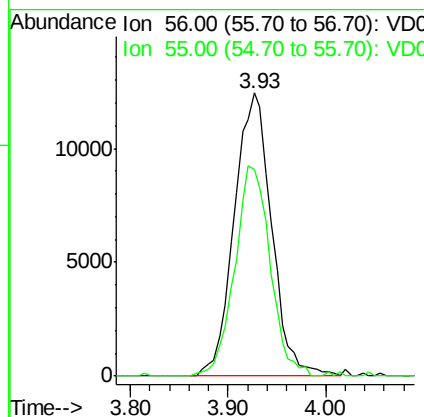
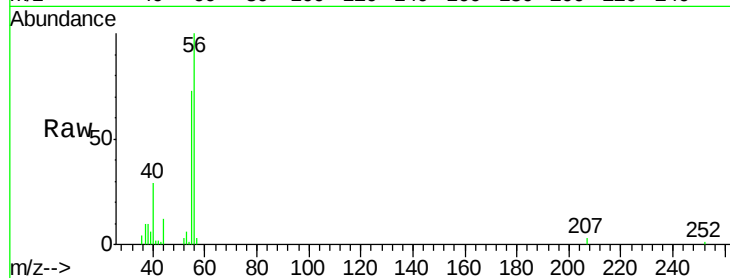
55 70.4 57.9 86.9

Manual Integrations

APPROVED

MMDadoda

4/10/2020 2:58:41 PM



#14

Allyl chloride

Concen: 19.392 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

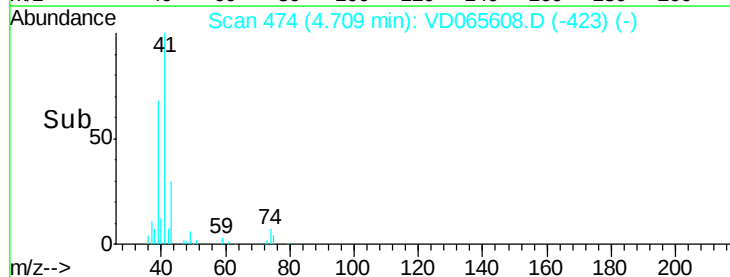
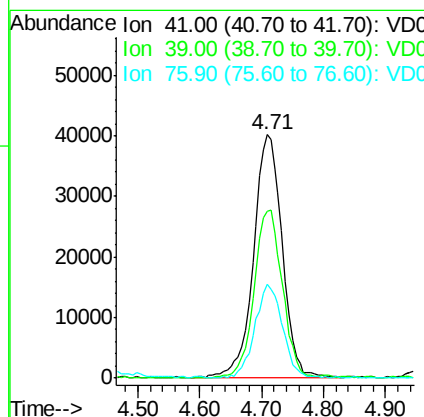
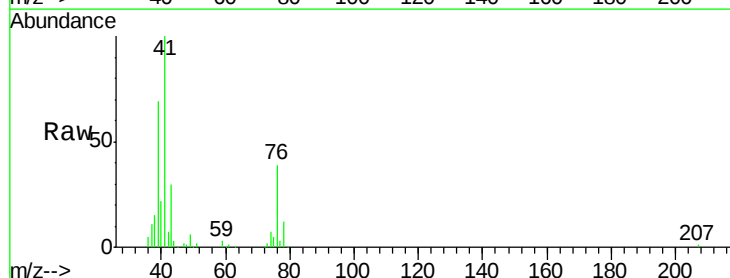
Tgt Ion: 41 Resp: 129675

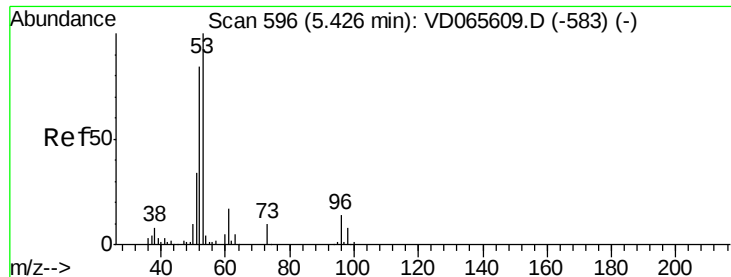
Ion Ratio Lower Upper

41 100

39 68.0 54.2 81.2

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 97.772 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

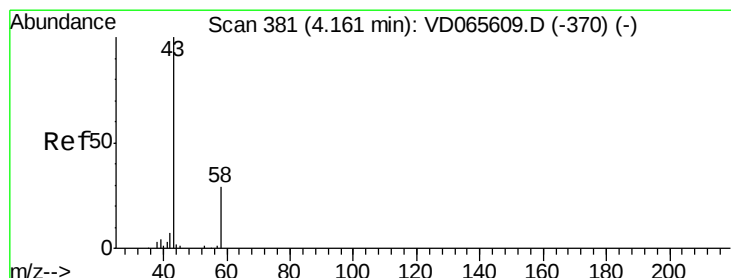
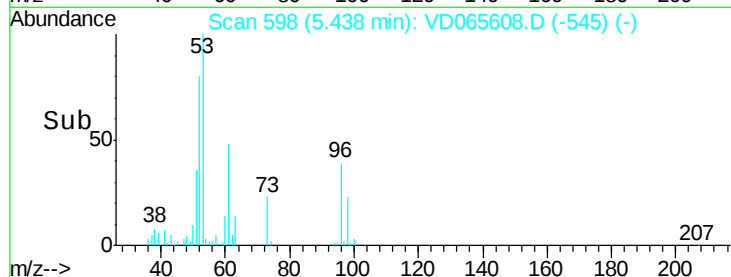
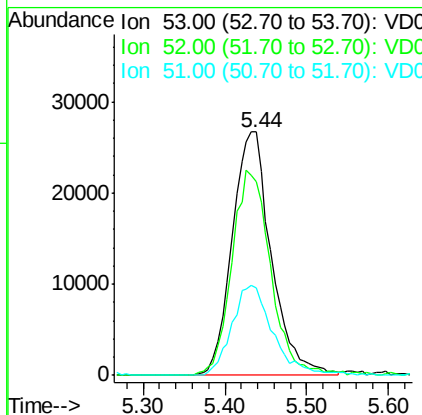
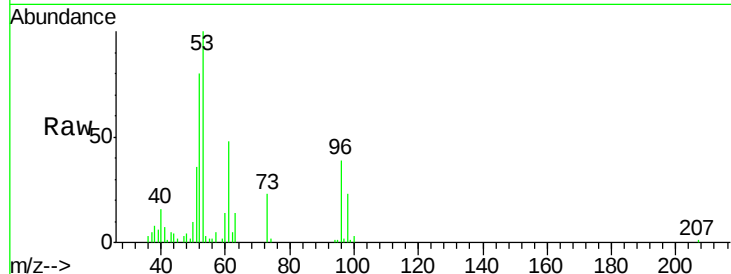
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	89068
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.3	97.9
51	38.8	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#16

Acetone

Concen: 94.331 ug/l

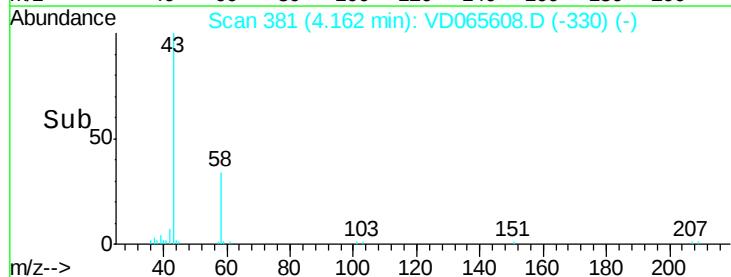
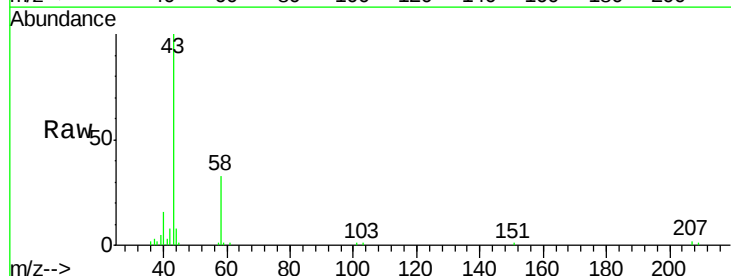
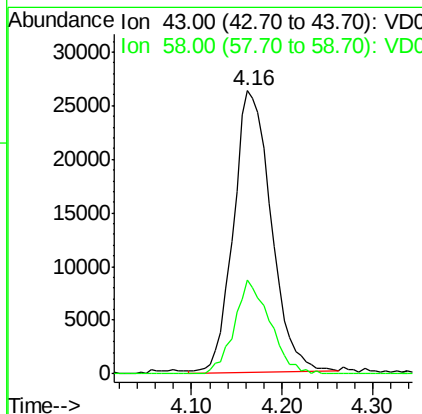
RT: 4.16 min Scan# 381

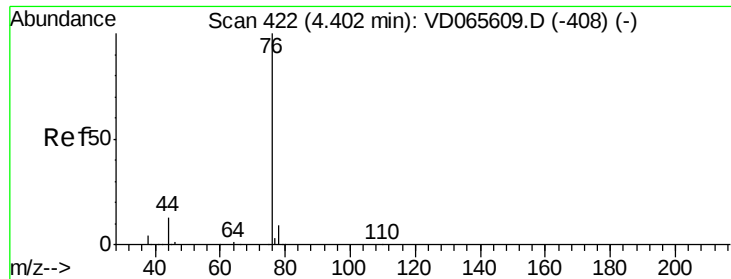
Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion:	43	Resp:	75746
Ion	Ratio	Lower	Upper
43	100		
58	33.5	23.2	34.8





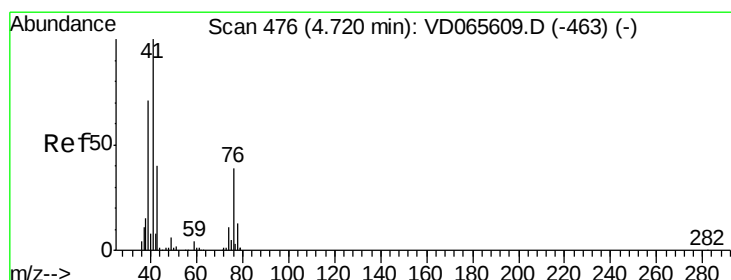
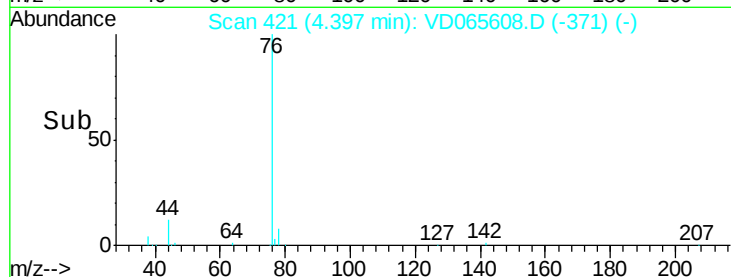
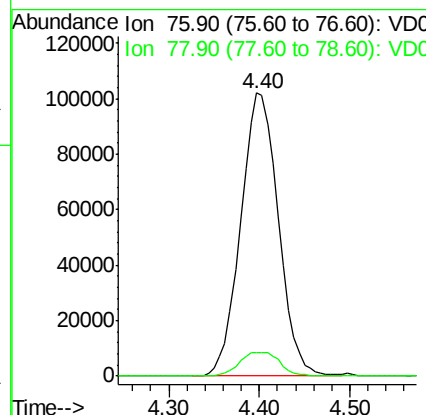
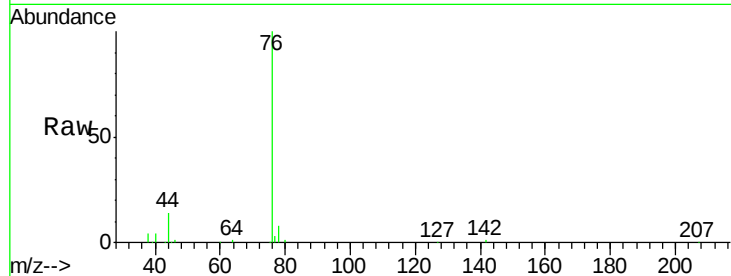
#17
Carbon Disulfide
Concen: 19.613 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

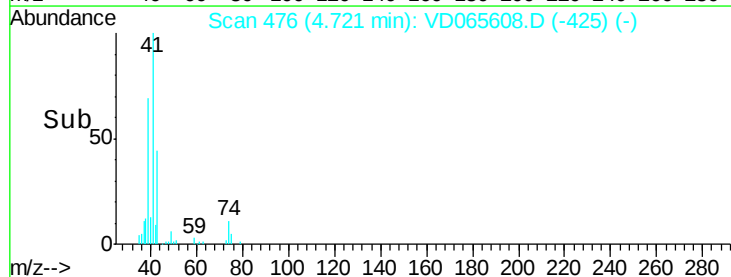
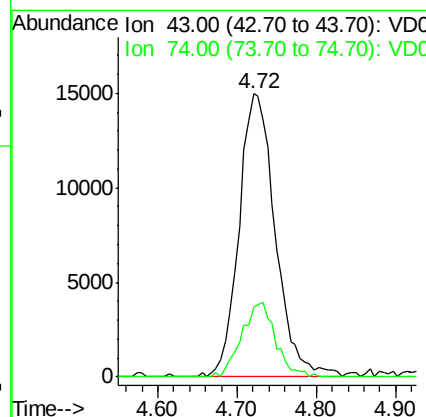
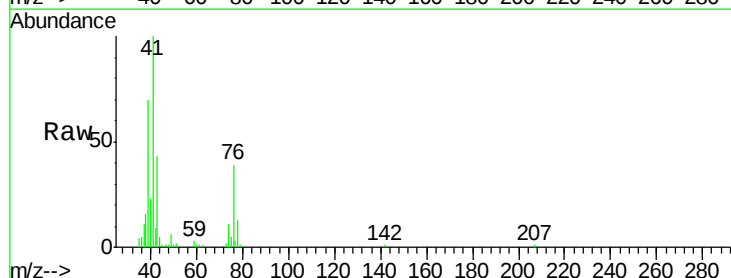
Manual Integrations
APPROVED

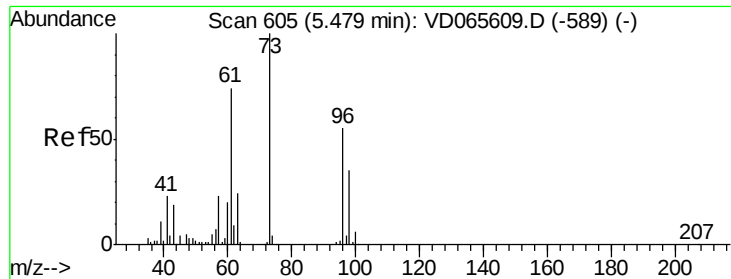
MMDadoda
4/10/2020 2:58:41 PM



#18
Methyl Acetate
Concen: 20.183 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.2	30.2





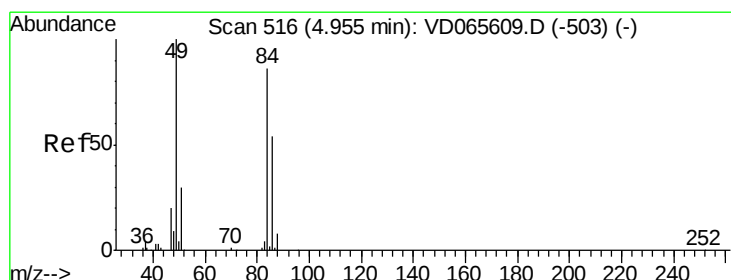
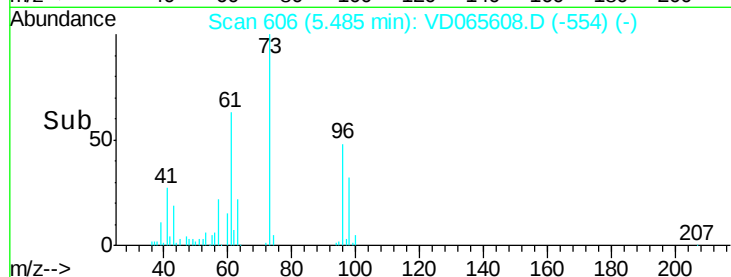
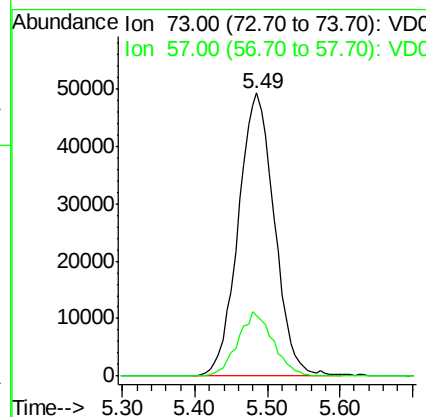
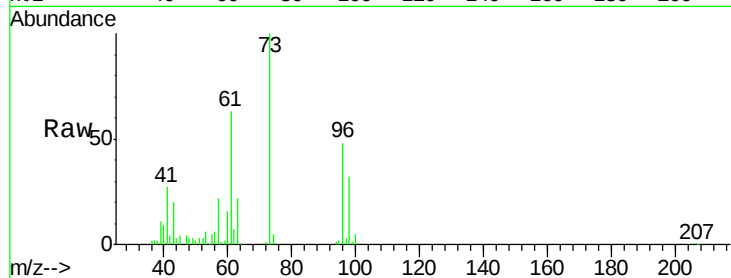
#19
Methvl tert-butvl Ether
Concen: 19.563 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 170484
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

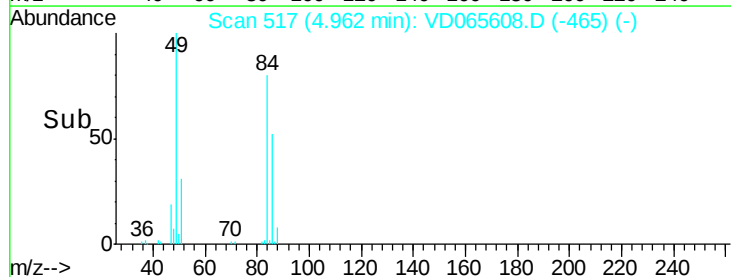
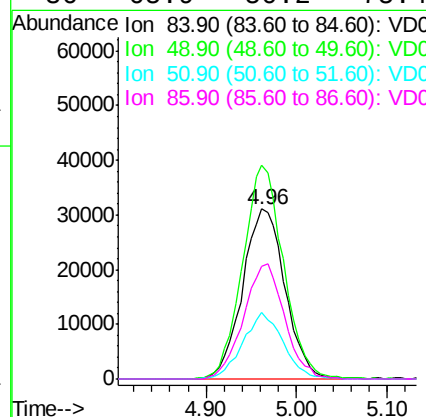
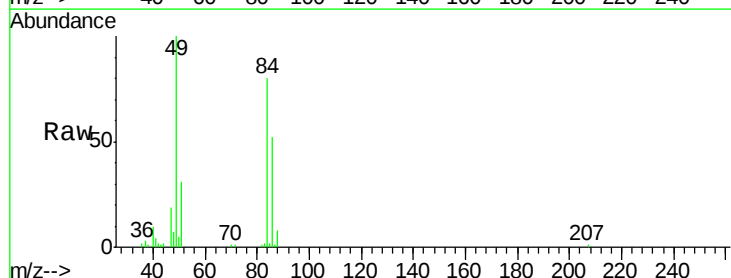
Manual Integrations
APPROVED

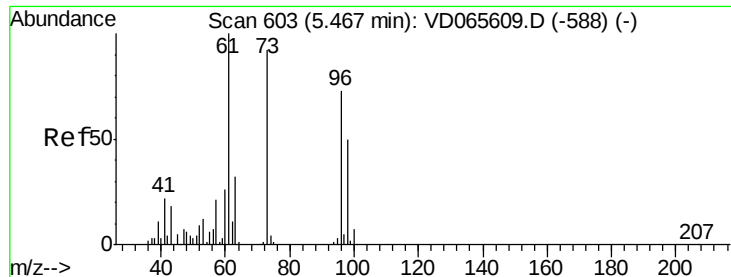
MMDadoda
4/10/2020 2:58:41 PM



#20
Methylene Chloride
Concen: 19.095 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion: 84 Resp: 101359
Ion Ratio Lower Upper
84 100
49 125.6 93.4 140.2
51 39.0 28.5 42.7
86 65.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.596 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 100260

Ion Ratio Lower Upper

96 100

61 130.2 109.8 164.6

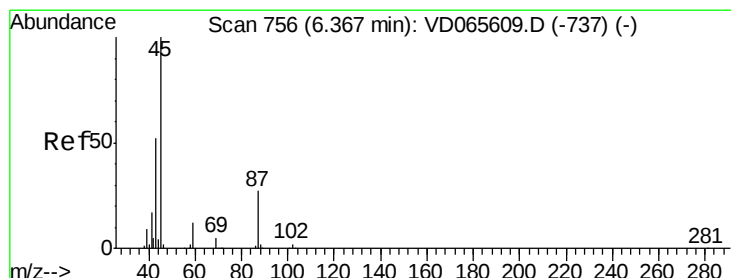
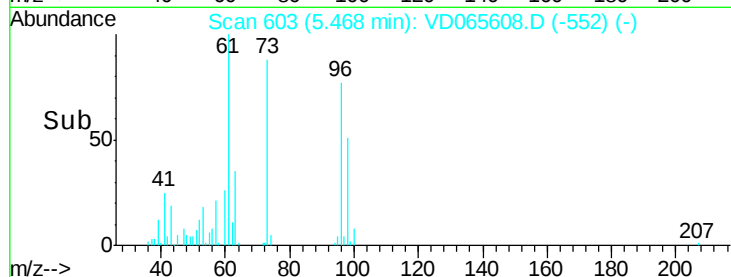
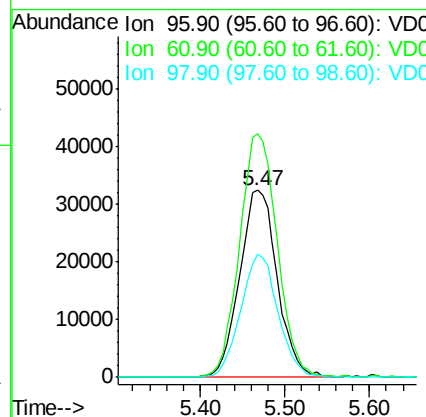
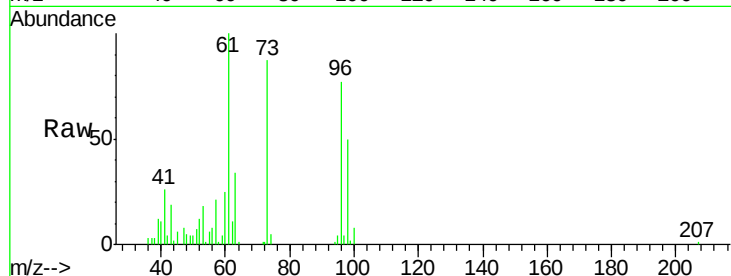
98 65.7 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

4/10/2020 2:58:41 PM



#22

Diisopropyl ether

Concen: 20.754 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion: 45 Resp: 266767

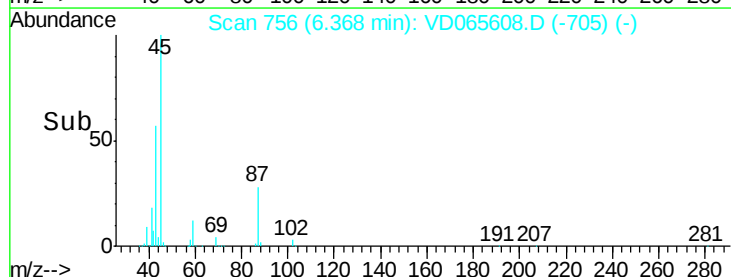
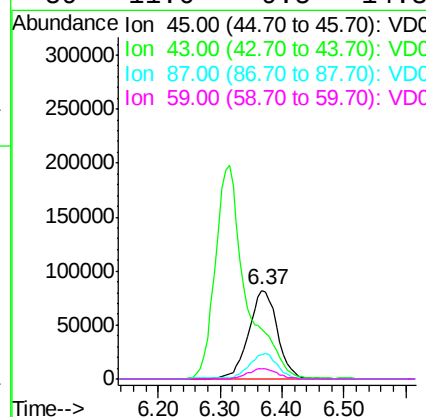
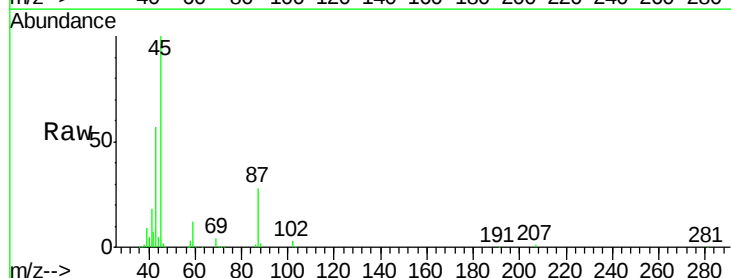
Ion Ratio Lower Upper

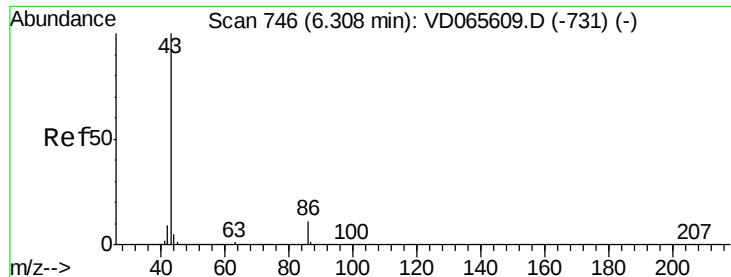
45 100

43 56.1 42.5 63.7

87 27.6 22.3 33.5

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 103.337 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 682509

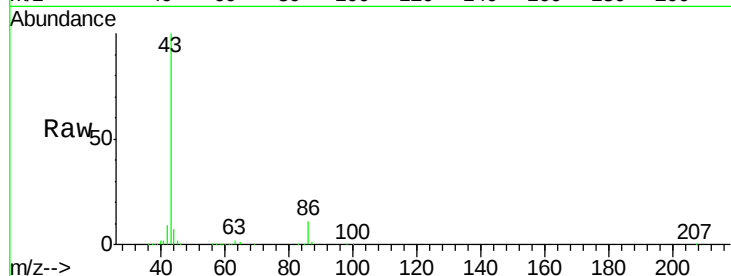
Ion Ratio Lower Upper

43 100

86 10.6 9.1 13.7

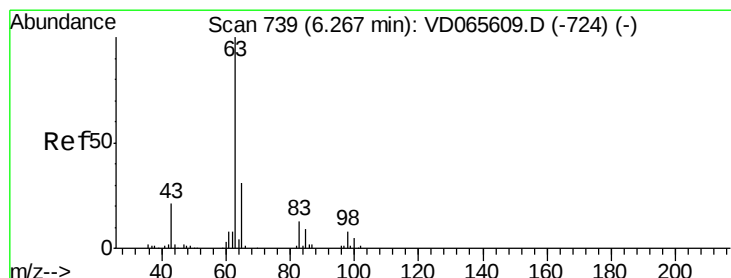
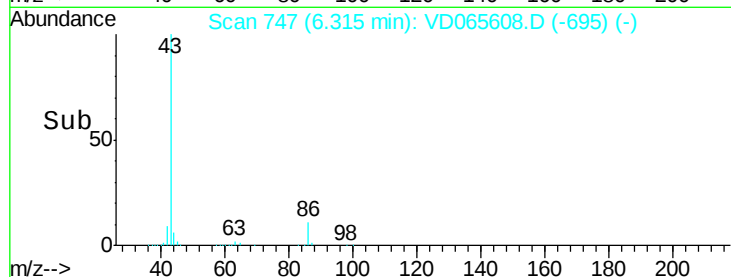
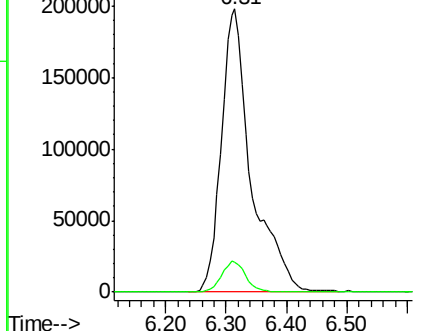
Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.662 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

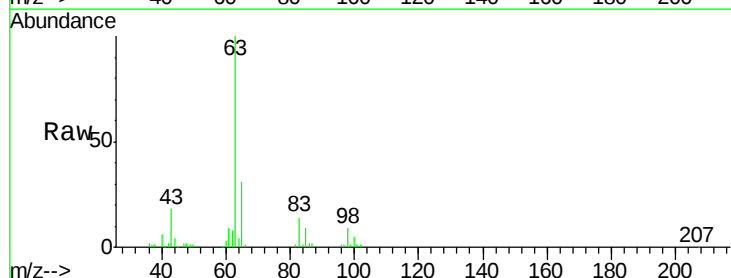
Tgt Ion: 63 Resp: 168137

Ion Ratio Lower Upper

63 100

98 9.2 4.0 11.9

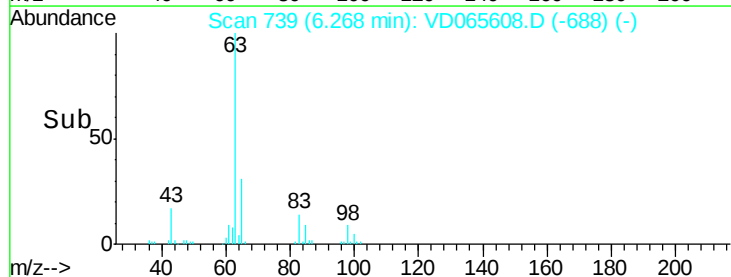
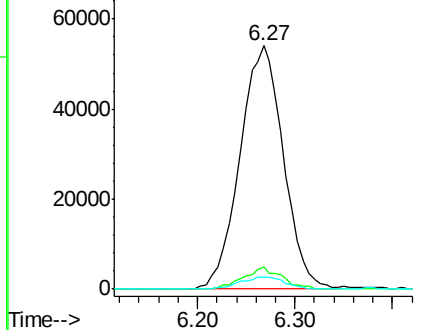
100 5.1 2.6 7.8

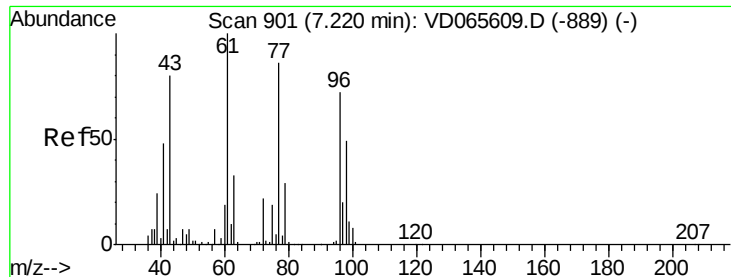


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





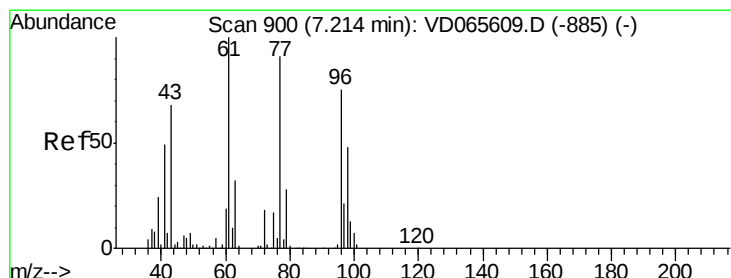
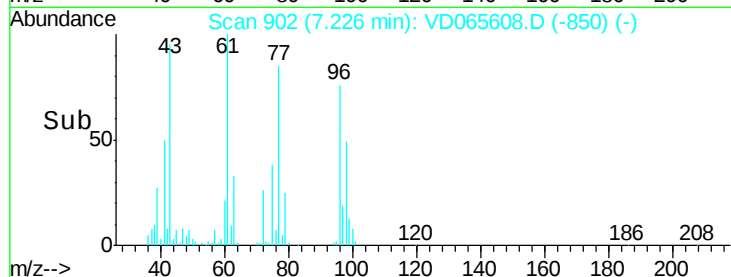
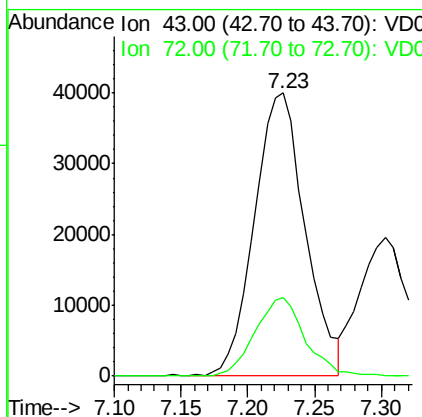
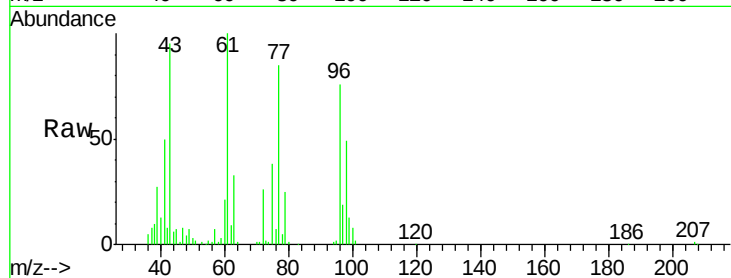
#25
2-Butanone
Concen: 96.121 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 105645
Ion Ratio Lower Upper
43 100
72 27.7 22.5 33.7

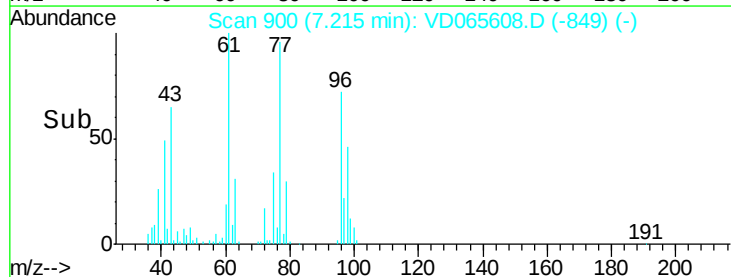
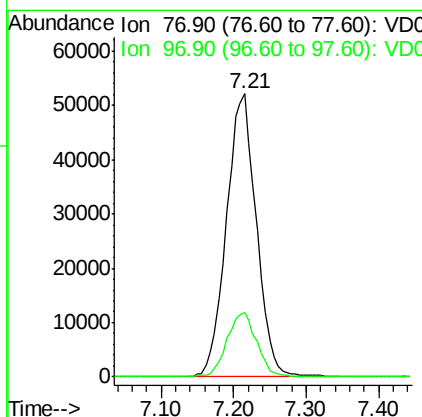
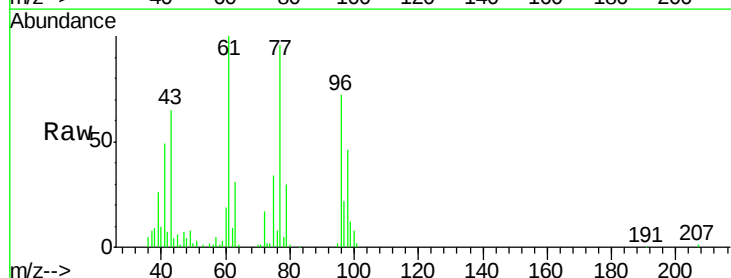
Manual Integrations
APPROVED

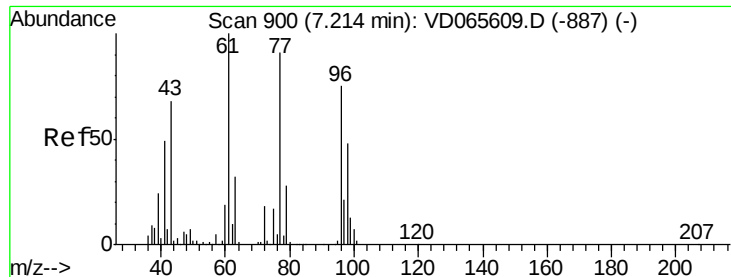
MMDadoda
4/10/2020 2:58:41 PM



#26
2,2-Dichloropropane
Concen: 19.527 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion: 77 Resp: 149433
Ion Ratio Lower Upper
77 100
97 22.4 11.7 35.1





#27

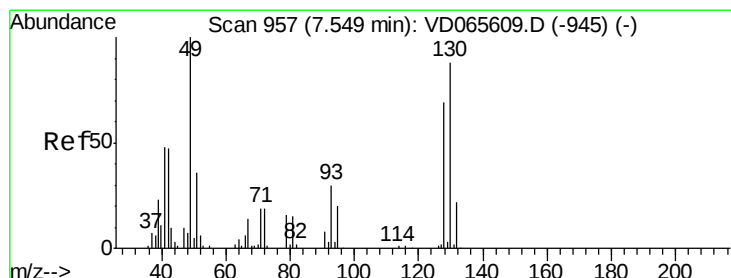
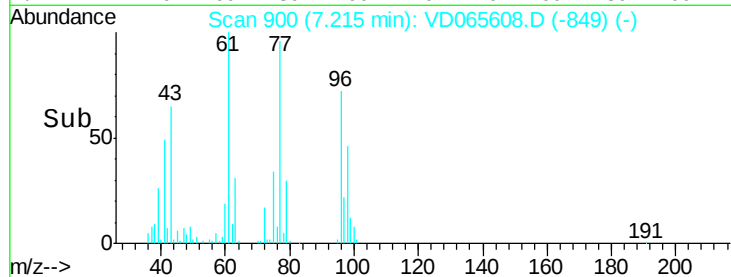
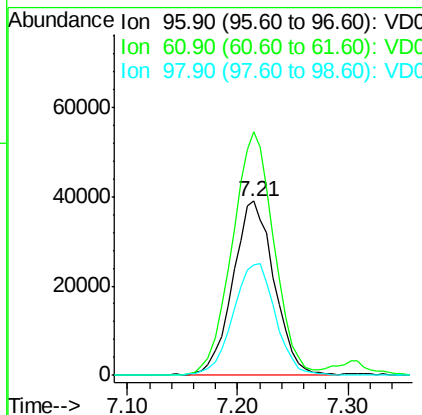
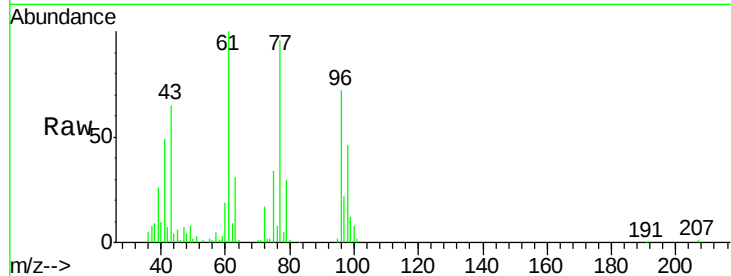
cis-1,2-Dichloroethene
Concen: 19.584 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	102544		
61	140.9	0.0	279.0	
98	65.5	0.0	130.2	

Manual Integrations
APPROVED

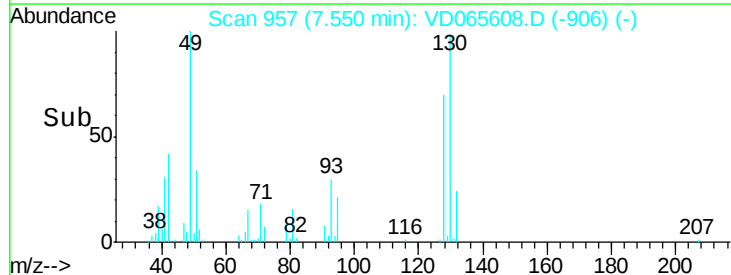
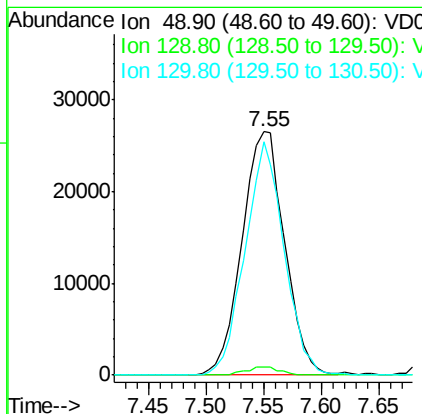
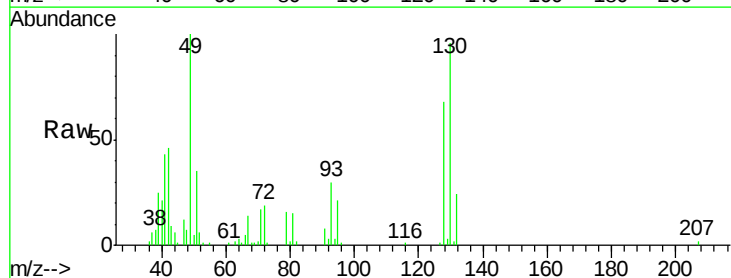
MMDadoda
4/10/2020 2:58:41 PM

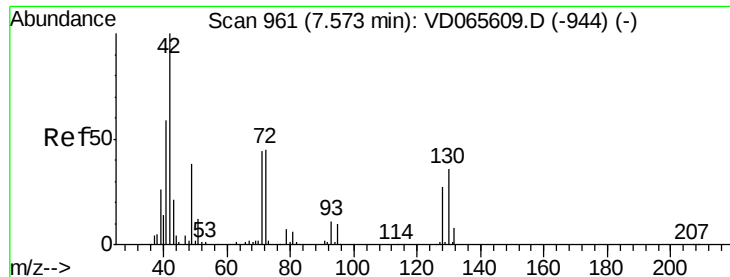


#28

Bromochloromethane
Concen: 19.885 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68247		
129	2.6	0.0	4.8	
130	87.8	69.4	104.2	





#29

Tetrahydrofuran

Concen: 99.436 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

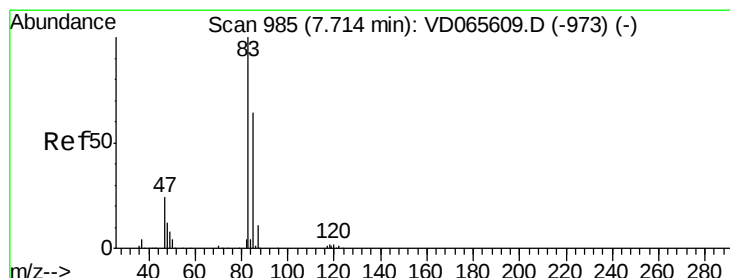
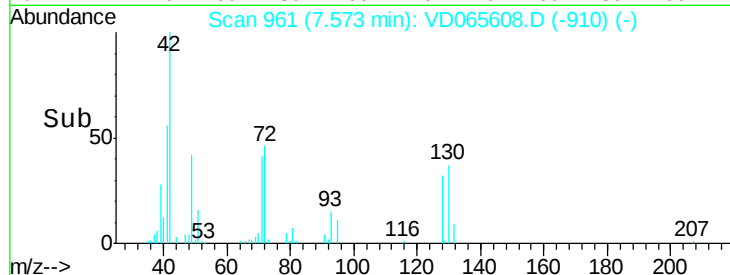
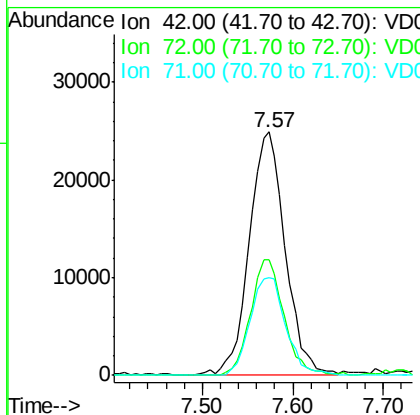
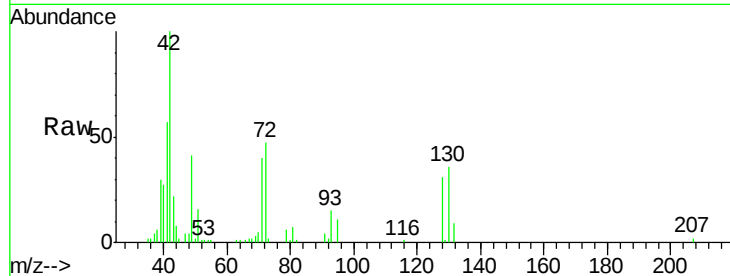
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	68677
Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.3	52.9
71	39.7	33.1	49.7

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#30

Chloroform

Concen: 20.035 ug/l

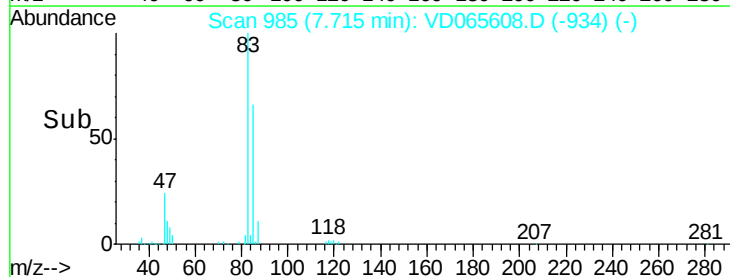
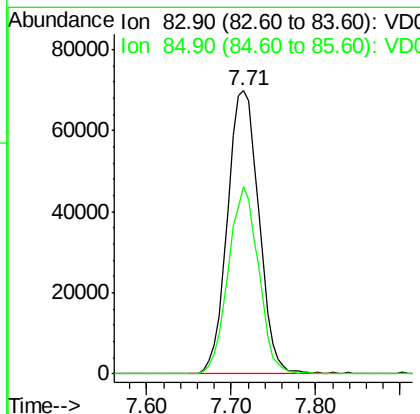
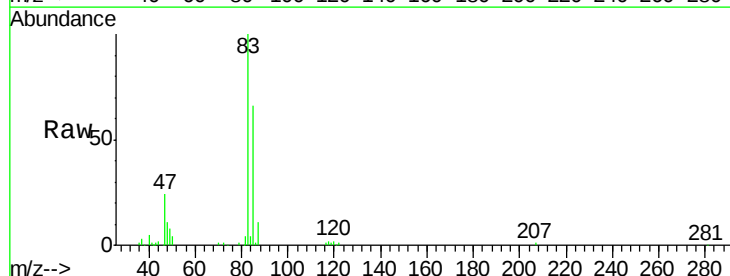
RT: 7.71 min Scan# 985

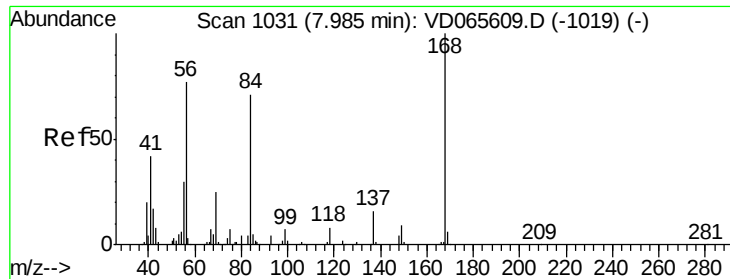
Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion:	83	Resp:	179392
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.9	76.3





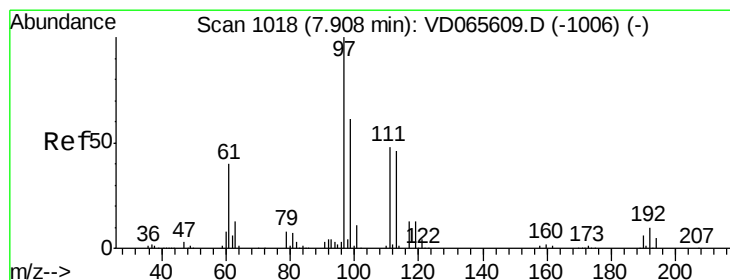
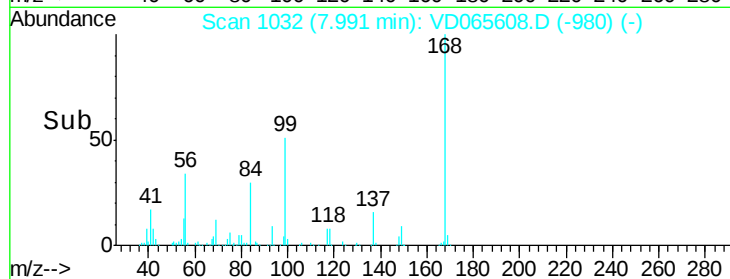
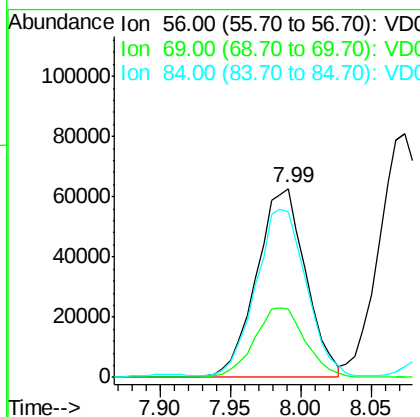
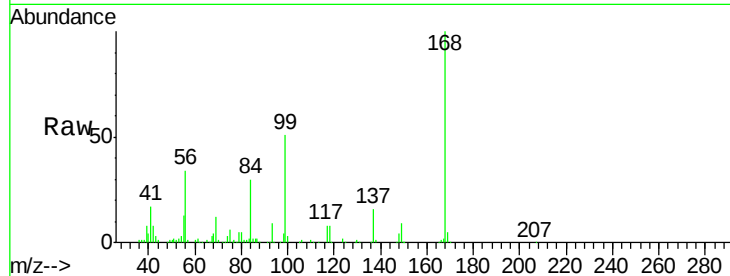
#31
Cyclohexane
Concen: 19.342 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.2	39.4
84	87.0	73.7	110.5

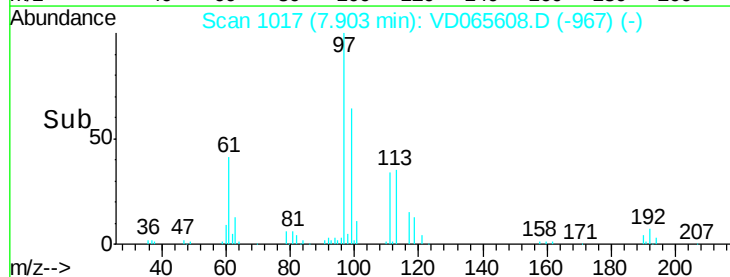
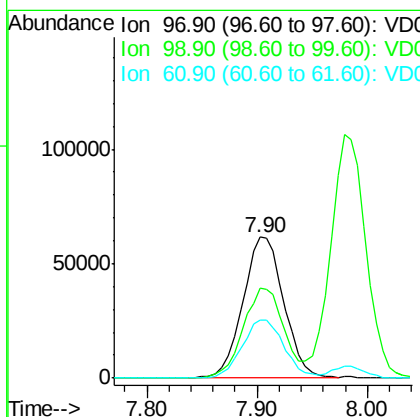
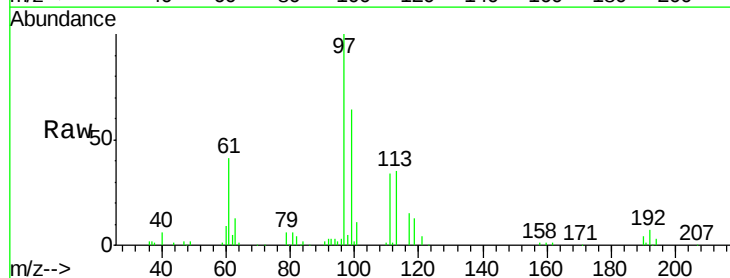
Manual Integrations
APPROVED

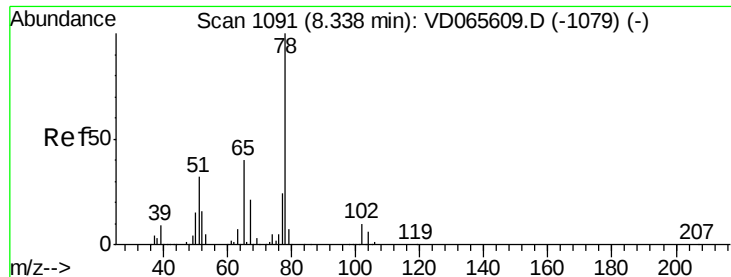
MMDadoda
4/10/2020 2:58:41 PM



#32
1,1,1-Trichloroethane
Concen: 19.802 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.2	75.2
61	42.6	33.5	50.3





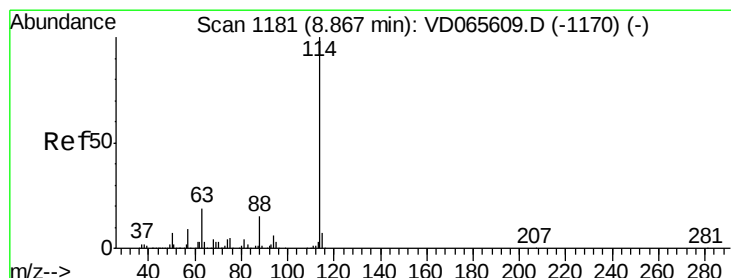
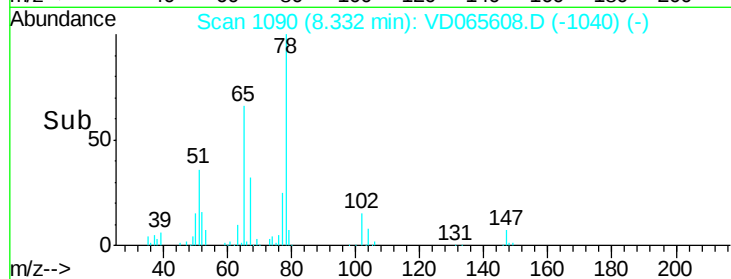
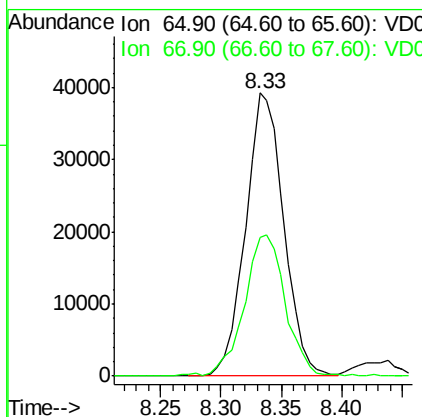
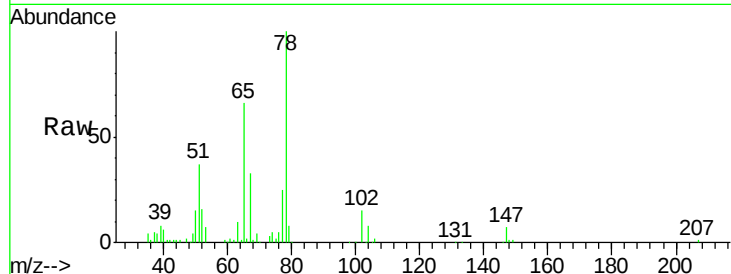
#33
 1,2-Dichloroethane-d4
 Concen: 19.379 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	86174		
67	53.3	0.0	107.6	

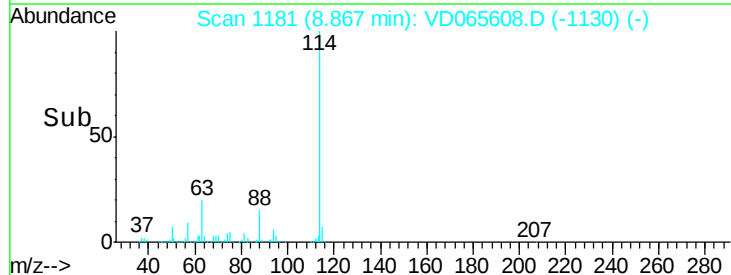
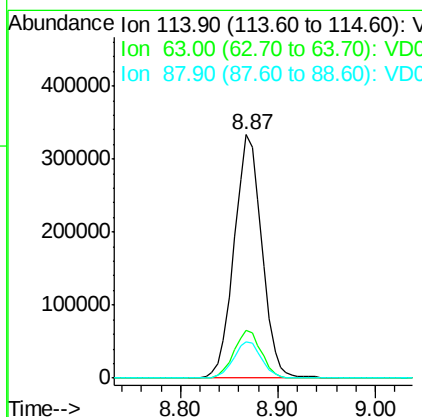
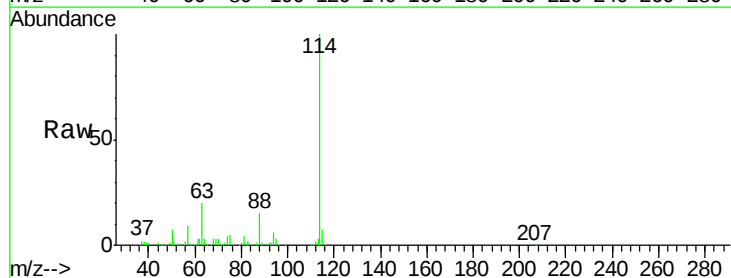
Manual Integrations
 APPROVED

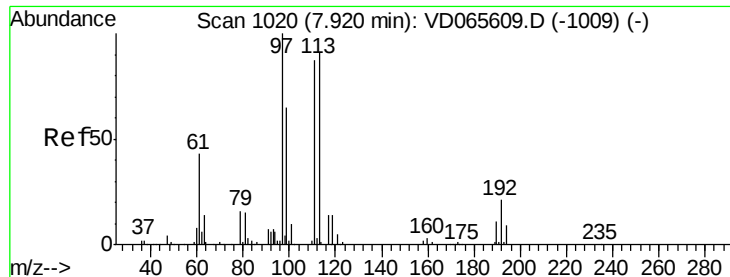
MMDadoda
 4/10/2020 2:58:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	656786		
63	19.9	0.0	38.2	
88	14.9	0.0	29.6	





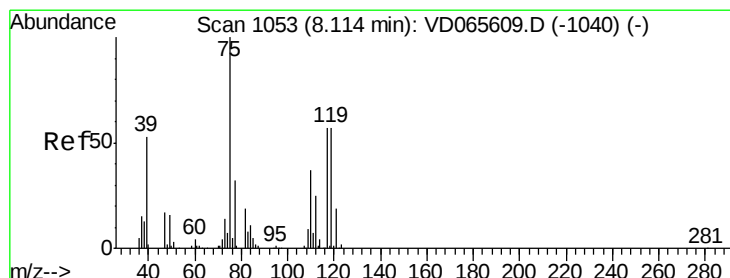
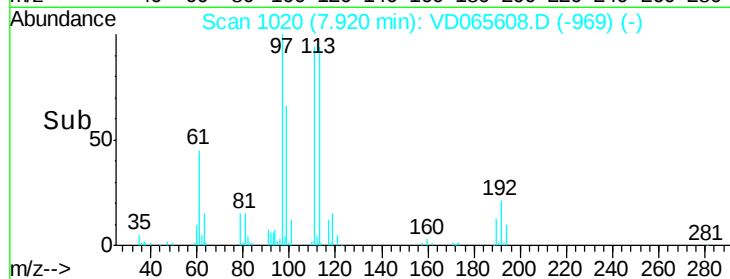
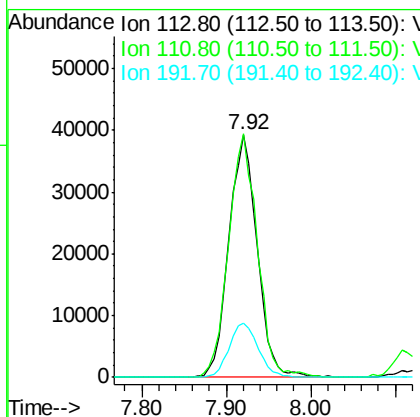
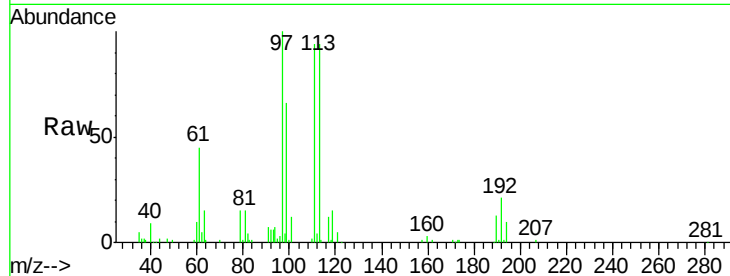
#35
 Dibromofluoromethane
 Concen: 19.720 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.6	120.8
192	23.0	18.6	27.8

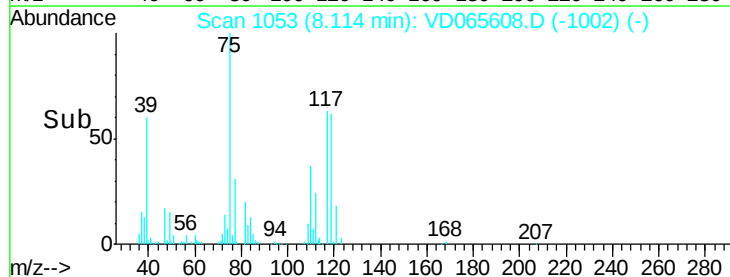
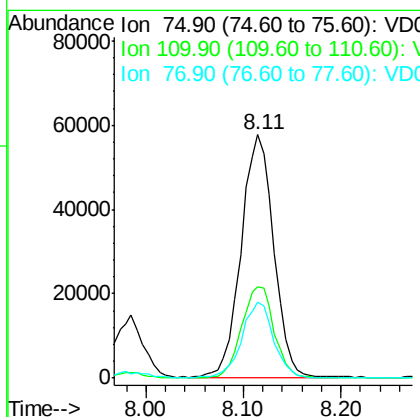
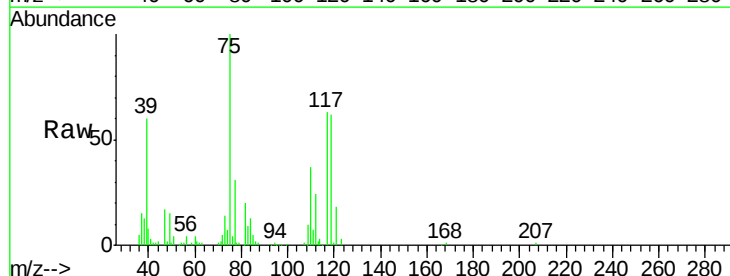
Manual Integrations
 APPROVED

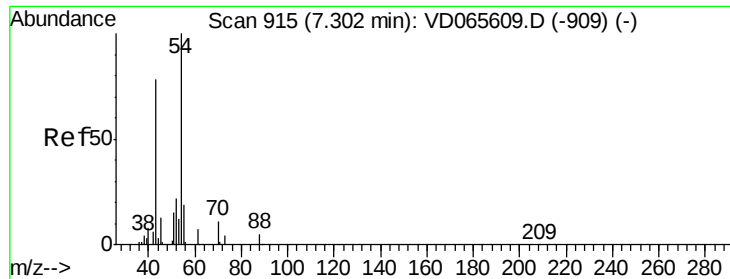
MMDadoda
 4/10/2020 2:58:41 PM



#36
 1,1-Dichloropropene
 Concen: 19.919 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.3	54.9
77	30.8	25.0	37.6





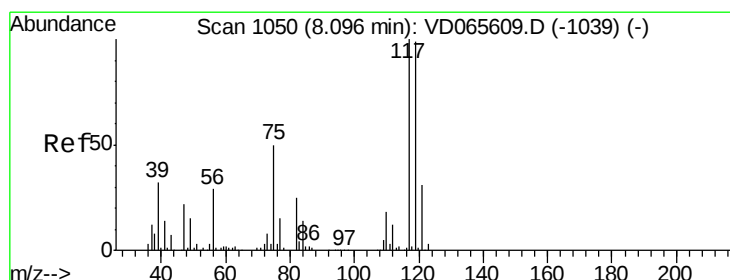
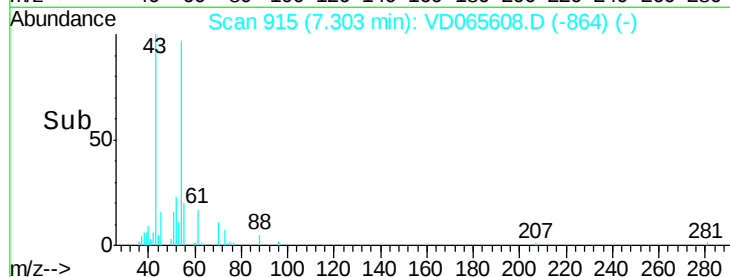
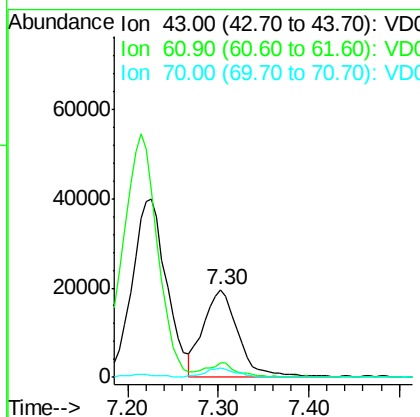
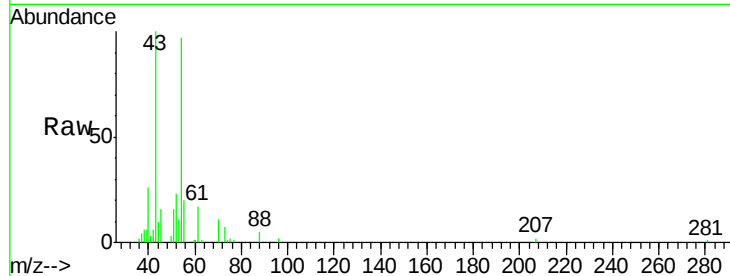
#37
Ethyl Acetate
Concen: 20.498 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.3	16.9
70	9.6	8.6	13.0

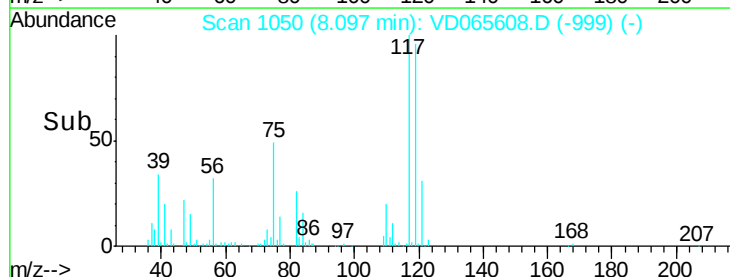
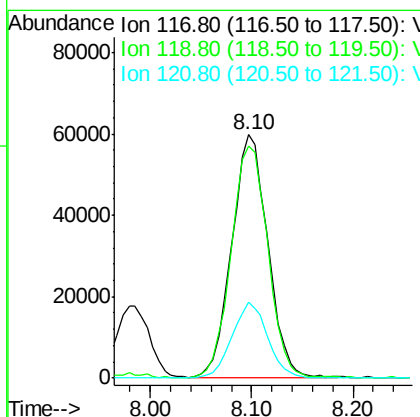
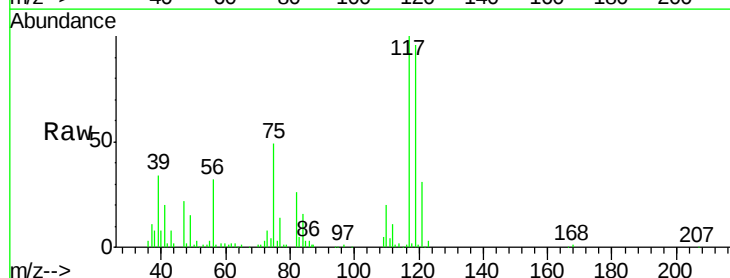
Manual Integrations
APPROVED

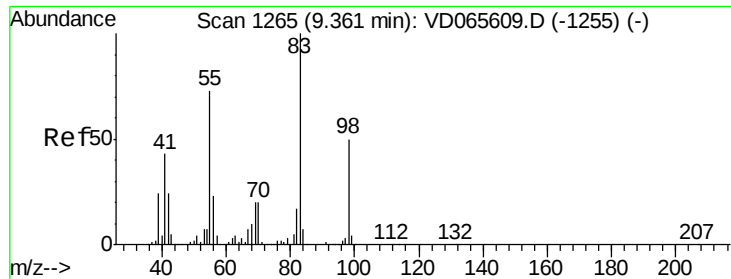
MMDadoda
4/10/2020 2:58:41 PM



#38
Carbon Tetrachloride
Concen: 19.925 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.9	118.3
121	31.5	24.6	37.0





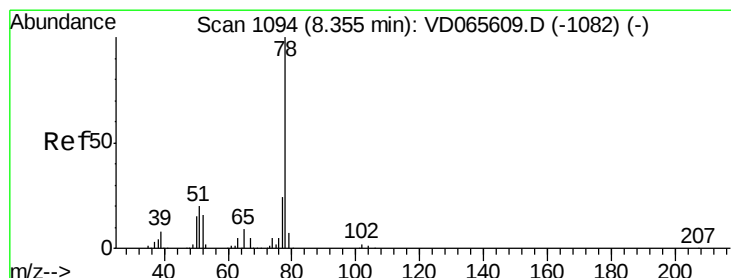
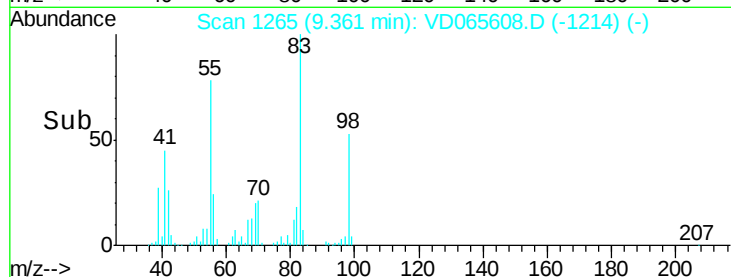
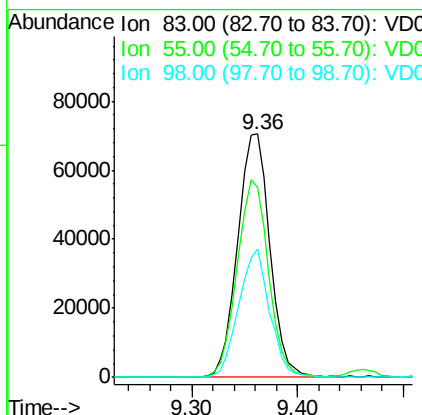
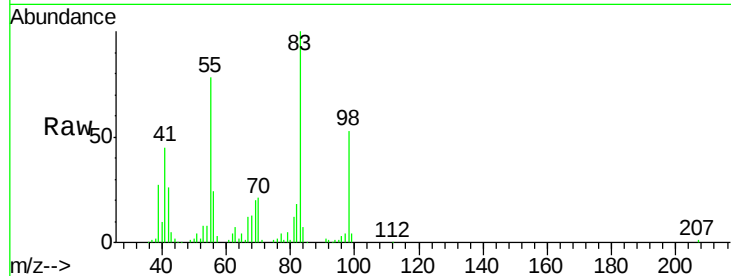
#39
Methvlcvclohexane
Concen: 19.607 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	150079
Ion Ratio	Lower	Upper	
83	100		
55	78.1	58.7	88.1
98	52.6	40.2	60.4

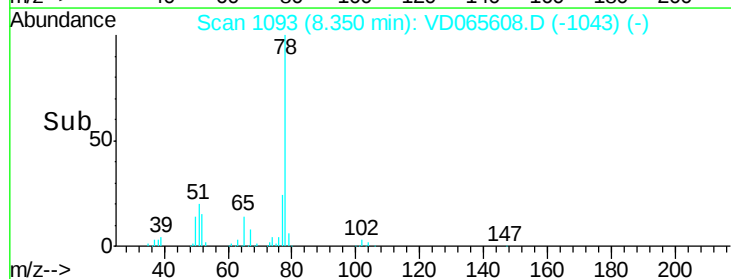
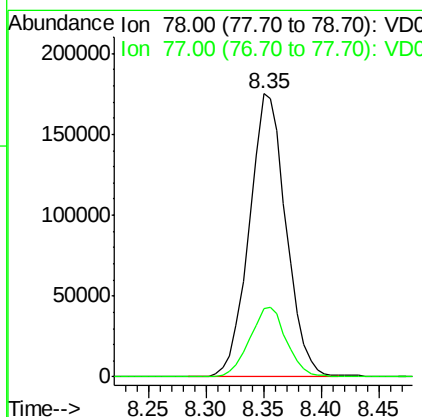
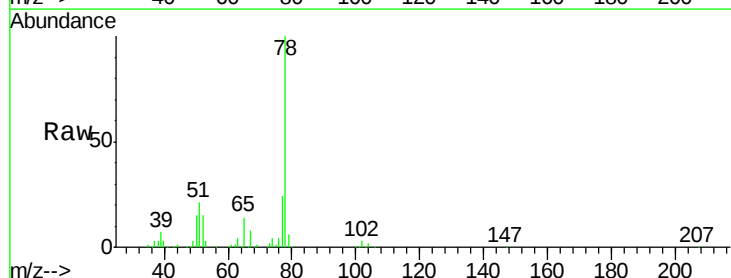
Manual Integrations
APPROVED

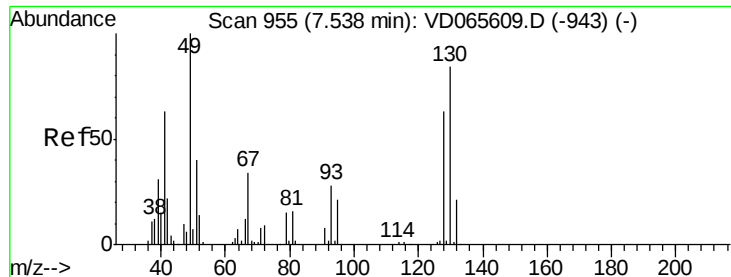
MMDadoda
4/10/2020 2:58:41 PM



#40
Benzene
Concen: 20.106 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	78	Resp	388438
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.4	29.0





#41

Methacrylonitrile

Concen: 21.452 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

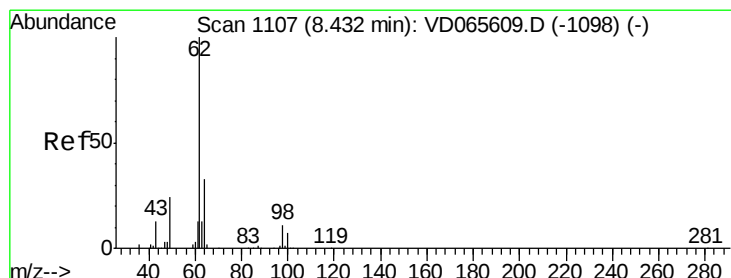
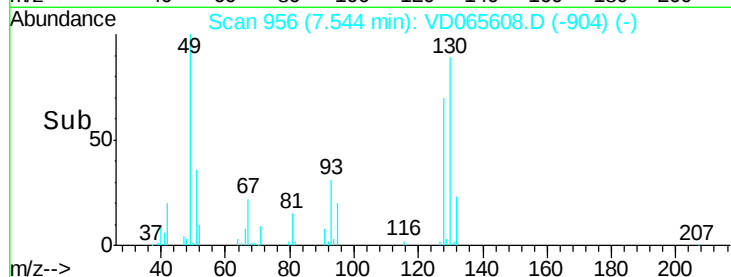
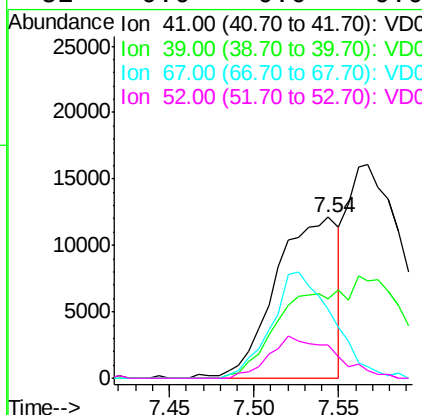
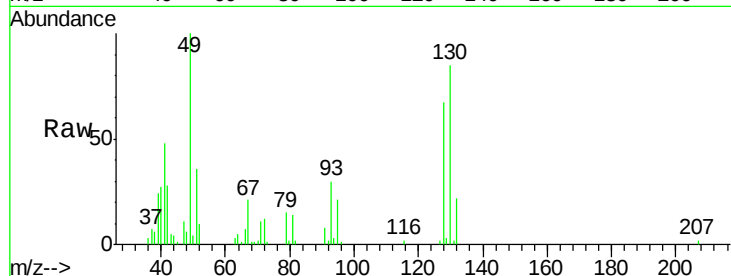
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31482		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#42

1,2-Dichloroethane

Concen: 20.196 ug/l

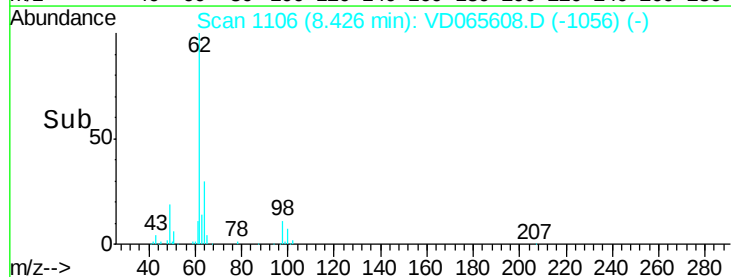
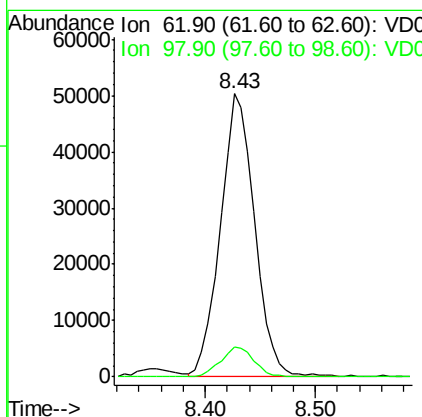
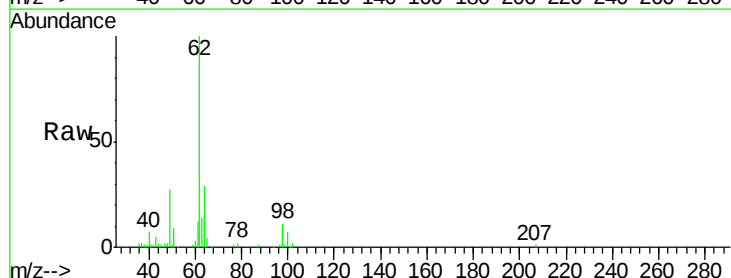
RT: 8.43 min Scan# 1106

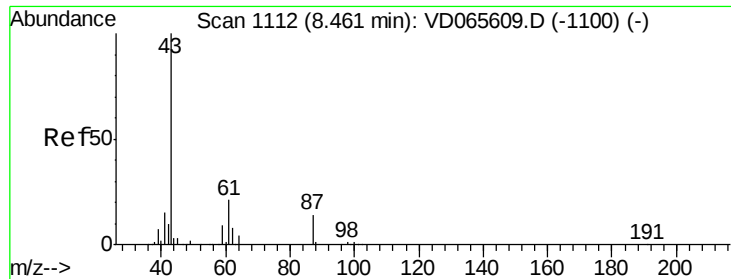
Delta R.T. -0.01 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		108984		
98	10.1	0.0	21.0		





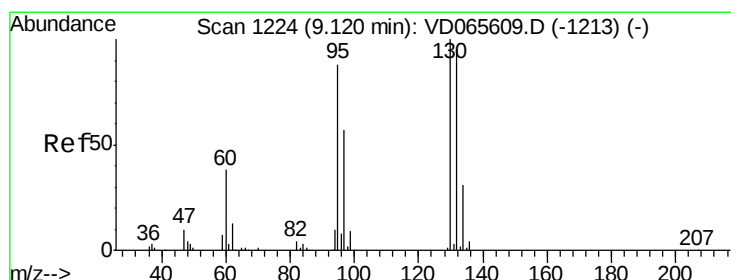
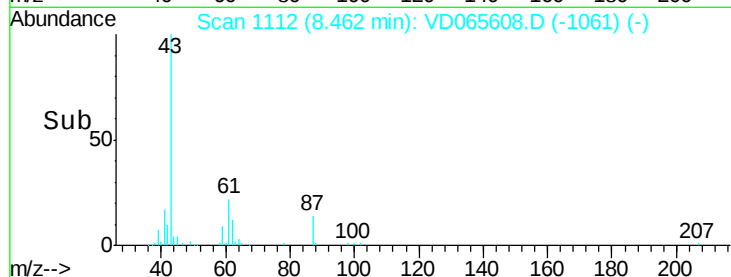
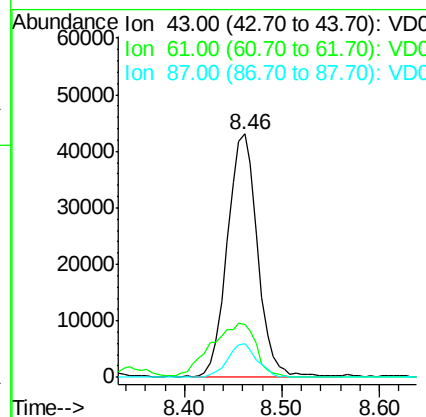
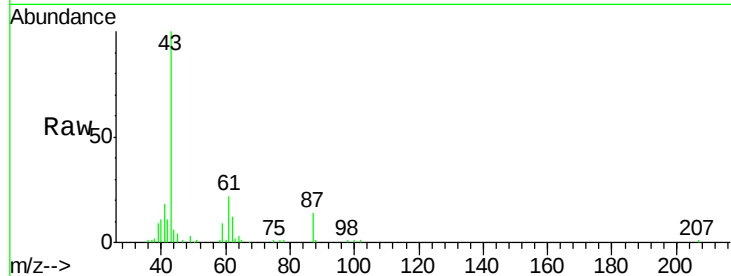
#43
Isopropyl Acetate
Concen: 20.215 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.9	38.9
87	13.5	10.9	16.3

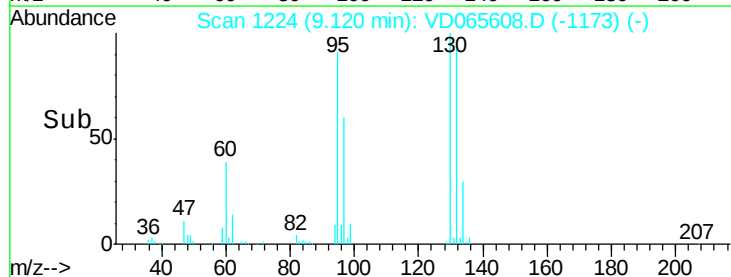
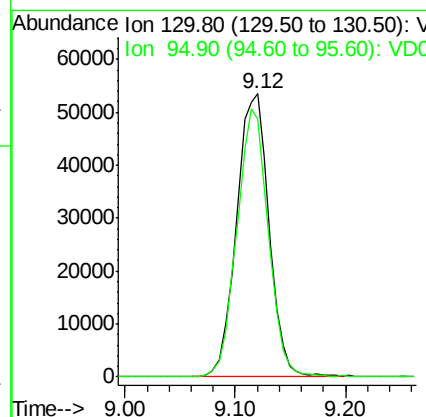
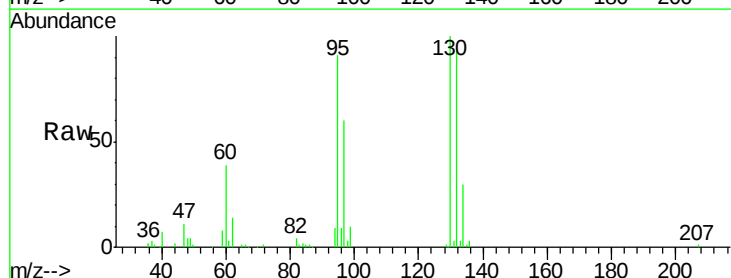
Manual Integrations
APPROVED

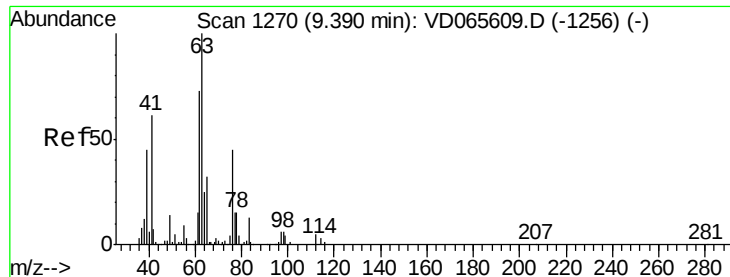
MMDadoda
4/10/2020 2:58:41 PM



#44
Trichloroethene
Concen: 19.850 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	176.8





#45

1,2-Dichloropropane

Concen: 20.050 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 94321

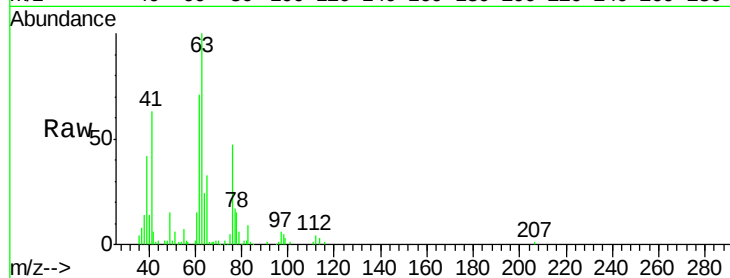
Ion Ratio Lower Upper

63 100

65 32.8 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

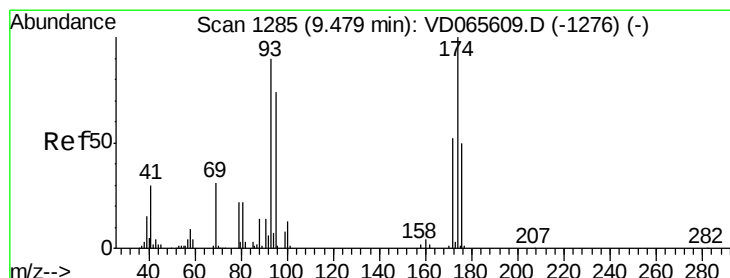
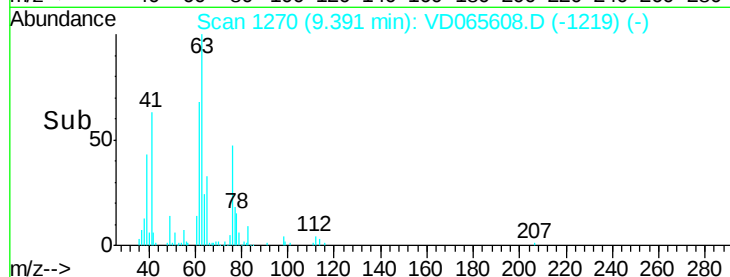
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.192 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

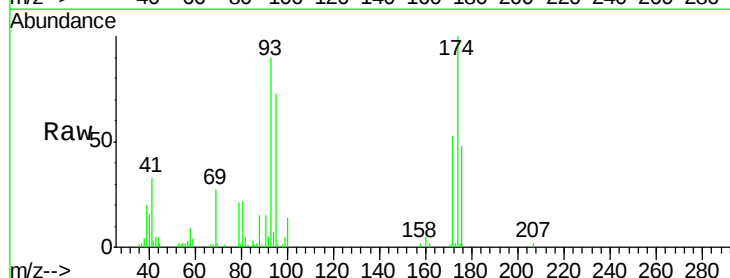
Tgt Ion: 93 Resp: 51059

Ion Ratio Lower Upper

93 100

95 83.0 66.5 99.7

174 113.9 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

30000

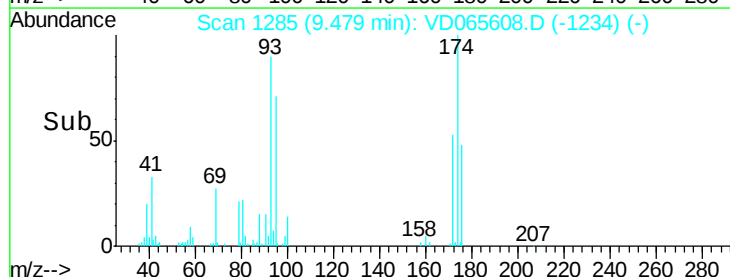
20000

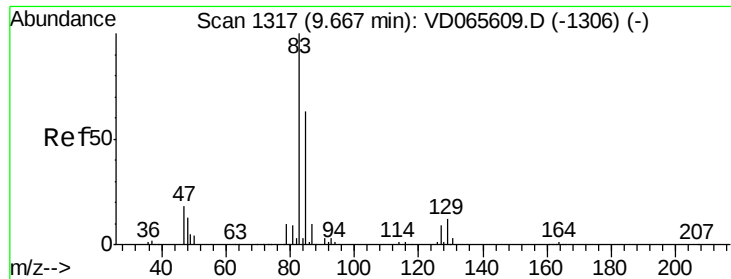
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 20.080 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

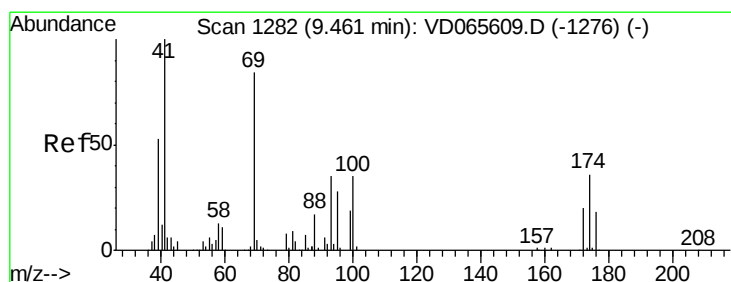
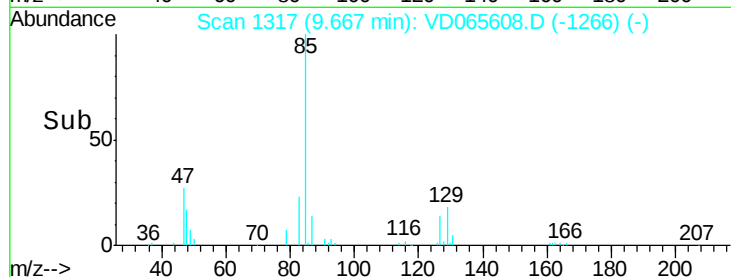
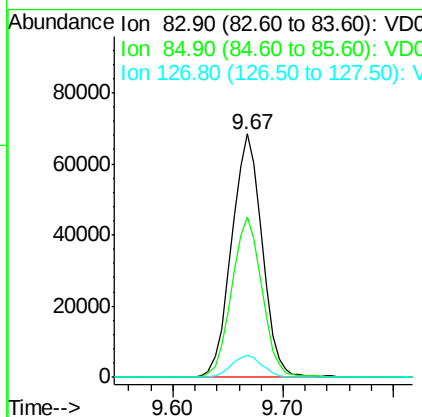
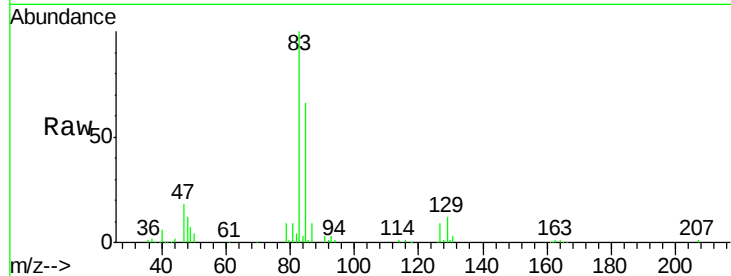
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	133148
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.7	76.1
127	9.3	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#48

Methyl methacrylate

Concen: 20.056 ug/l

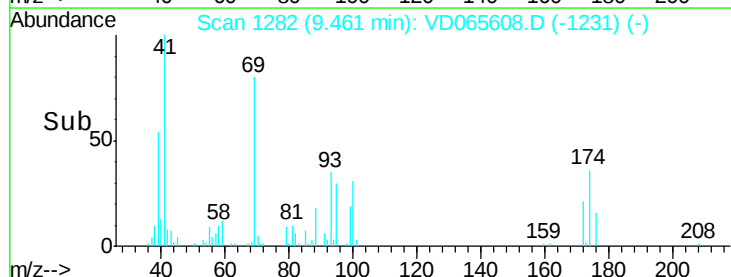
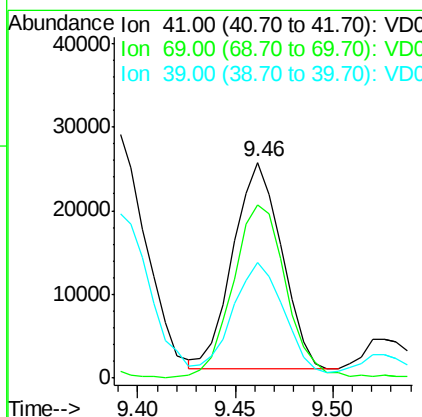
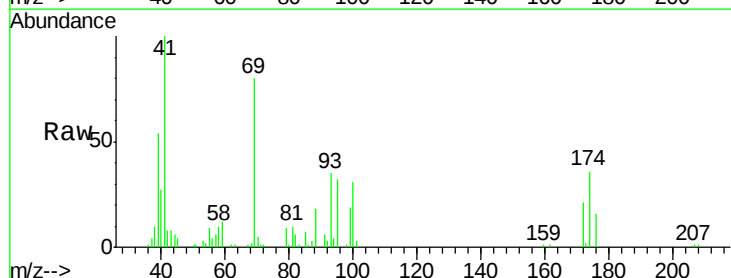
RT: 9.46 min Scan# 1282

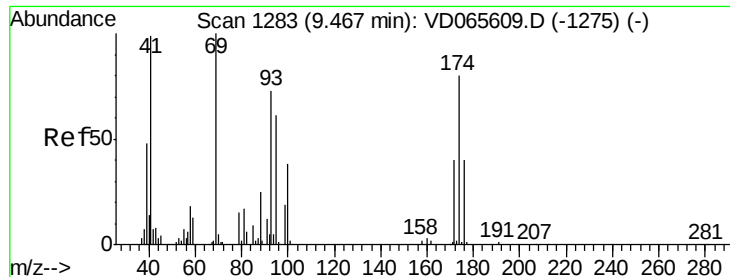
Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion:	41	Resp:	42608
Ion	Ratio	Lower	Upper
41	100		
69	91.8	72.4	108.6
39	54.7	43.5	65.3





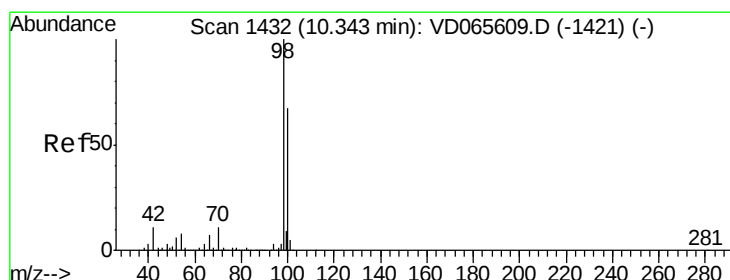
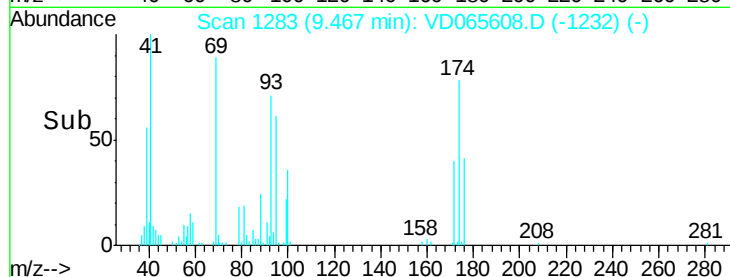
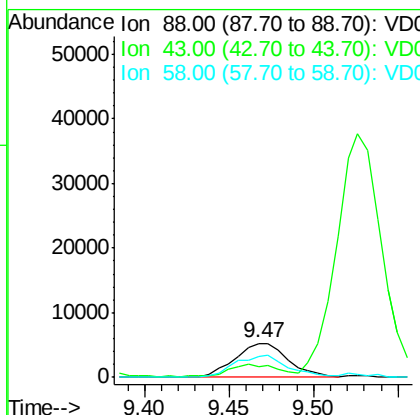
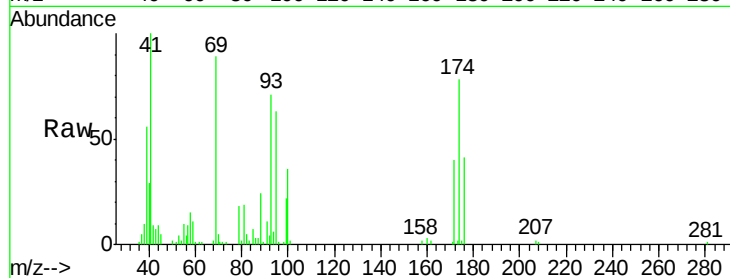
#49
1,4-Dioxane
Concen: 429.353 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	11498
Ion Ratio	Lower	Upper	
88	100		
43	38.3	29.8	44.8
58	64.9	57.7	86.5

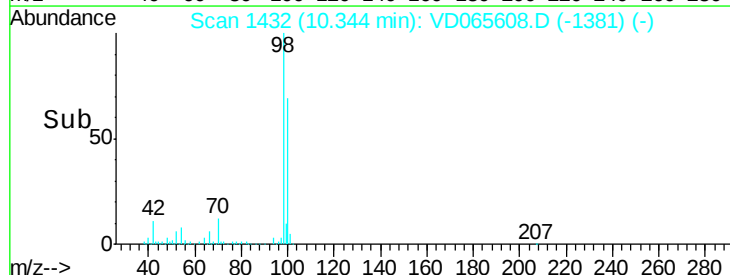
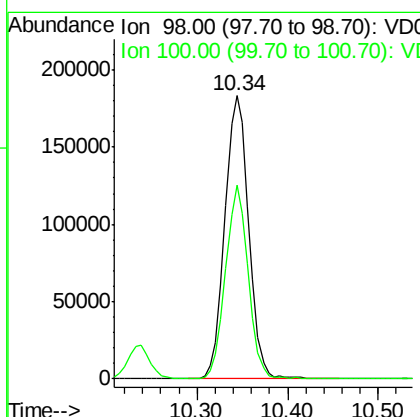
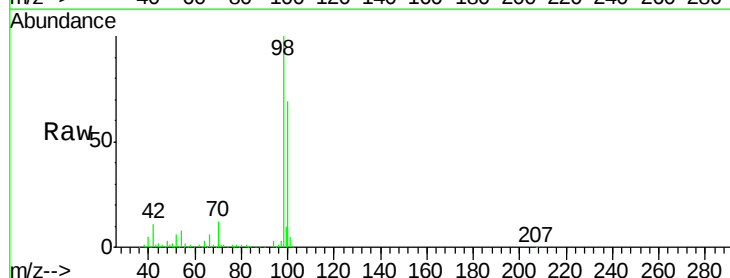
Manual Integrations
APPROVED

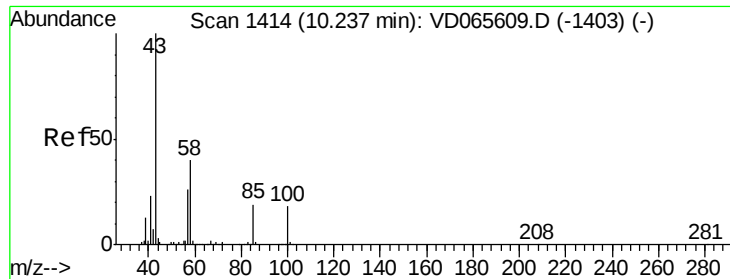
MMDadoda
4/10/2020 2:58:41 PM



#50
Toluene-d8
Concen: 19.968 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	98	Resp	334581
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.6	79.0





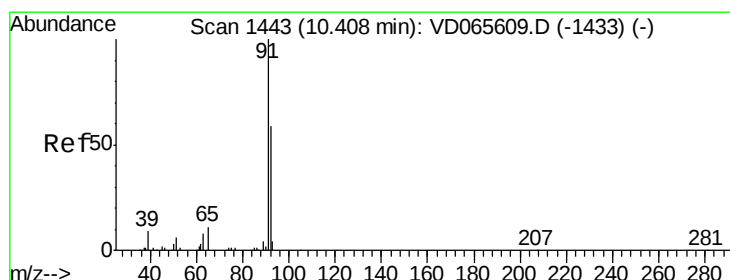
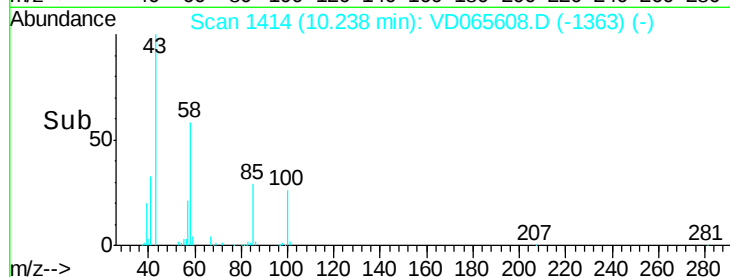
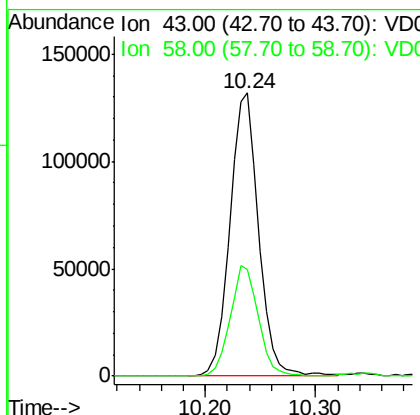
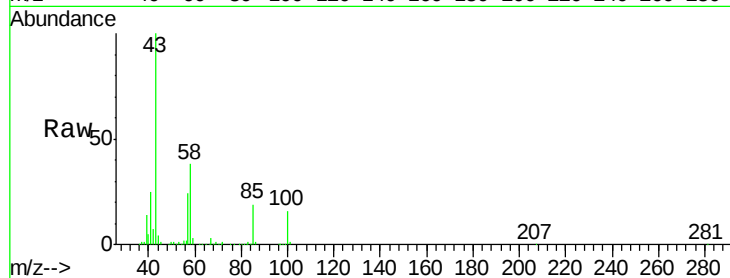
#51
4-Methyl-2-Pentanone
Concen: 101.669 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.4	47.2

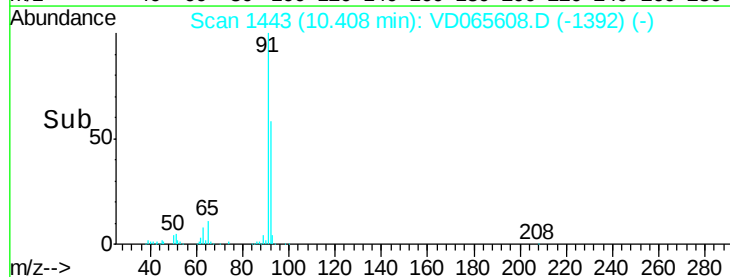
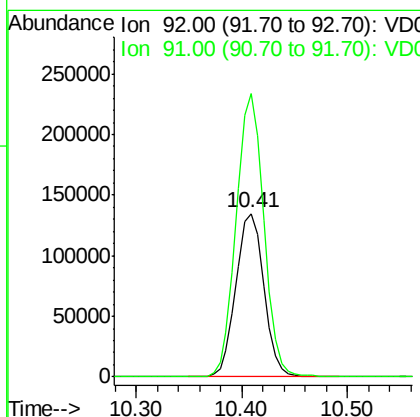
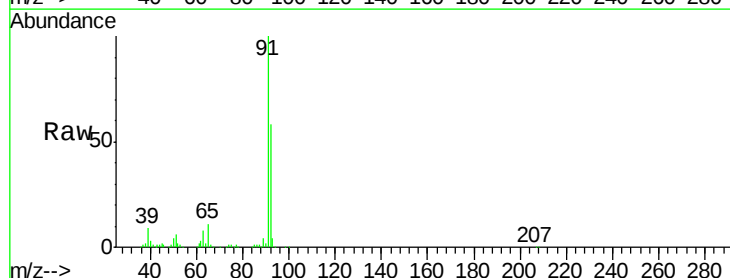
Manual Integrations
APPROVED

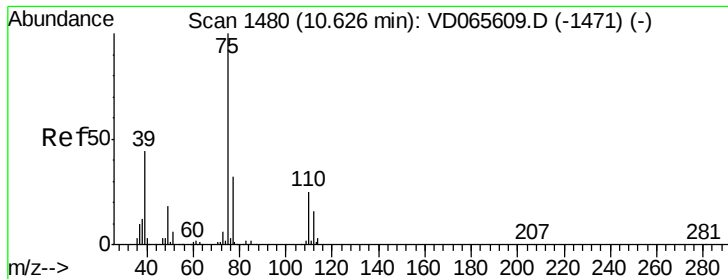
MMDadoda
4/10/2020 2:58:41 PM



#52
Toluene
Concen: 20.242 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.9	206.9





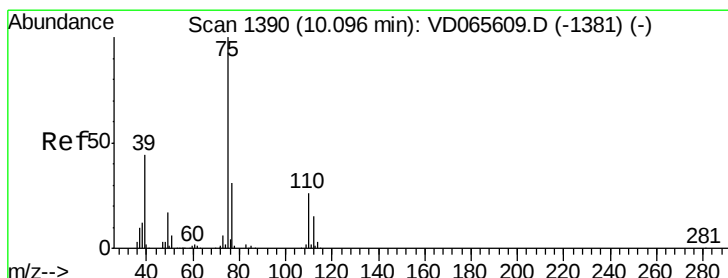
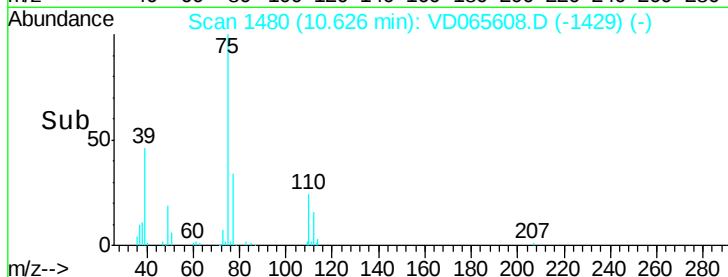
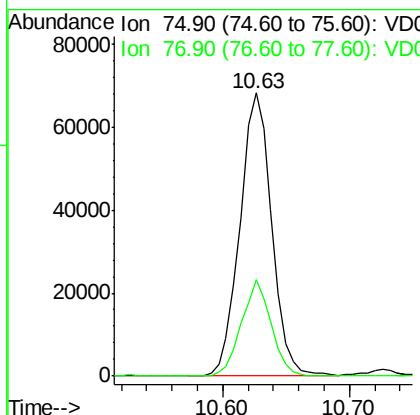
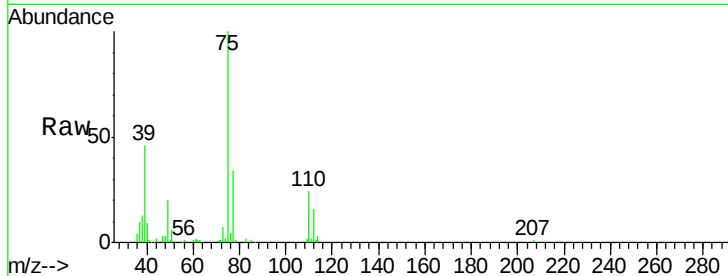
#53
 t-1,3-Dichloropropene
 Concen: 20.169 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 118701
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.4 38.0

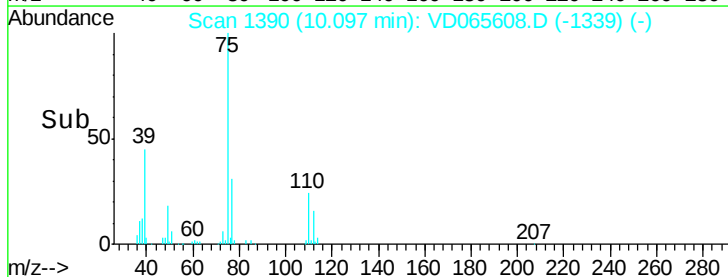
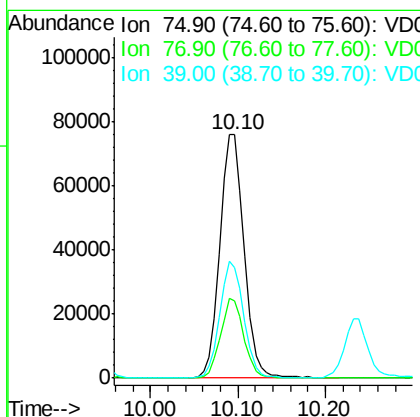
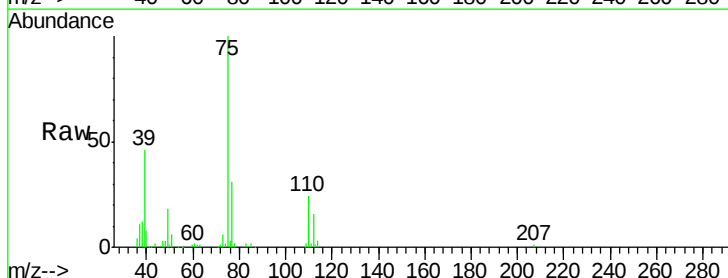
Manual Integrations
 APPROVED

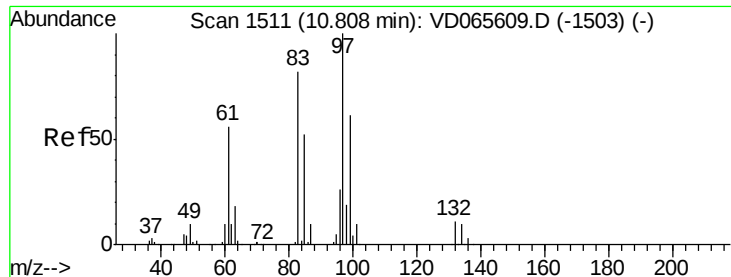
MMDadoda
 4/10/2020 2:58:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.208 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion: 75 Resp: 145622
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.5 36.7
 39 45.4 35.5 53.3





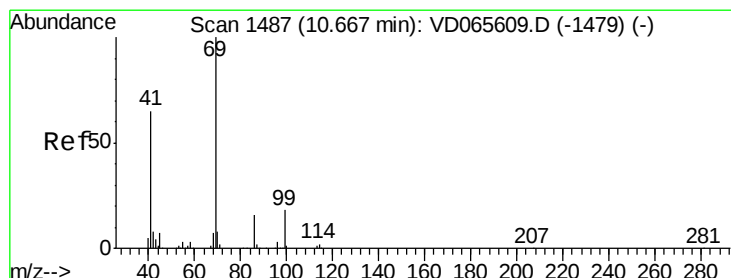
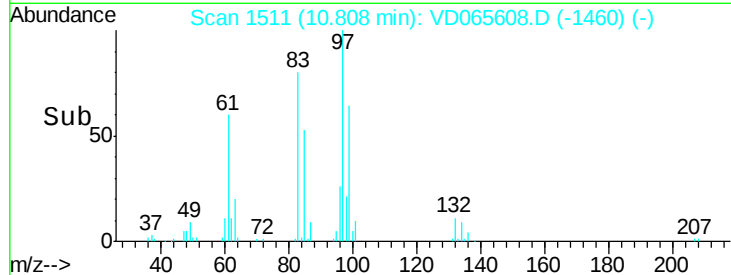
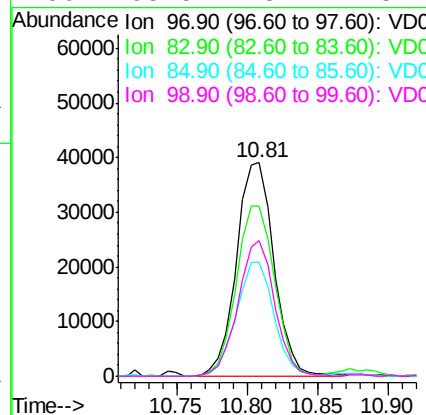
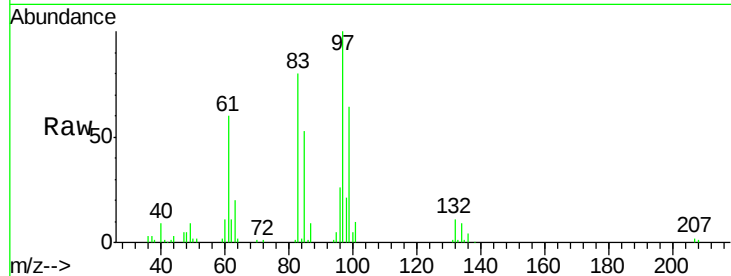
#55
 1,1,2-Trichloroethane
 Concen: 20.556 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	72940
Ion	Ratio	Lower	Upper
97	100		
83	79.6	65.7	98.5
85	53.2	41.6	62.4
99	63.5	48.7	73.1

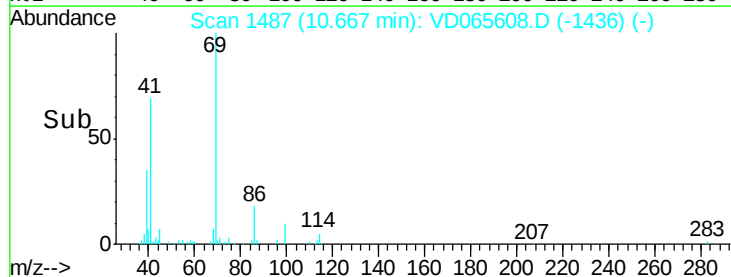
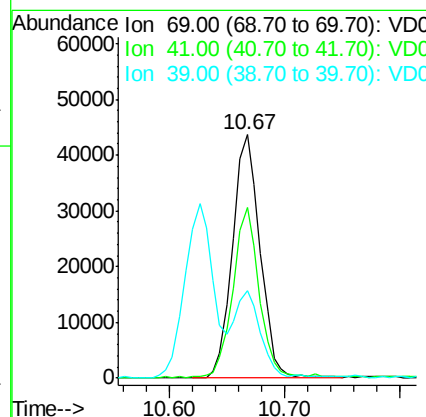
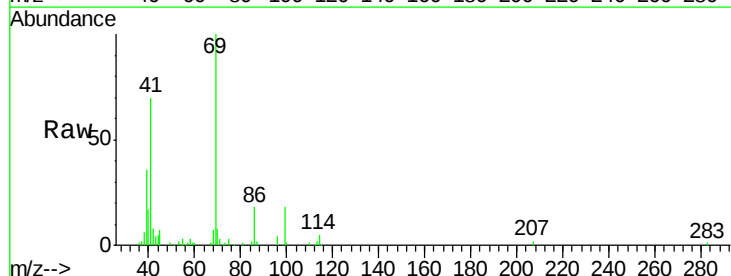
Manual Integrations
 APPROVED

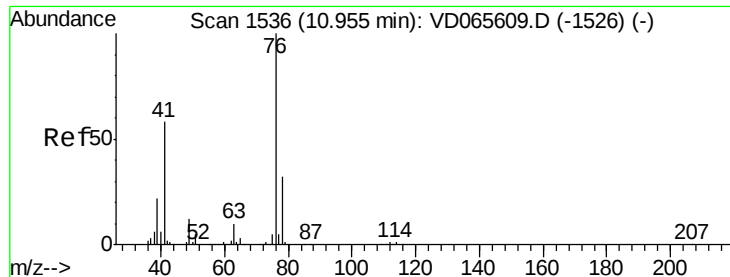
MMDadoda
 4/10/2020 2:58:41 PM



#56
 Ethyl methacrylate
 Concen: 20.213 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion:	69	Resp:	72340
Ion	Ratio	Lower	Upper
69	100		
41	65.6	54.4	81.6
39	32.8	26.5	39.7





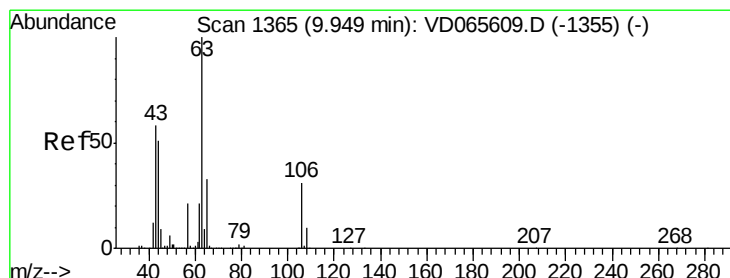
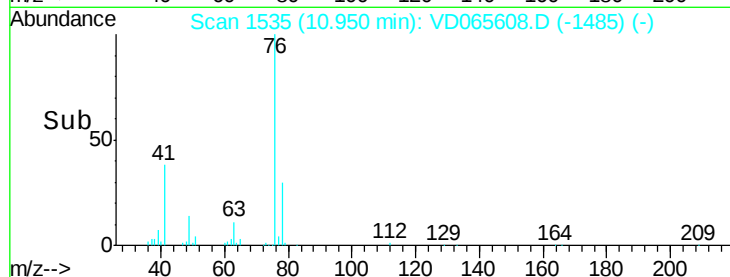
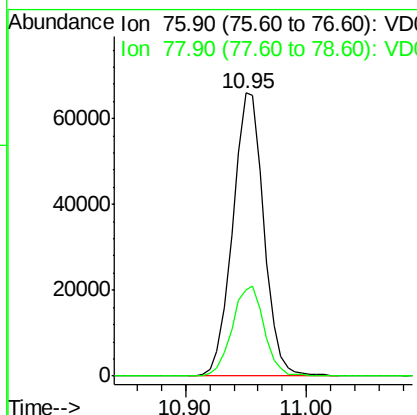
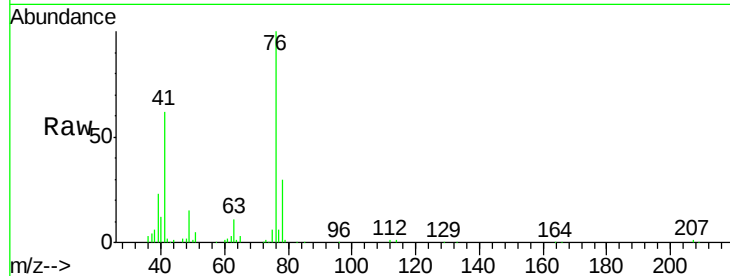
#57
 1,3-Dichloropropane
 Concen: 20.156 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 118463
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0

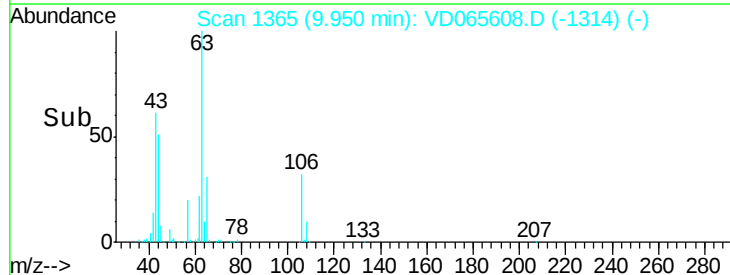
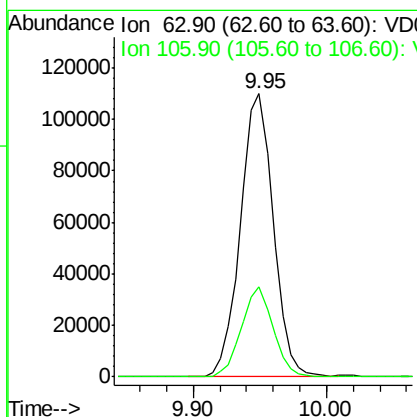
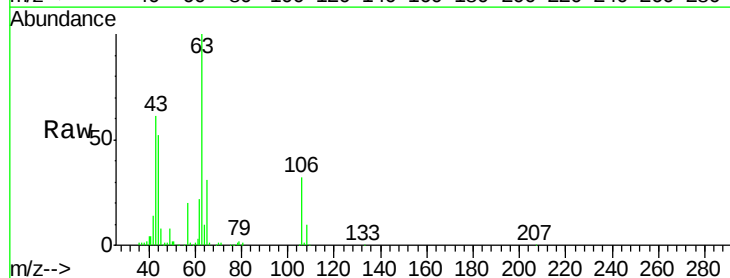
Manual Integrations
 APPROVED

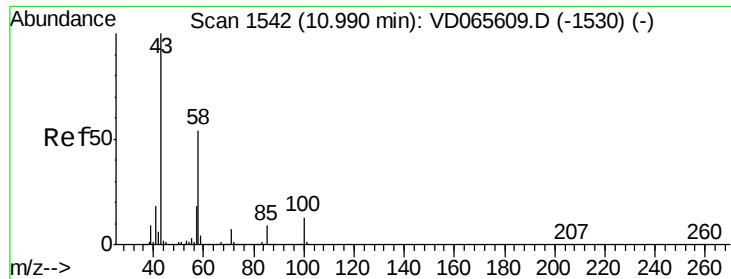
MMDadoda
 4/10/2020 2:58:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.735 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion: 63 Resp: 187445
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.2 36.2





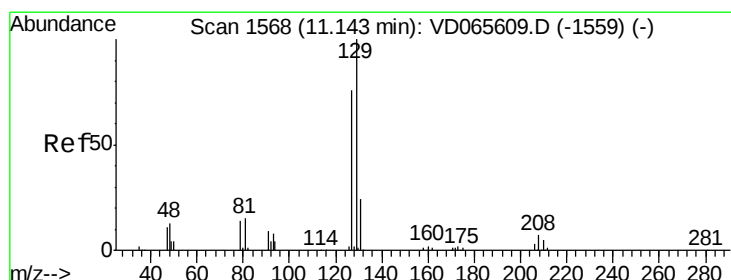
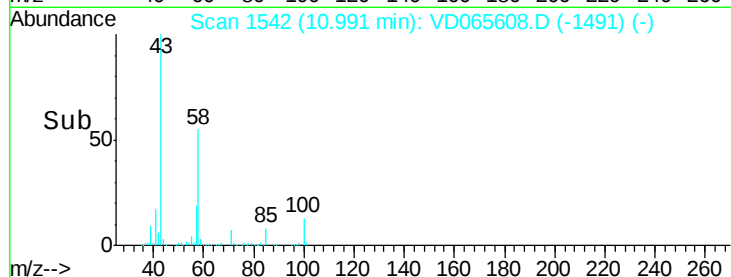
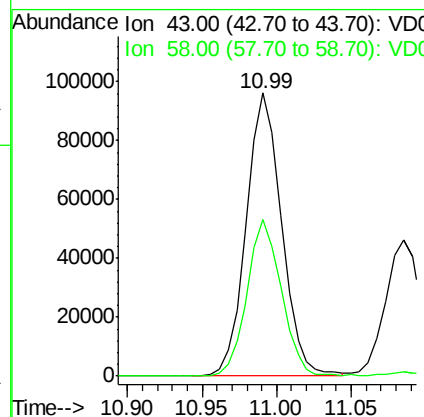
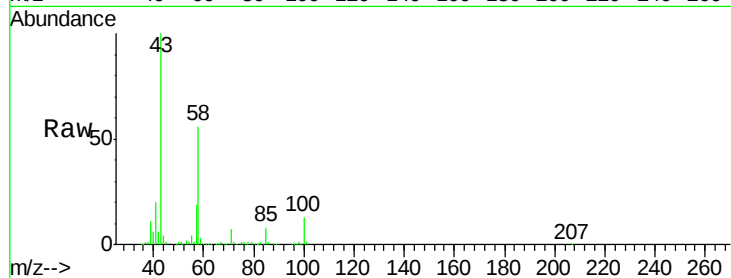
#59
2-Hexanone
Concen: 100.647 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 157894
Ion Ratio Lower Upper
43 100
58 53.6 27.1 81.3

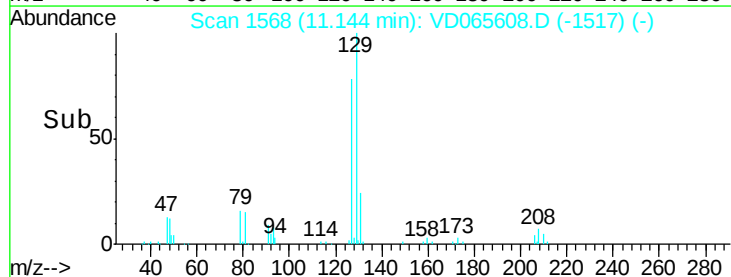
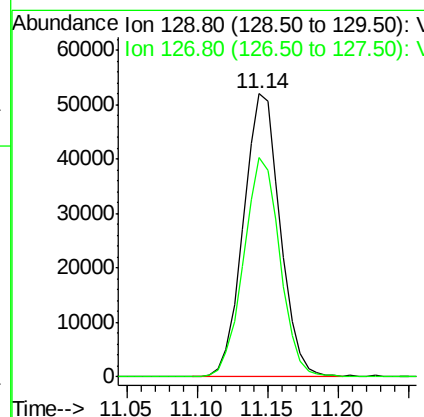
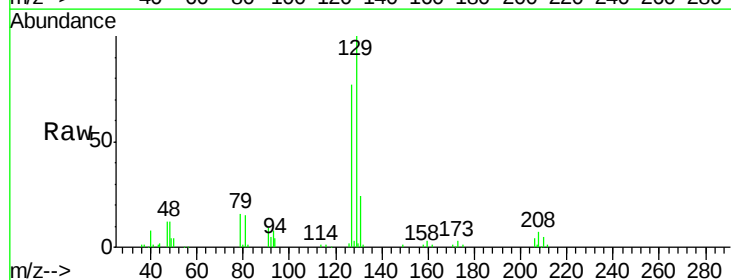
Manual Integrations
APPROVED

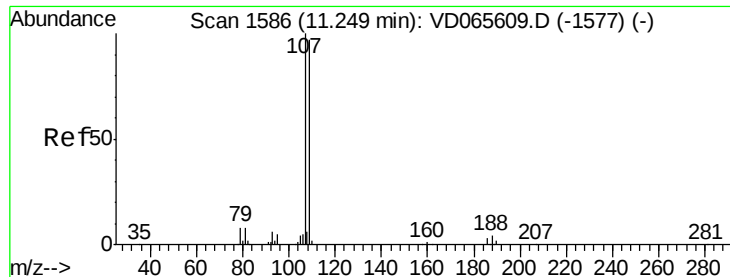
MMDadoda
4/10/2020 2:58:41 PM



#60
Dibromochloromethane
Concen: 19.994 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion: 129 Resp: 94489
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





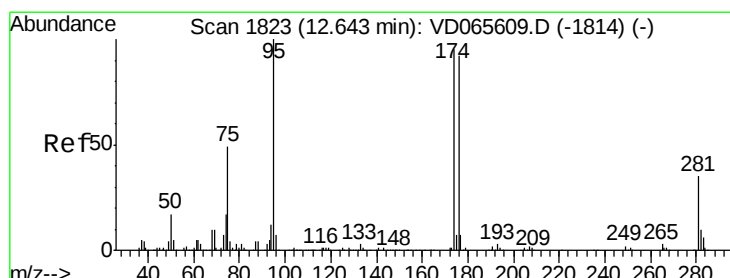
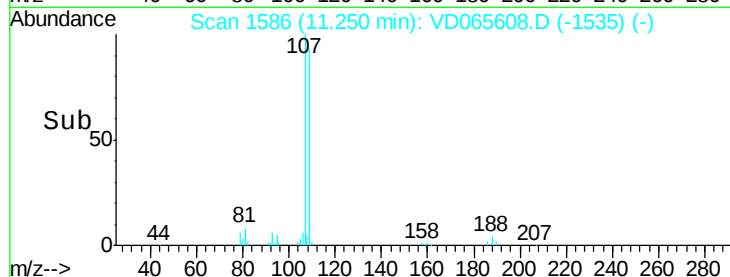
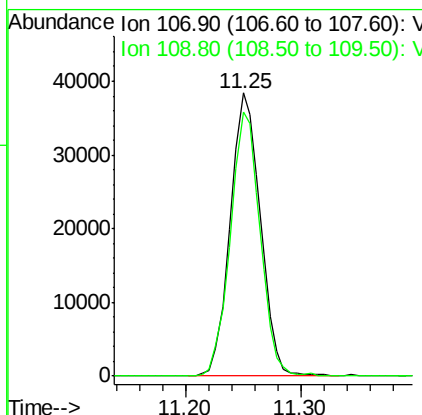
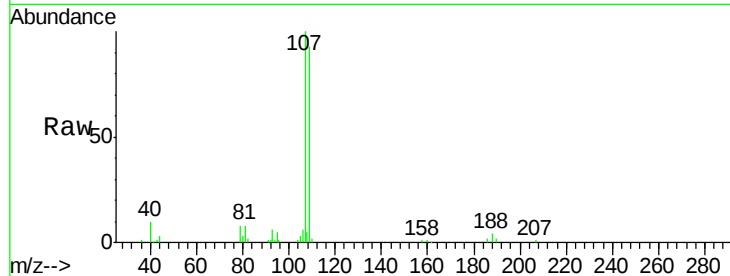
#61
 1,2-Dibromoethane
 Concen: 20.590 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.9	112.3

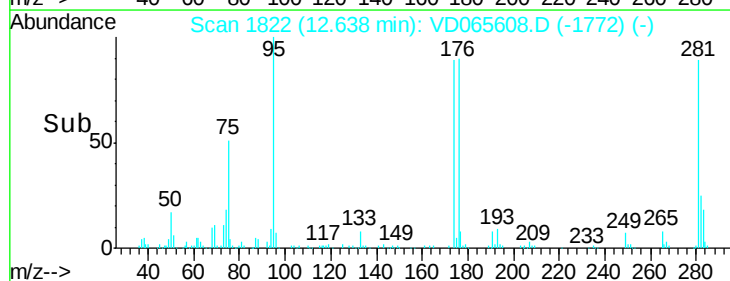
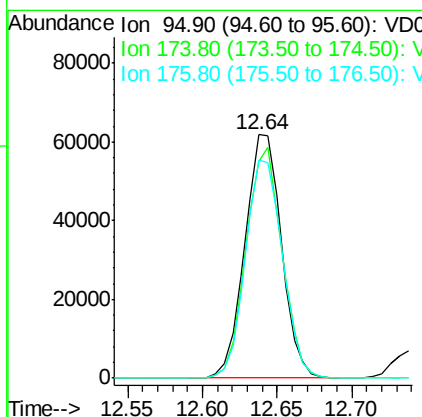
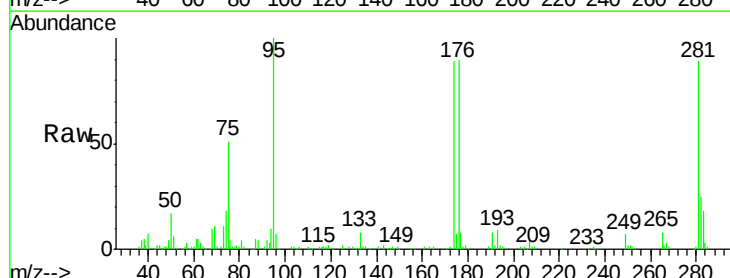
Manual Integrations
 APPROVED

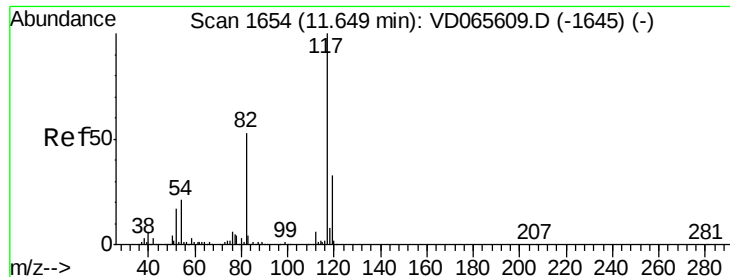
MMDadoda
 4/10/2020 2:58:41 PM



#62
 4-Bromofluorobenzene
 Concen: 19.462 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	182.8
176	90.5	0.0	176.6





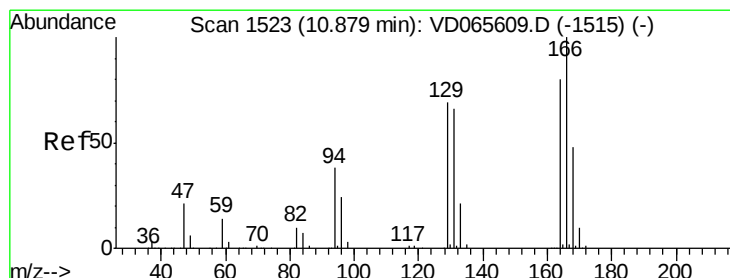
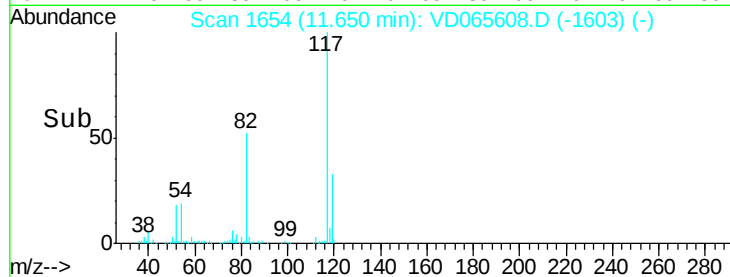
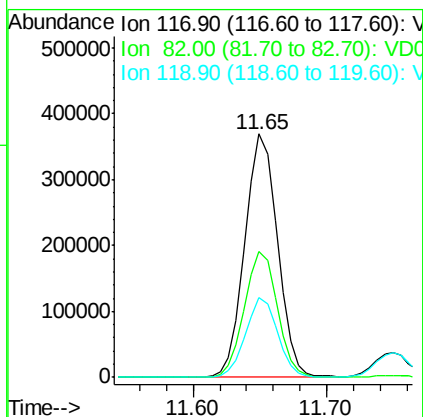
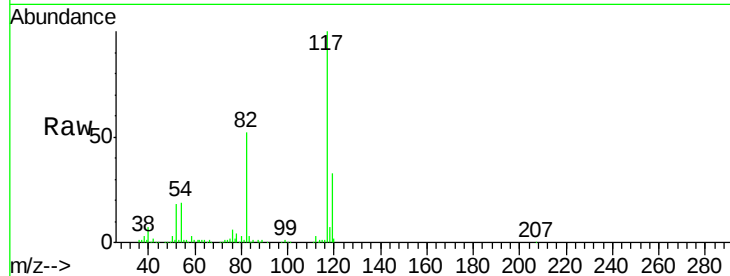
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.6	64.0
119	32.7	26.7	40.1

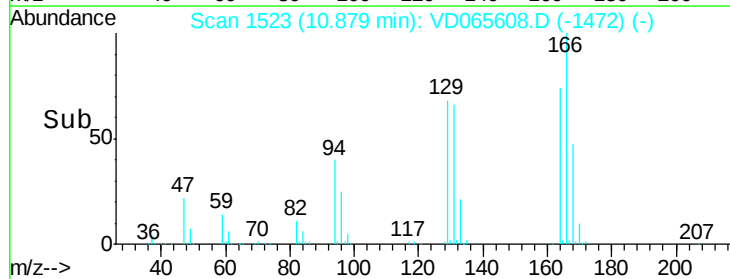
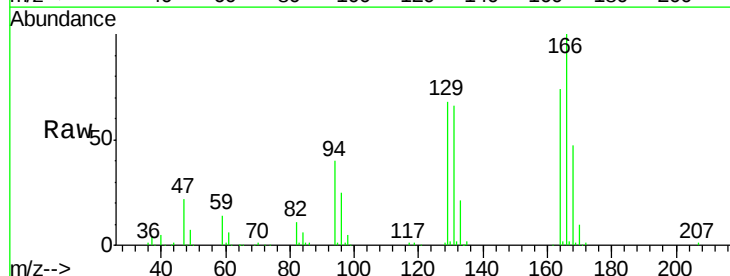
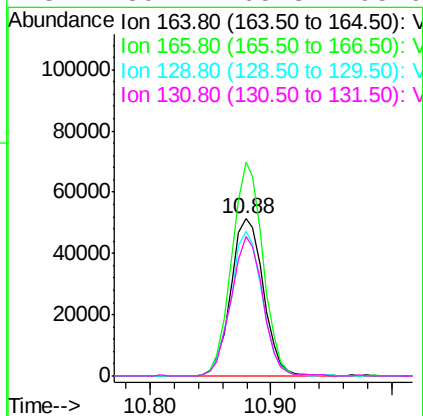
Manual Integrations
APPROVED

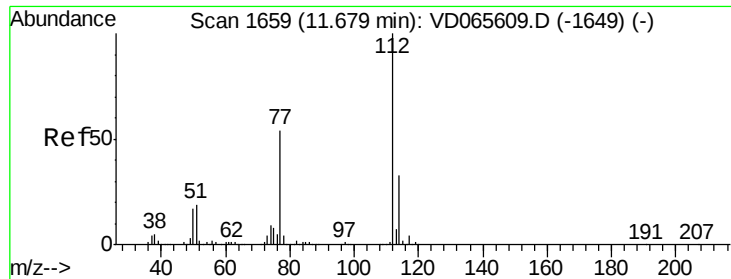
MMDadoda
4/10/2020 2:58:41 PM



#64
Tetrachloroethene
Concen: 19.466 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.9	100.2	150.2
129	92.1	69.5	104.3
131	89.2	65.8	98.6





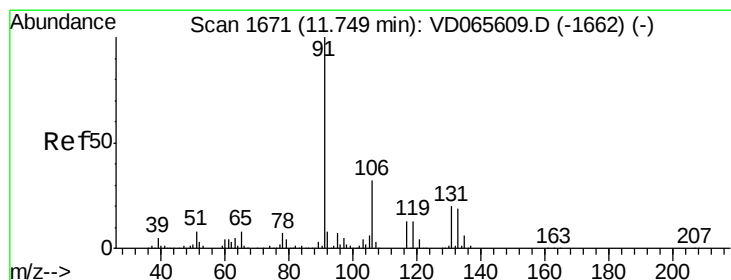
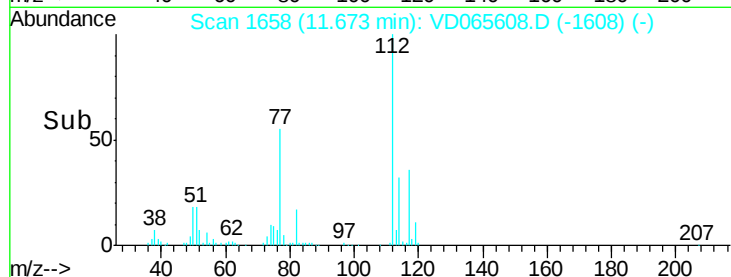
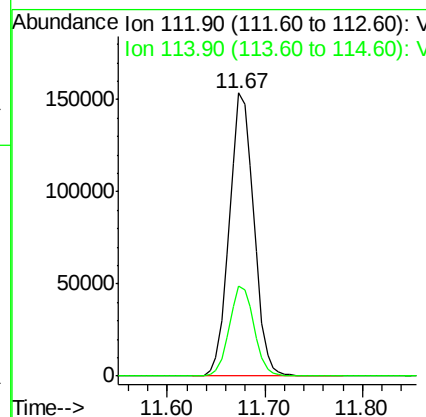
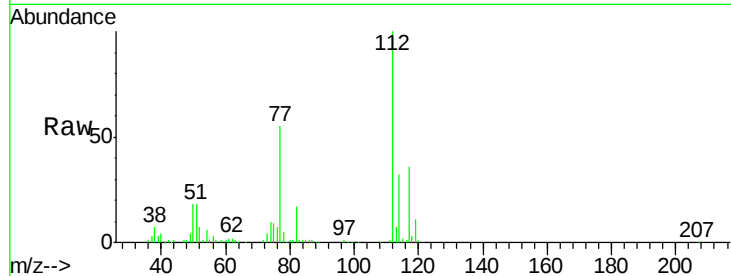
#65
Chlorobenzene
Concen: 19.731 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

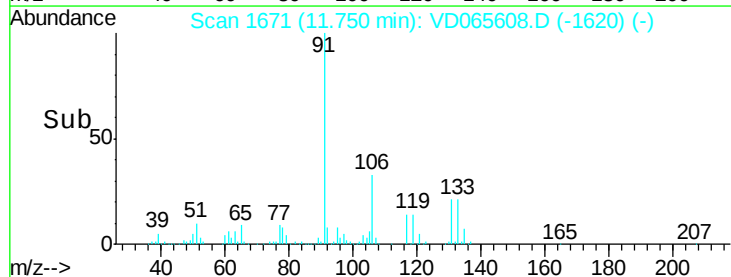
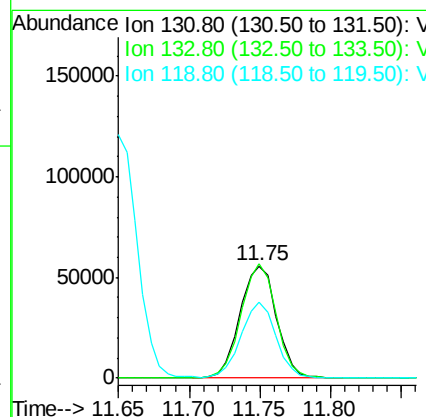
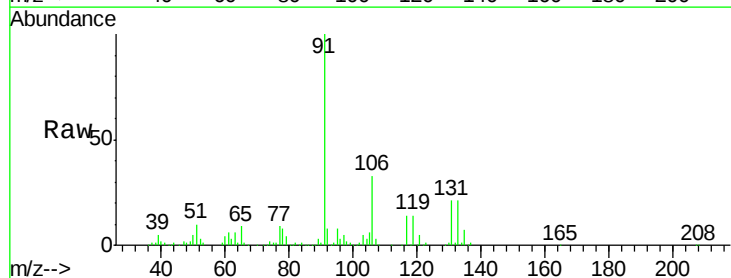
Manual Integrations
APPROVED

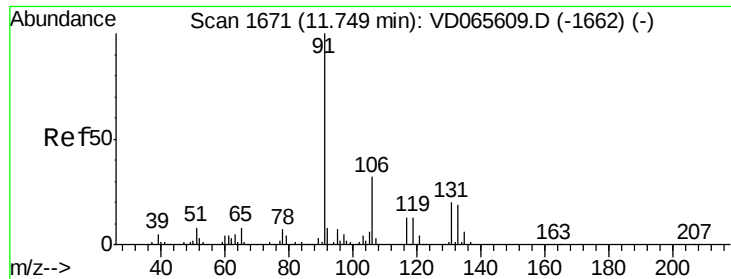
MMDadoda
4/10/2020 2:58:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.600 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.3	142.0
119	64.8	31.9	95.9





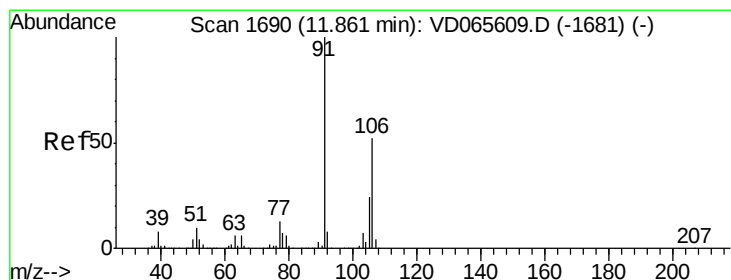
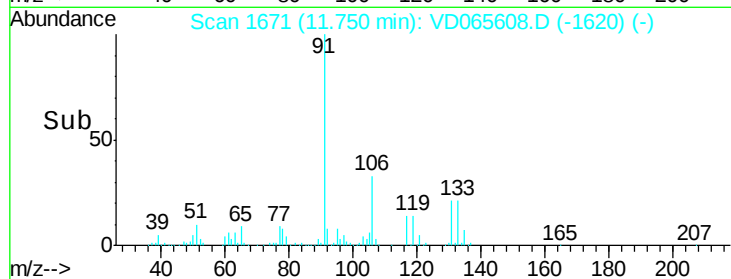
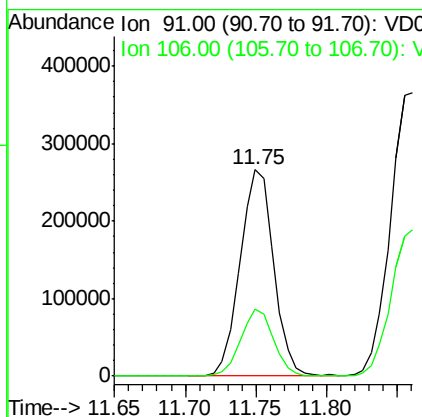
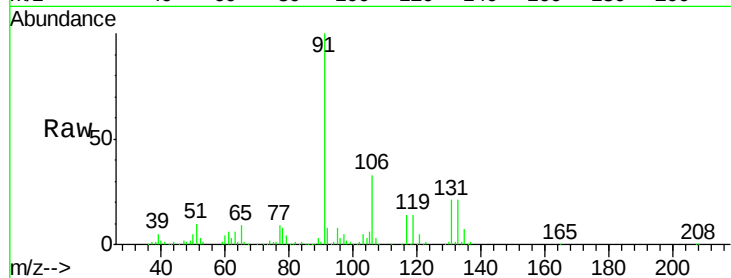
#67
Ethyl Benzene
Concen: 19.897 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 445459
Ion Ratio Lower Upper
91 100
106 32.8 25.6 38.4

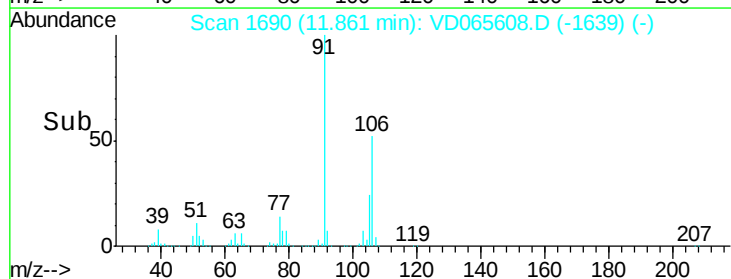
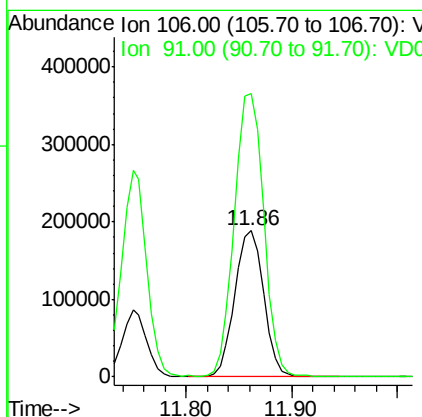
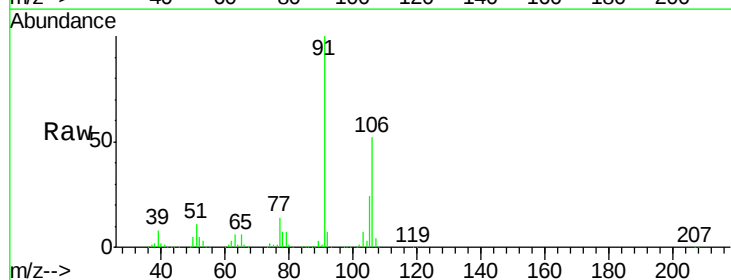
Manual Integrations
APPROVED

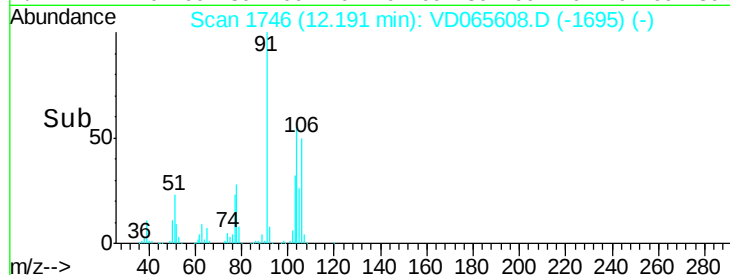
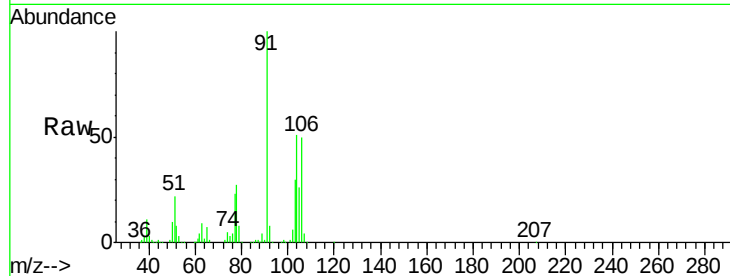
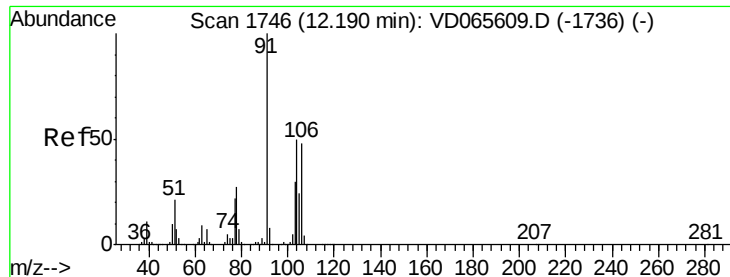
MMDadoda
4/10/2020 2:58:41 PM



#68
m/p-Xylenes
Concen: 40.618 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion: 106 Resp: 358777
Ion Ratio Lower Upper
106 100
91 197.6 155.0 232.4





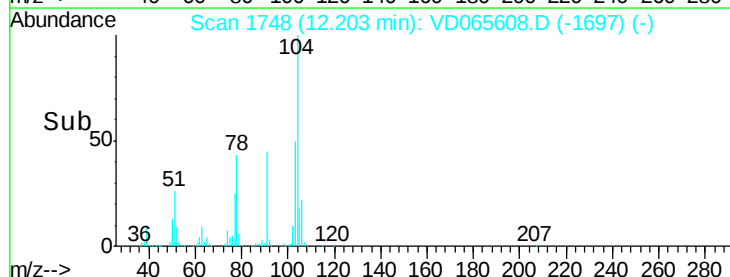
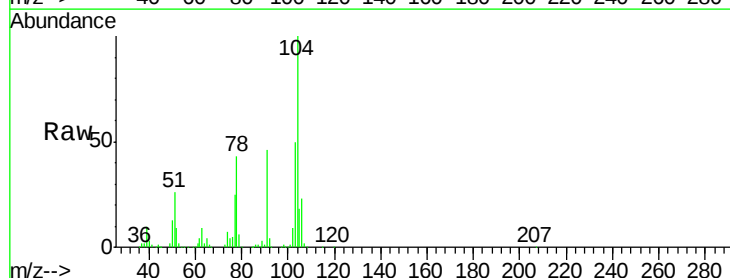
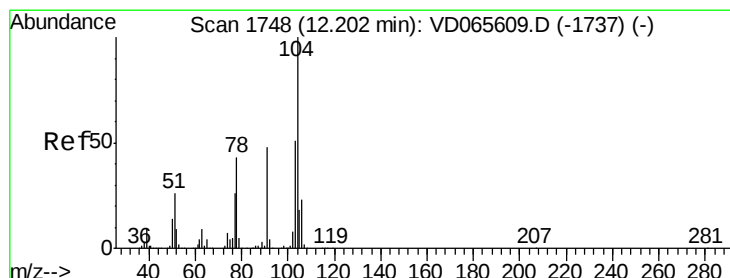
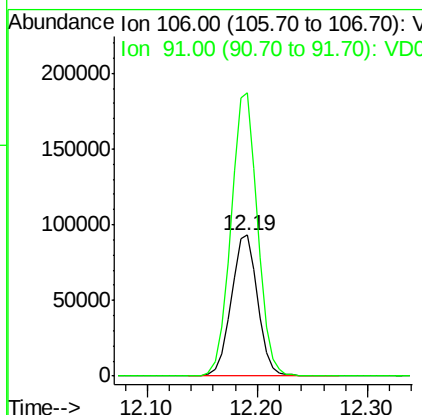
#69
o-Xylene
Concen: 20.460 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tot Ion	Ratio	Resp	Lower	Upper
106	100	155725		
91	202.8	103.8	311.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

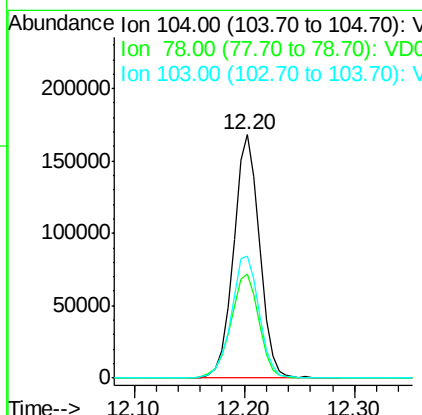
Manual Integrations
APPROVED

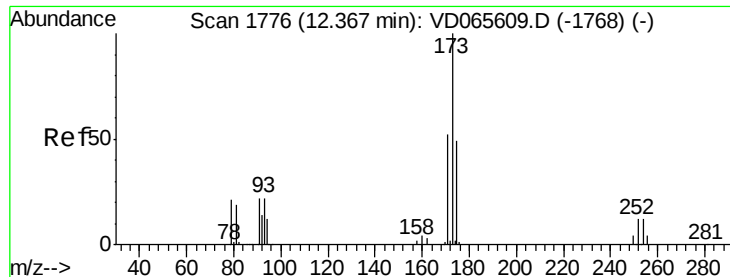
MMDadoda
4/10/2020 2:58:41 PM



#70
Styrene
Concen: 20.620 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	277466		
78	46.5	37.1	55.7	
103	54.0	43.2	64.8	





#71

Bromoform

Concen: 19.879 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 57583

Ion Ratio Lower Upper

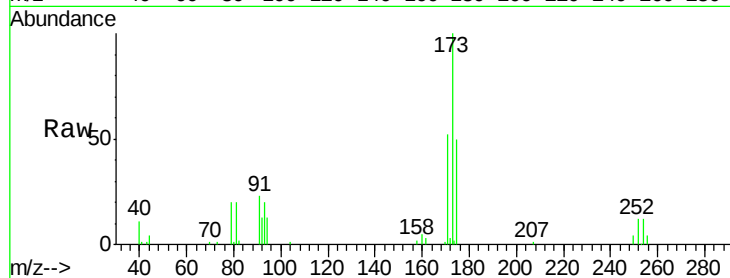
173 100

175 48.4 24.5 73.5

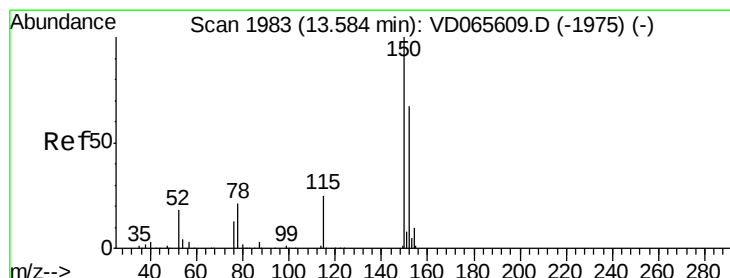
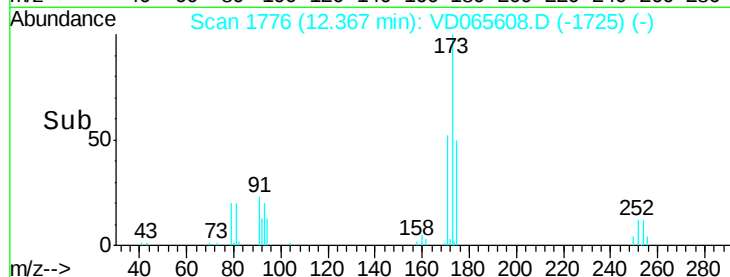
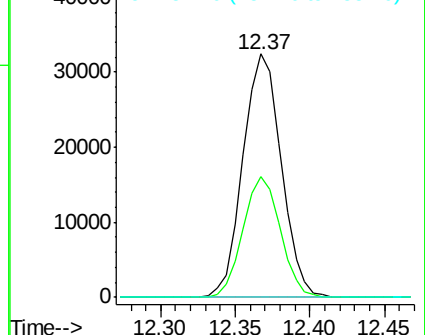
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 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# 1983

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

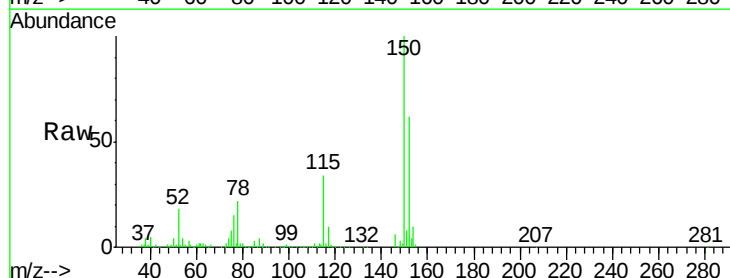
Tgt Ion:152 Resp: 323293

Ion Ratio Lower Upper

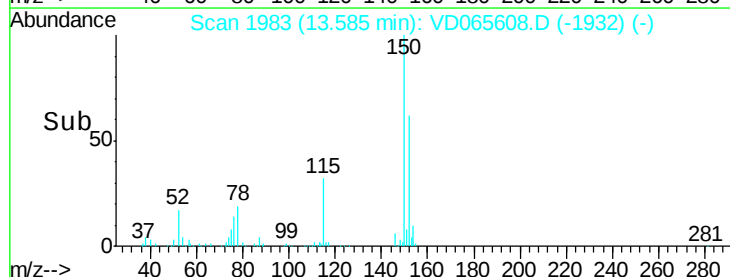
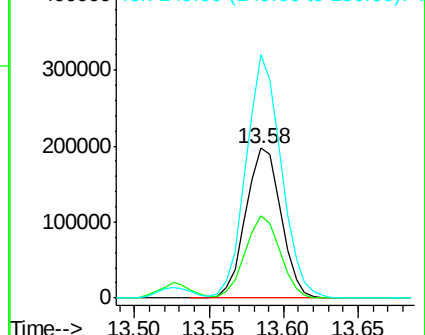
152 100

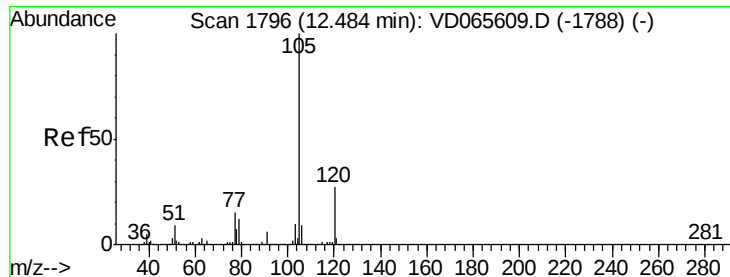
115 54.7 27.1 81.2

150 161.7 0.0 348.2



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





#73

Isopropylbenzene

Concen: 20.245 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 417025

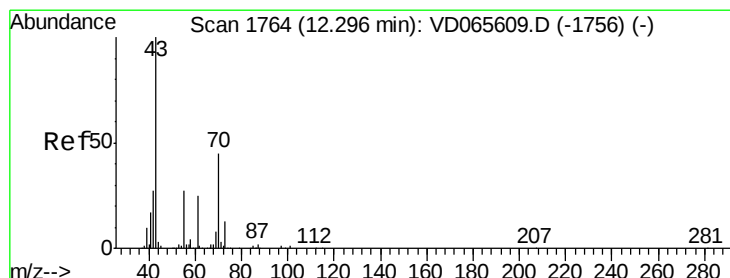
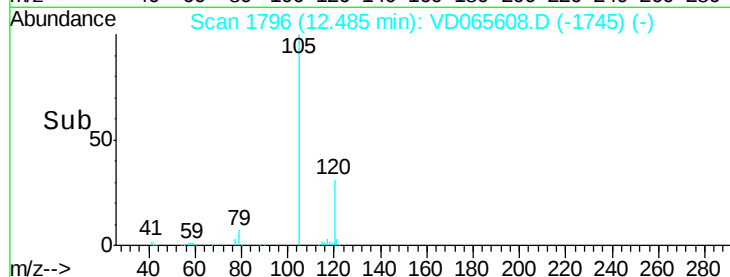
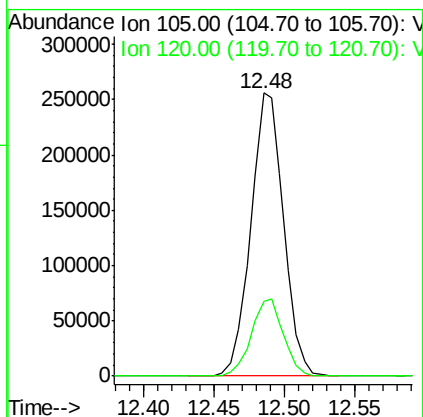
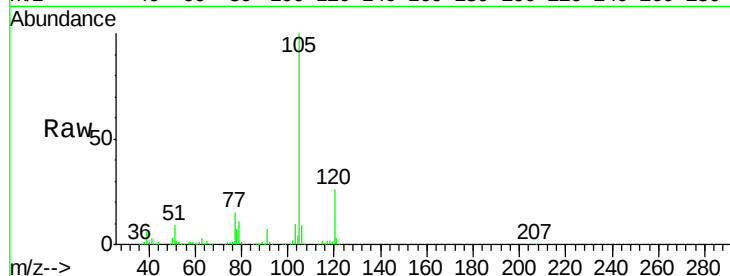
Ion Ratio Lower Upper

105 100

120 26.9 13.8 41.3

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#74

N-ethyl acetate

Concen: 19.893 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion: 43 Resp: 81153

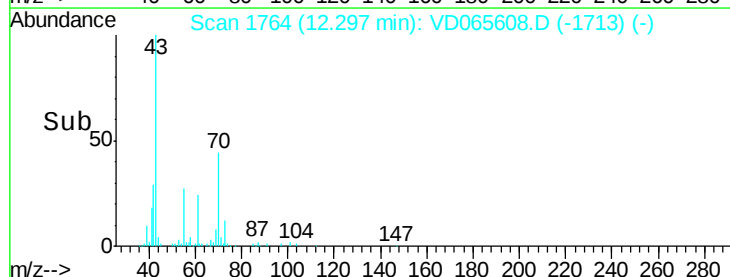
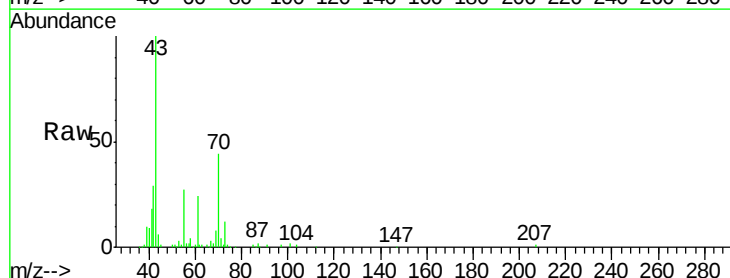
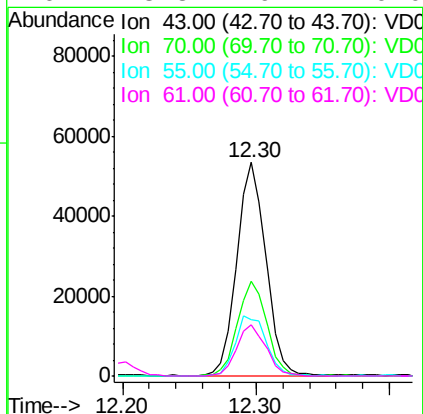
Ion Ratio Lower Upper

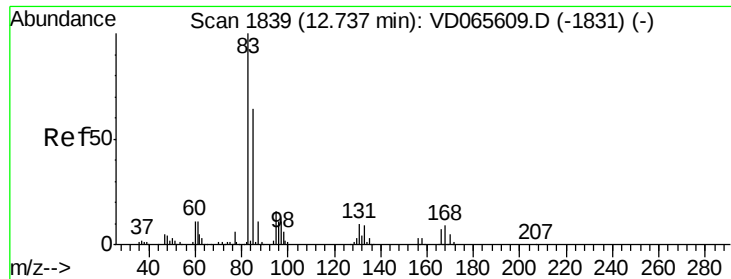
43 100

70 44.2 35.2 52.8

55 30.0 22.5 33.7

61 23.8 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.929 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

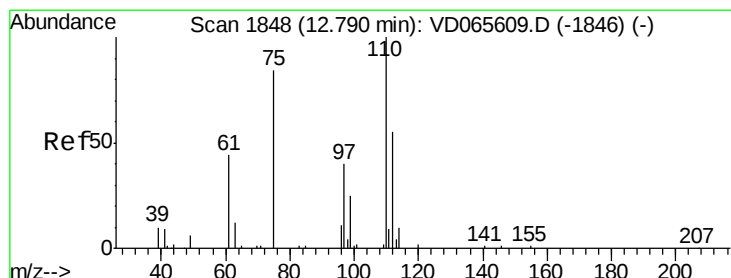
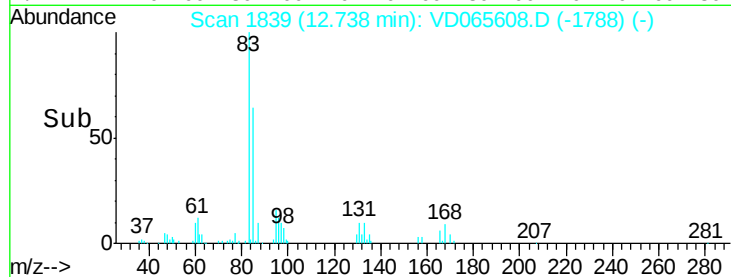
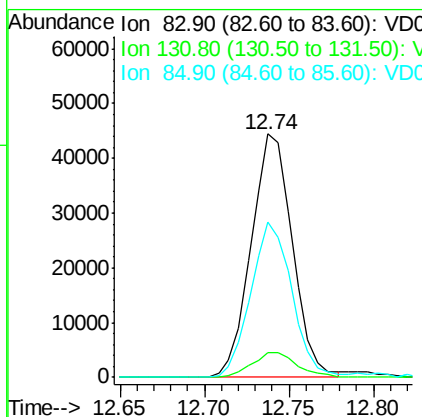
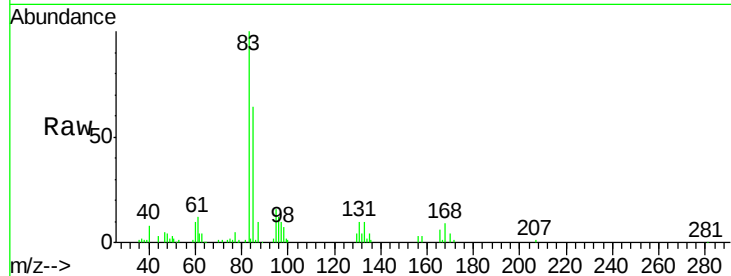
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	75465
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	63.7	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#76

1,2,3-Trichloropropane

Concen: 11.972 ug/l m

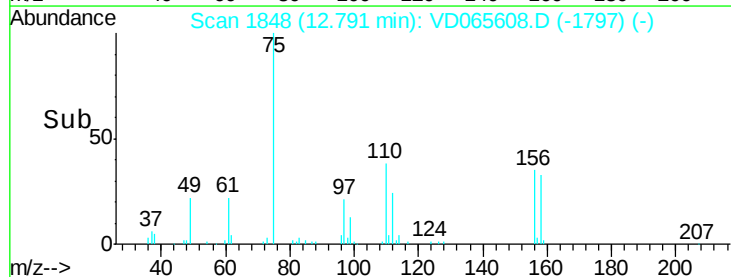
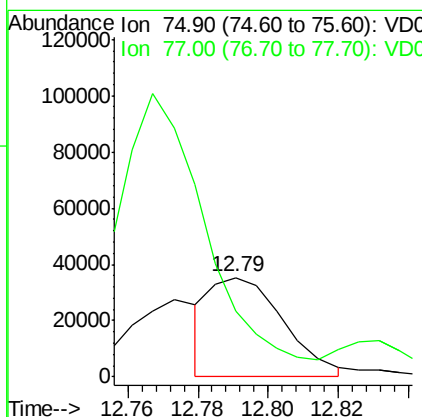
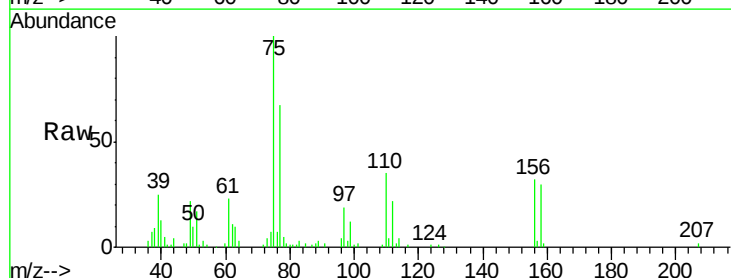
RT: 12.79 min Scan# 1848

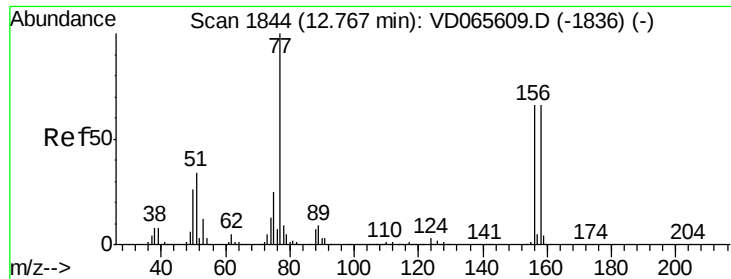
Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion:	75	Resp:	52003
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.818 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

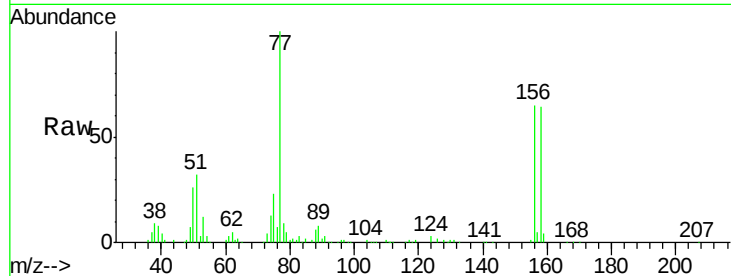
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.9	80.3	240.9
158	97.5	48.5	145.5

Manual Integrations
APPROVED

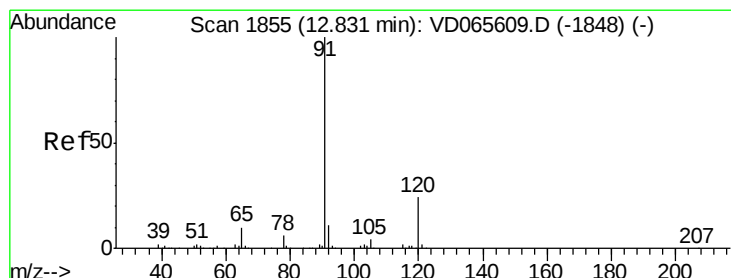
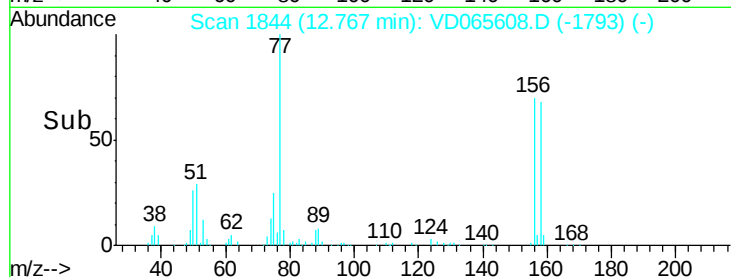
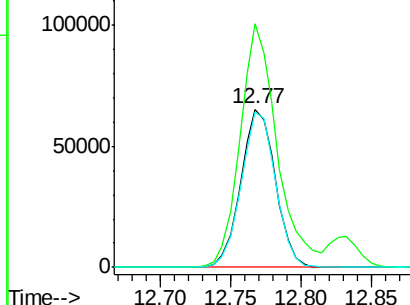
MMDadoda
4/10/2020 2:58:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.533 ug/l

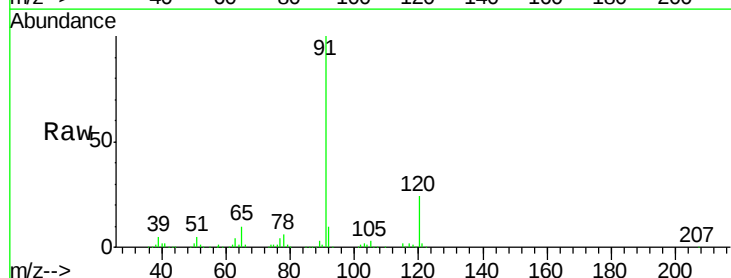
RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD065608.D

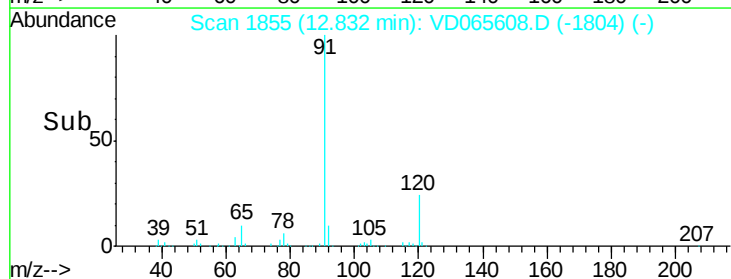
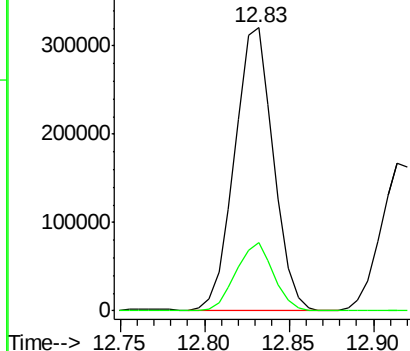
Acq: 09 Apr 2020 11:35

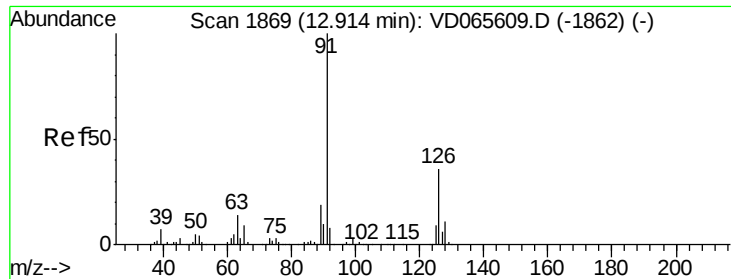
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





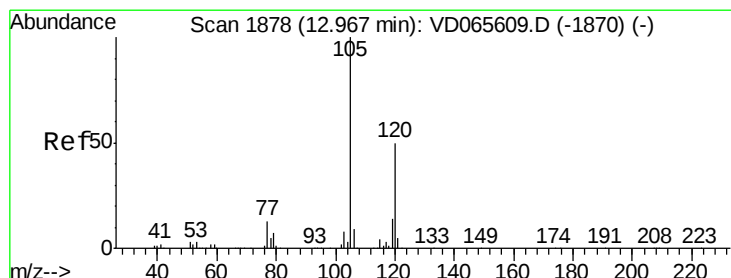
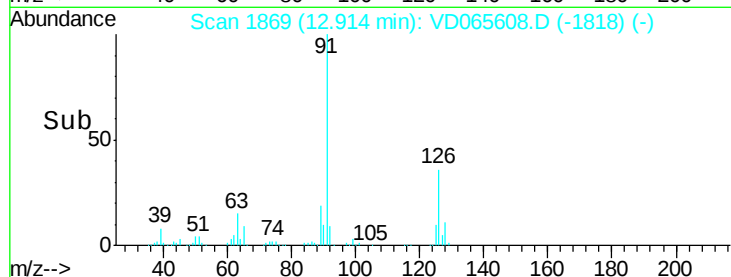
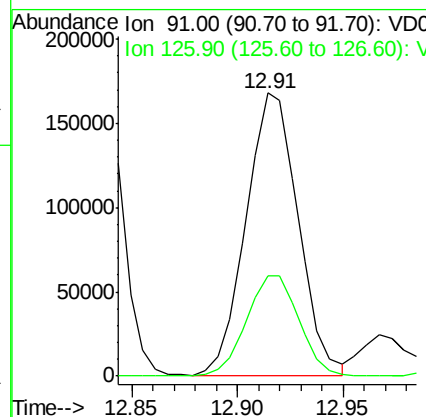
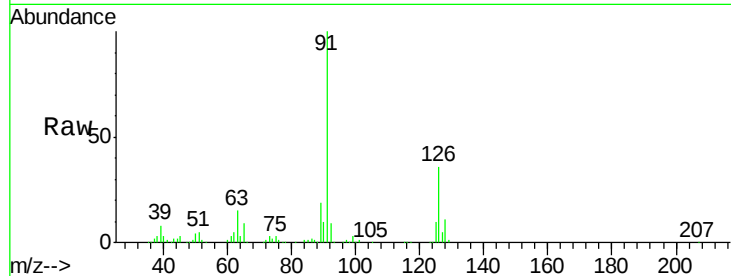
#79
 2-Chlorotoluene
 Concen: 20.181 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 287533
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.0 54.0

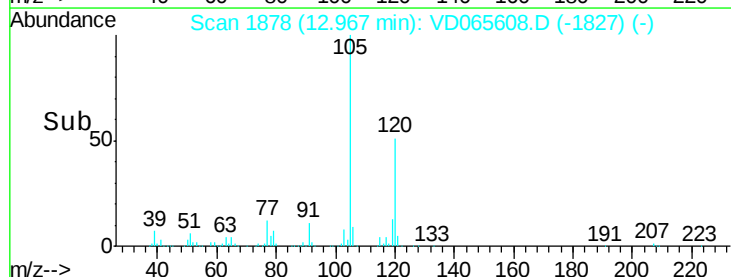
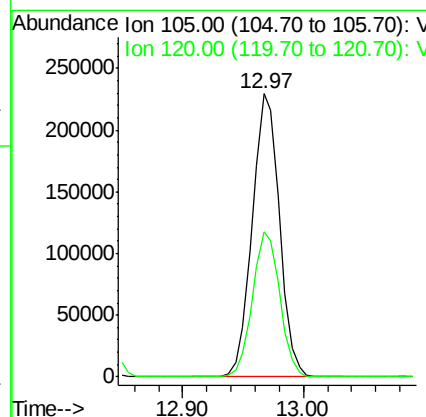
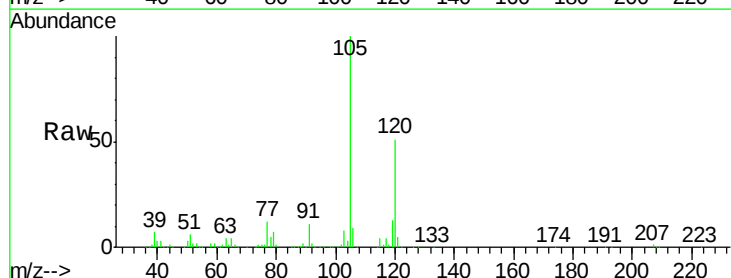
Manual Integrations
 APPROVED

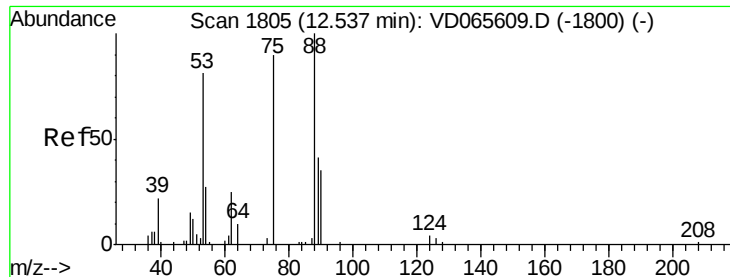
MMDadoda
 4/10/2020 2:58:41 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.795 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion: 105 Resp: 361030
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.7 77.0





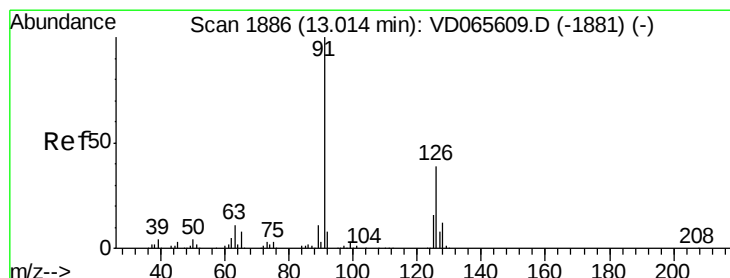
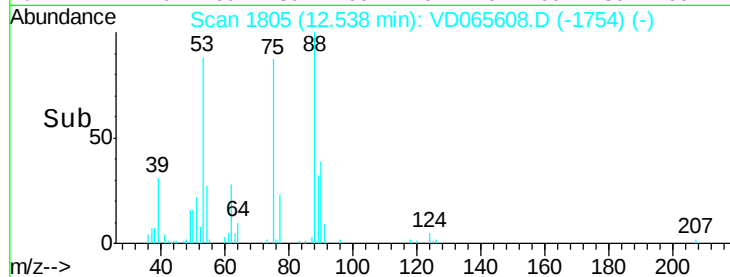
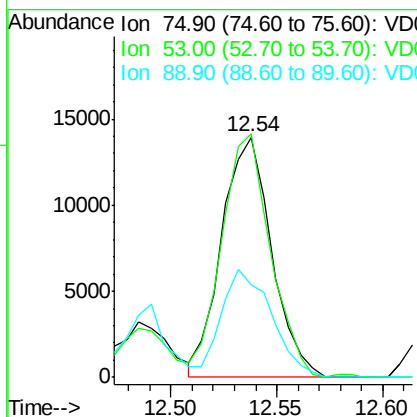
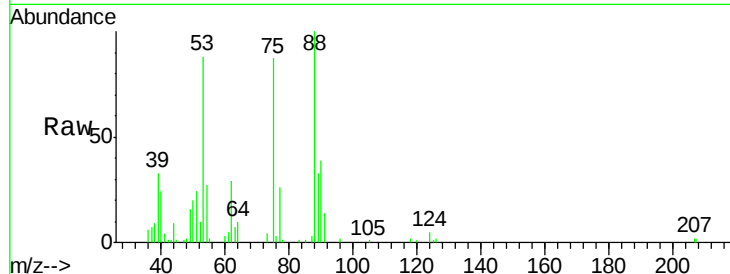
#81
trans-1,4-Dichloro-2-butene
Concen: 20.377 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	73.8	110.8
89	45.7	36.1	54.1

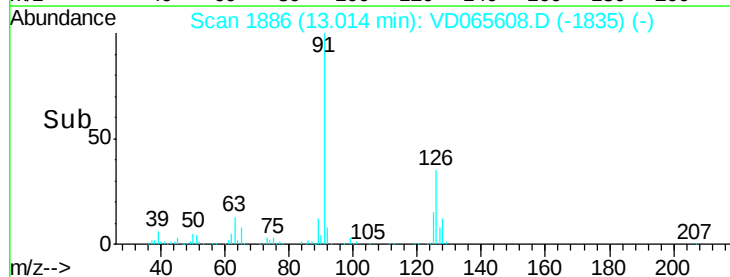
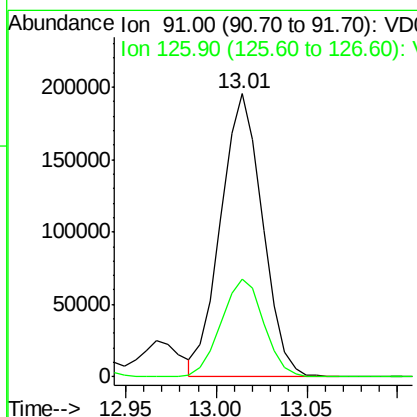
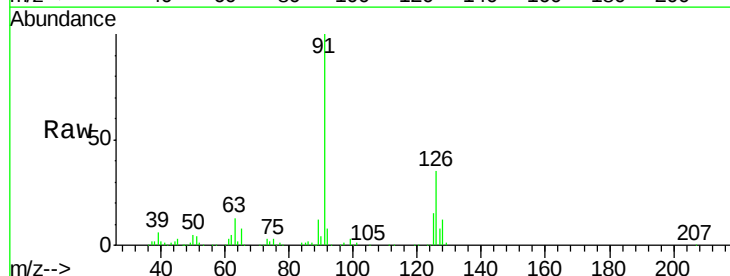
Manual Integrations
APPROVED

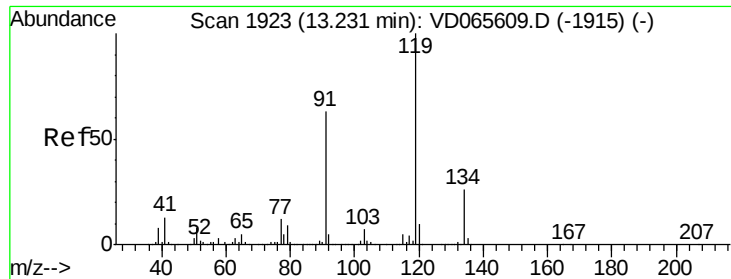
MMDadoda
4/10/2020 2:58:41 PM



#82
4-Chlorotoluene
Concen: 20.340 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	18.1	54.4





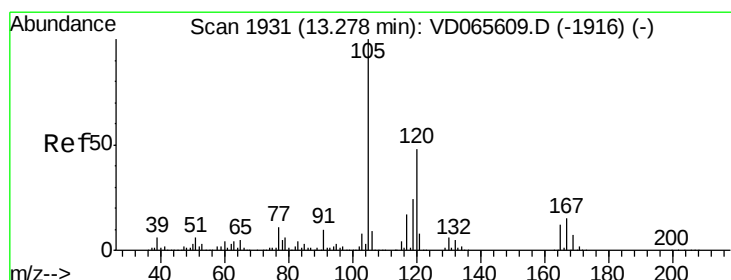
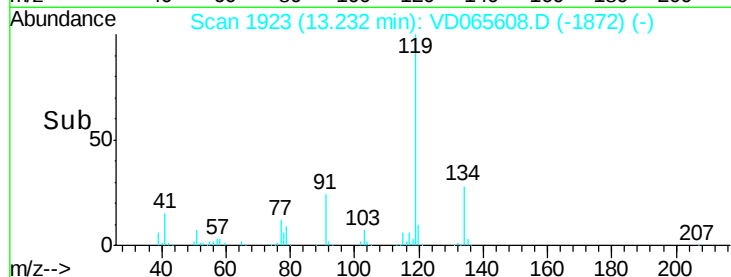
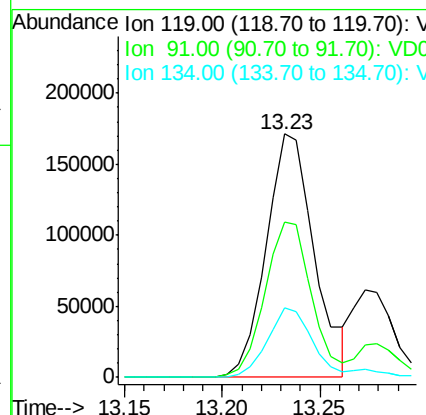
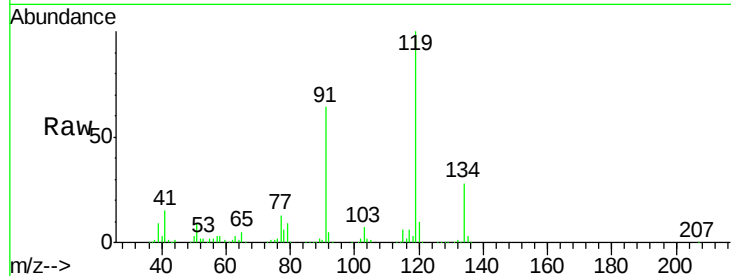
#83
tert-Butylbenzene
Concen: 20.196 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293198		
91	61.5	30.4	91.2	
134	28.7	13.7	41.0	

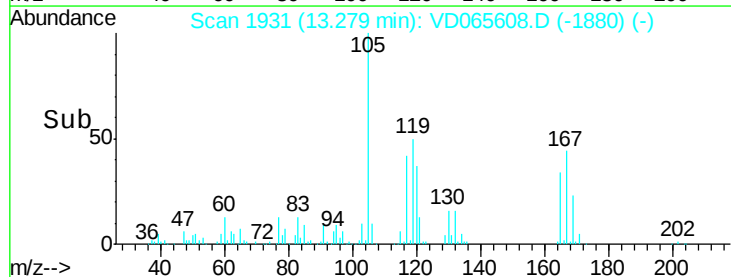
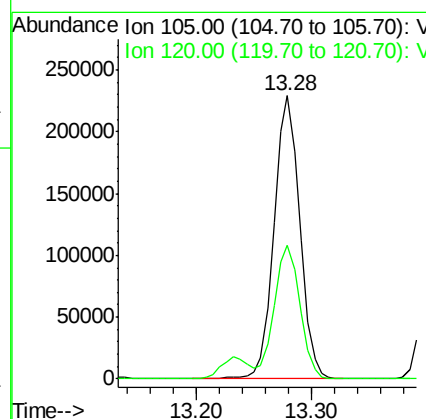
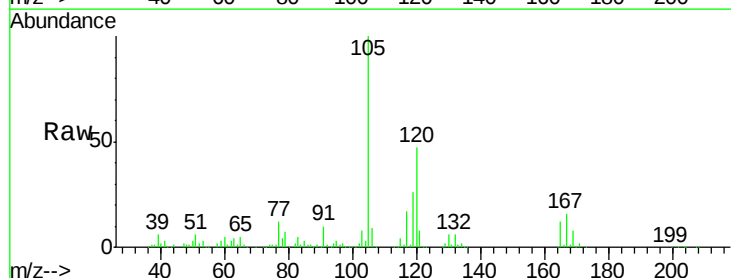
Manual Integrations
APPROVED

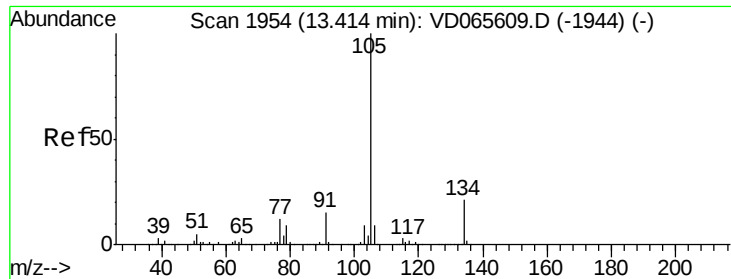
MMDadoda
4/10/2020 2:58:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.617 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355704		
120	47.4	23.5	70.6	





#85

sec-Butylbenzene

Concen: 20.340 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 420174

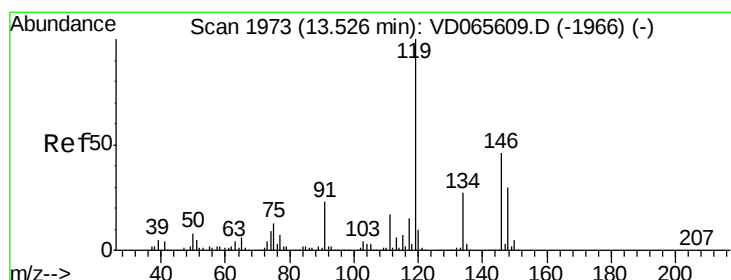
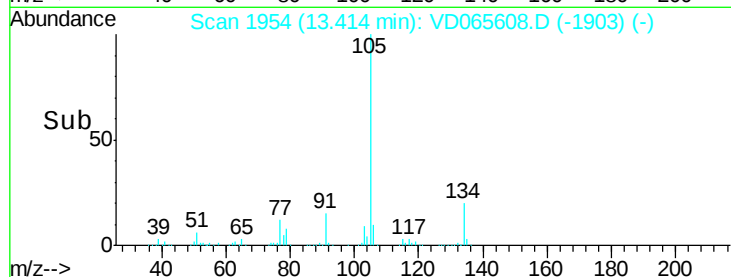
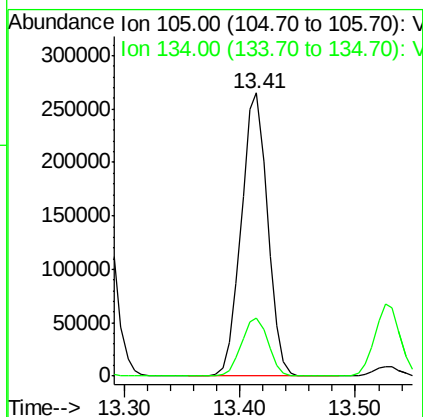
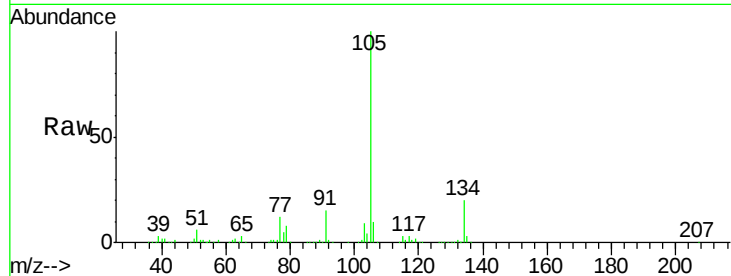
Ion Ratio Lower Upper

105 100

134 20.8 10.7 31.9

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#86

p-Isopropyltoluene

Concen: 20.509 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

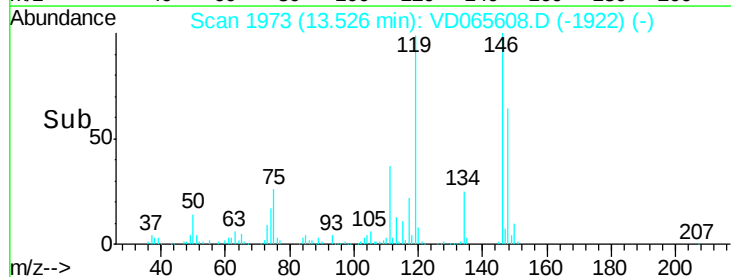
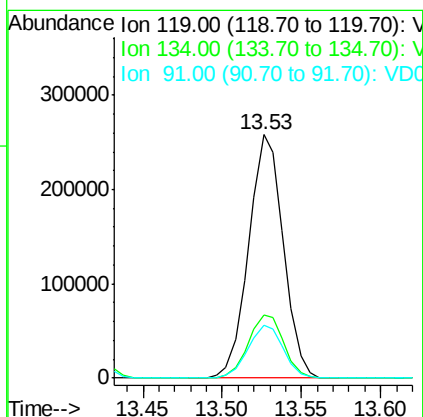
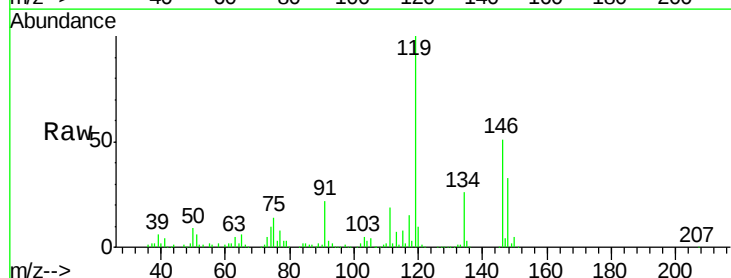
Tgt Ion:119 Resp: 390969

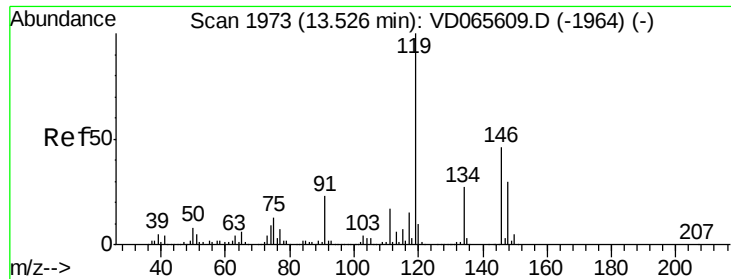
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 19.860 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Instrument :

MSVOA_D

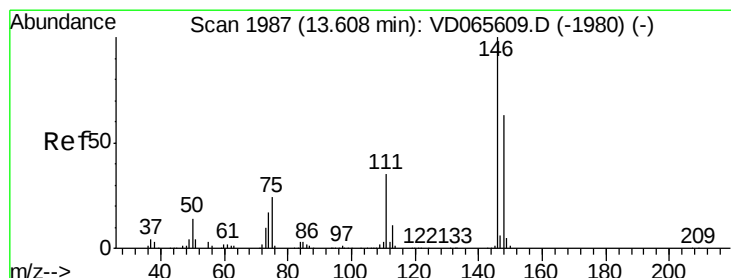
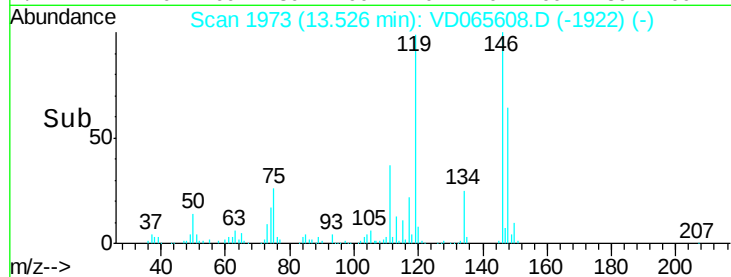
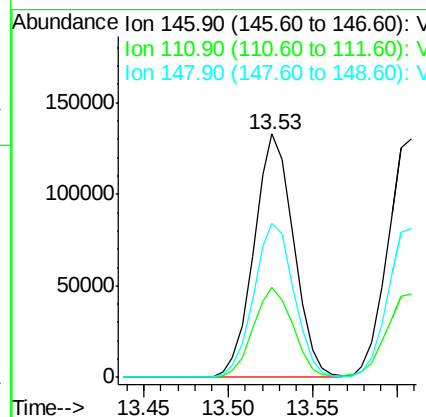
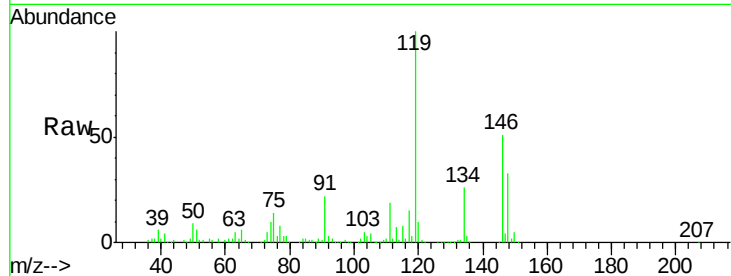
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	64.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#88

1,4-Dichlorobenzene

Concen: 19.942 ug/l

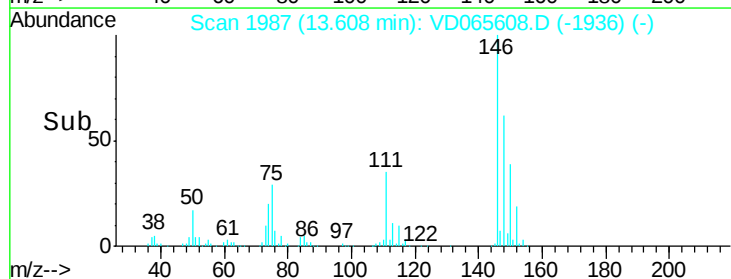
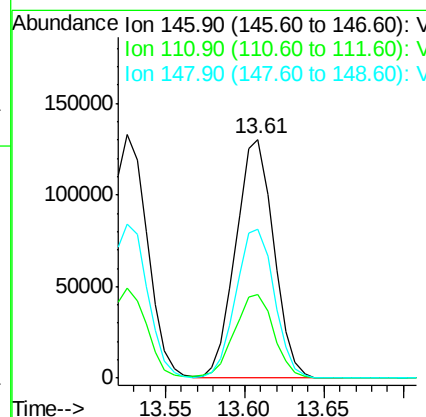
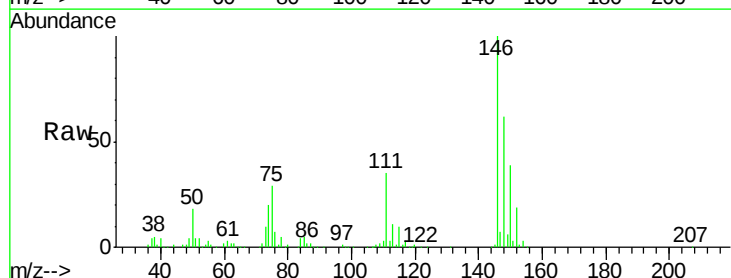
RT: 13.61 min Scan# 1987

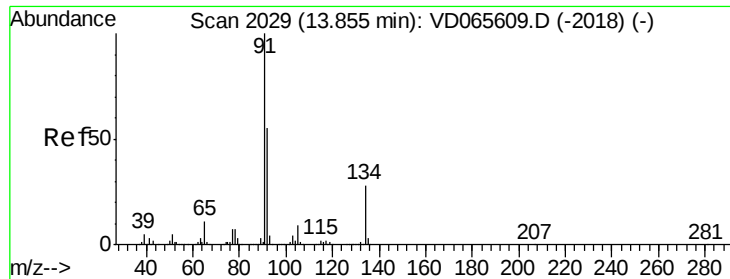
Delta R.T. 0.00 min

Lab File: VD065608.D

Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.0	54.0
148	63.2	31.8	95.4





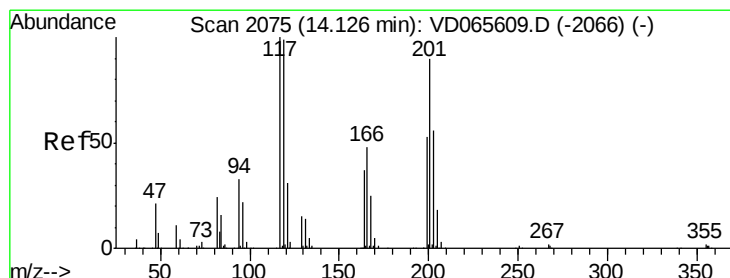
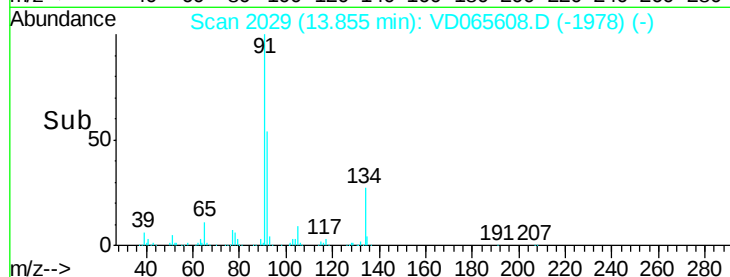
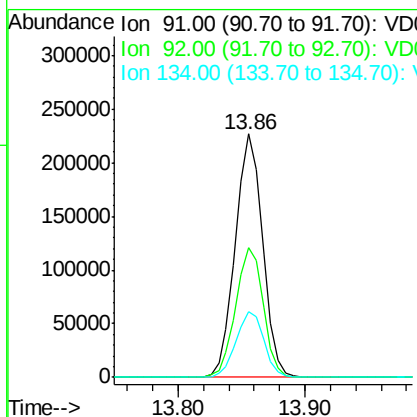
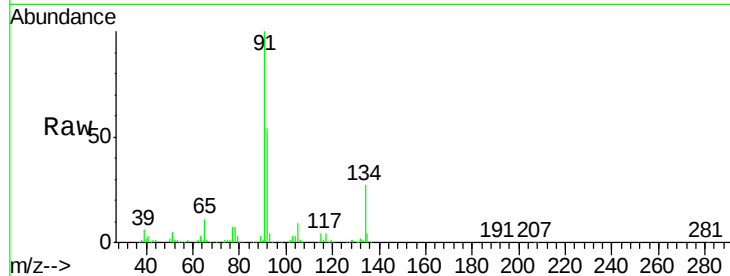
#89
n-Butylbenzene
Concen: 19.615 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	27.4	13.9	41.7

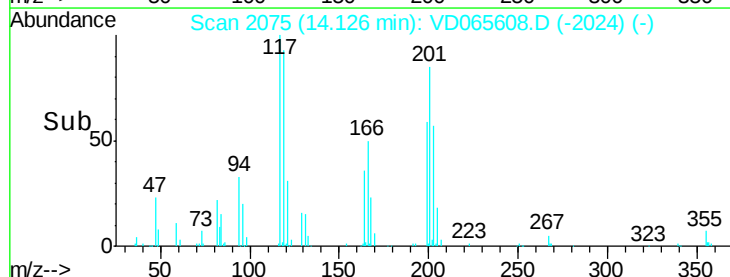
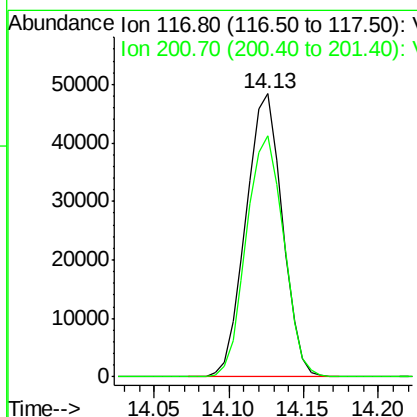
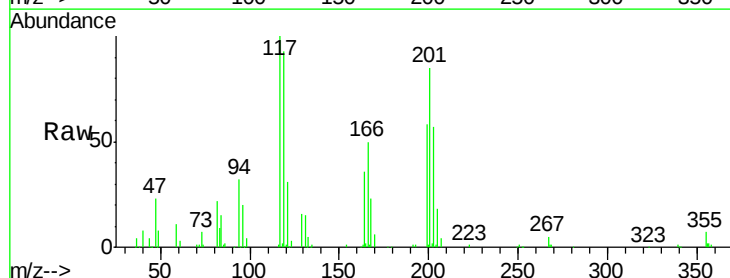
Manual Integrations
APPROVED

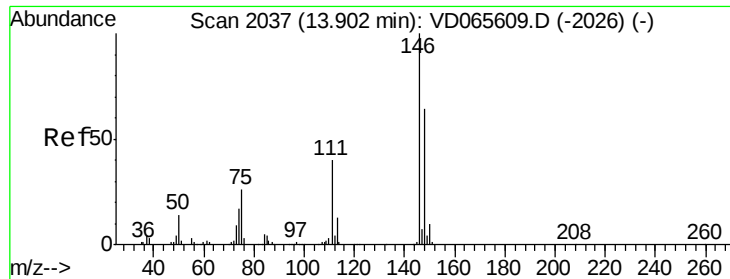
MMDadoda
4/10/2020 2:58:41 PM



#90
Hexachloroethane
Concen: 19.692 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	43.9	131.7





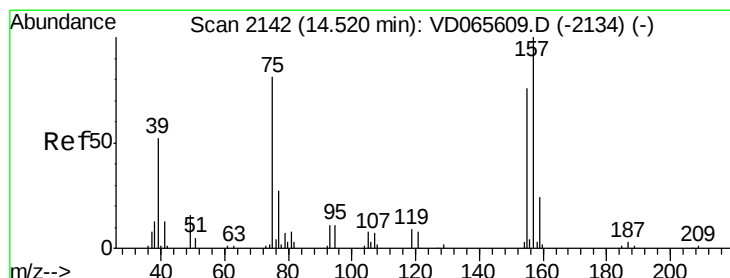
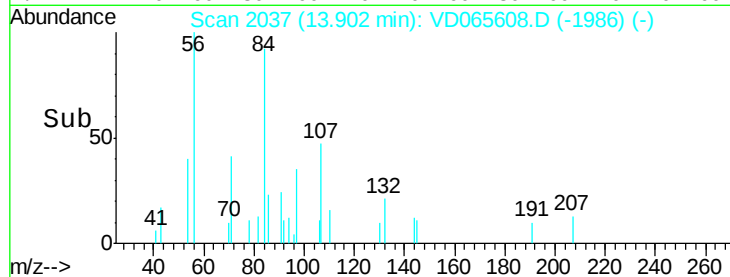
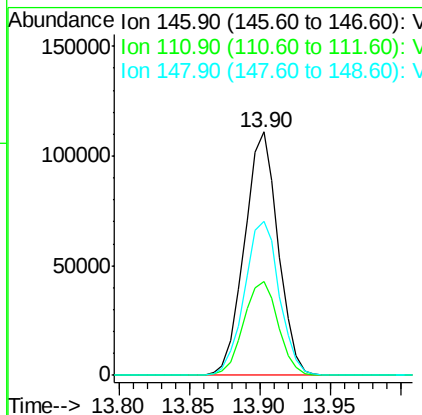
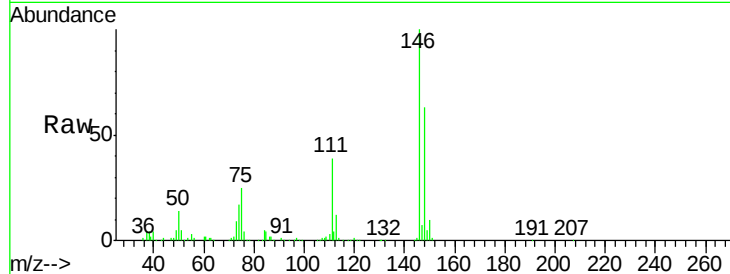
#91
 1,2-Dichlorobenzene
 Concen: 20.041 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185681		
111	39.6	19.1	57.5	
148	65.6	31.8	95.4	

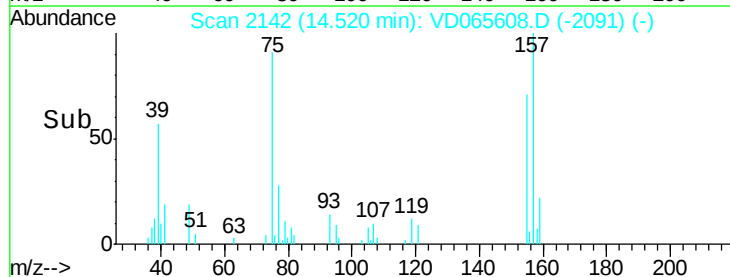
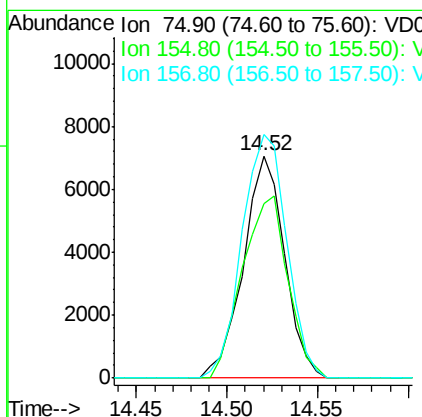
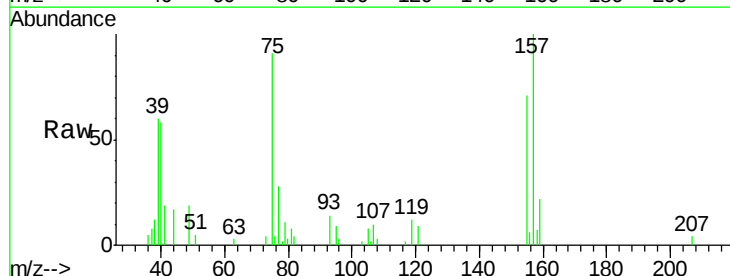
Manual Integrations
 APPROVED

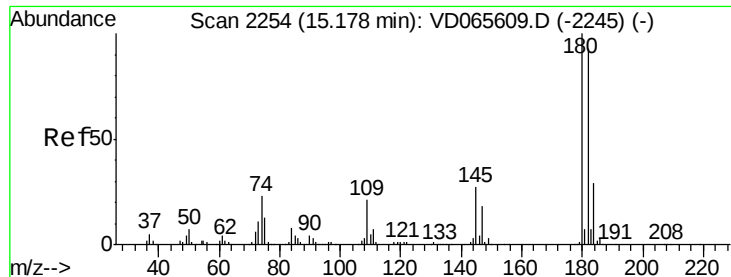
MMDadoda
 4/10/2020 2:58:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.069 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11138		
155	90.7	46.8	140.4	
157	119.3	59.6	178.7	





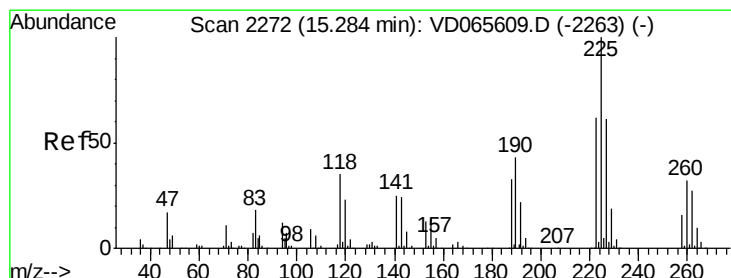
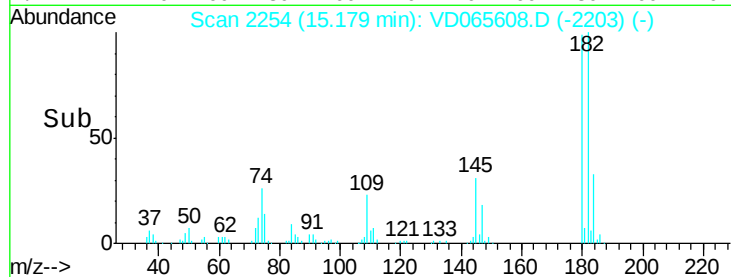
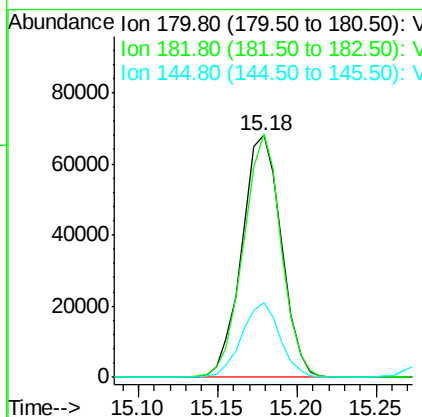
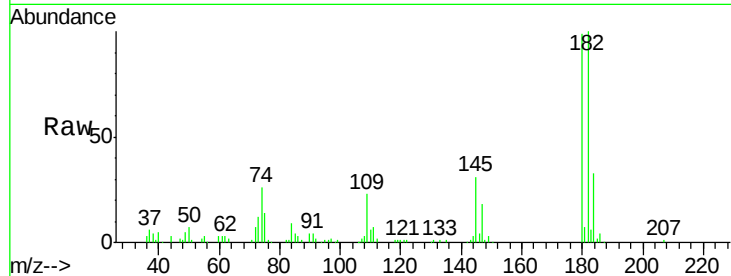
#93
 1,2,4-Trichlorobenzene
 Concen: 19.384 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117963		
182	96.3	47.0	141.2	
145	29.8	14.0	41.9	

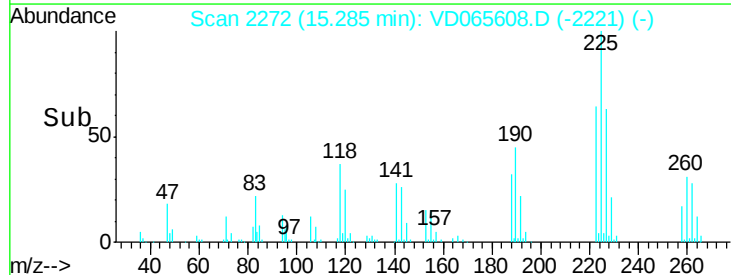
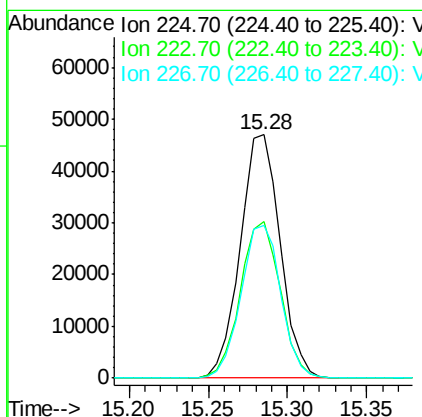
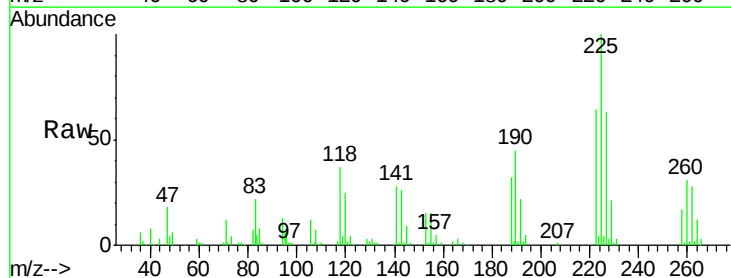
Manual Integrations
 APPROVED

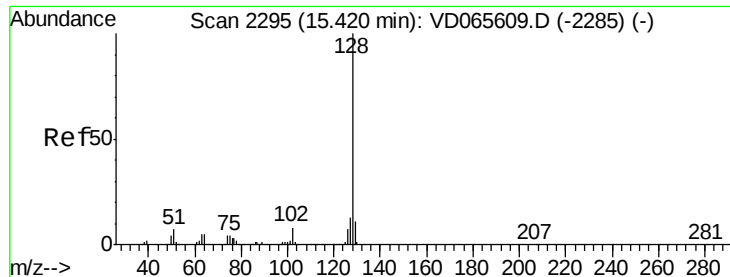
MMDadoda
 4/10/2020 2:58:41 PM



#94
 Hexachlorobutadiene
 Concen: 19.504 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD065608.D
 Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82505		
223	64.1	31.6	94.7	
227	62.5	31.6	95.0	





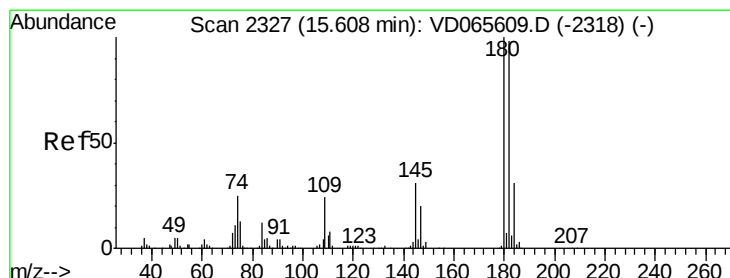
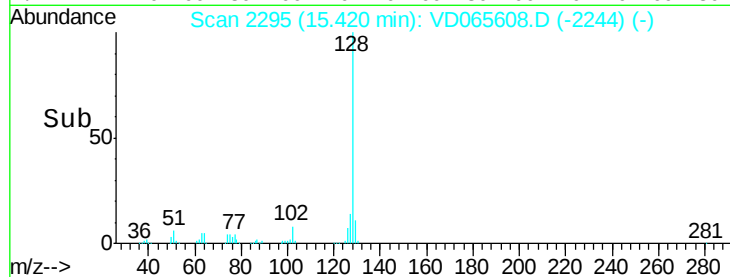
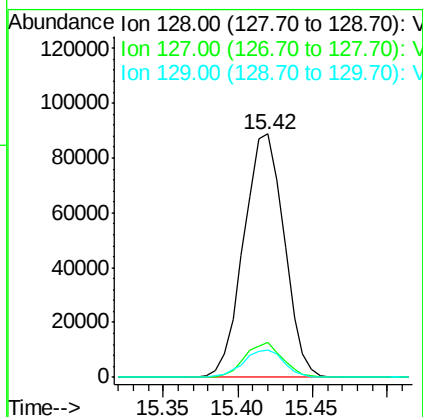
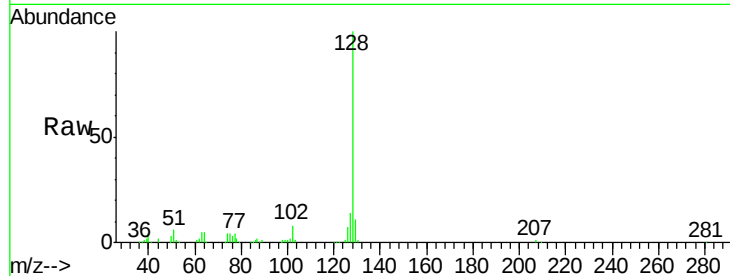
#95
Naphthalene
Concen: 18.916 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.826 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065608.D
Acq: 09 Apr 2020 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.7	143.1
145	31.0	15.2	45.6

