

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065972.D
 Acq On : 21 Jul 2020 10:22
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:18 PM

Quant Time: Jul 21 12:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	32657	11.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.62%	
35) Dibromofluoromethane	7.92	113	37127	11.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.58%	
50) Toluene-d8	10.34	98	128119	10.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.84%	
62) 4-Bromofluorobenzene	12.64	95	45014	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	30697	10.765	ug/l 99
3) Chloromethane	2.21	50	23010	10.217	ug/l 99
4) Vinyl Chloride	2.35	62	21761	10.008	ug/l 98
5) Bromomethane	2.77	94	19888	10.699	ug/l 97
6) Chloroethane	2.92	64	13278	10.133	ug/l 97
7) Trichlorofluoromethane	3.27	101	52052	9.947	ug/l 97
8) Diethyl Ether	3.70	74	13474	10.003	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	31275	10.080	ug/l 97
10) Methyl Iodide	4.31	142	13752	8.113	ug/l 97
11) Tert butyl alcohol	5.21	59	13341	54.500	ug/l 97
12) 1,1-Dichloroethene	4.06	96	28811	9.781	ug/l 89
13) Acrolein	3.92	56	12133	51.296	ug/l 96
14) Allyl chloride	4.71	41	45076	9.969	ug/l 100
15) Acrylonitrile	5.43	53	29096	50.334	ug/l 99
16) Acetone	4.16	43	28290	48.554	ug/l 90
17) Carbon Disulfide	4.41	76	98533	10.243	ug/l 100
18) Methyl Acetate	4.71	43	14320	10.684	ug/l 95
19) Methyl tert-butyl Ether	5.47	73	57986	10.037	ug/l 93
20) Methylene Chloride	4.96	84	42536	10.582	ug/l 91
21) trans-1,2-Dichloroethene	5.47	96	34674	10.422	ug/l 95
22) Diisopropyl ether	6.37	45	87309	10.200	ug/l 96
23) Vinyl Acetate	6.30	43	231586	49.307	ug/l 99
24) 1,1-Dichloroethane	6.27	63	53322	9.959	ug/l 96
25) 2-Butanone	7.22	43	38092	49.583	ug/l 99
26) 2,2-Dichloropropane	7.21	77	48712	9.913	ug/l 99
27) cis-1,2-Dichloroethene	7.22	96	35195	10.096	ug/l 99
28) Bromochloromethane	7.55	49	24968	11.295	ug/l 99
29) Tetrahydrofuran	7.56	42	23241	49.580	ug/l 99
30) Chloroform	7.71	83	57421	10.341	ug/l 98
31) Cyclohexane	7.99	56	54098	10.068	ug/l 87
32) 1,1,1-Trichloroethane	7.91	97	52942	10.190	ug/l 99
36) 1,1-Dichloropropene	8.11	75	45355	9.968	ug/l 97
37) Ethyl Acetate	7.30	43	17530	10.043	ug/l 96
38) Carbon Tetrachloride	8.10	117	48873	10.127	ug/l 92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065972.D
 Acq On : 21 Jul 2020 10:22
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:18 PM

Quant Time: Jul 21 12:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	50640	9.398	ug/l	94
40) Benzene	8.36	78	125543	9.948	ug/l	99
41) Methacrylonitrile	7.53	41	7908	6.060	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	34240	9.871	ug/l	100
43) Isopropyl Acetate	8.46	43	30904	9.620	ug/l	96
44) Trichloroethene	9.11	130	37701	9.930	ug/l	97
45) 1,2-Dichloropropane	9.39	63	29702	9.814	ug/l #	85
46) Dibromomethane	9.48	93	16710	10.088	ug/l	93
47) Bromodichloromethane	9.66	83	43842	10.100	ug/l	95
48) Methyl methacrylate	9.46	41	16286	9.733	ug/l	94
49) 1,4-Dioxane	9.46	88	3556	194.212	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	80569	49.115	ug/l	99
52) Toluene	10.41	92	82022	10.093	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	37723	9.831	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	48289	10.168	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	22953	10.069	ug/l	96
56) Ethyl methacrylate	10.66	69	25472	9.943	ug/l	98
57) 1,3-Dichloropropane	10.95	76	37486	9.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	75612	60.469	ug/l	100
59) 2-Hexanone	10.98	43	54528	48.374	ug/l	97
60) Dibromochloromethane	11.15	129	30783	9.994	ug/l	98
61) 1,2-Dibromoethane	11.25	107	21494	9.748	ug/l	96
64) Tetrachloroethene	10.87	164	32211	9.754	ug/l	97
65) Chlorobenzene	11.67	112	88394	9.920	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	33913	10.286	ug/l	98
67) Ethyl Benzene	11.75	91	148265	9.701	ug/l	100
68) m/p-Xylenes	11.86	106	114168	19.317	ug/l	97
69) o-Xylene	12.18	106	51298	9.750	ug/l	99
70) Styrene	12.20	104	88269	9.692	ug/l	99
71) Bromoform	12.37	173	18451	9.958	ug/l #	97
73) Isopropylbenzene	12.48	105	141802	9.866	ug/l	99
74) N-amyl acetate	12.29	43	27187	9.405	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	23650	9.949	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	14631m	6.860	ug/l	
77) Bromobenzene	12.77	156	37901	10.216	ug/l	98
78) n-propylbenzene	12.83	91	163860	9.730	ug/l	98
79) 2-Chlorotoluene	12.91	91	95668	9.952	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	116269	9.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7111	9.356	ug/l	88
82) 4-Chlorotoluene	13.01	91	102002	9.989	ug/l	99
83) tert-Butylbenzene	13.23	119	100946	9.709	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	112904	9.615	ug/l	96
85) sec-Butylbenzene	13.41	105	138832	9.658	ug/l	100
86) p-Isopropyltoluene	13.52	119	125636	9.706	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	70757	10.102	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	70432	10.033	ug/l	97
89) n-Butylbenzene	13.85	91	115671	9.661	ug/l	99
90) Hexachloroethane	14.11	117	26261	9.883	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	60051	10.014	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3578	9.449	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065972.D
Acq On : 21 Jul 2020 10:22
Operator : VA/SY
Sample : VSTDICC010
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

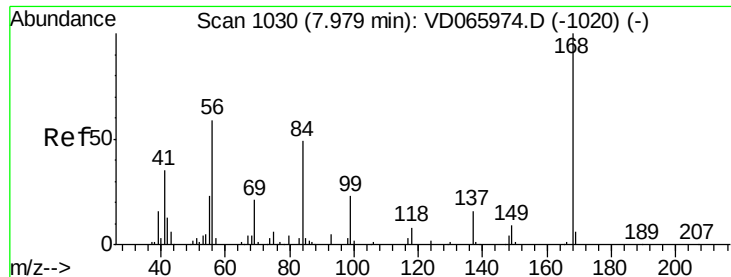
Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM

Quant Time: Jul 21 12:11:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:03:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	41023	9.844	ug/l	98
94) Hexachlorobutadiene	15.27	225	25838	9.902	ug/l	98
95) Naphthalene	15.41	128	59610	9.368	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	34997	9.596	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 354463

Ion Ratio Lower Upper

168 100

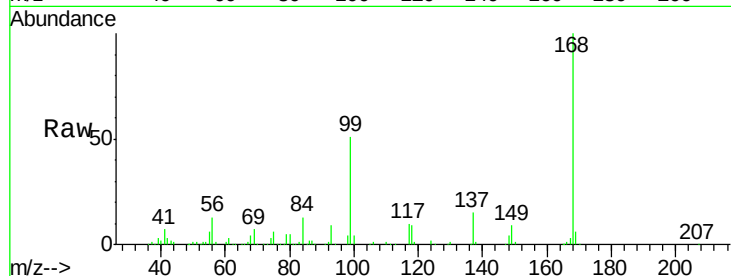
99 51.1 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

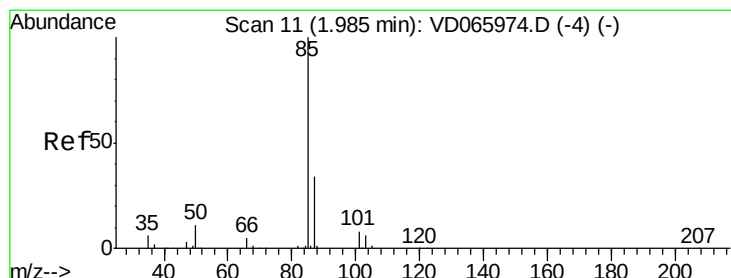
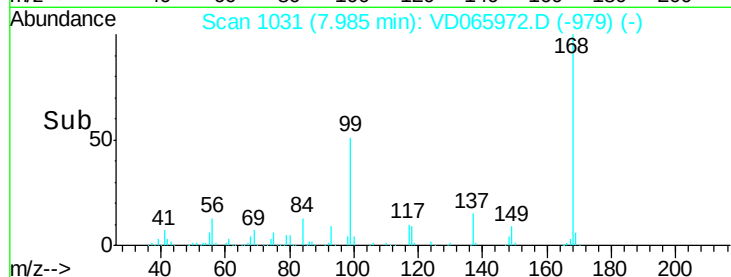
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 10.765 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065972.D

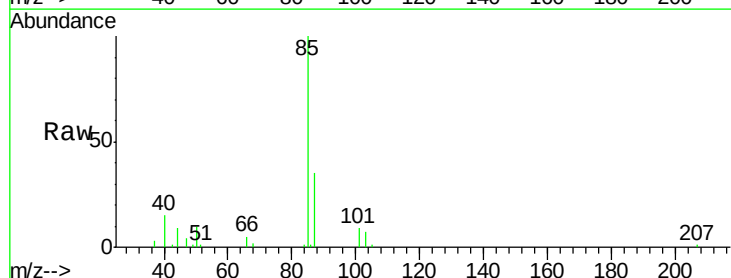
Acq: 21 Jul 2020 10:22

Tgt Ion: 85 Resp: 30697

Ion Ratio Lower Upper

85 100

87 35.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

25000

20000

15000

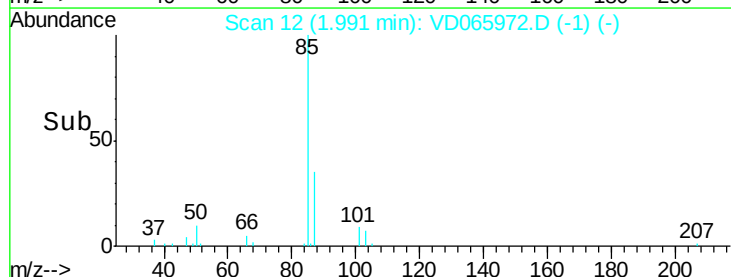
10000

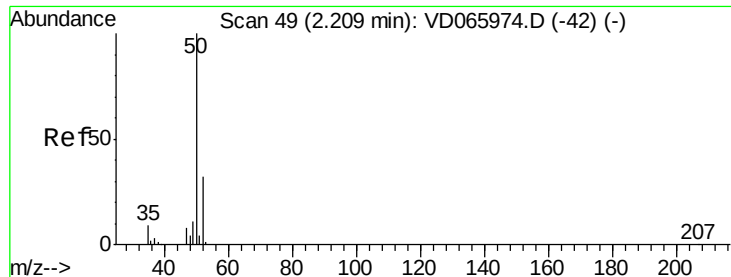
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 10.217 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 23010

Ion Ratio Lower Upper

50 100

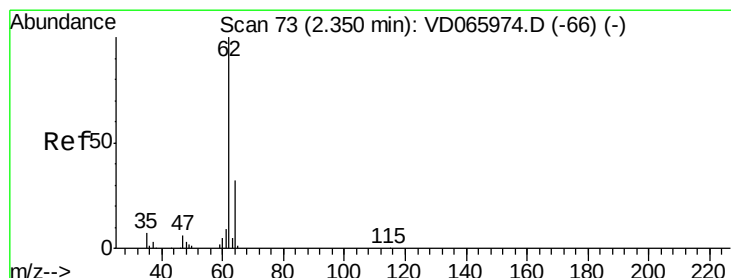
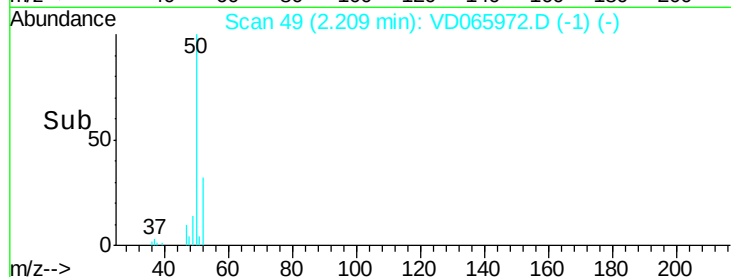
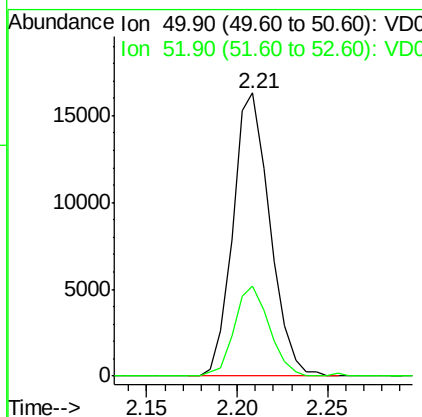
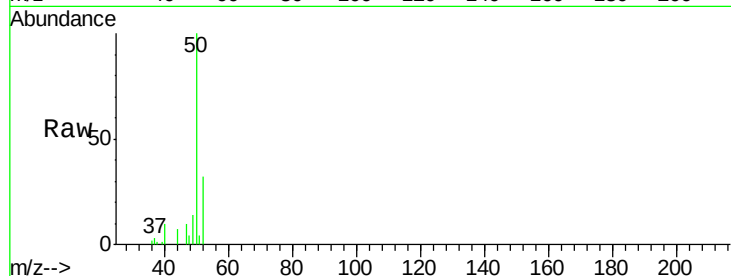
52 32.0 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:18 PM



#4

Vinyl Chloride

Concen: 10.008 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065972.D

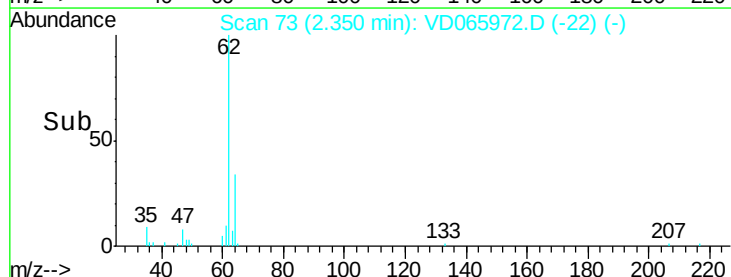
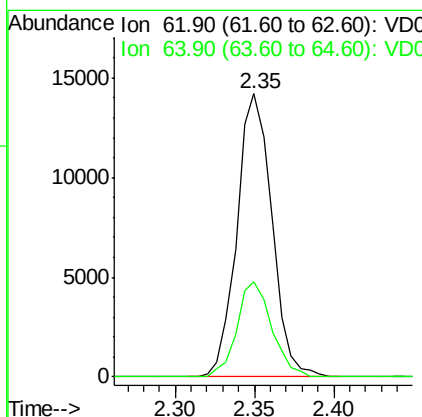
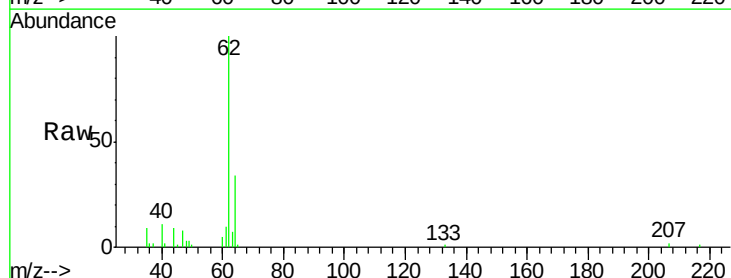
Acq: 21 Jul 2020 10:22

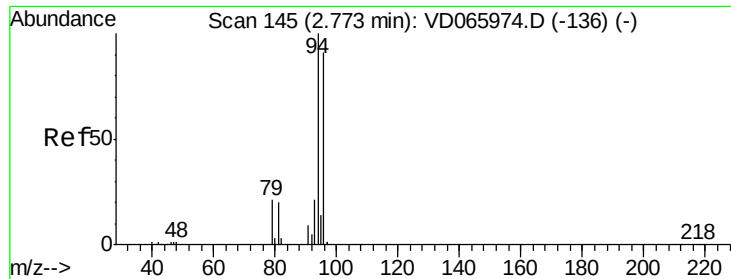
Tgt Ion: 62 Resp: 21761

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8





#5

Bromomethane

Concen: 10.699 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 19888

Ion Ratio Lower Upper

94 100

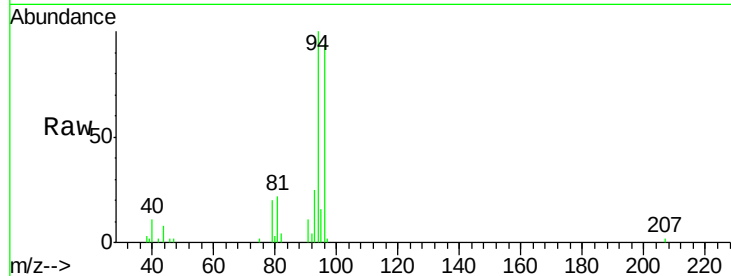
96 94.5 73.0 109.4

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:18 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

8000

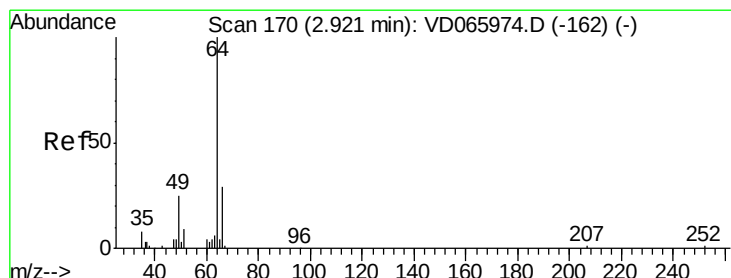
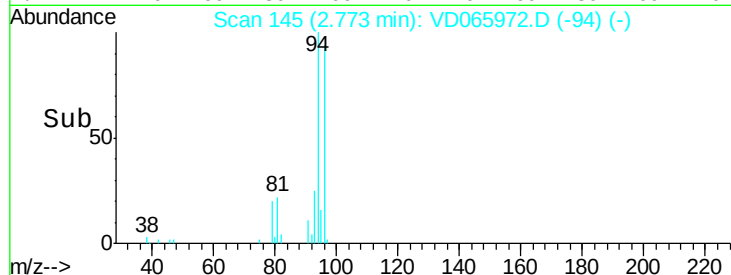
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 10.133 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065972.D

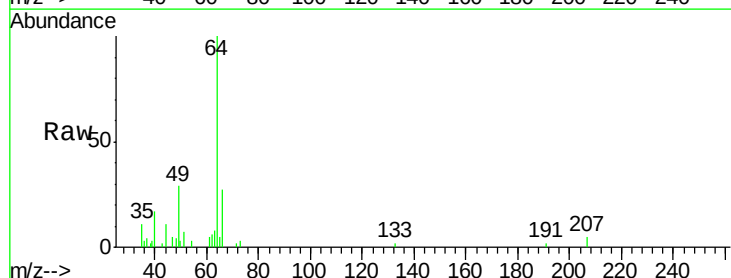
Acq: 21 Jul 2020 10:22

Tgt Ion: 64 Resp: 13278

Ion Ratio Lower Upper

64 100

66 27.4 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

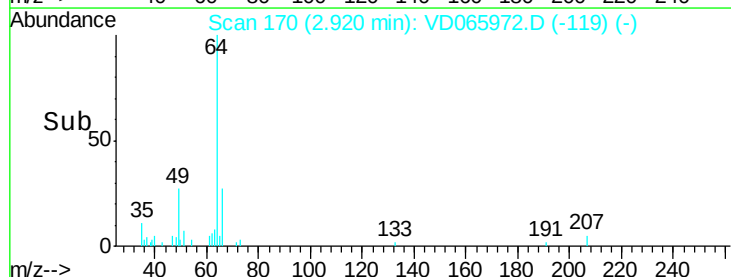
6000

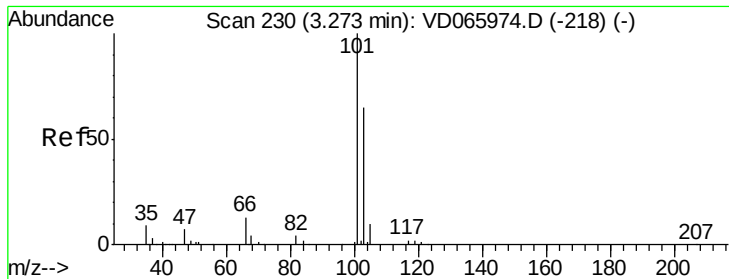
4000

2000

0

Time-->





#7

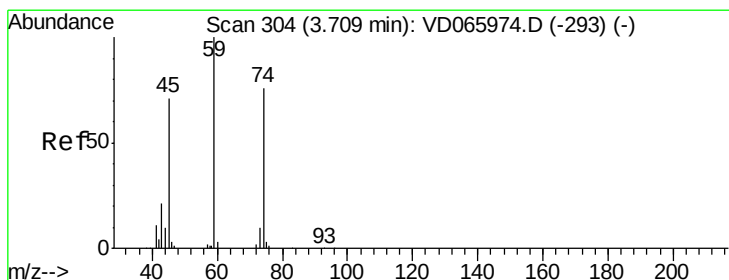
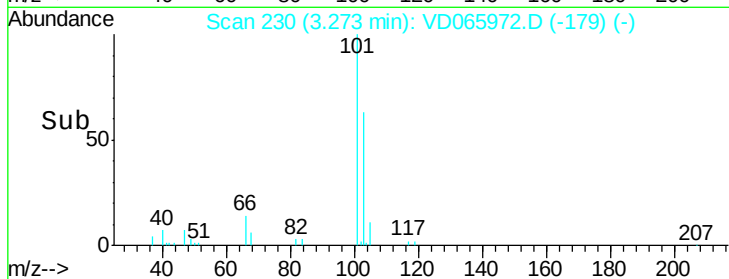
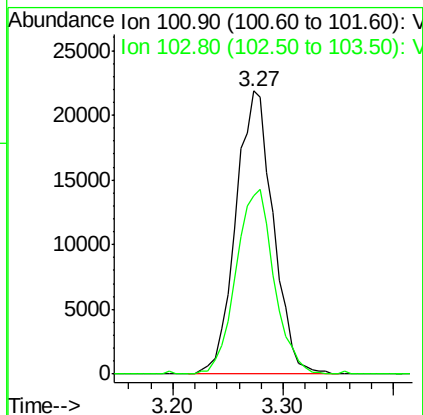
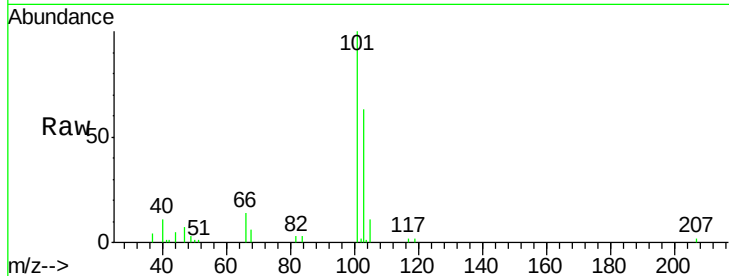
Trichlorofluoromethane
Concen: 9.947 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.1	78.1

Manual Integrations
APPROVED

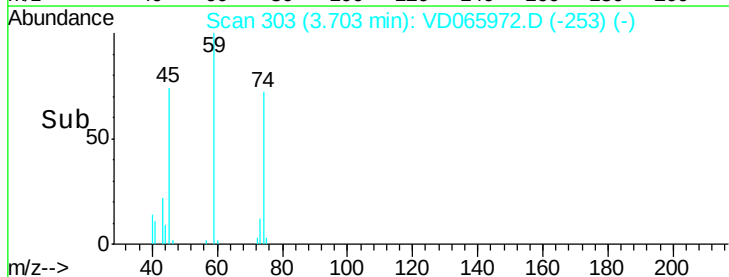
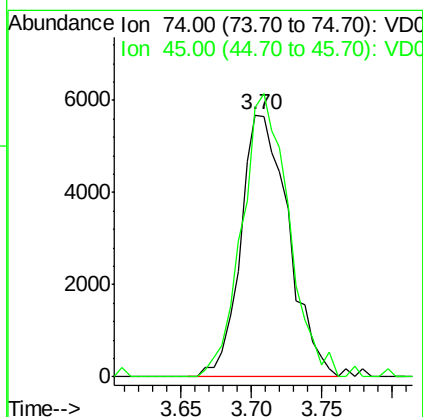
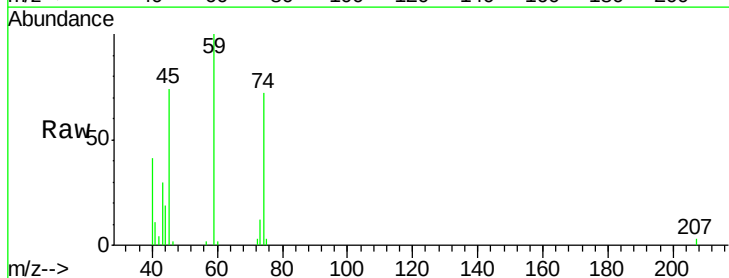
MMDadoda
7/22/2020 2:44:18 PM

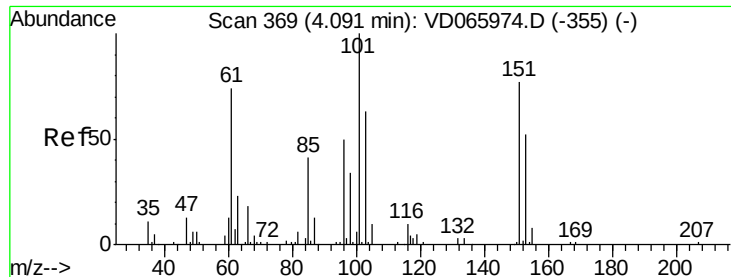


#8

Diethyl Ether
Concen: 10.003 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.080 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

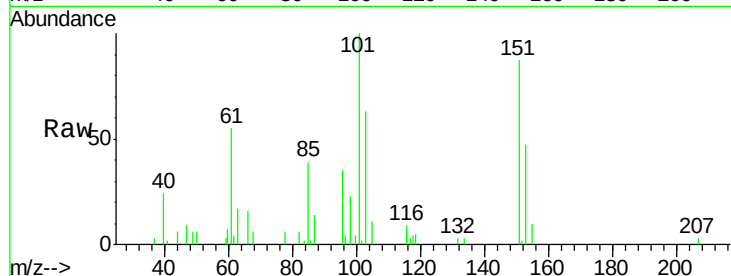
ClientSampleId :

VSTDIC010

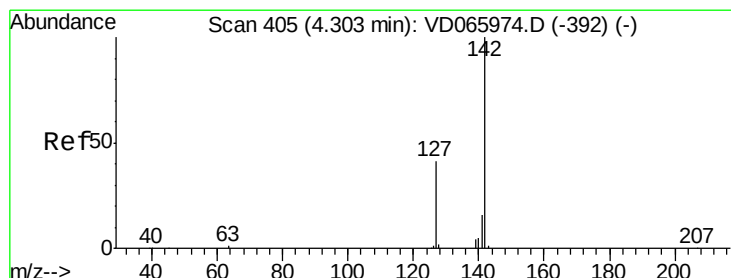
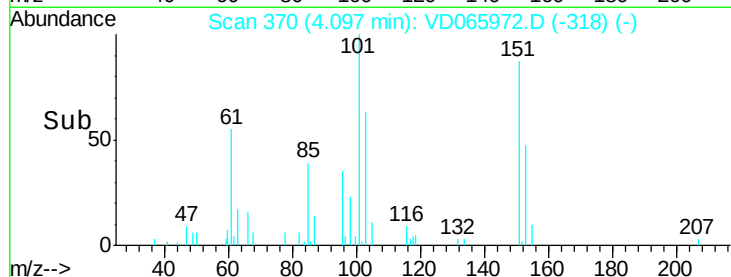
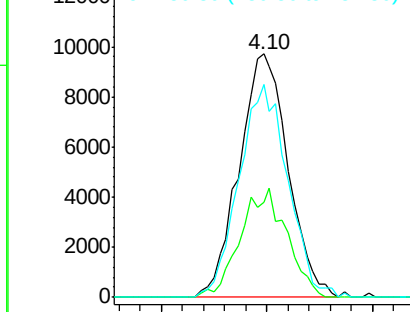
Tot Ion:	101	Resp:	31275
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.6	50.4
151	87.1	66.6	99.8

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 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: 8.113 ug/l

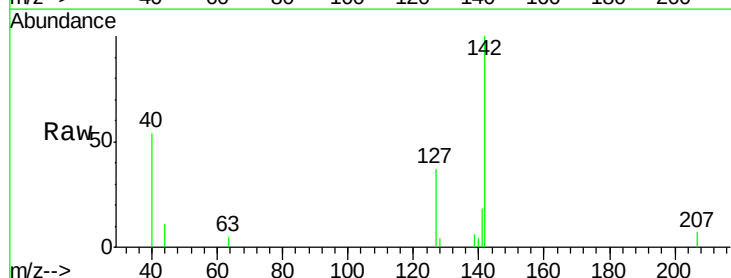
RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

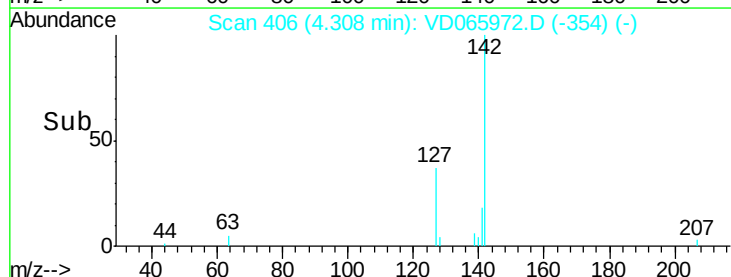
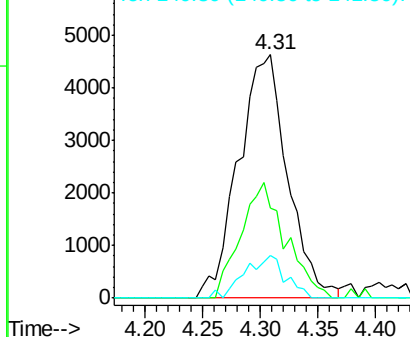
Lab File: VD065972.D

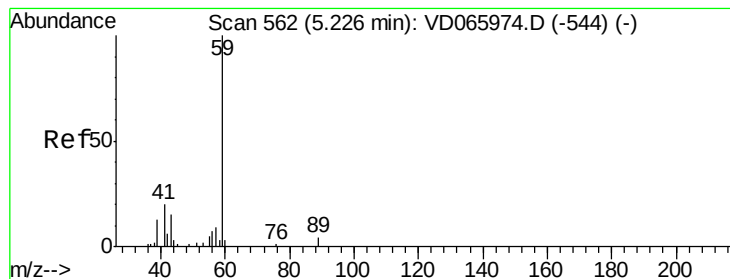
Acq: 21 Jul 2020 10:22

Tgt Ion:	142	Resp:	13752
Ion Ratio	Lower	Upper	
142	100		
127	43.2	32.9	49.3
141	14.6	11.8	17.6



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

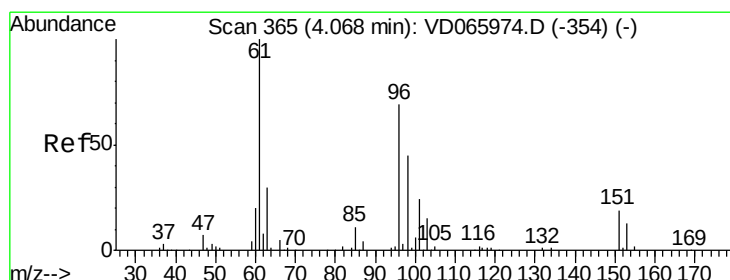
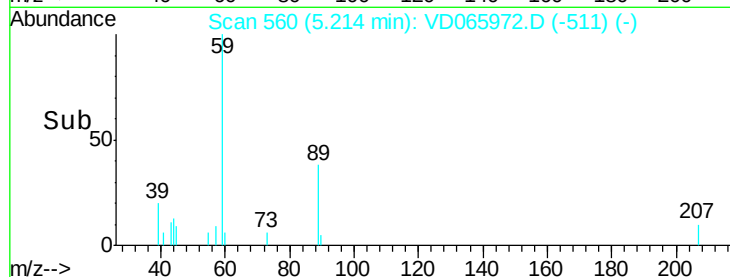
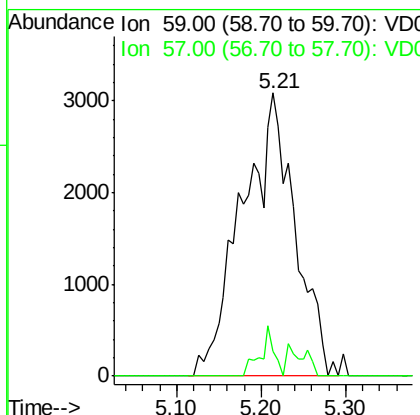
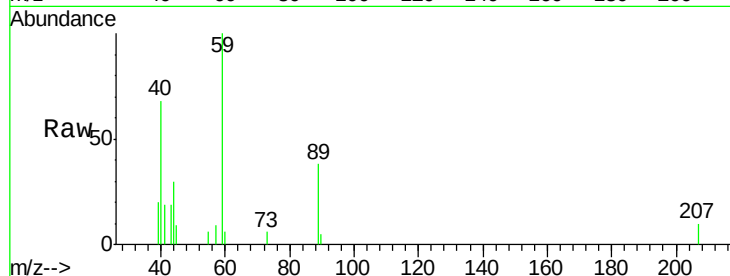
Tert butyl alcohol
Concen: 54.500 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	4.5	6.7

Manual Integrations
APPROVED

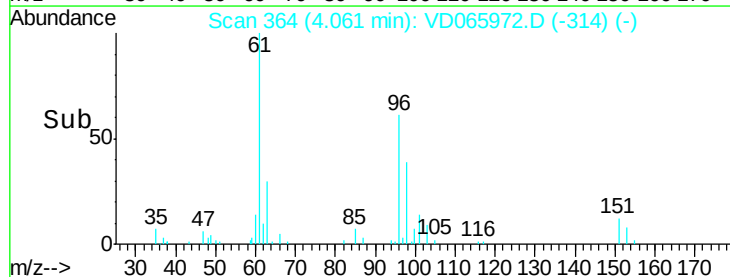
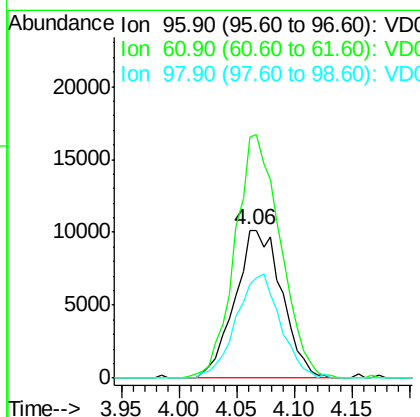
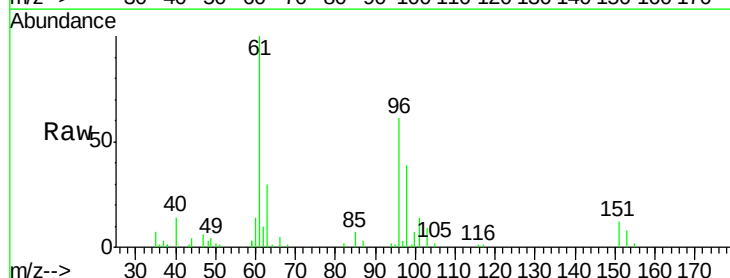
MMDadoda
7/22/2020 2:44:18 PM

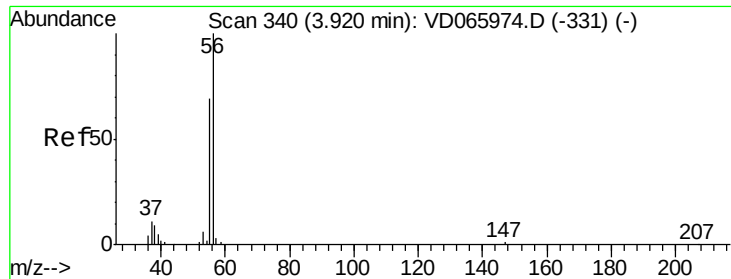


#12

1,1-Dichloroethene
Concen: 9.781 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	115.4	173.0
98	63.2	51.5	77.3





#13

Acrolein

Concen: 51.296 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 12133

Ion Ratio Lower Upper

56 100

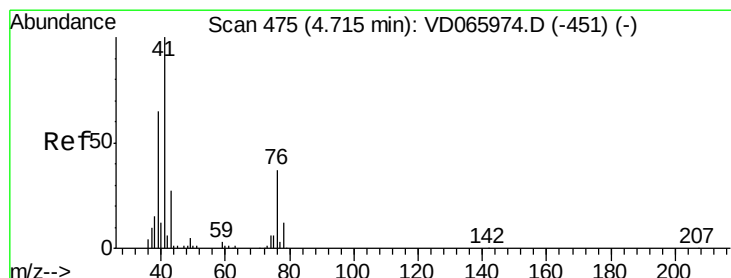
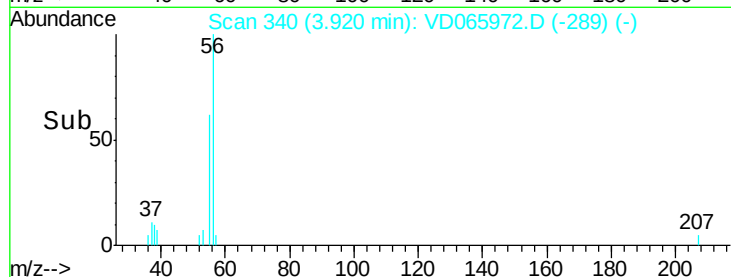
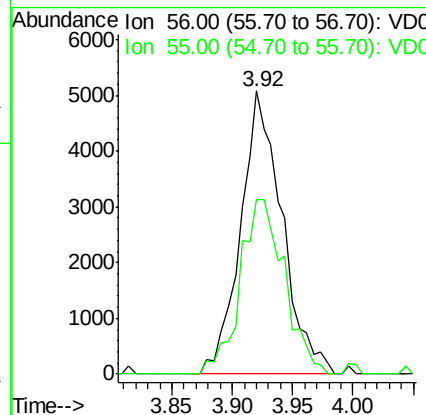
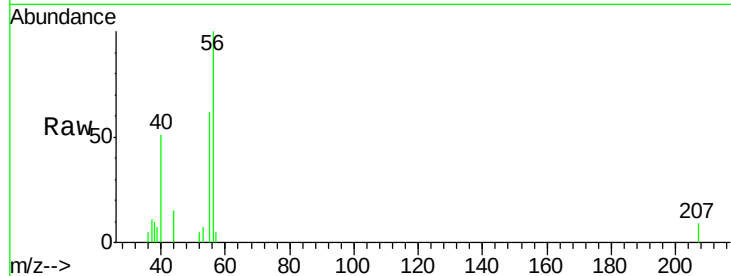
55 66.3 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:18 PM



#14

Allyl chloride

Concen: 9.969 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

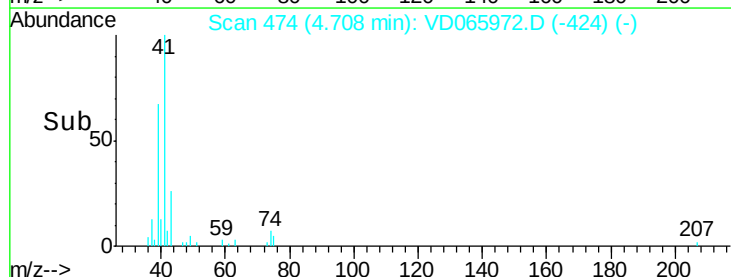
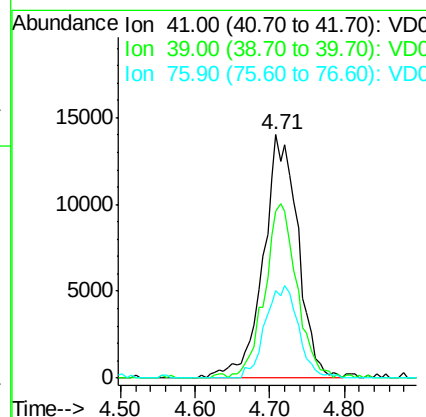
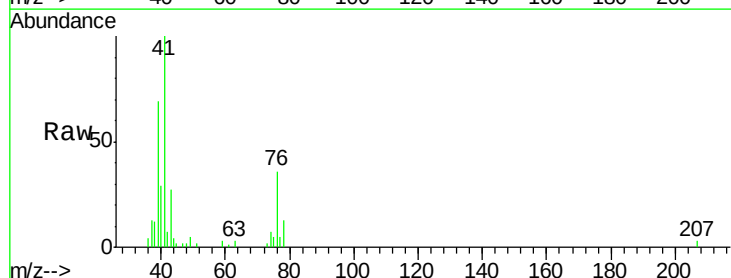
Tgt Ion: 41 Resp: 45076

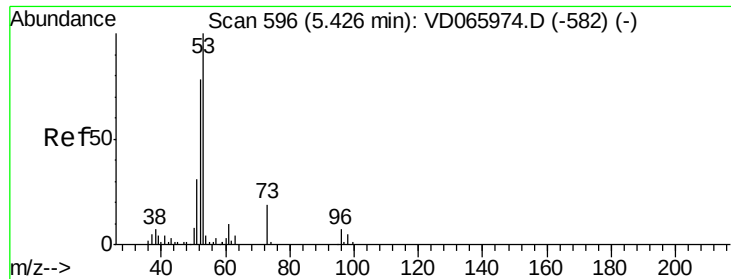
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 36.5 29.1 43.7





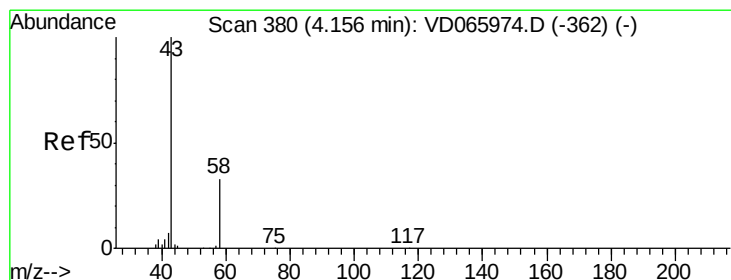
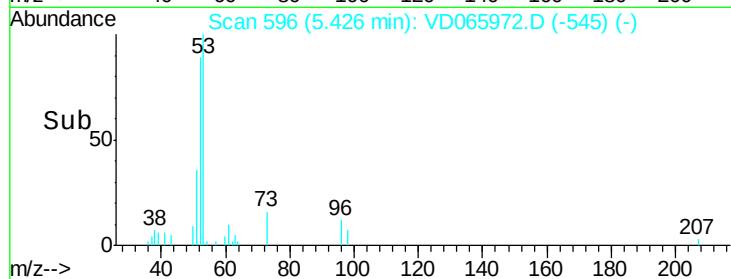
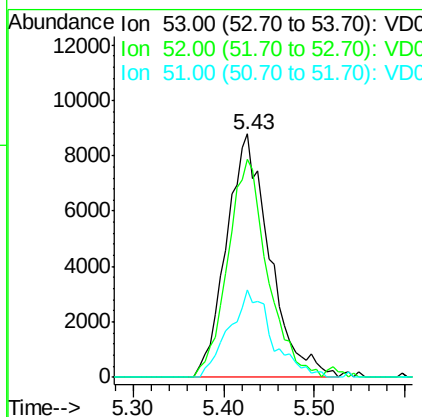
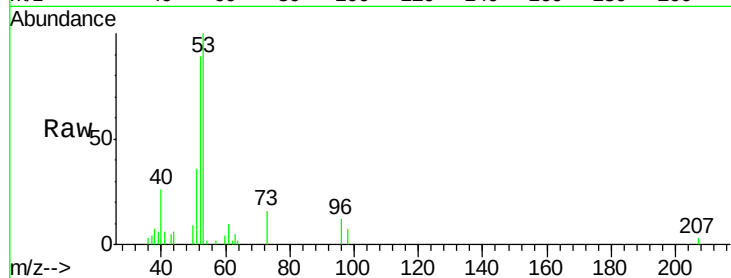
#15
 Acrylonitrile
 Concen: 50.334 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.1	100.7
51	35.5	28.7	43.1

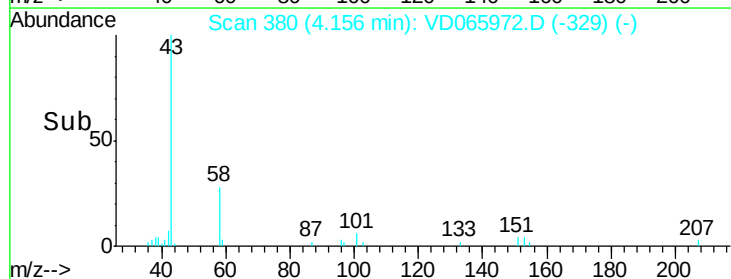
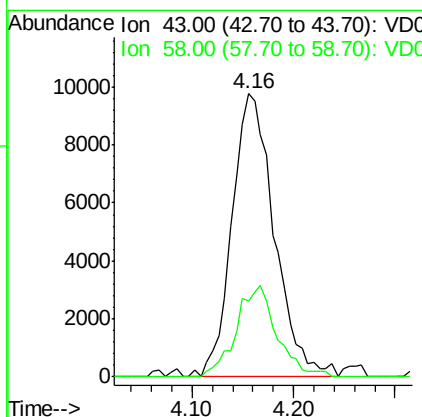
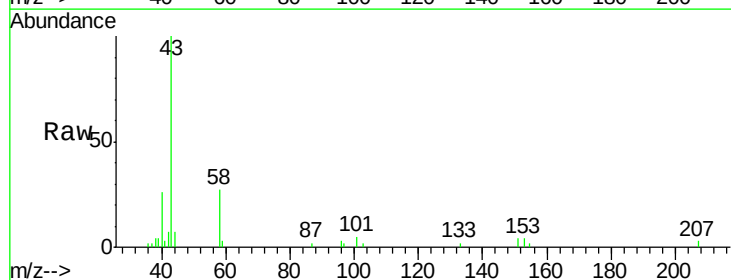
Manual Integrations
 APPROVED

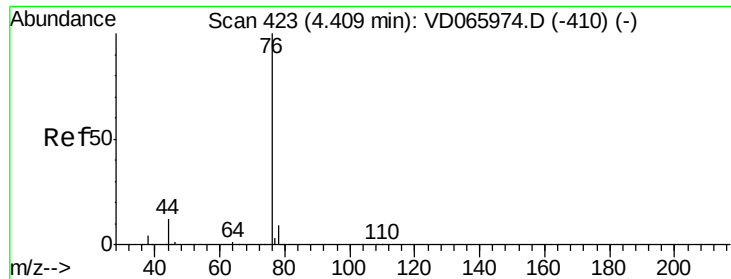
MMDadoda
 7/22/2020 2:44:18 PM



#16
 Acetone
 Concen: 48.554 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.1	26.3	39.5





#17

Carbon Disulfide

Concen: 10.243 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 98533

Ion Ratio Lower Upper

76 100

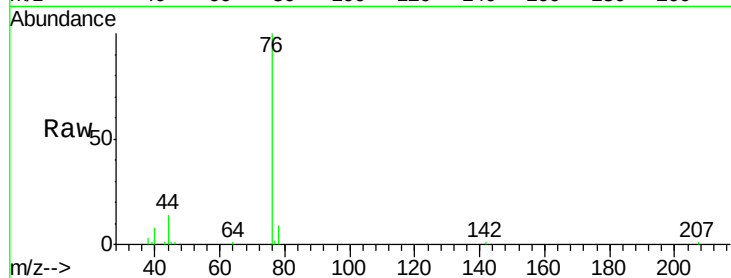
78 9.2 7.4 11.2

Manual Integrations

APPROVED

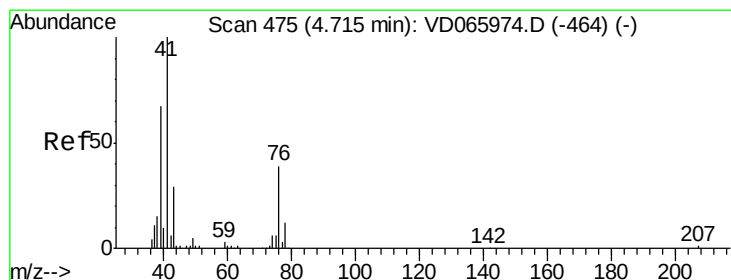
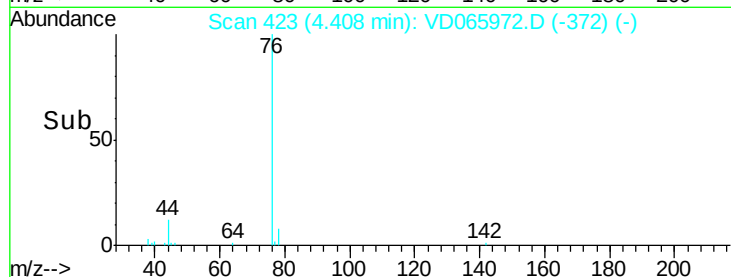
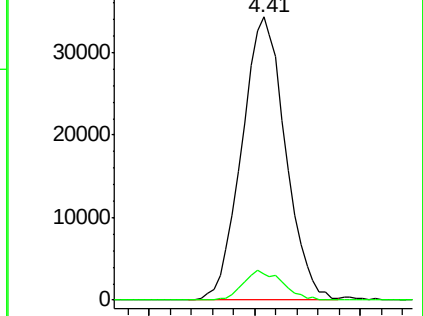
MMDadoda

7/22/2020 2:44:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.684 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065972.D

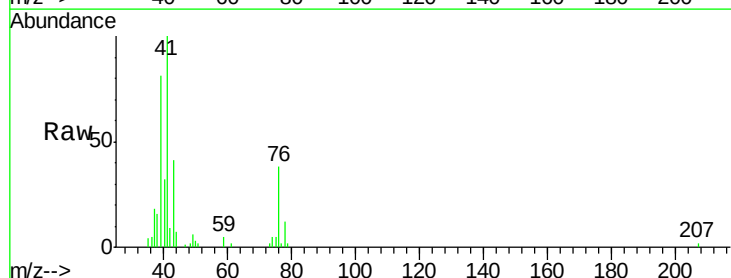
Acq: 21 Jul 2020 10:22

Tgt Ion: 43 Resp: 14320

Ion Ratio Lower Upper

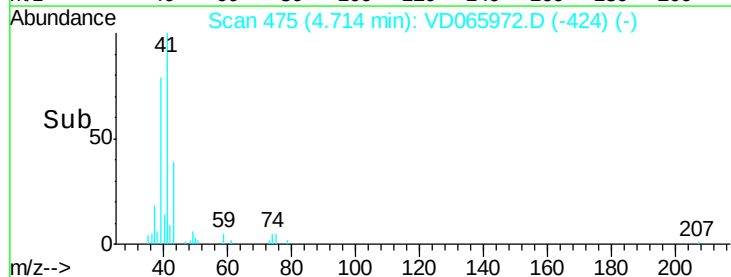
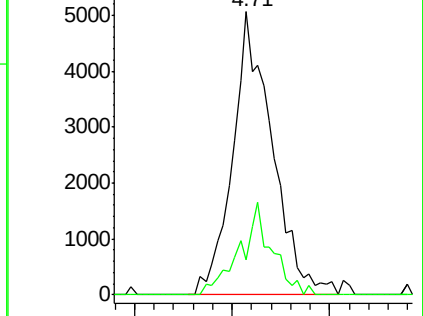
43 100

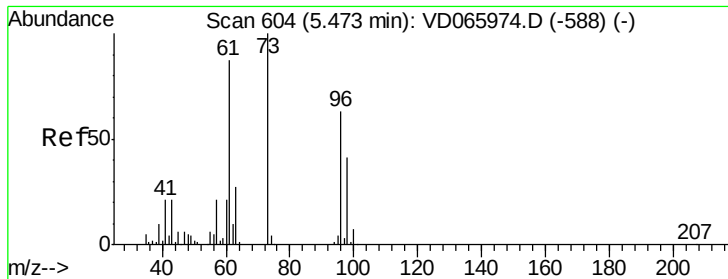
74 26.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





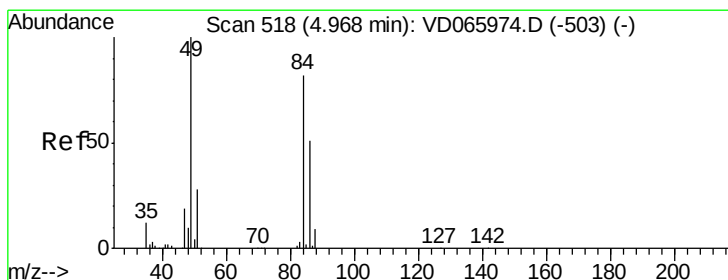
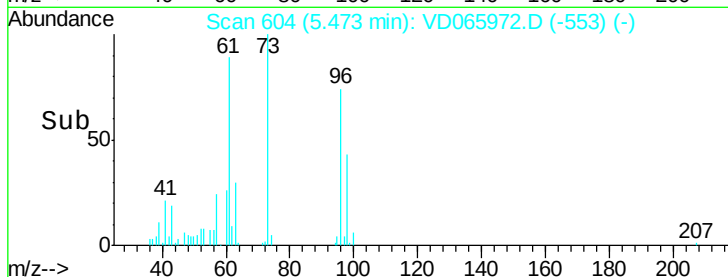
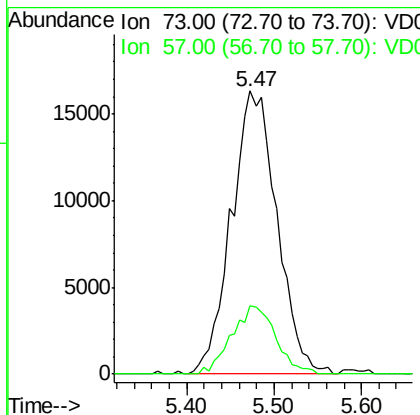
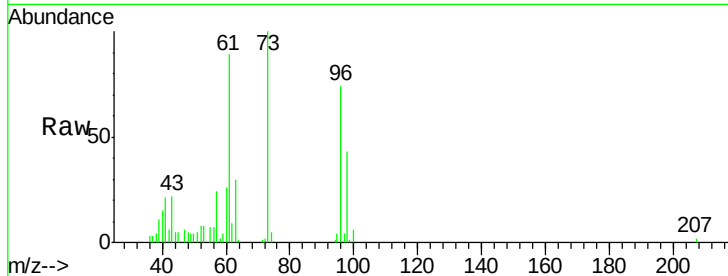
#19
Methyl tert-butyl Ether
Concen: 10.037 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 57986
Ion Ratio Lower Upper
73 100
57 24.3 17.0 25.4

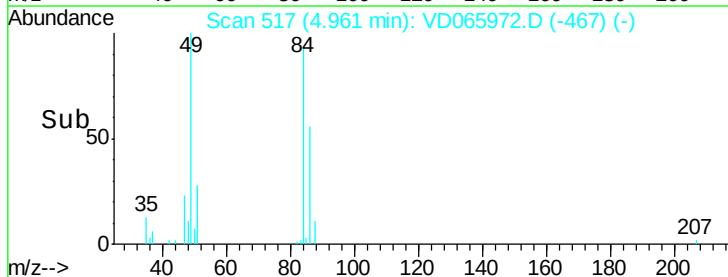
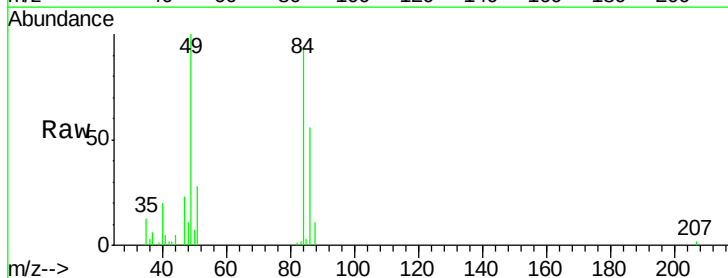
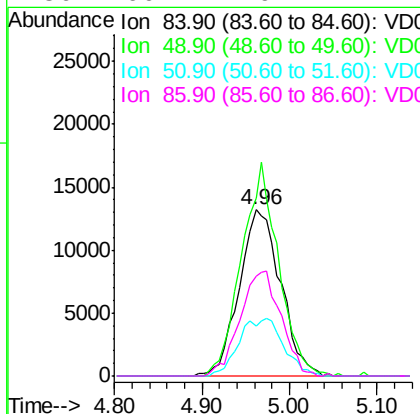
Manual Integrations
APPROVED

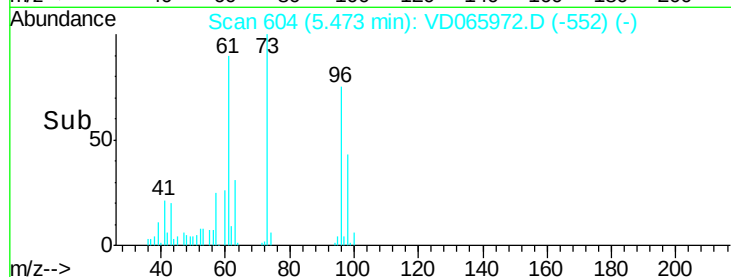
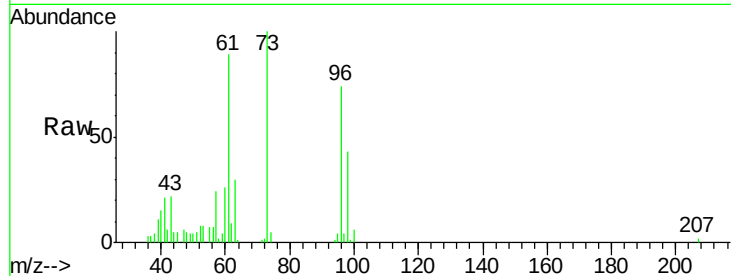
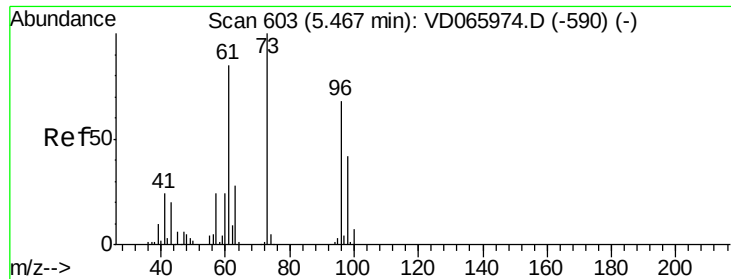
MMDadoda
7/22/2020 2:44:18 PM



#20
Methylene Chloride
Concen: 10.582 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion: 84 Resp: 42536
Ion Ratio Lower Upper
84 100
49 107.1 97.7 146.5
51 29.9 27.4 41.2
86 60.1 49.4 74.2





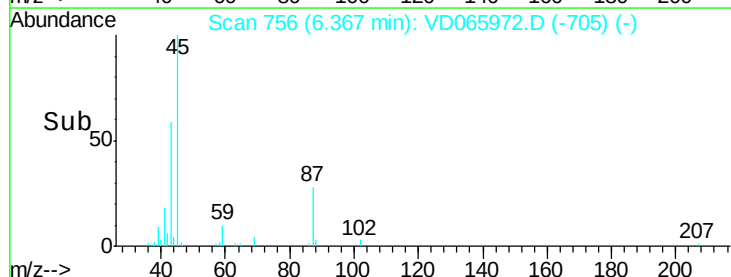
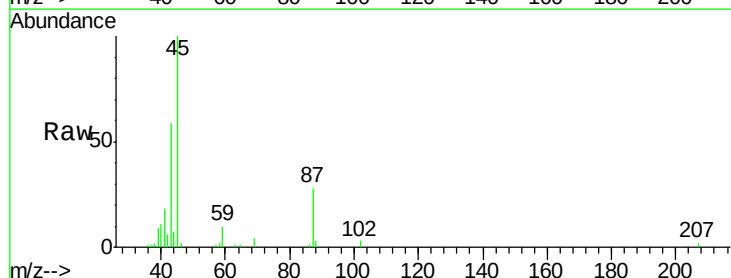
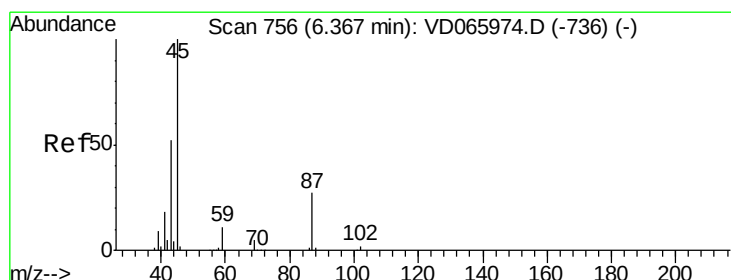
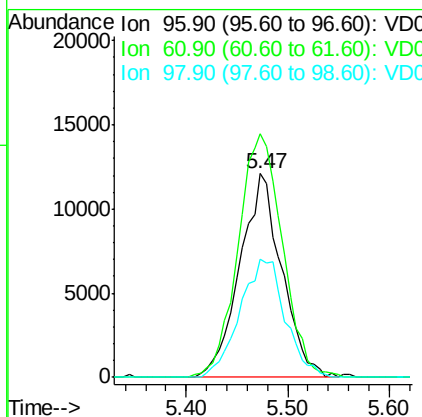
#21
trans-1,2-Dichloroethene
Concen: 10.422 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.6	100.5	150.7
98	57.9	49.7	74.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

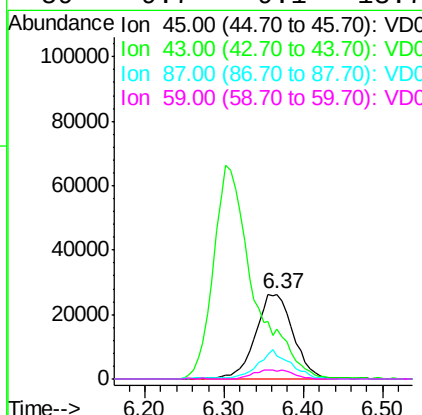
Manual Integrations
APPROVED

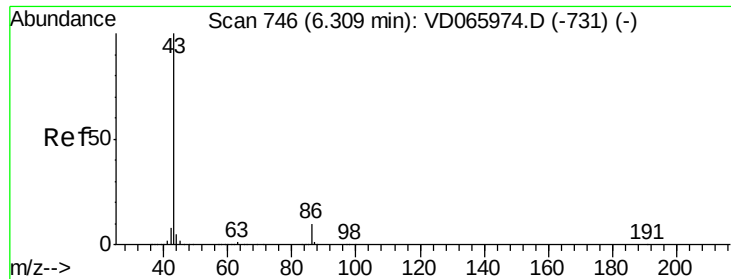
MMDadoda
7/22/2020 2:44:18 PM



#22
Diisopropyl ether
Concen: 10.200 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	43.0	64.4
87	27.7	22.0	33.0
59	9.7	9.1	13.7





#23

Vinyl Acetate

Concen: 49.307 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 231586

Ion Ratio Lower Upper

43 100

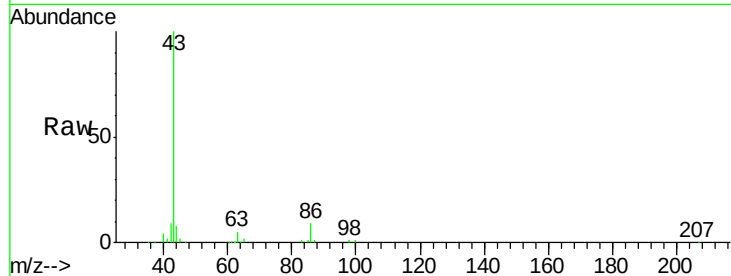
86 9.4 7.9 11.9

Manual Integrations

APPROVED

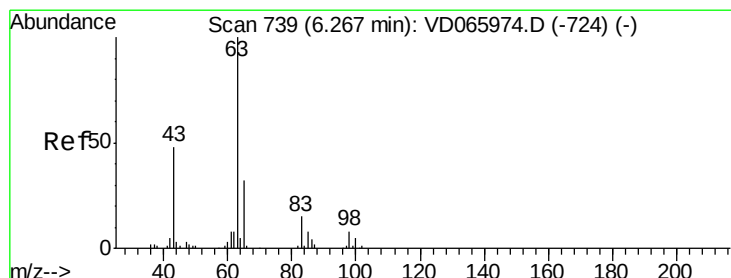
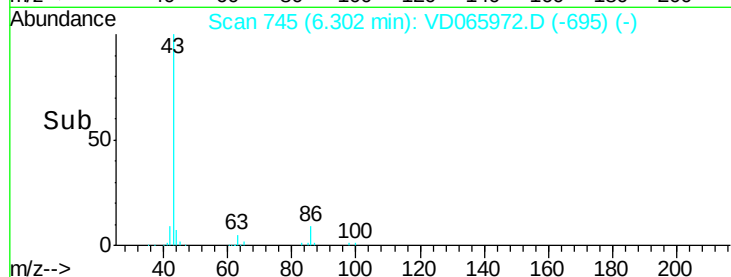
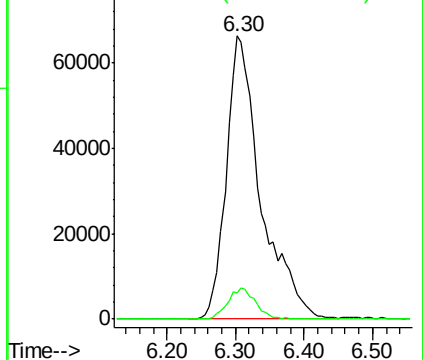
MMDadoda

7/22/2020 2:44:18 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: 9.959 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

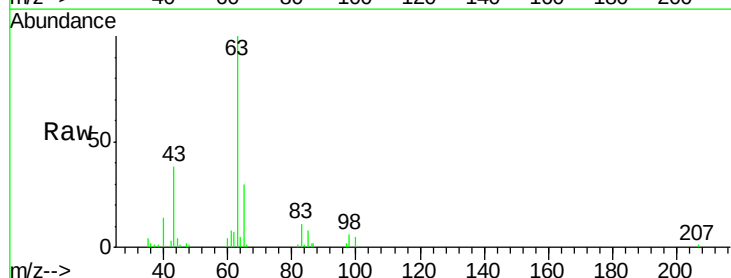
Tgt Ion: 63 Resp: 53322

Ion Ratio Lower Upper

63 100

98 6.1 4.3 12.8

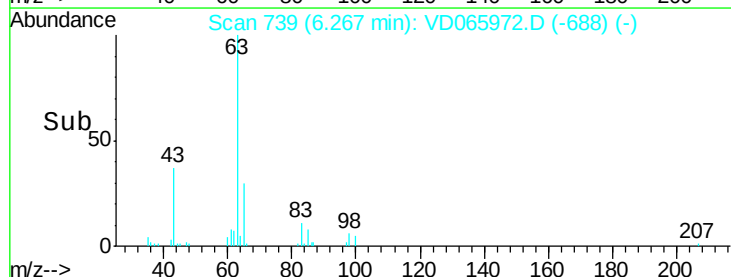
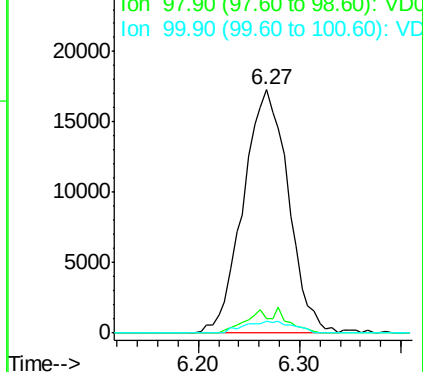
100 5.1 2.5 7.5

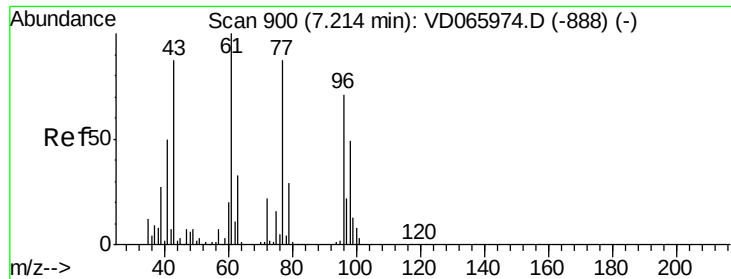


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





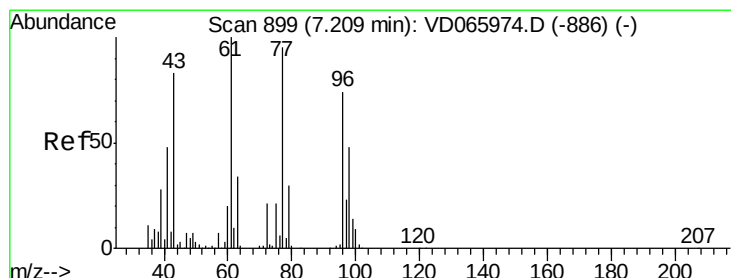
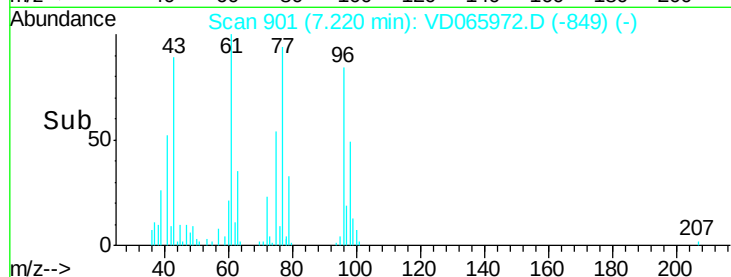
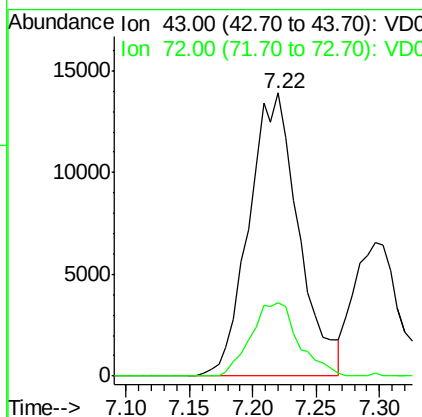
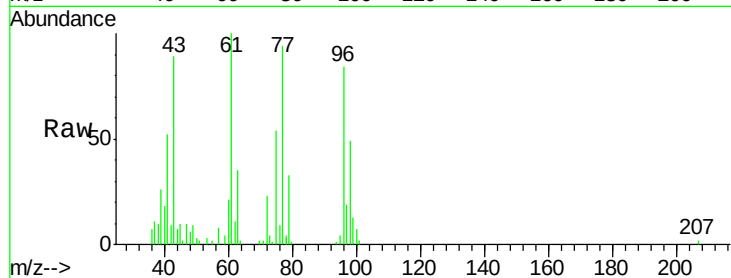
#25
2-Butanone
Concen: 49.583 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 38092
Ion Ratio Lower Upper
43 100
72 25.8 20.2 30.2

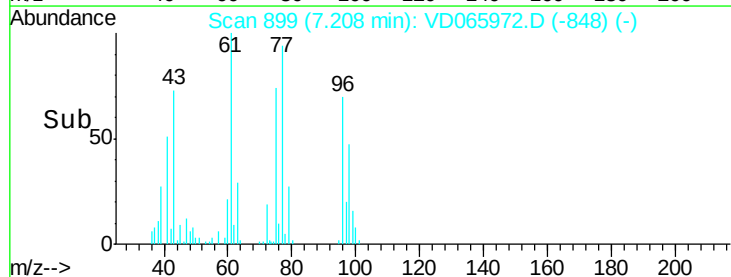
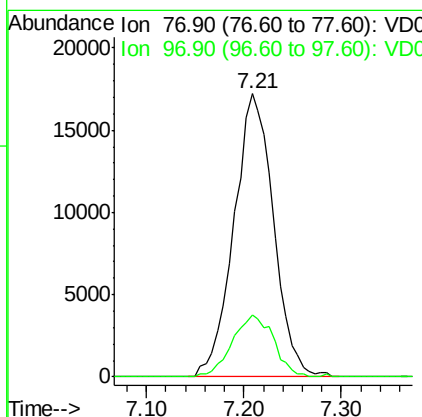
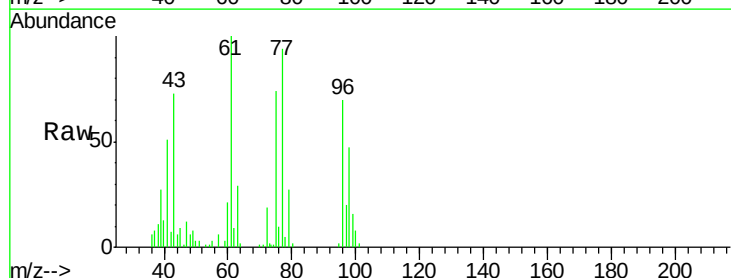
Manual Integrations
APPROVED

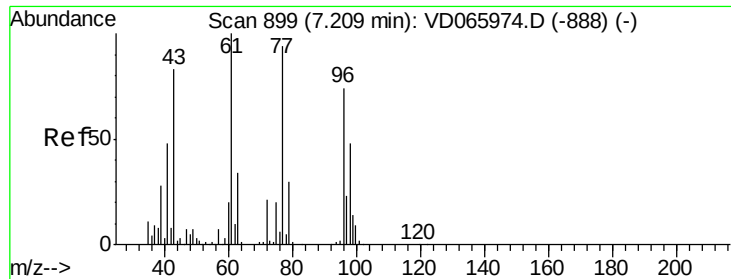
MMDadoda
7/22/2020 2:44:18 PM



#26
2,2-Dichloropropane
Concen: 9.913 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion: 77 Resp: 48712
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.7





#27

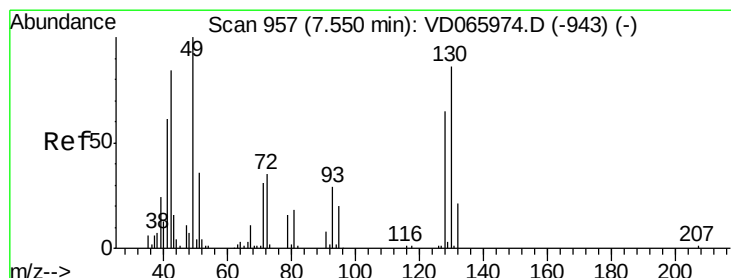
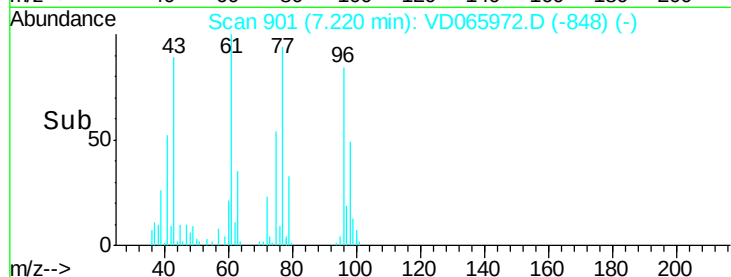
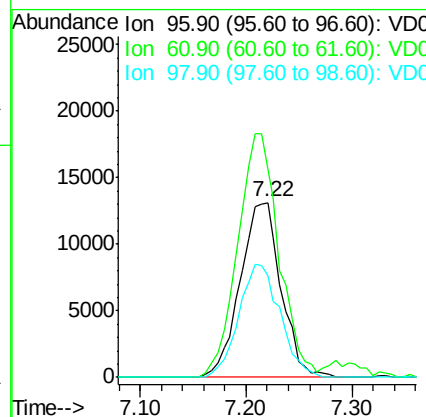
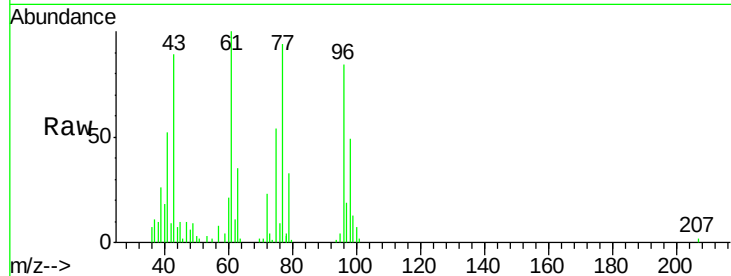
cis-1,2-Dichloroethene
 Concen: 10.096 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35195		
61	140.4		0.0	276.6
98	65.0		0.0	130.8

Manual Integrations
 APPROVED

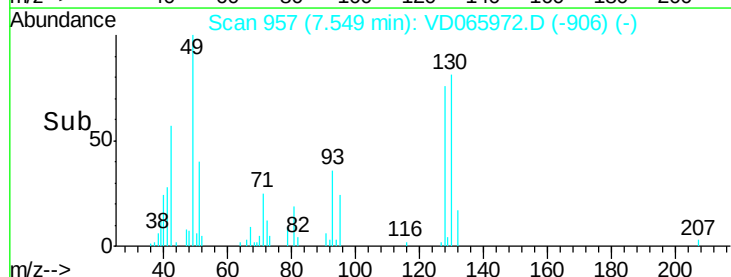
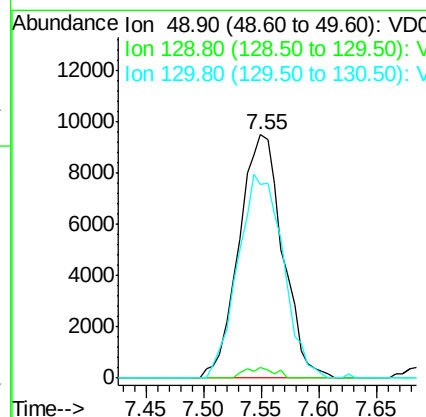
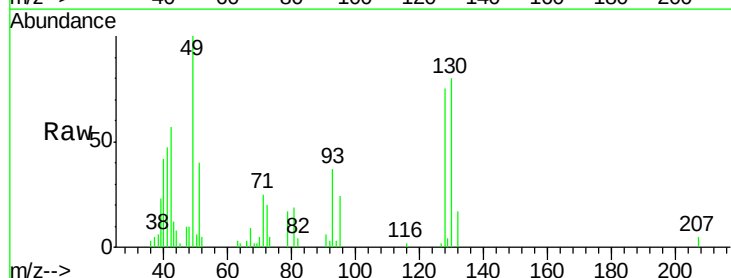
MMDadoda
 7/22/2020 2:44:18 PM

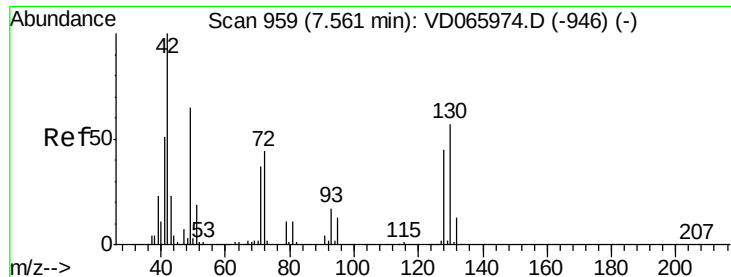


#28

Bromochloromethane
 Concen: 11.295 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24968		
129	2.9		0.0	4.8
130	86.6		68.4	102.6





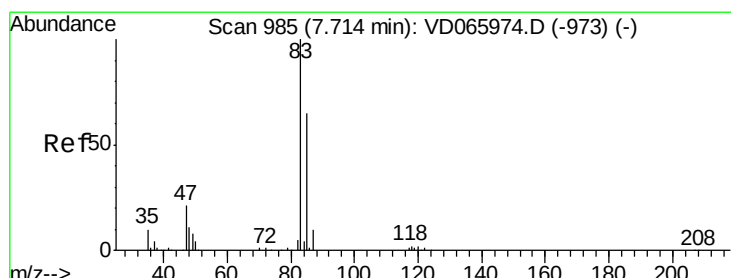
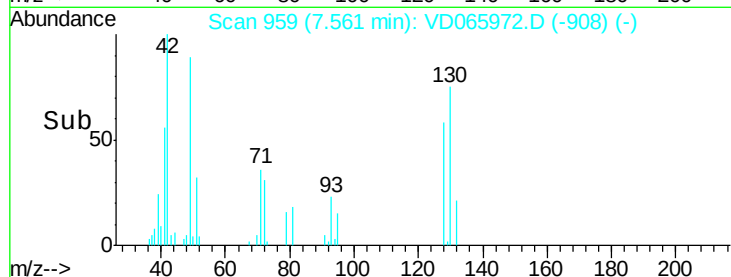
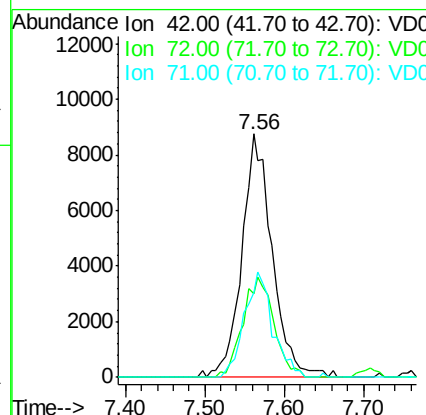
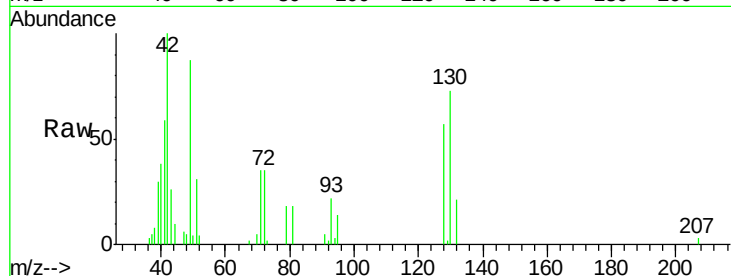
#29
Tetrahydrofuran
Concen: 49.580 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.2
71	40.4	31.4	47.2

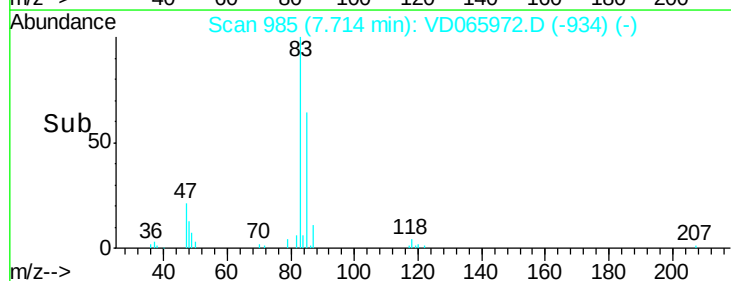
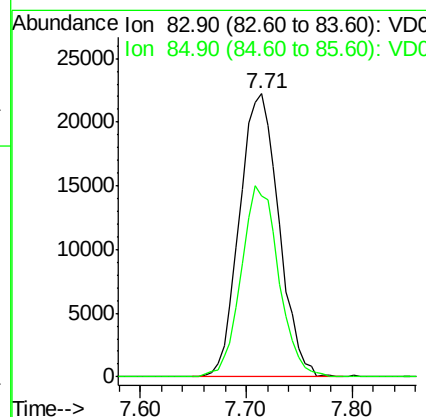
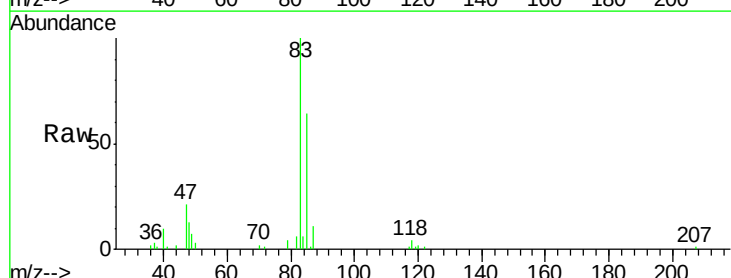
Manual Integrations
APPROVED

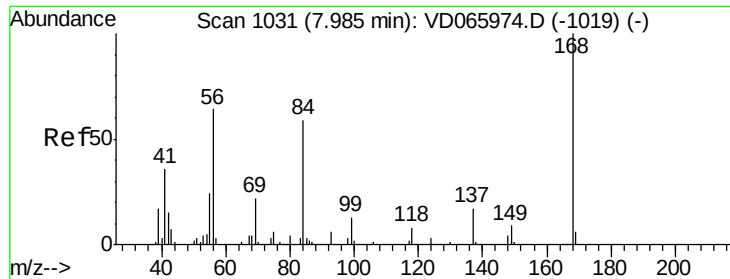
MMDadoda
7/22/2020 2:44:18 PM



#30
Chloroform
Concen: 10.341 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.1	78.1





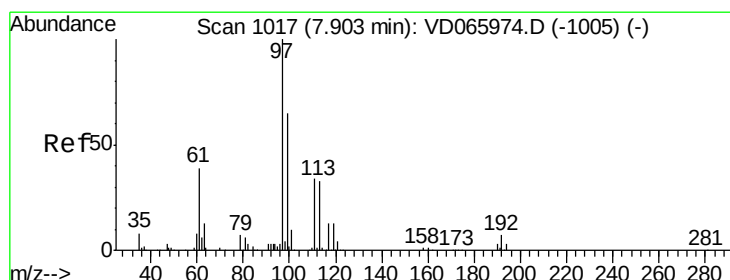
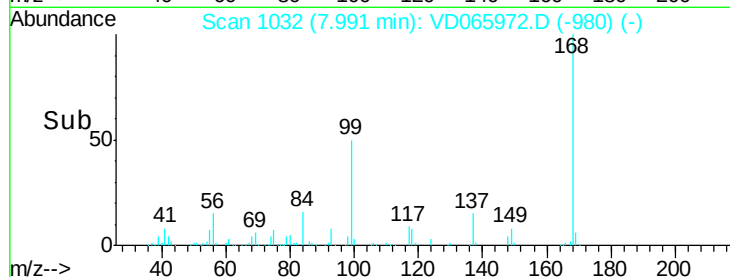
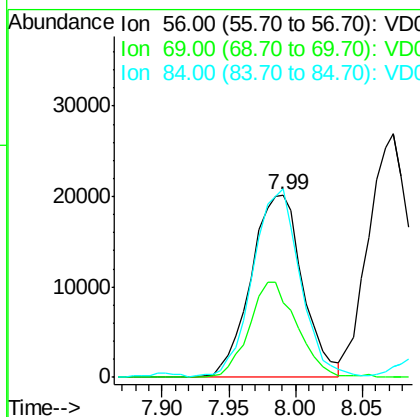
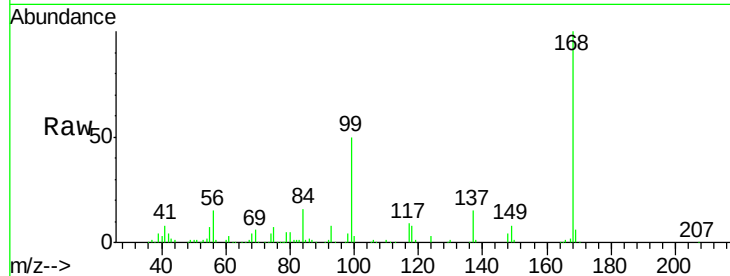
#31
Cyclohexane
Concen: 10.068 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	28.0	42.0
84	103.6	72.6	109.0

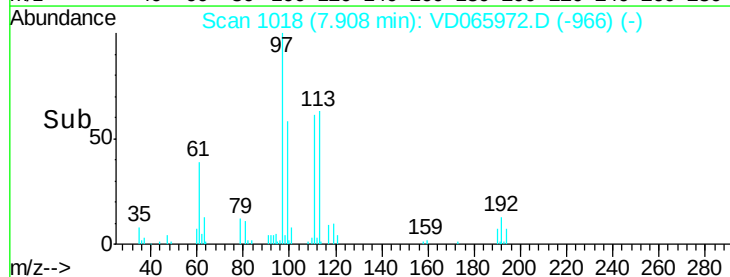
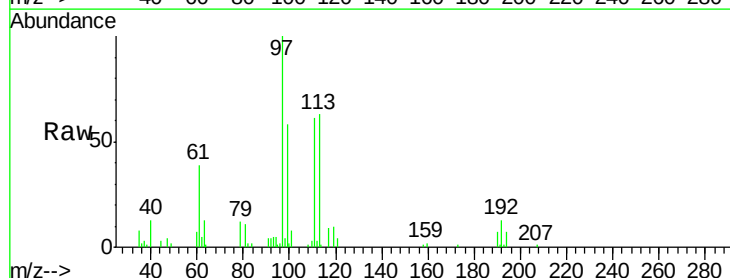
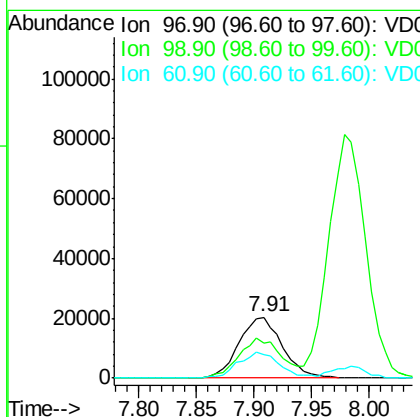
Manual Integrations
APPROVED

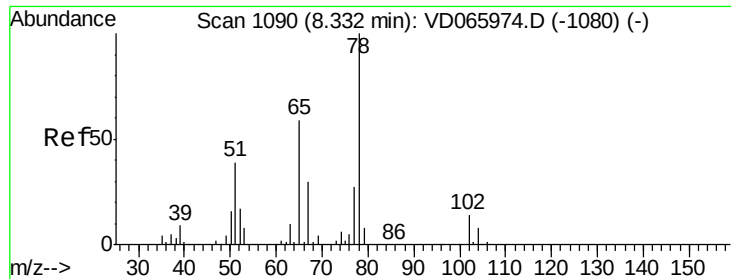
MMDadoda
7/22/2020 2:44:18 PM



#32
1,1,1-Trichloroethane
Concen: 10.190 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	41.4	33.3	49.9





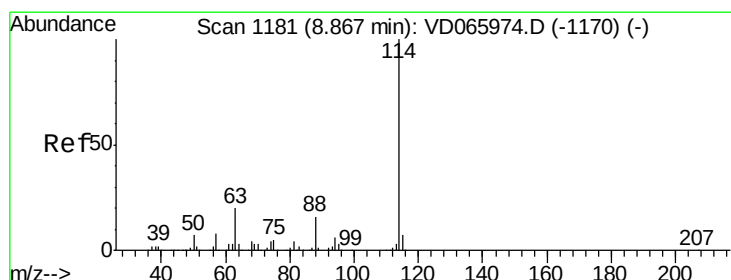
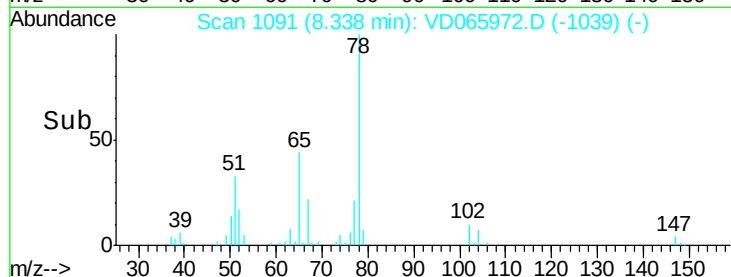
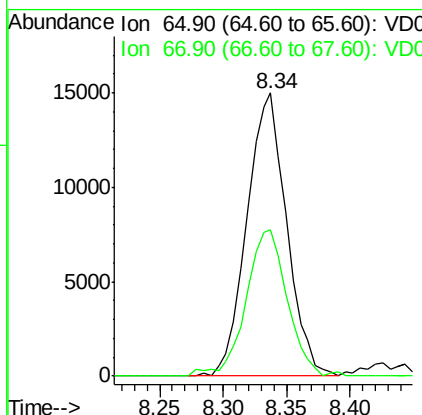
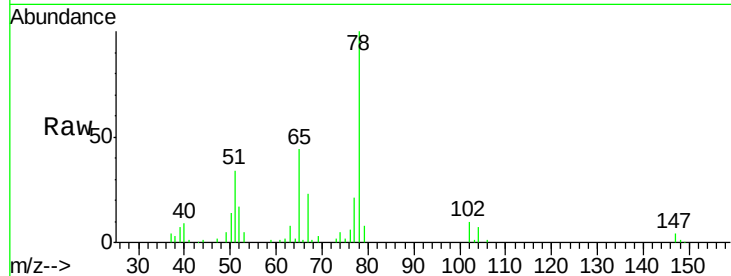
#33
 1,2-Dichloroethane-d4
 Concen: 11.311 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	32657		
67	53.9	0.0	105.0	

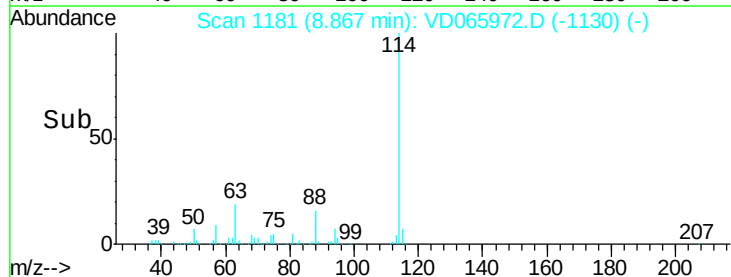
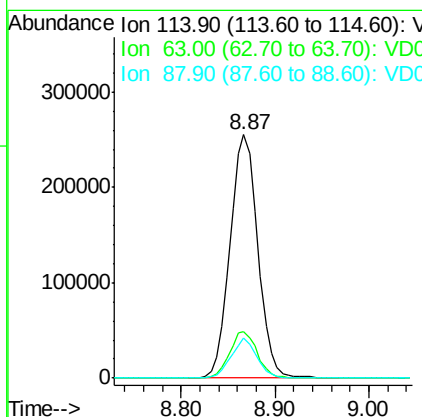
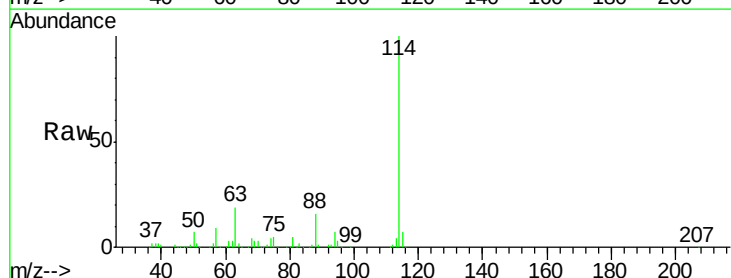
Manual Integrations
 APPROVED

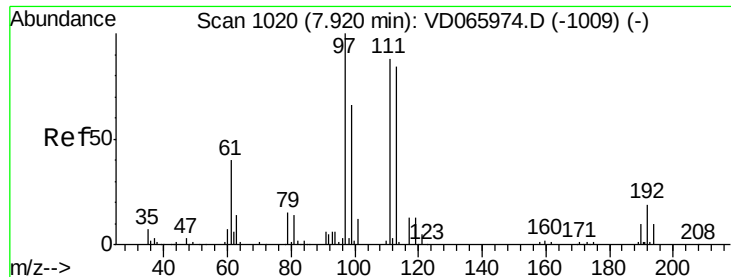
MMDadoda
 7/22/2020 2:44:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	523962		
63	19.1	0.0	39.6	
88	16.2	0.0	31.2	





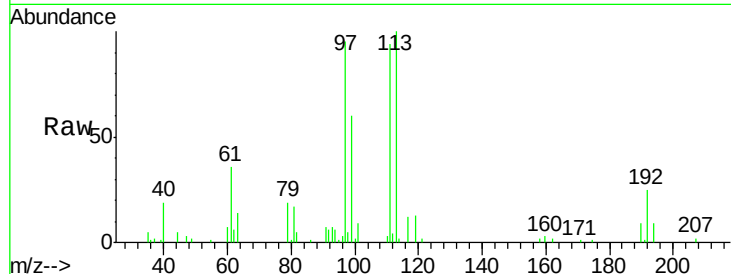
#35
 Dibromofluoromethane
 Concen: 11.794 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.5	83.2	124.8
192	21.0	18.7	28.1

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:18 PM

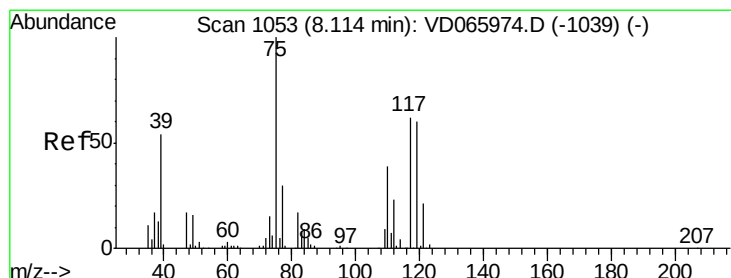
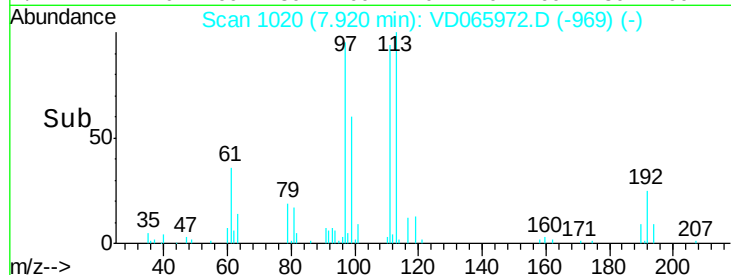
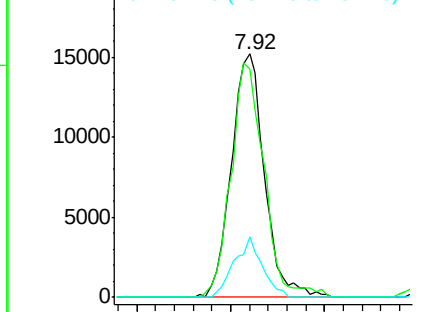


Abundance

Ion 112.80 (112.50 to 113.50): V

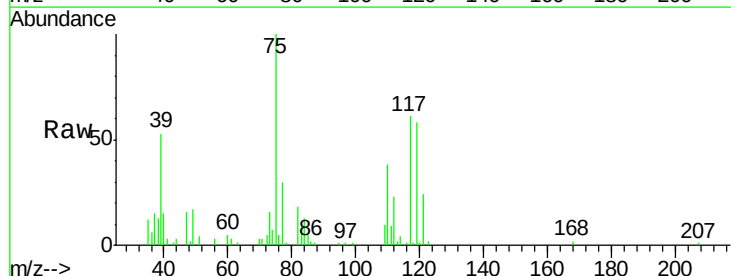
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 9.968 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.5	58.5
77	28.7	24.7	37.1

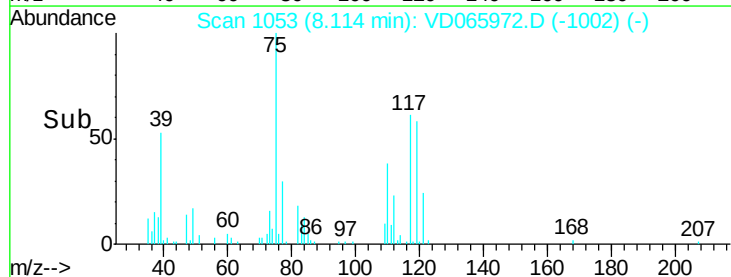
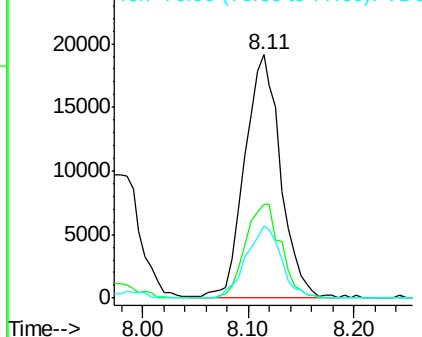


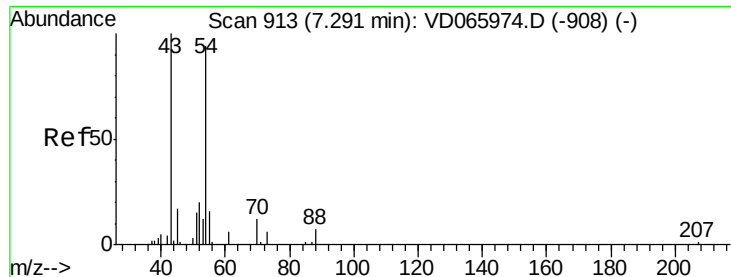
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





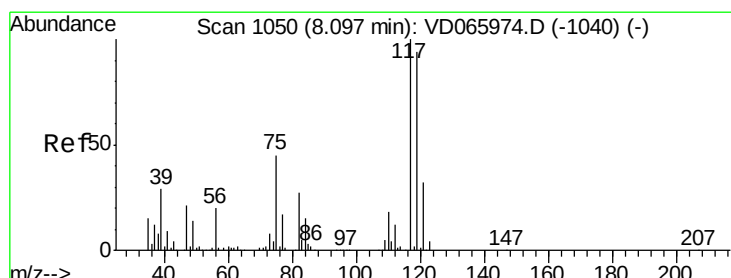
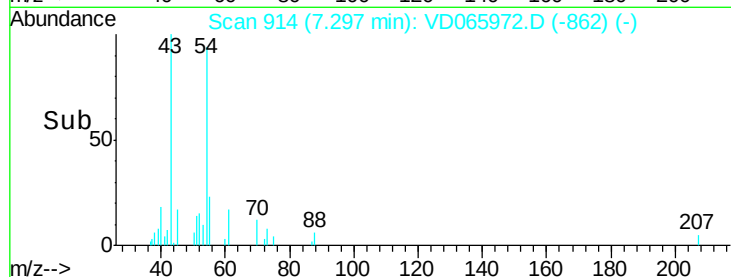
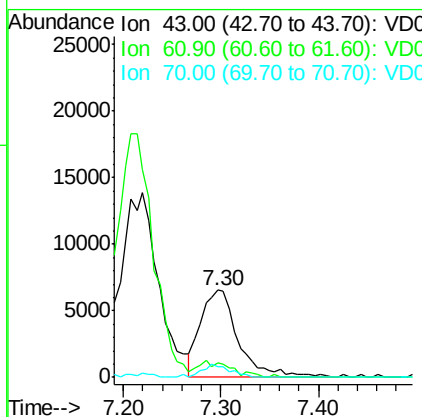
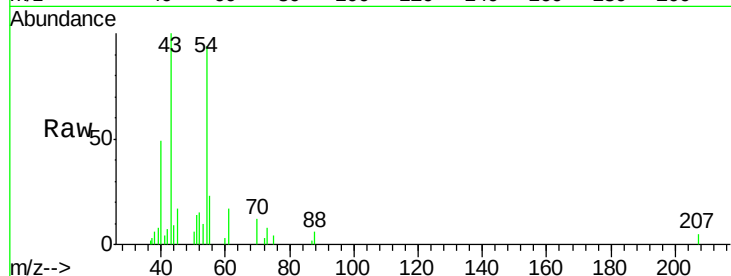
#37
Ethyl Acetate
Concen: 10.043 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.4	17.0
70	11.1	9.3	13.9

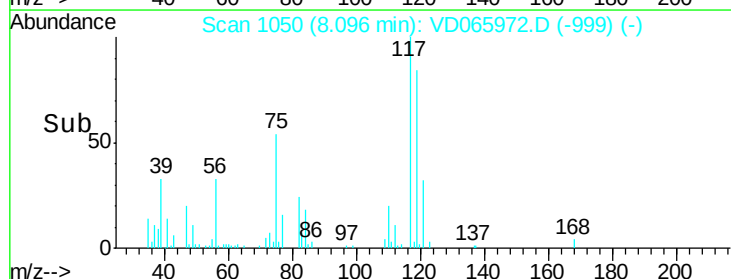
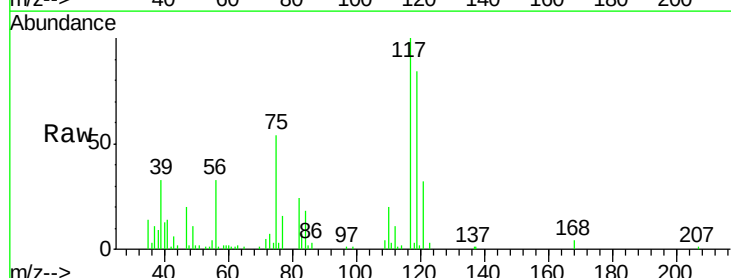
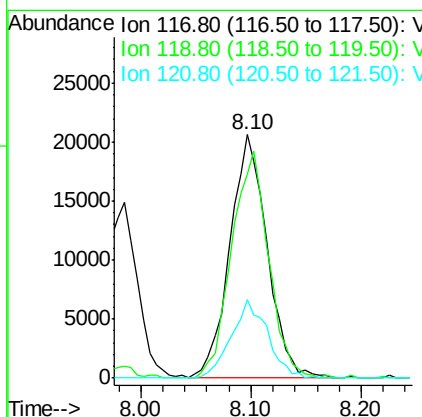
Manual Integrations
APPROVED

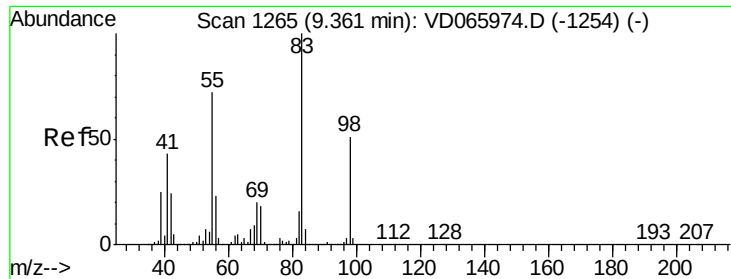
MMDadoda
7/22/2020 2:44:18 PM



#38
Carbon Tetrachloride
Concen: 10.127 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.8	75.0	112.6
121	32.5	25.5	38.3





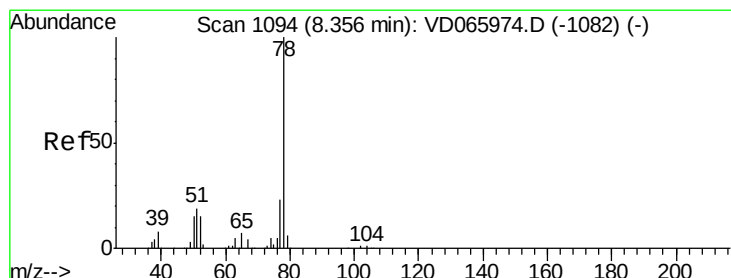
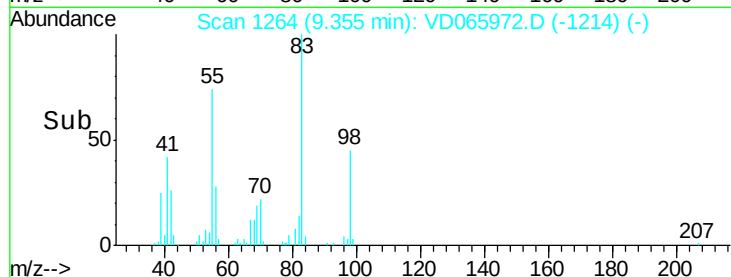
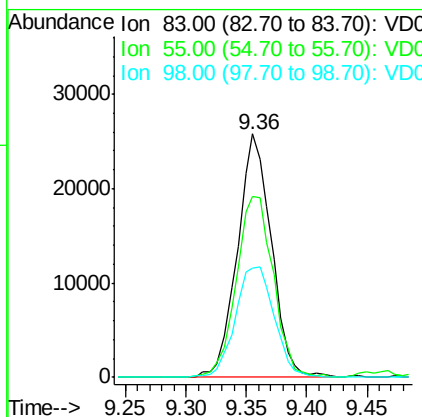
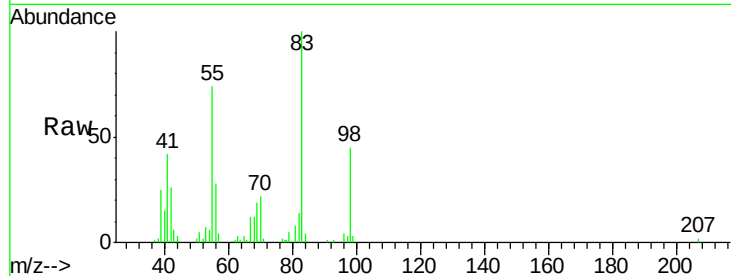
#39
Methylvlcyclohexane
Concen: 9.398 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	50640
Ion Ratio	Lower	Upper	
83	100		
55	74.1	57.3	85.9
98	44.8	41.0	61.6

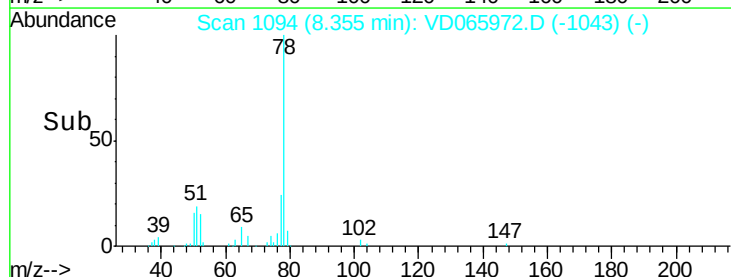
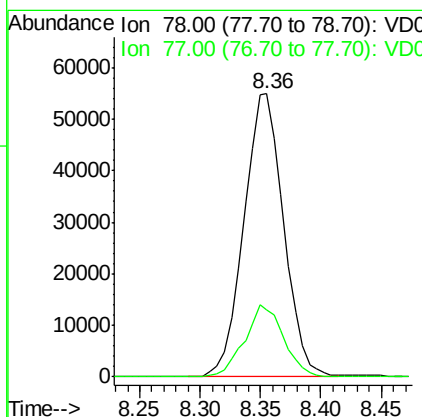
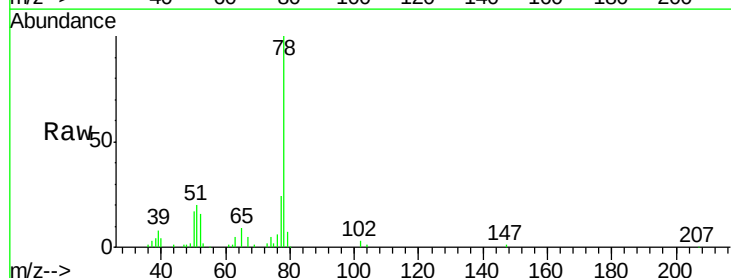
Manual Integrations
APPROVED

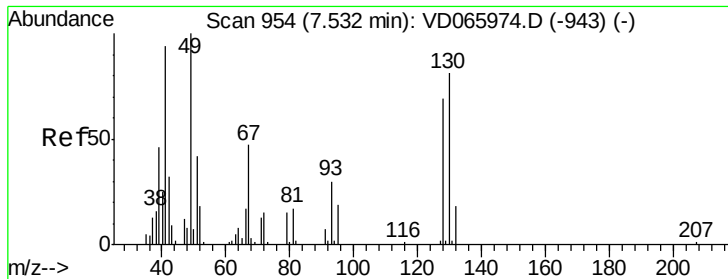
MMDadoda
7/22/2020 2:44:18 PM



#40
Benzene
Concen: 9.948 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	78	Resp	125543
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.6	27.8





#41

Methacrylonitrile

Concen: 6.060 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 7908

Ion Ratio Lower Upper

41 100

39 70.5 0.0 0.0#

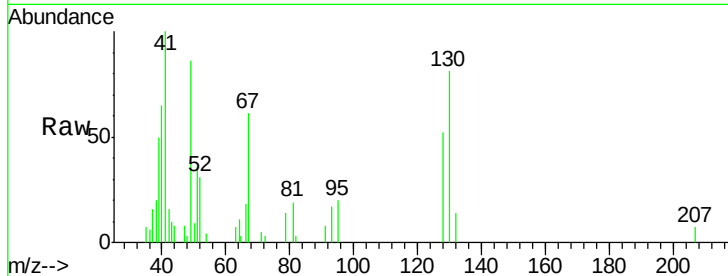
67 84.5 0.0 0.0#

52 41.8 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

7/22/2020 2:44:18 PM

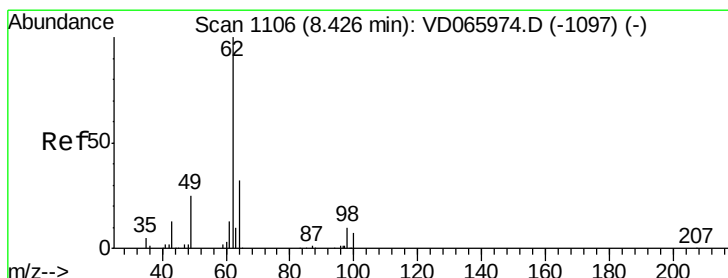
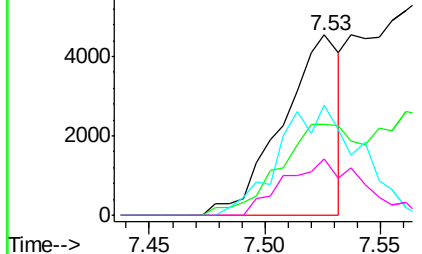
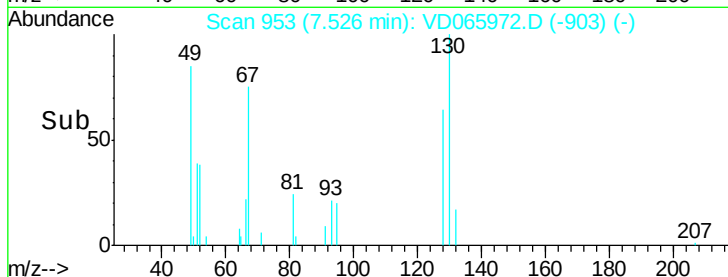


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 9.871 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065972.D

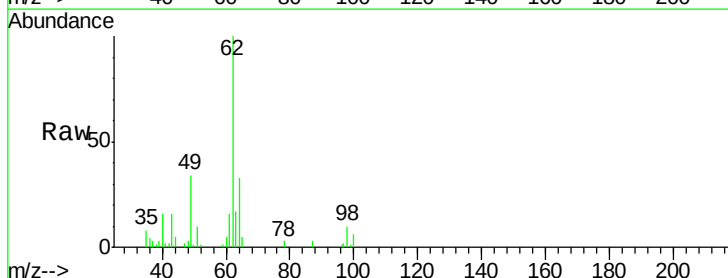
Acq: 21 Jul 2020 10:22

Tgt Ion: 62 Resp: 34240

Ion Ratio Lower Upper

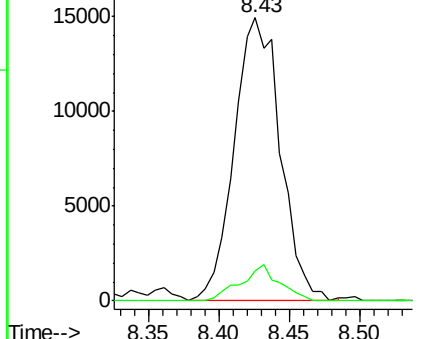
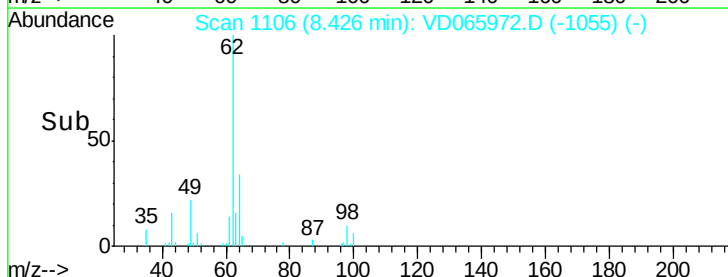
62 100

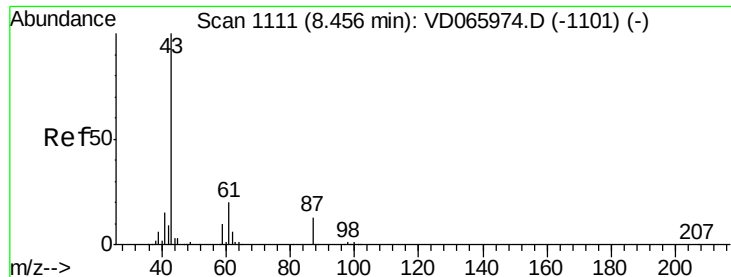
98 10.6 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 9.620 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

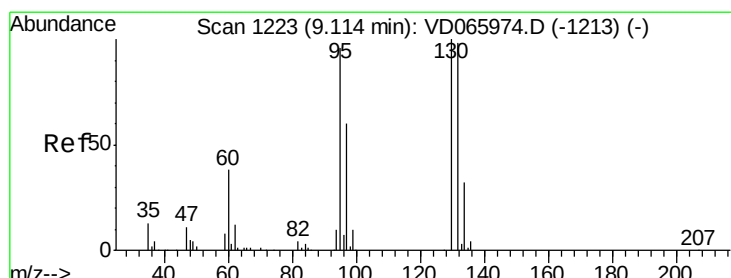
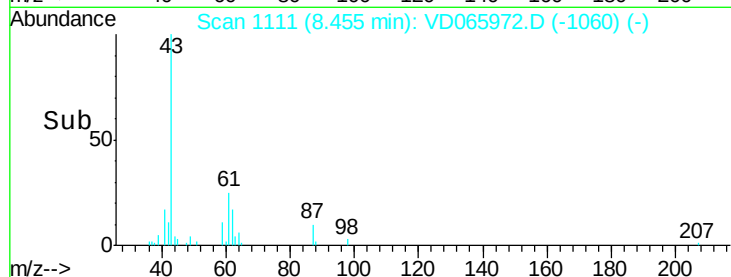
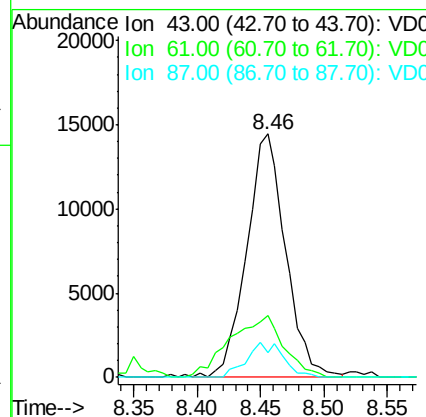
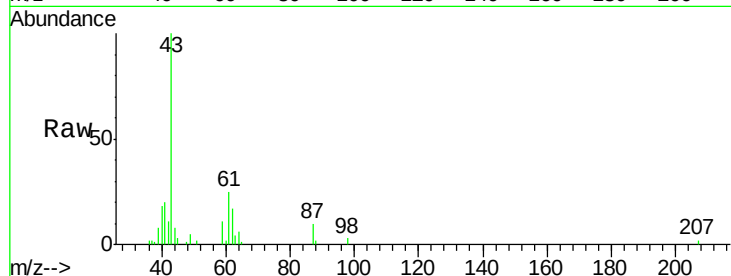
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	30904
Ion	Ratio	Lower	Upper
43	100		
61	35.2	25.8	38.8
87	13.3	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM



#44

Trichloroethene

Concen: 9.930 ug/l

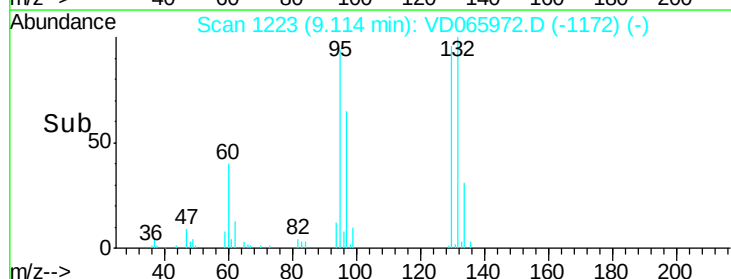
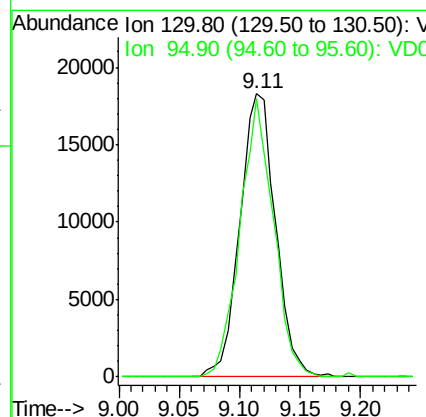
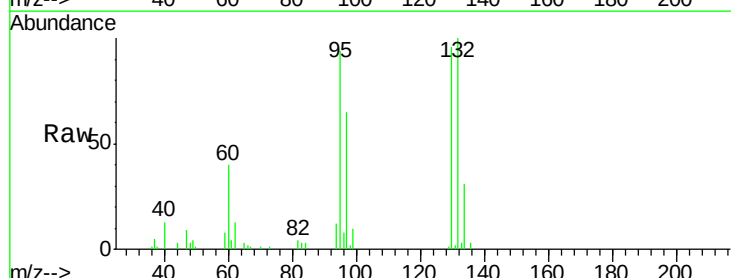
RT: 9.11 min Scan# 1223

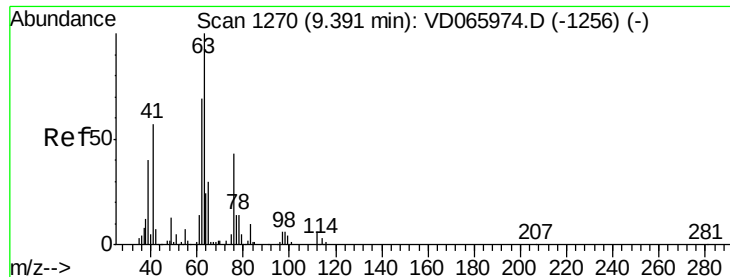
Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Tgt Ion:	130	Resp:	37701
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	191.6





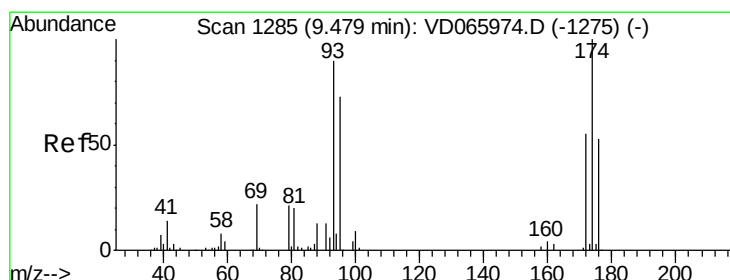
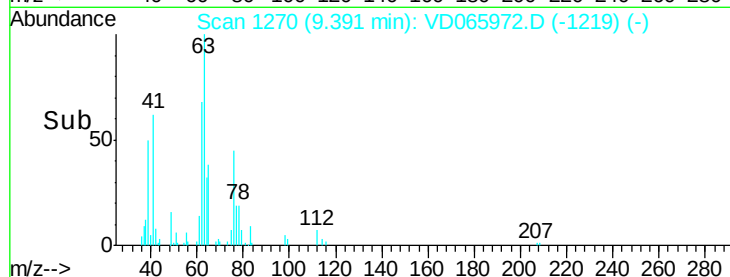
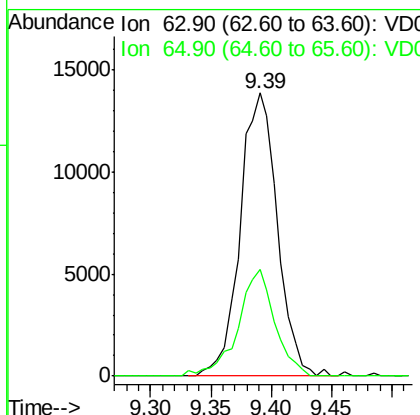
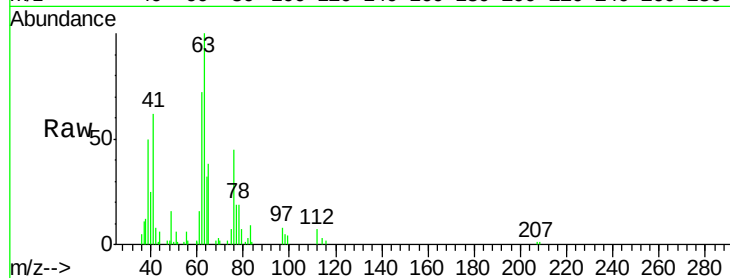
#45
 1,2-Dichloropropane
 Concen: 9.814 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 29702
 Ion Ratio Lower Upper
 63 100
 65 37.9 24.0 36.0#

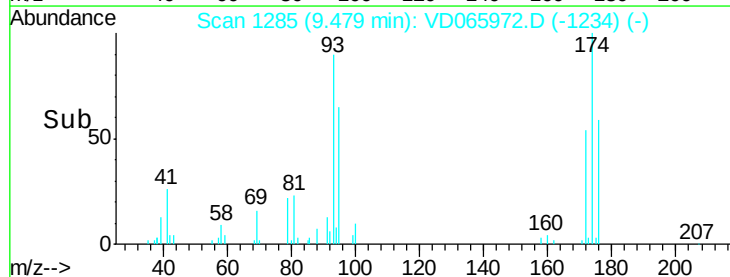
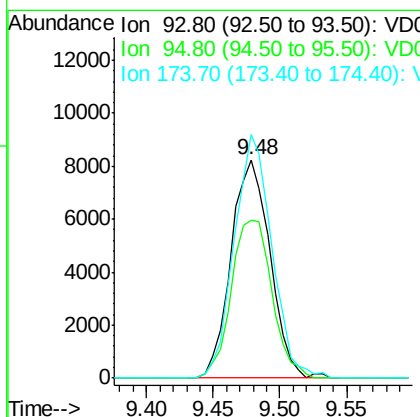
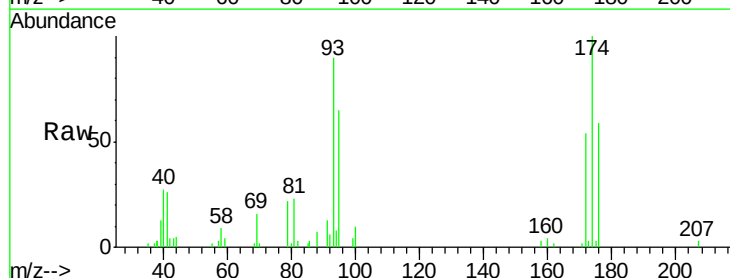
Manual Integrations
 APPROVED

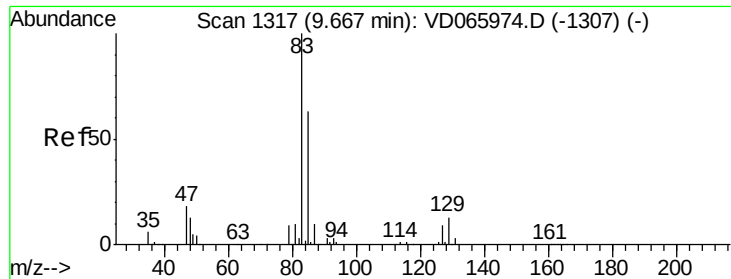
MMDadoda
 7/22/2020 2:44:18 PM



#46
 Dibromomethane
 Concen: 10.088 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion: 93 Resp: 16710
 Ion Ratio Lower Upper
 93 100
 95 75.5 66.2 99.4
 174 107.7 91.5 137.3





#47

Bromodichloromethane

Concen: 10.100 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

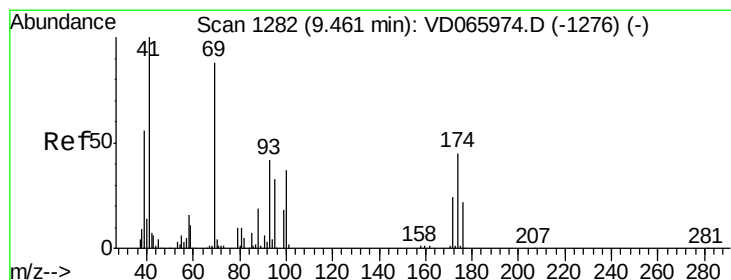
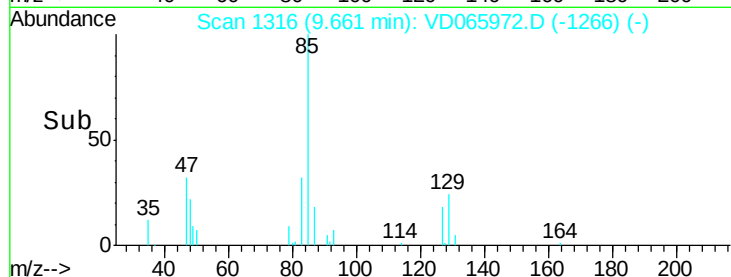
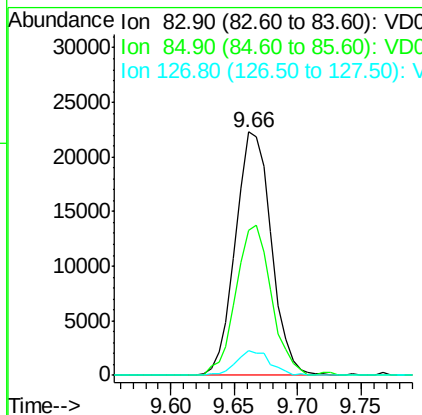
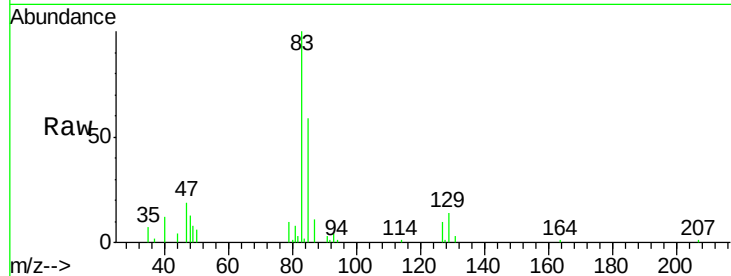
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	43842
Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.6	75.8
127	10.3	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM



#48

Methyl methacrylate

Concen: 9.733 ug/l

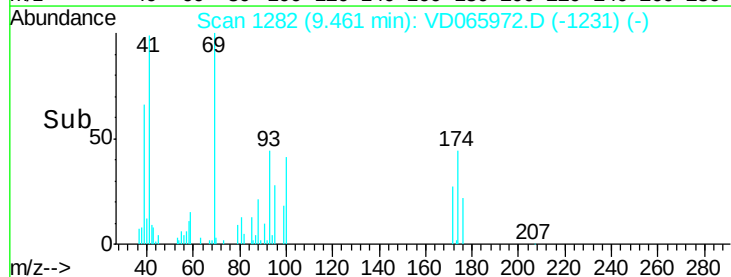
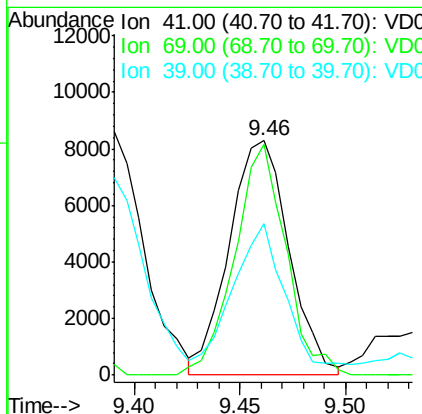
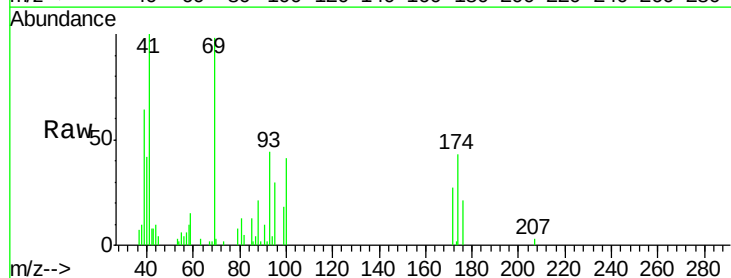
RT: 9.46 min Scan# 1282

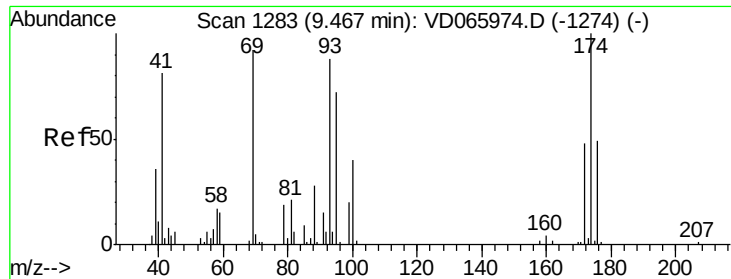
Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Tgt Ion:	41	Resp:	16286
Ion	Ratio	Lower	Upper
41	100		
69	84.4	65.1	97.7
39	59.3	41.5	62.3





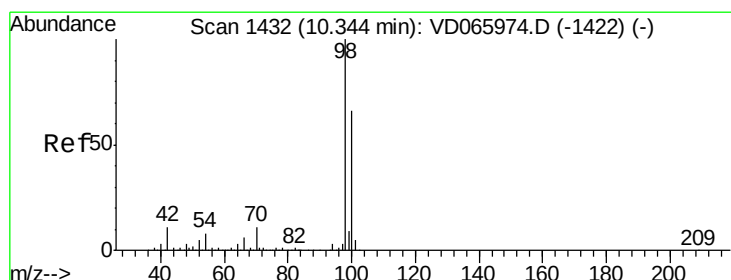
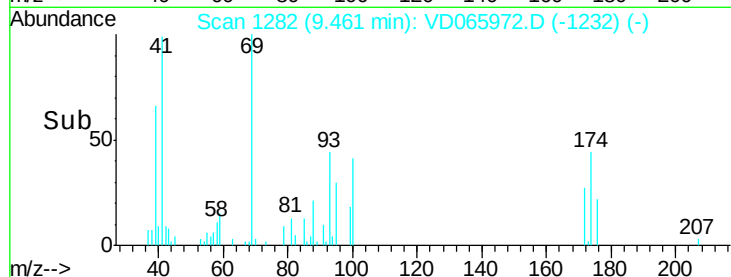
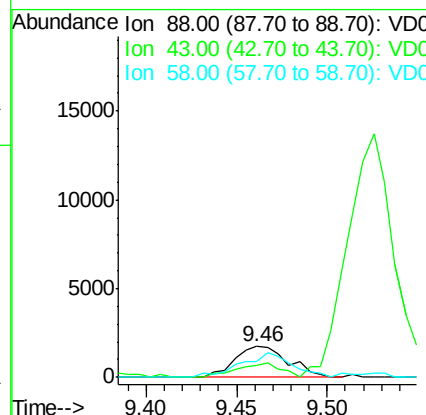
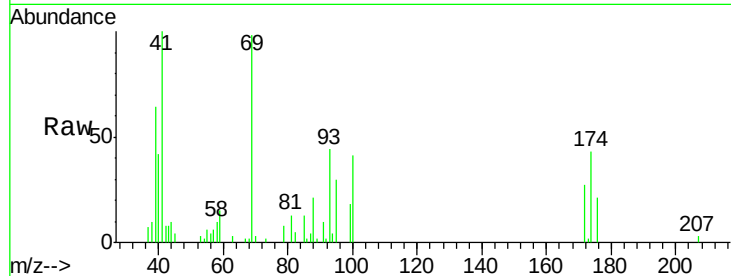
#49
1,4-Dioxane
Concen: 194.212 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.0	43.6
58	77.3	57.0	85.4

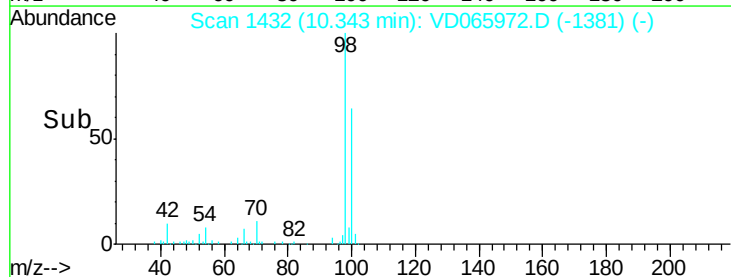
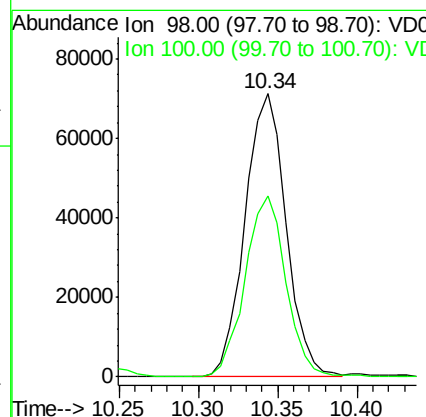
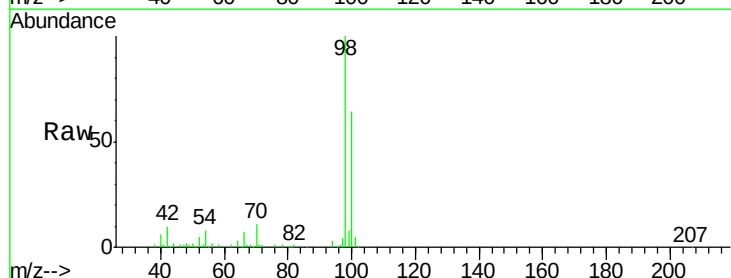
Manual Integrations
APPROVED

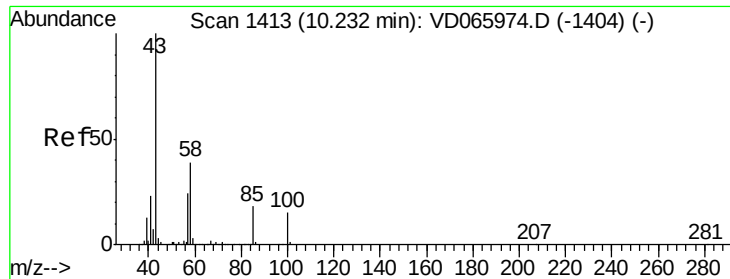
MMDadoda
7/22/2020 2:44:18 PM



#50
Toluene-d8
Concen: 10.924 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.7	79.1





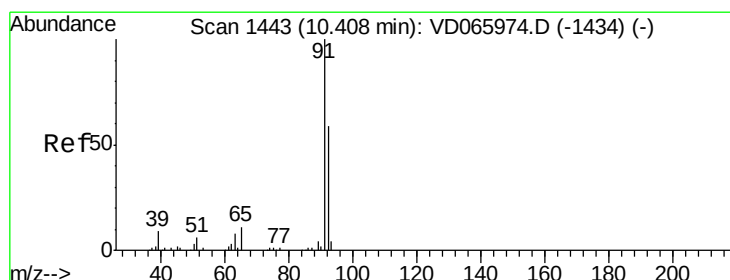
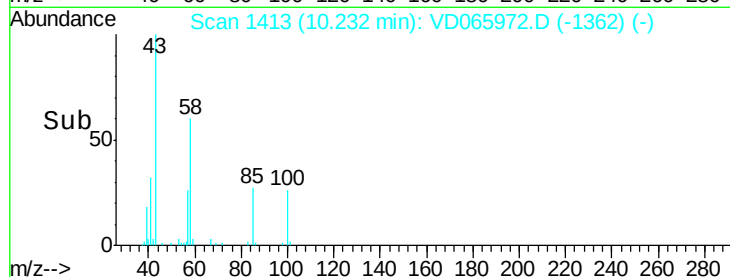
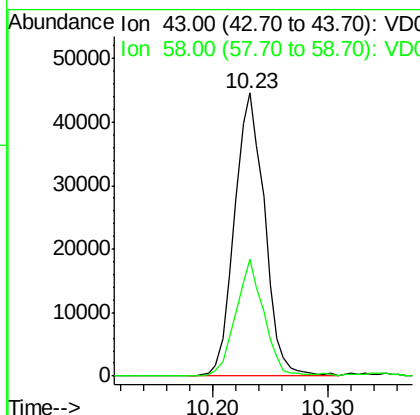
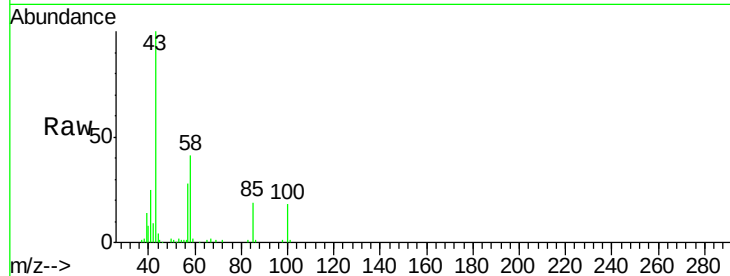
#51
 4-Methyl-2-Pentanone
 Concen: 49.115 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.3	46.9

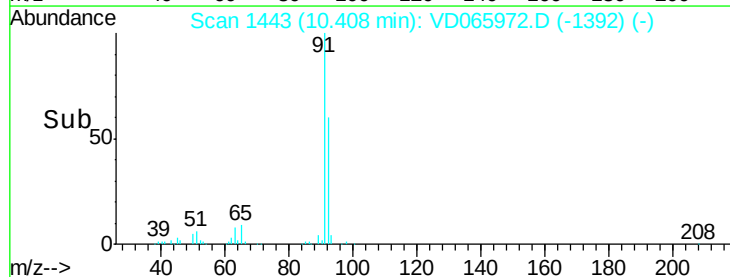
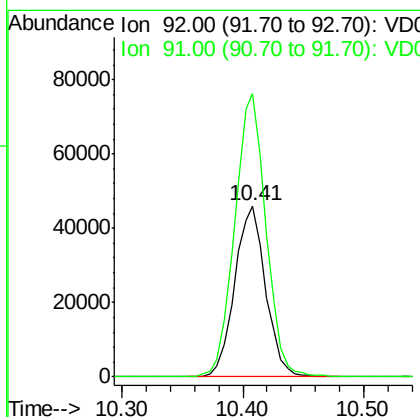
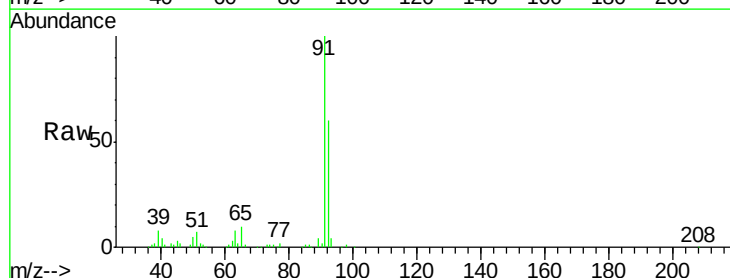
Manual Integrations
 APPROVED

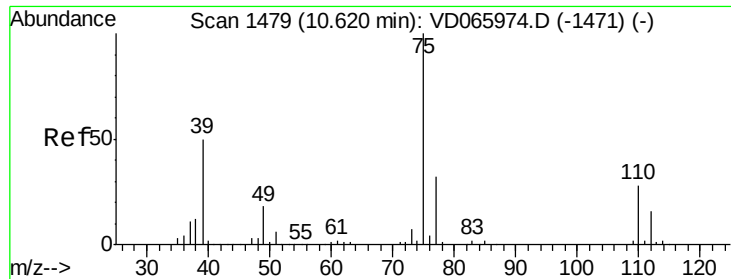
MMDadoda
 7/22/2020 2:44:18 PM



#52
 Toluene
 Concen: 10.093 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.0	134.5	201.7





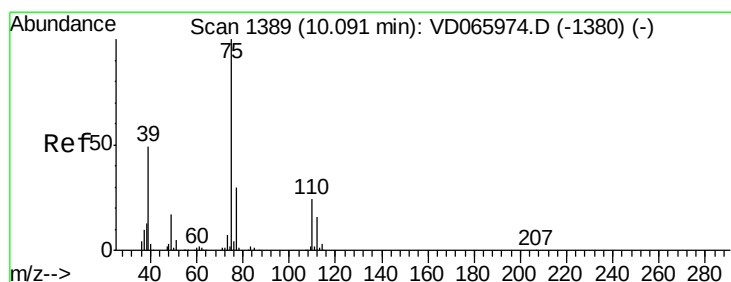
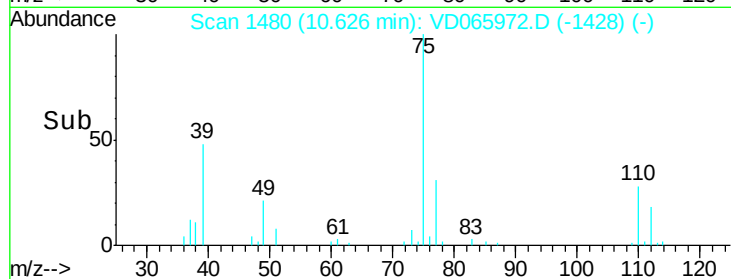
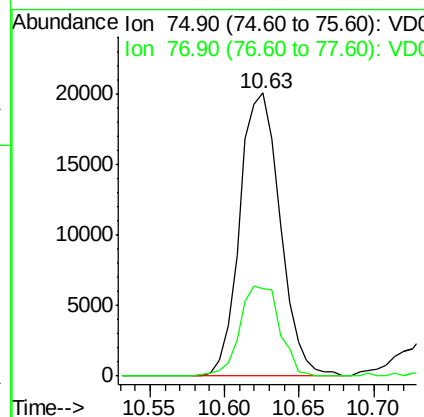
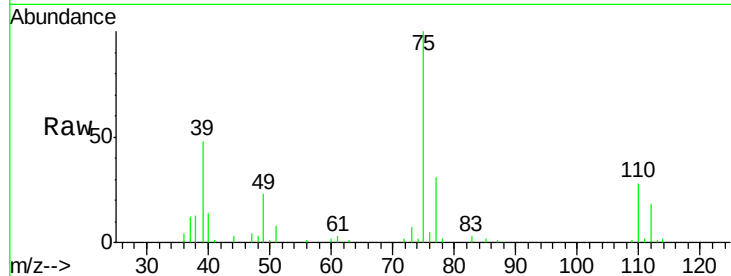
#53
 t-1,3-Dichloropropene
 Concen: 9.831 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.8	38.6

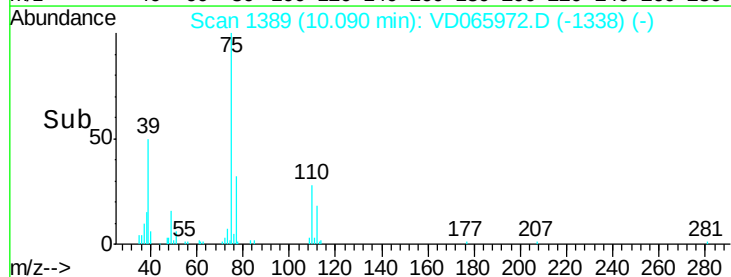
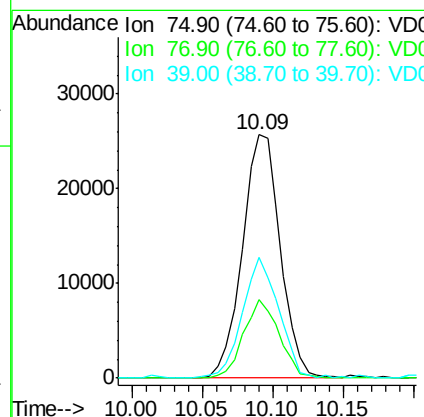
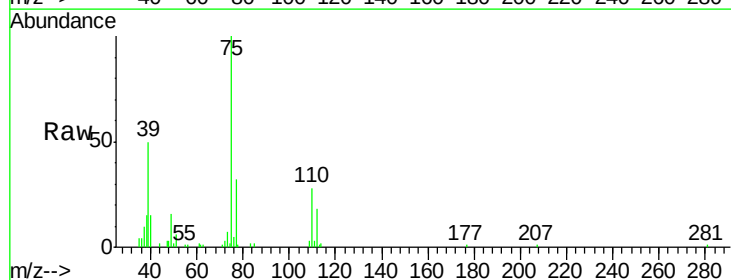
Manual Integrations
 APPROVED

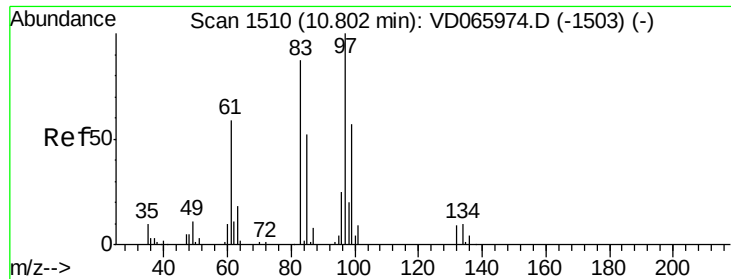
MMDadoda
 7/22/2020 2:44:18 PM



#54
 cis-1,3-Dichloropropene
 Concen: 10.168 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	23.8	35.8
39	49.6	38.8	58.2





#55

1,1,2-Trichloroethane

Concen: 10.069 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

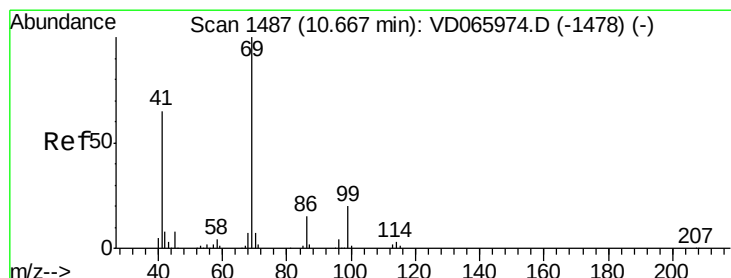
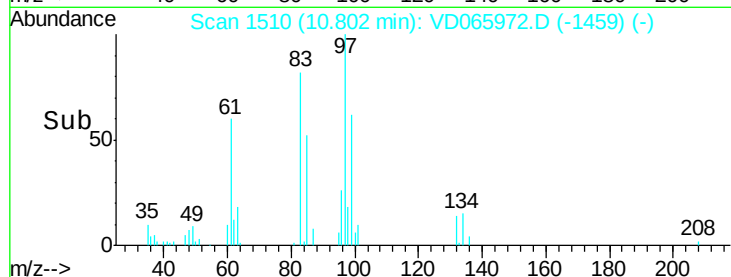
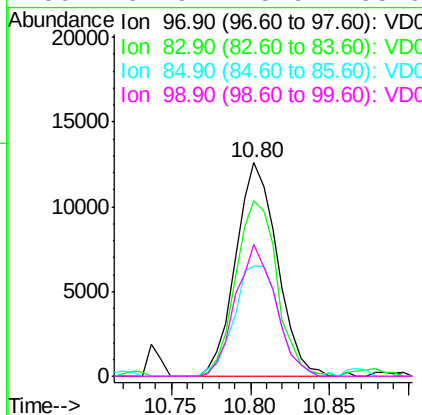
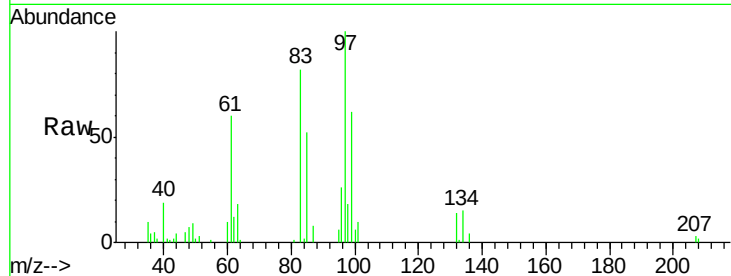
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	22953
Ion	Ratio	Lower	Upper
97	100		
83	81.9	69.7	104.5
85	51.8	41.6	62.4
99	61.9	45.9	68.9

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM



#56

Ethyl methacrylate

Concen: 9.943 ug/l

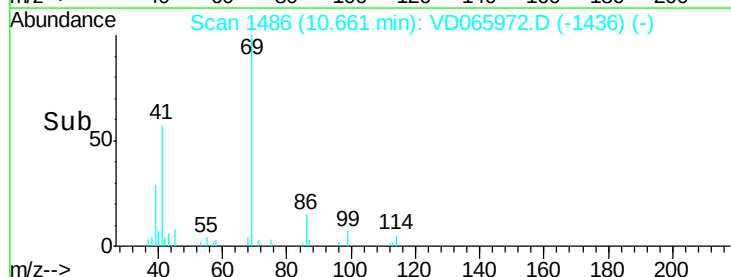
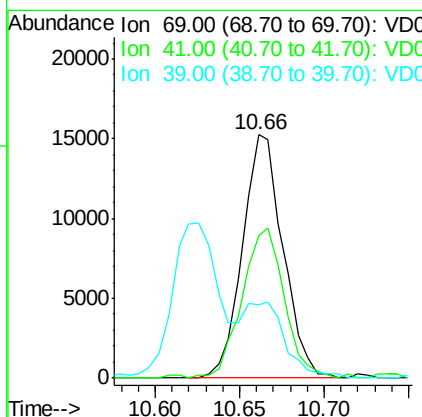
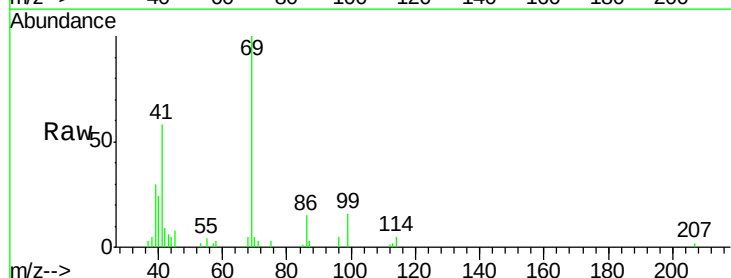
RT: 10.66 min Scan# 1486

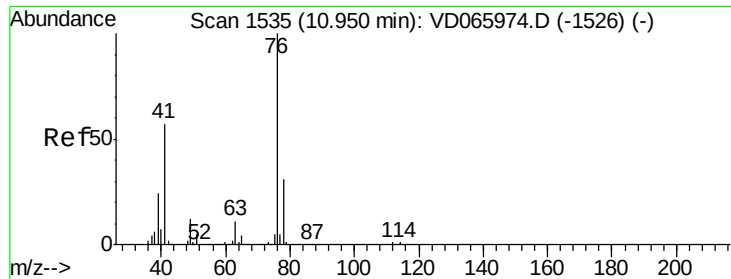
Delta R.T. -0.01 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Tgt Ion:	69	Resp:	25472
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.3	78.5
39	30.4	25.2	37.8





#57

1,3-Dichloropropane

Concen: 9.884 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 37486

Ion Ratio Lower Upper

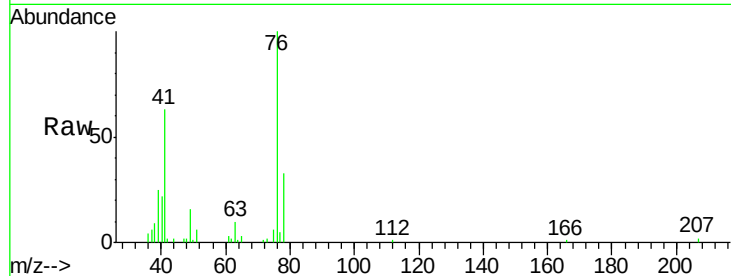
76 100

78 33.1 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

7/22/2020 2:44:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

20000

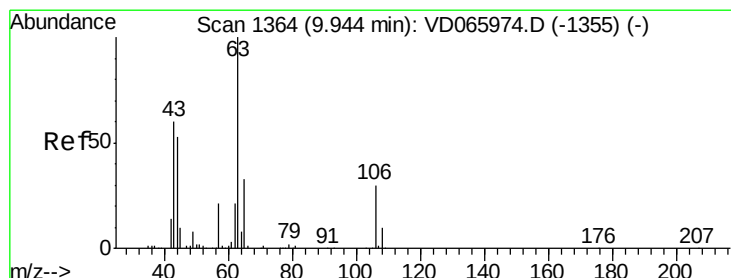
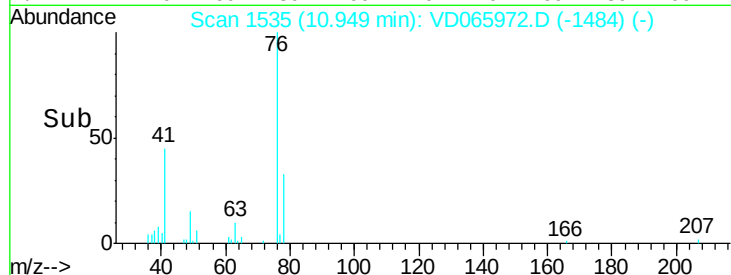
15000

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 60.469 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065972.D

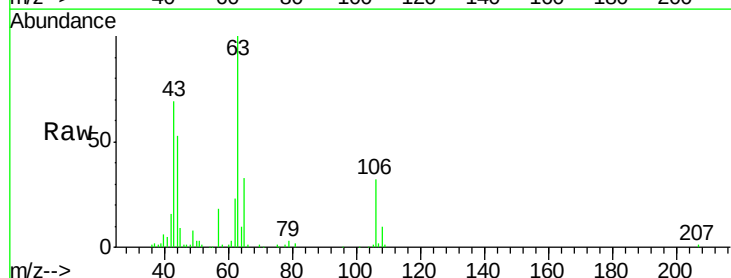
Acq: 21 Jul 2020 10:22

Tgt Ion: 63 Resp: 75612

Ion Ratio Lower Upper

63 100

106 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

40000

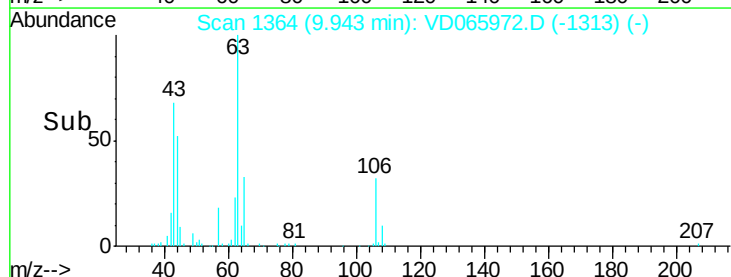
30000

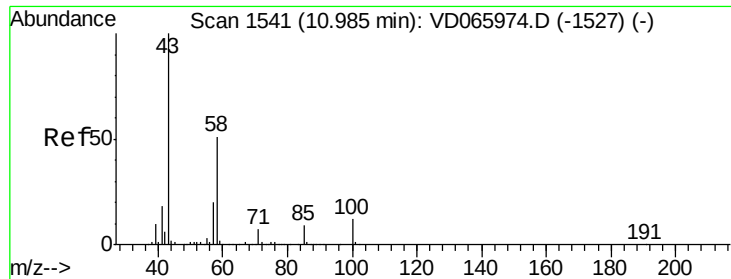
20000

10000

0

Time-->





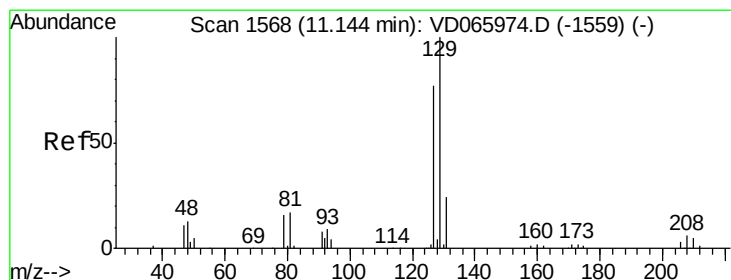
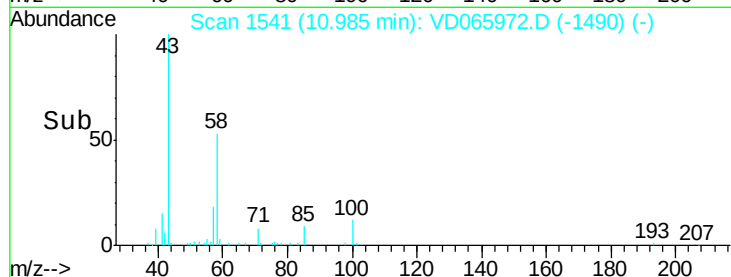
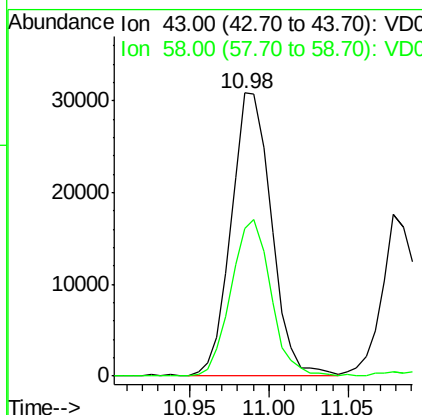
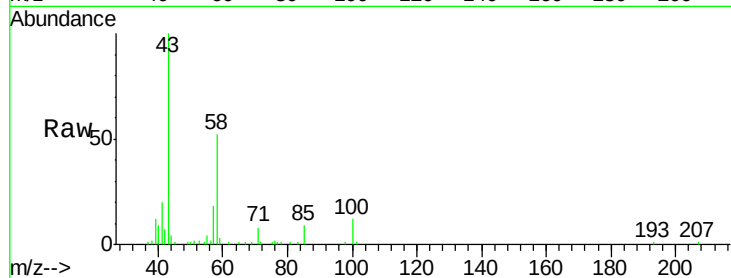
#59
2-Hexanone
Concen: 48.374 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 54528
Ion Ratio Lower Upper
43 100
58 54.4 26.2 78.6

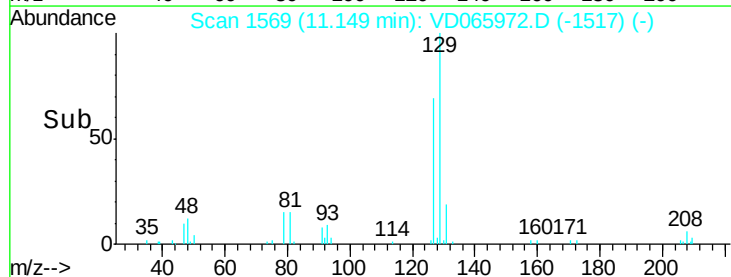
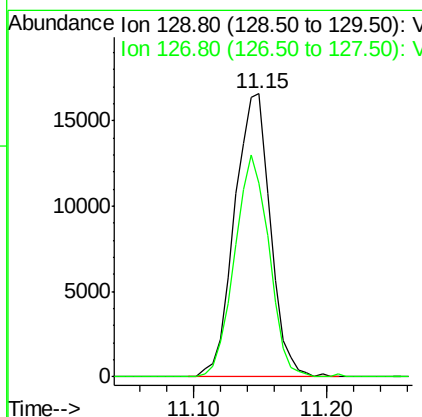
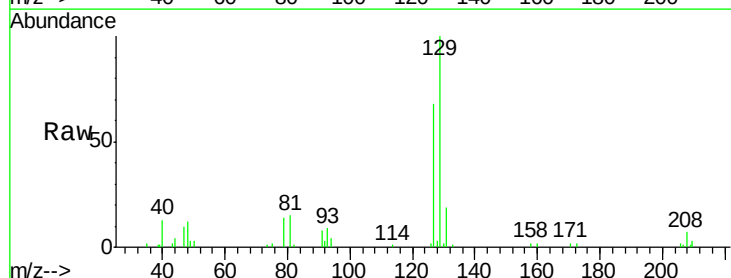
Manual Integrations
APPROVED

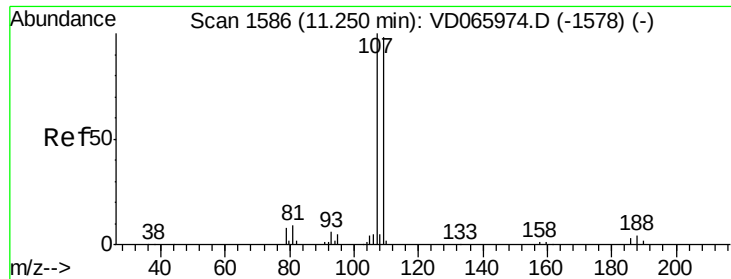
MMDadoda
7/22/2020 2:44:18 PM



#60
Dibromochloromethane
Concen: 9.994 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion: 129 Resp: 30783
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 9.748 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 21494

Ion Ratio Lower Upper

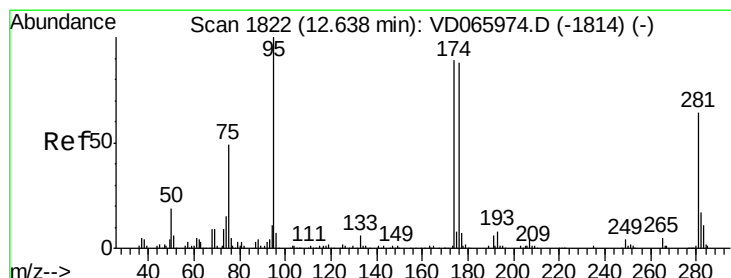
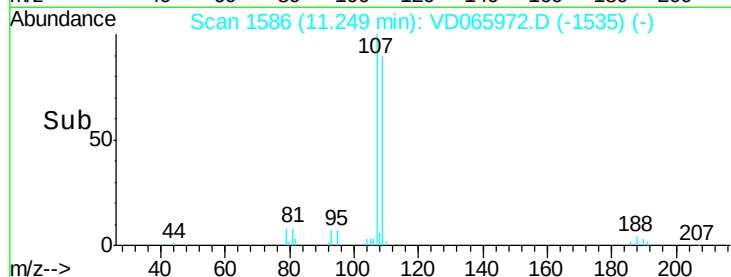
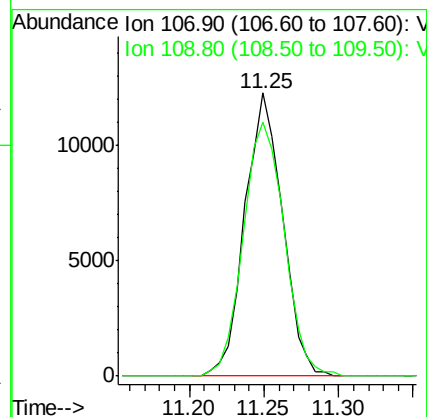
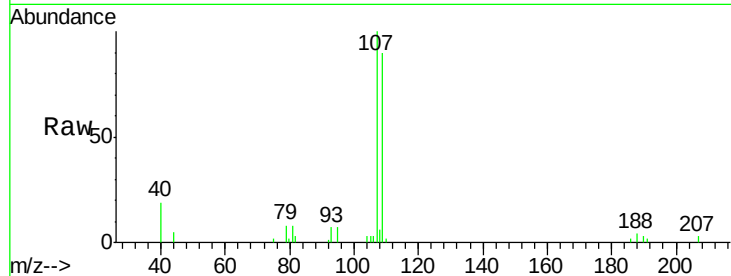
107 100

109 97.8 75.0 112.4

Manual Integrations
APPROVED

MMDadoda

7/22/2020 2:44:18 PM



#62

4-Bromofluorobenzene

Concen: 10.856 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

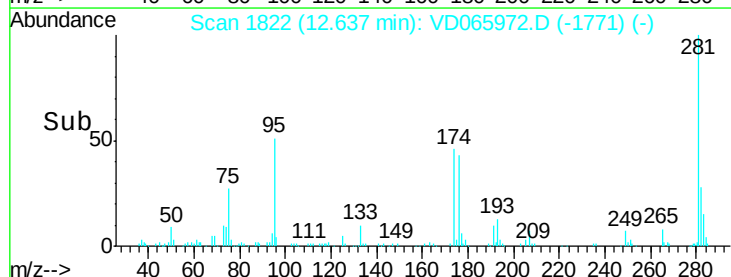
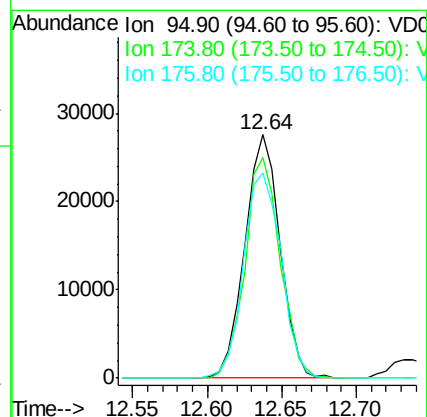
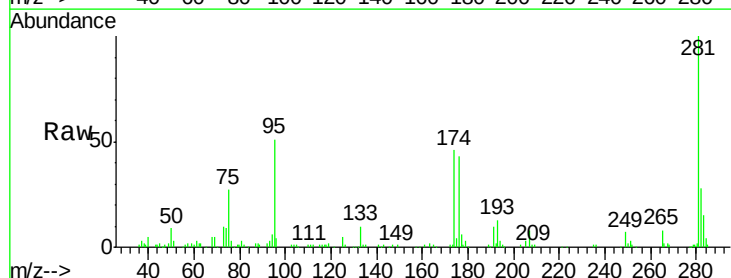
Tgt Ion: 95 Resp: 45014

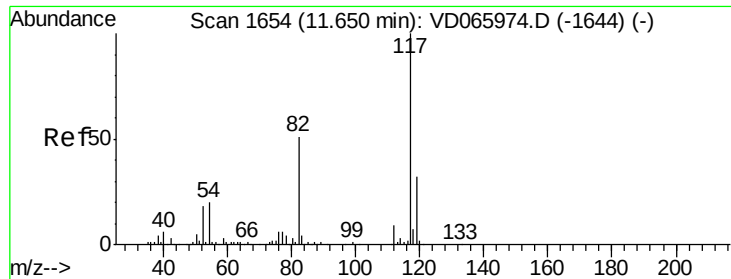
Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 89.9 0.0 172.6





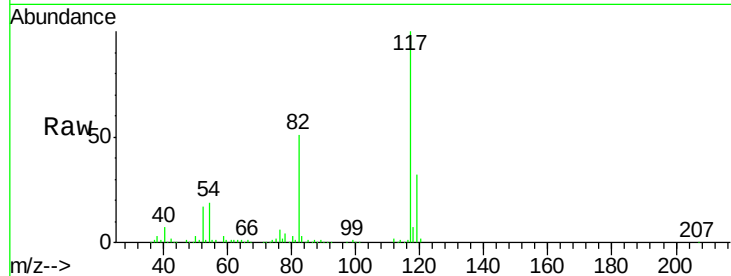
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

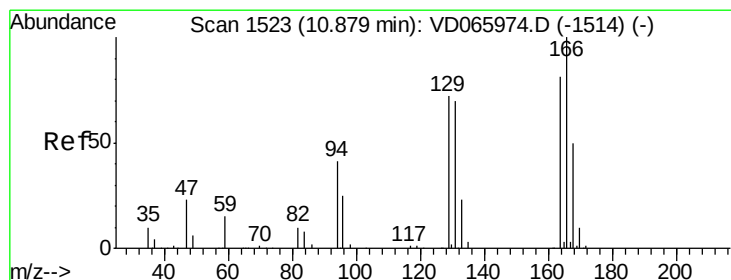
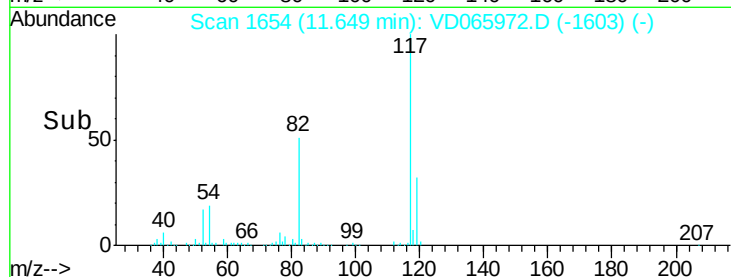
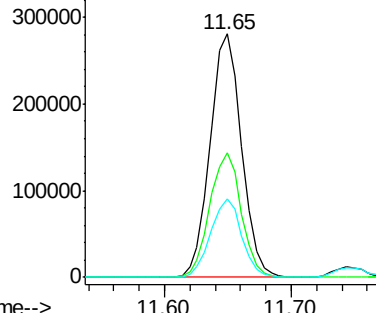
Tot Ion	Ratio	Resp	Lower	Upper
117	100	483040		
82	51.1		41.1	61.7
119	32.1		25.9	38.9

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM



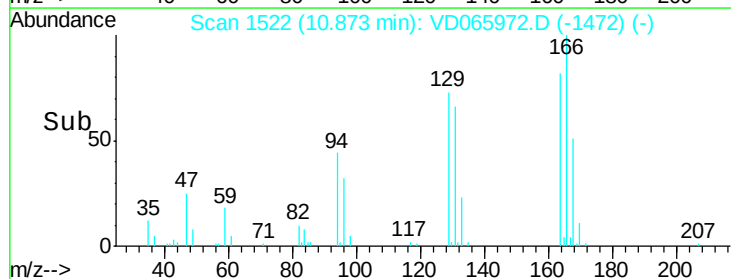
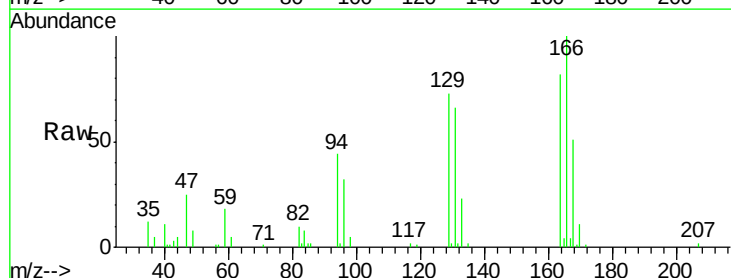
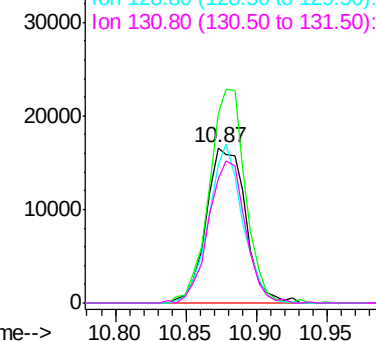
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

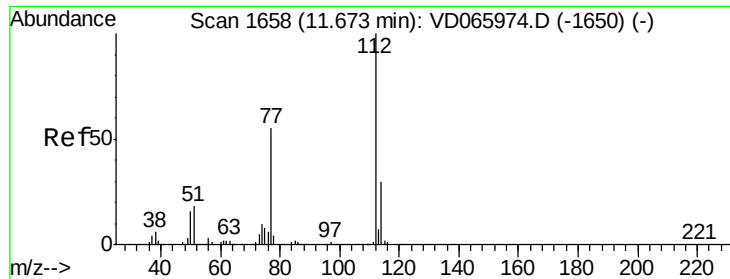


#64
Tetrachloroethene
Concen: 9.754 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32211		
166	122.2		99.1	148.7
129	88.9		71.5	107.3
131	80.4		69.8	104.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





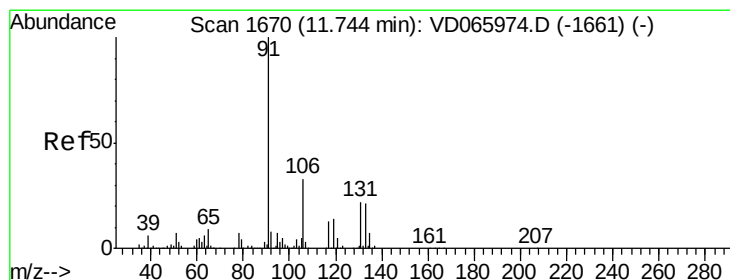
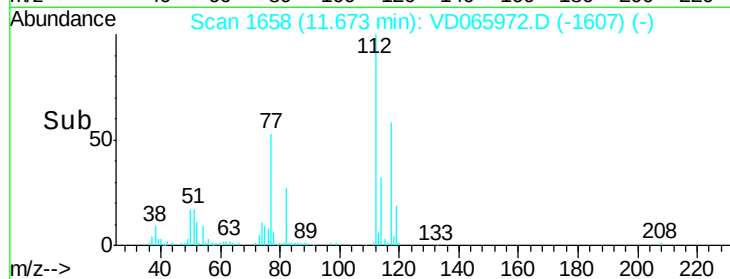
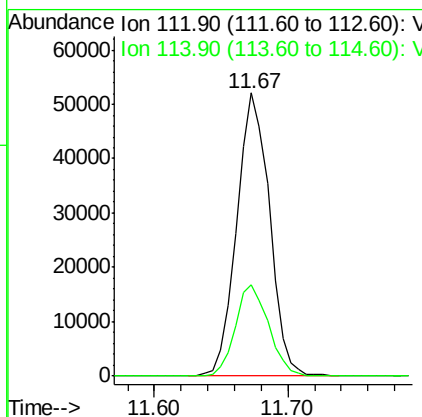
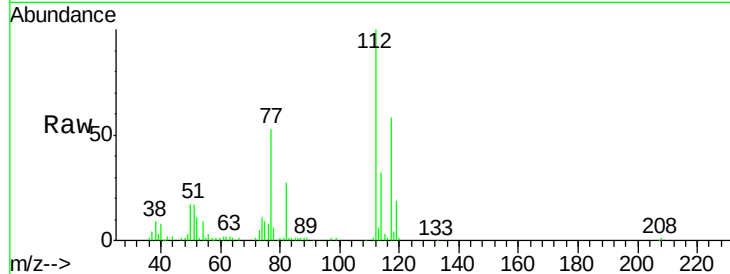
#65
Chlorobenzene
Concen: 9.920 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.4	36.6

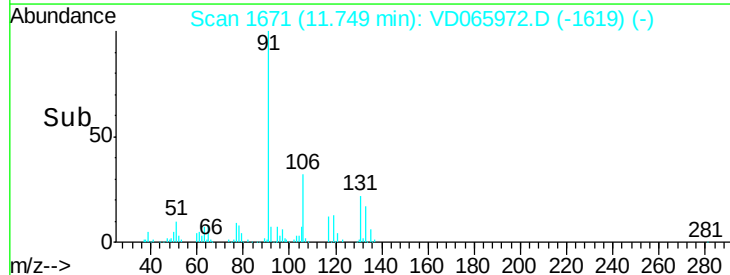
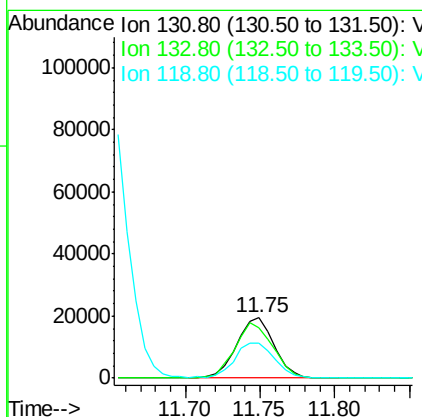
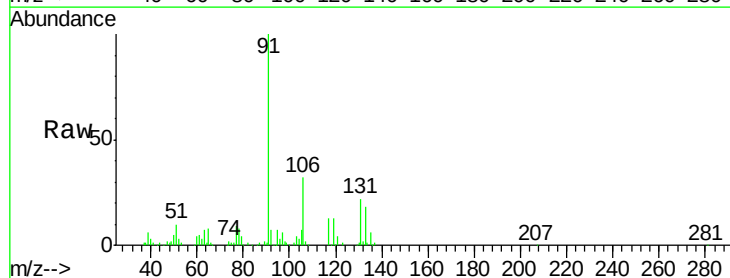
Manual Integrations
APPROVED

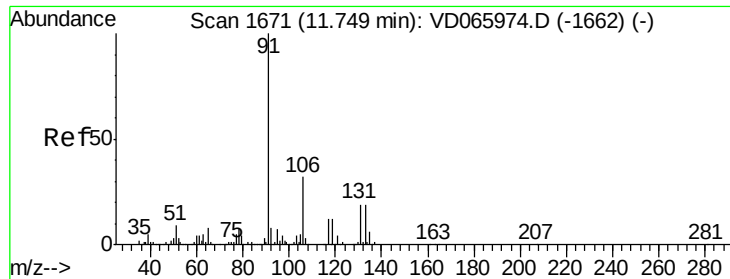
MMDadoda
7/22/2020 2:44:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.286 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.3	142.0
119	62.8	31.7	95.1





#67

Ethyl Benzene

Concen: 9.701 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 148265

Ion Ratio Lower Upper

91 100

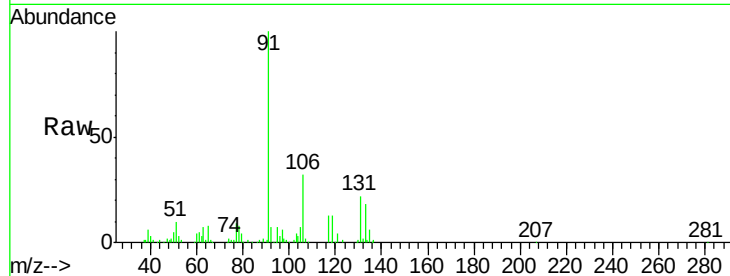
106 32.2 25.7 38.5

Manual Integrations

APPROVED

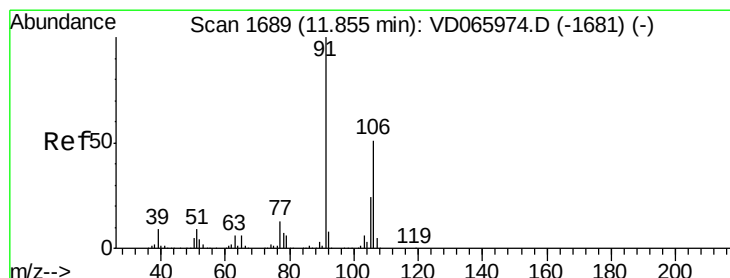
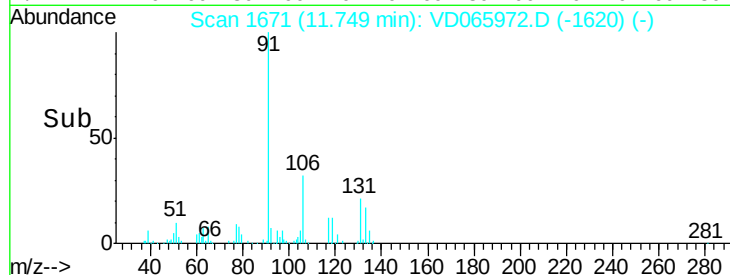
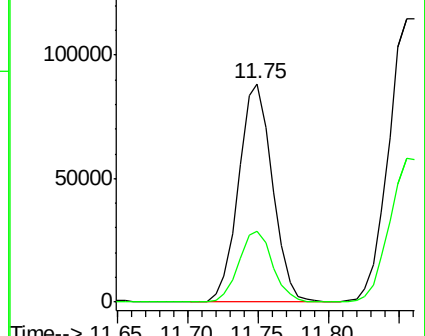
MMDadoda

7/22/2020 2:44:18 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 19.317 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065972.D

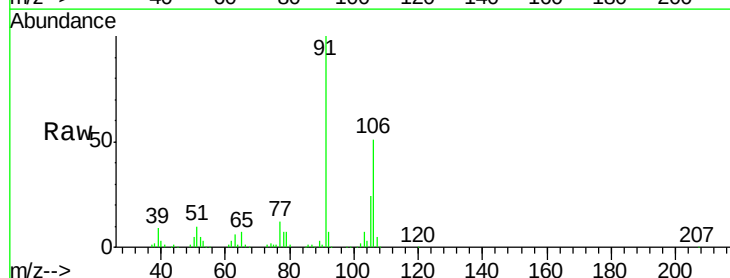
Acq: 21 Jul 2020 10:22

Tgt Ion: 106 Resp: 114168

Ion Ratio Lower Upper

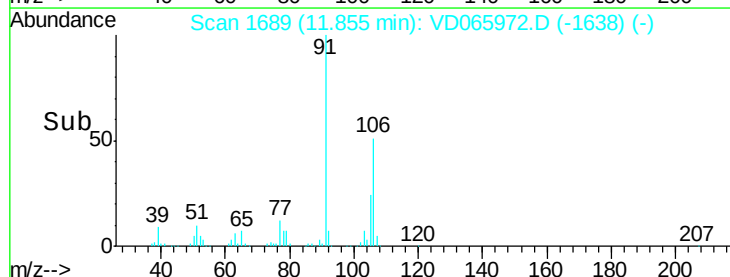
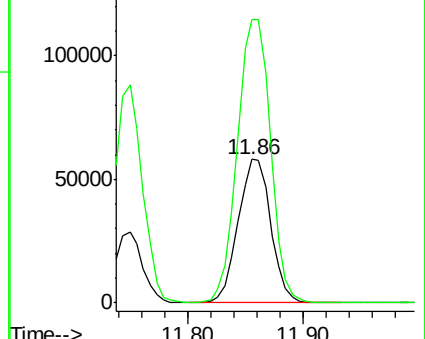
106 100

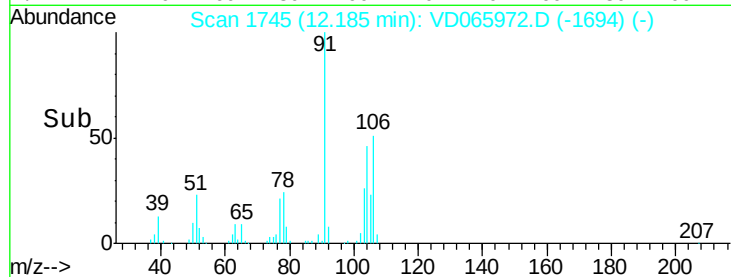
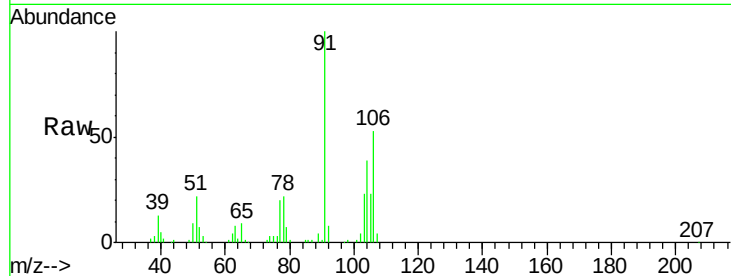
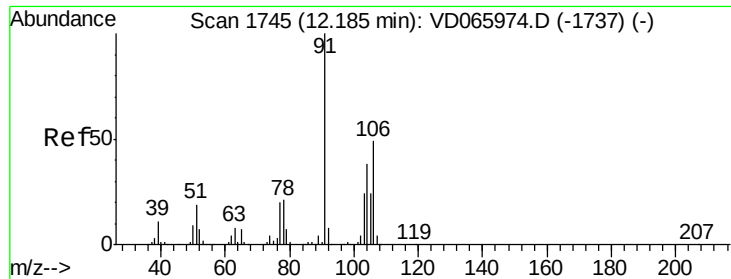
91 200.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





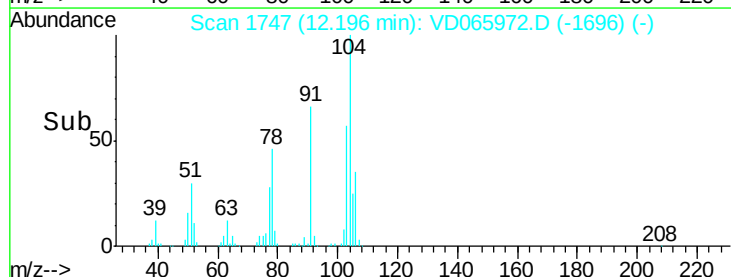
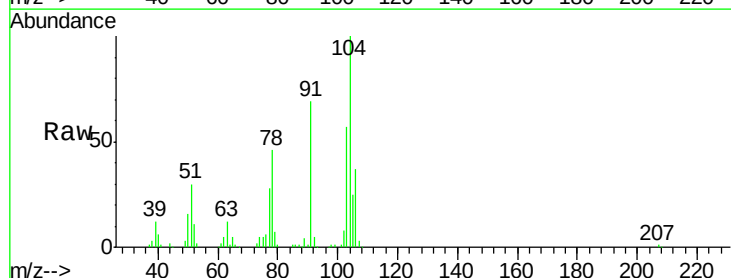
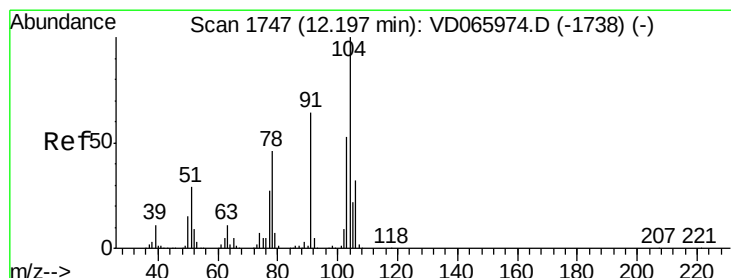
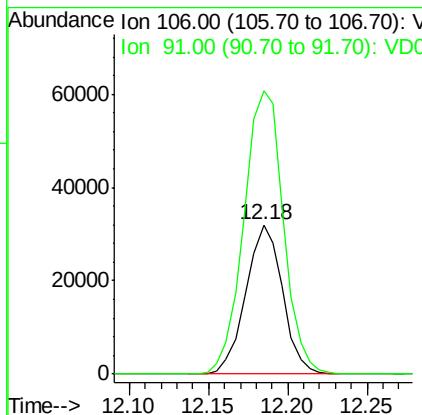
#69
o-Xylene
Concen: 9.750 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tot Ion:106 Resp: 51298
Ion Ratio Lower Upper
106 100
91 205.4 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

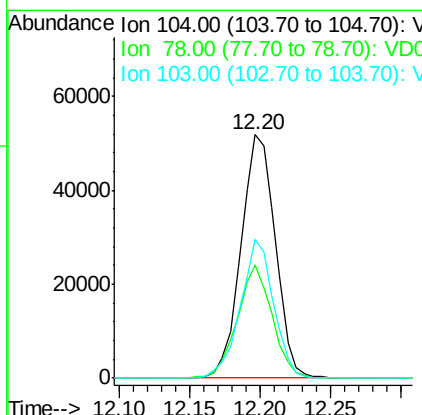
Manual Integrations
APPROVED

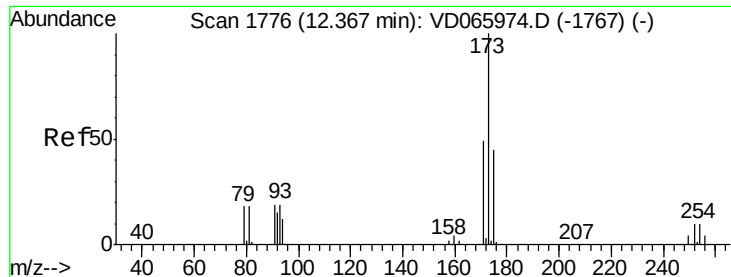
MMDadoda
7/22/2020 2:44:18 PM



#70
Styrene
Concen: 9.692 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion:104 Resp: 88269
Ion Ratio Lower Upper
104 100
78 46.9 38.3 57.5
103 55.1 43.8 65.8





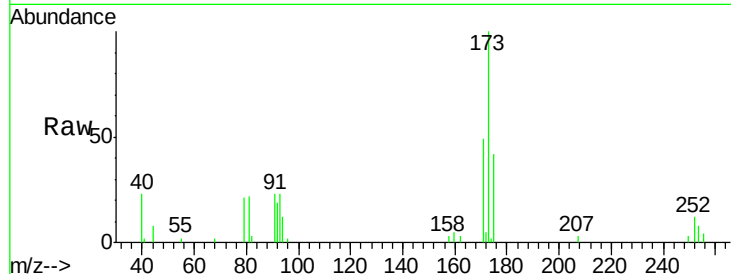
#71
Bromoform
Concen: 9.958 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

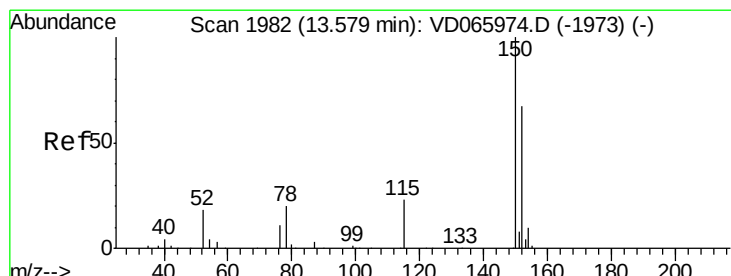
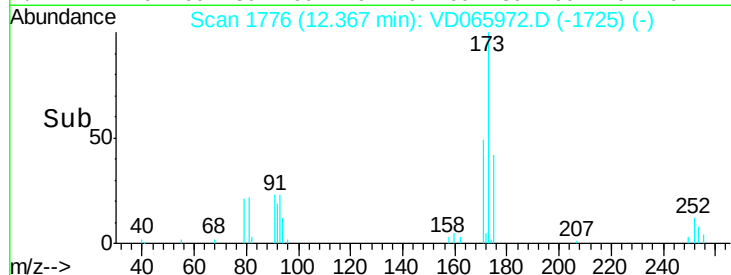
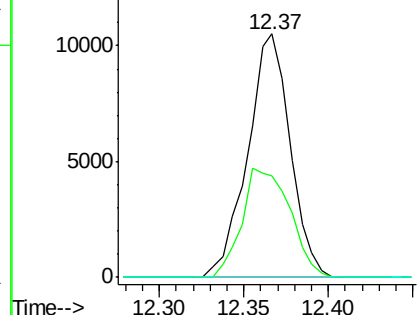
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.1	72.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM

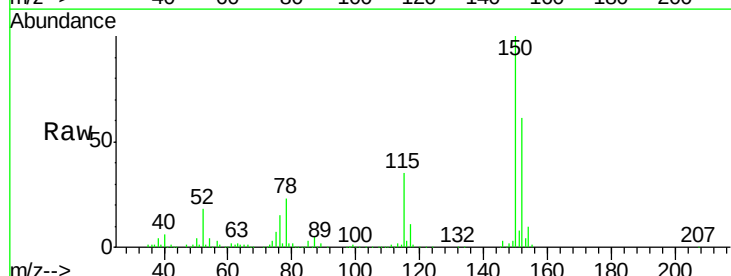


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

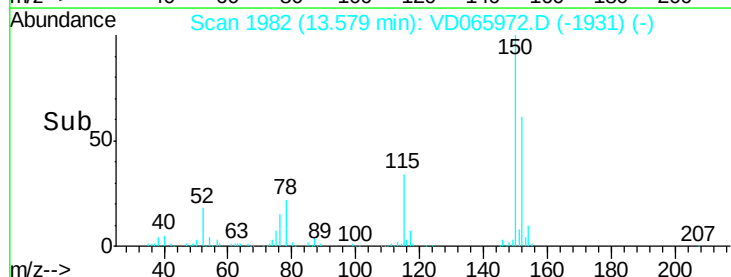
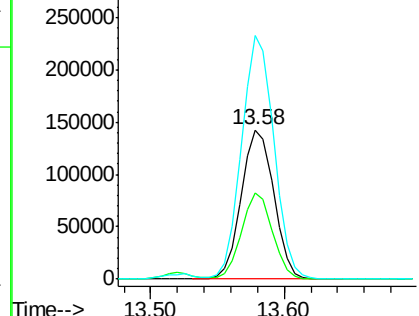


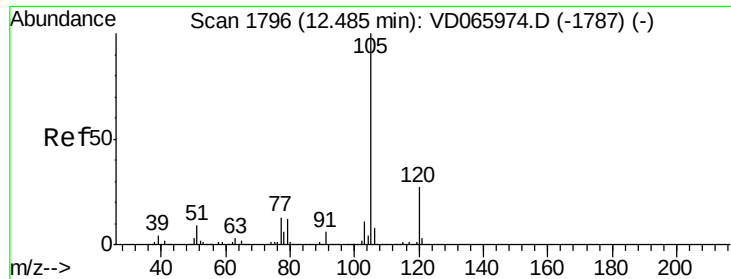
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.9	83.7
150	161.9	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





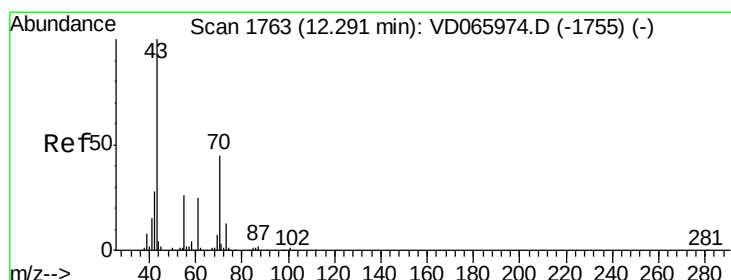
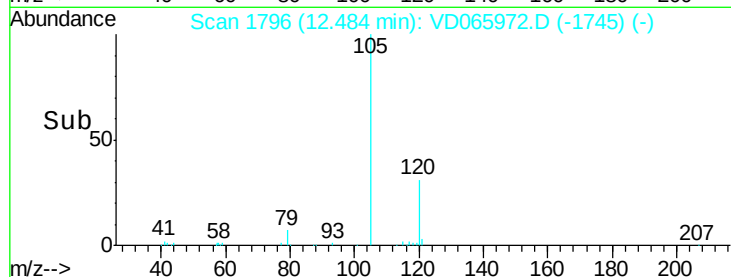
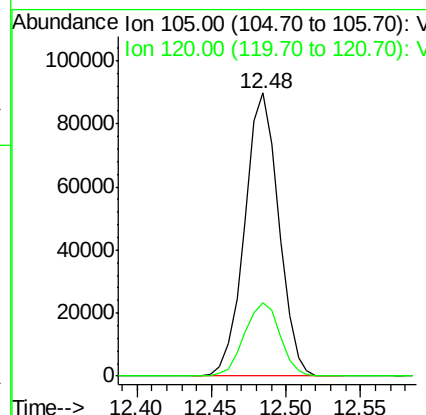
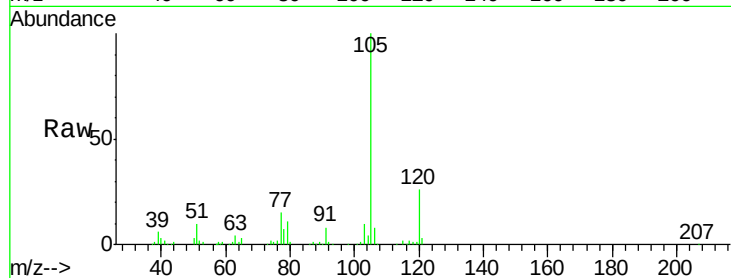
#73
Isopropylbenzene
Concen: 9.866 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.6	40.8

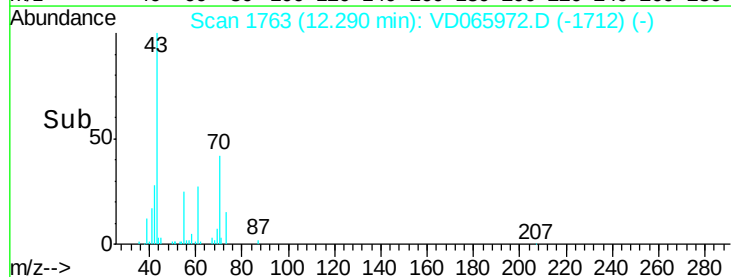
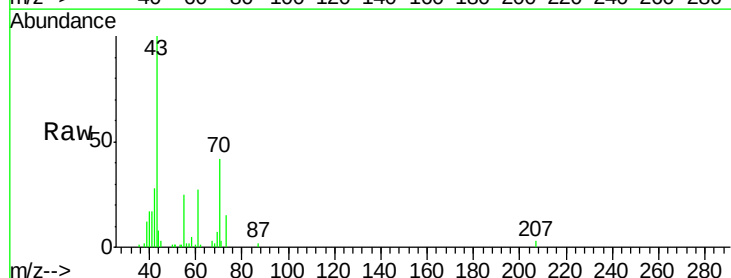
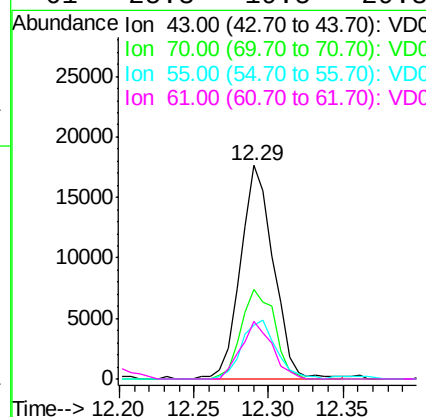
Manual Integrations
APPROVED

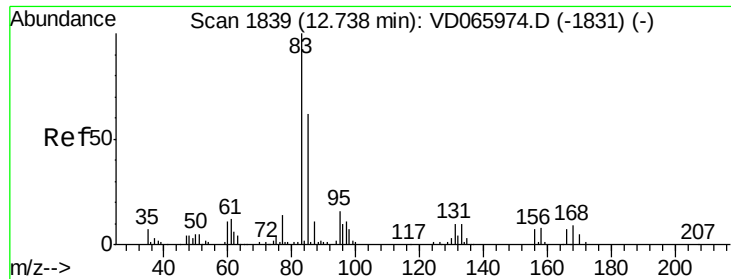
MMDadoda
7/22/2020 2:44:18 PM



#74
N-ethyl acetate
Concen: 9.405 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.6	51.8
55	28.5	20.3	30.5
61	25.3	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 9.949 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

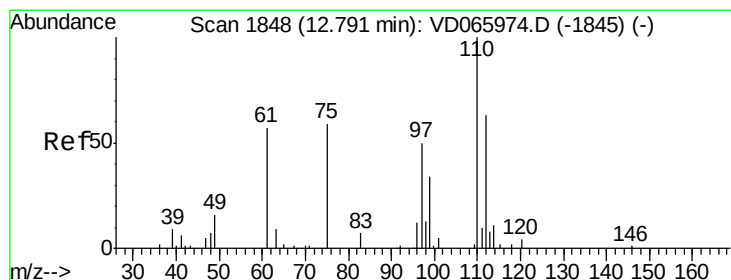
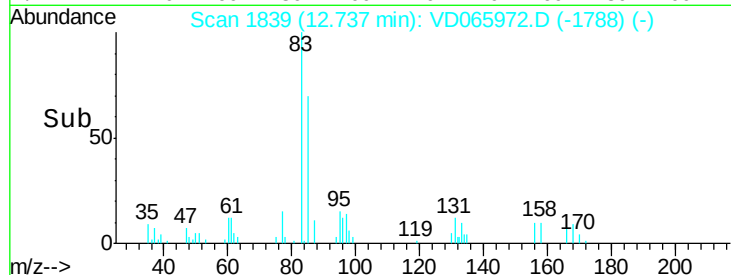
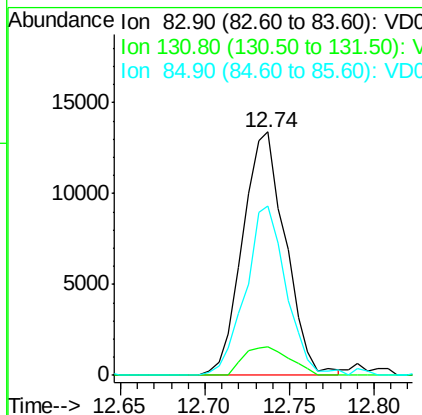
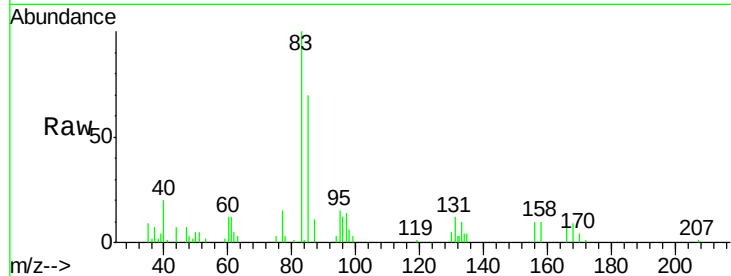
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	23650
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.7	17.1
85	66.0	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM



#76

1,2,3-Trichloropropane

Concen: 6.860 ug/l m

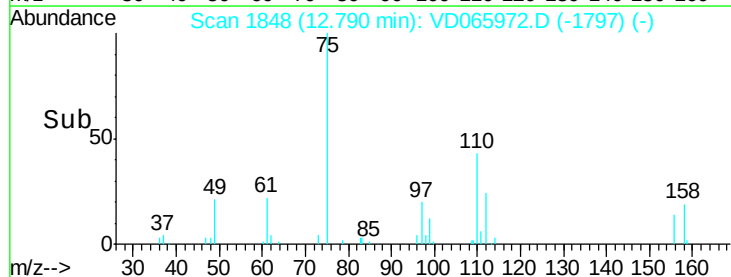
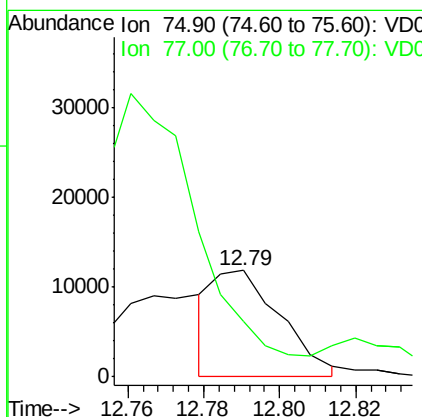
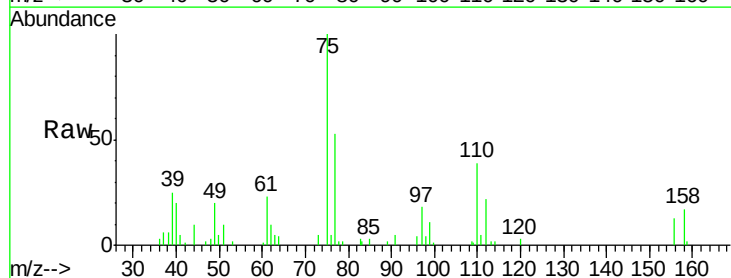
RT: 12.79 min Scan# 1848

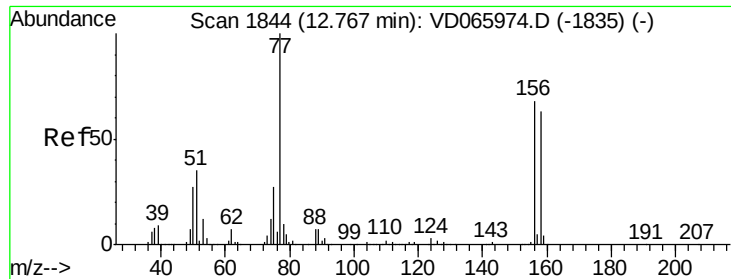
Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Tgt Ion:	75	Resp:	14631
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





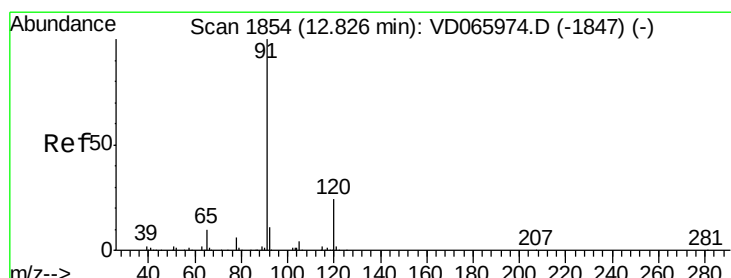
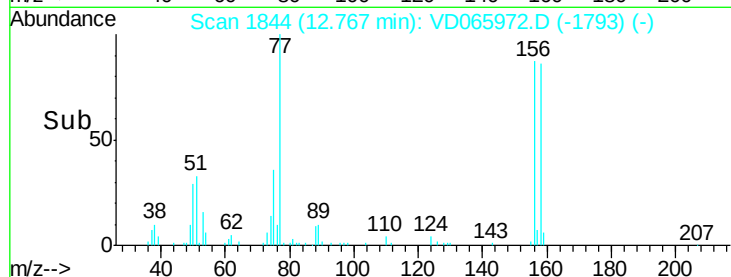
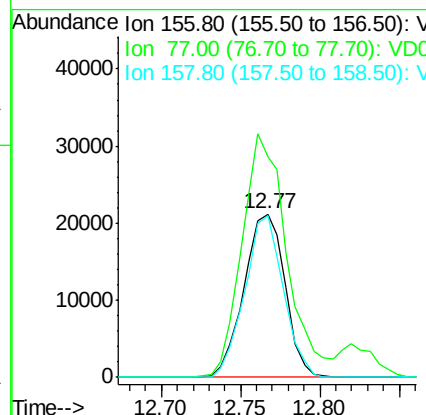
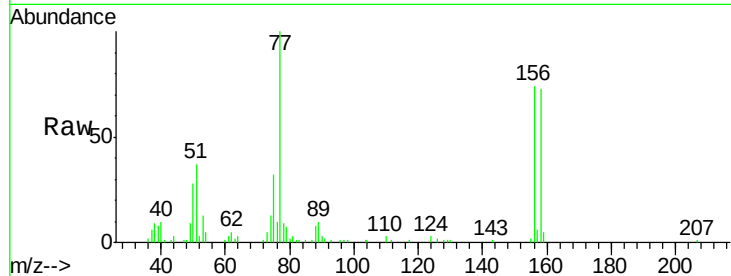
#77
Bromobenzene
Concen: 10.216 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	163.7	83.0	249.0	
158	93.3	48.2	144.6	

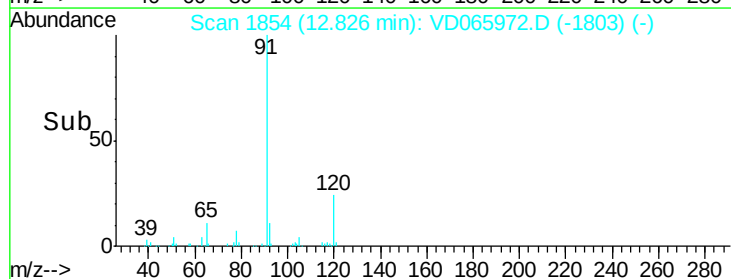
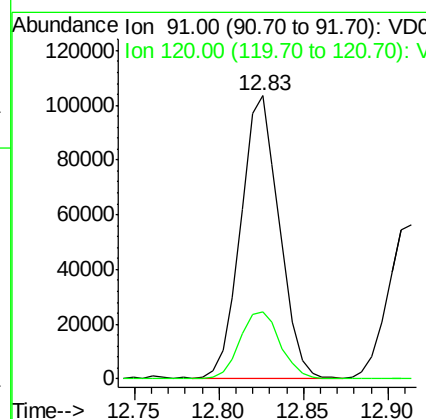
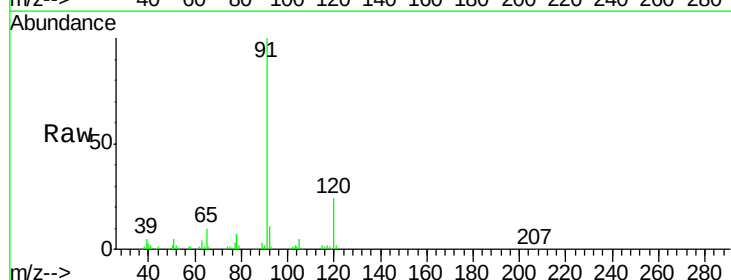
Manual Integrations
APPROVED

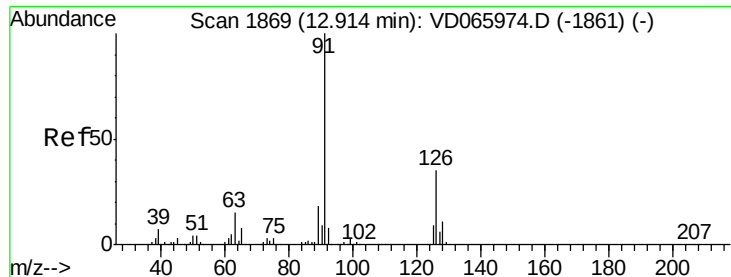
MMDadoda
7/22/2020 2:44:18 PM



#78
n-propylbenzene
Concen: 9.730 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.8	12.0	36.0	





#79

2-Chlorotoluene

Concen: 9.952 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 95668

Ion Ratio Lower Upper

91 100

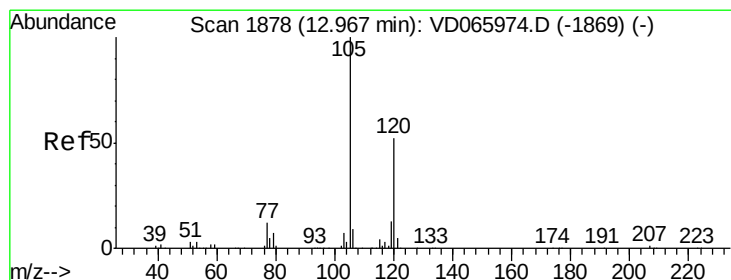
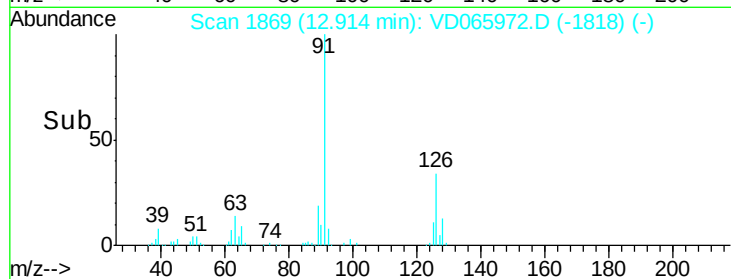
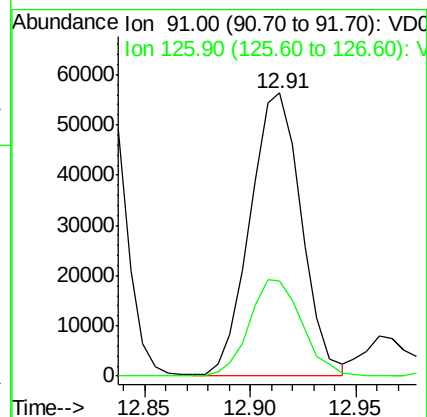
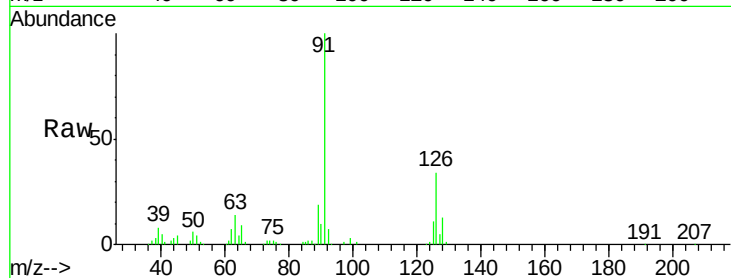
126 34.8 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:18 PM



#80

1,3,5-Trimethylbenzene

Concen: 9.712 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065972.D

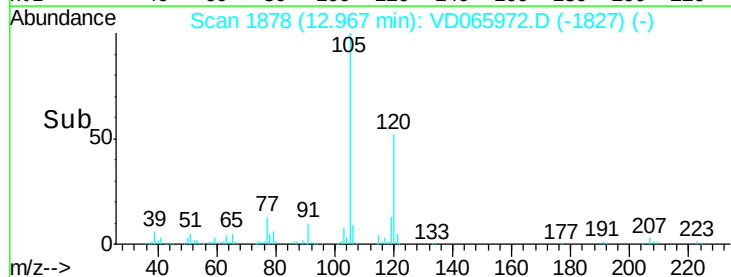
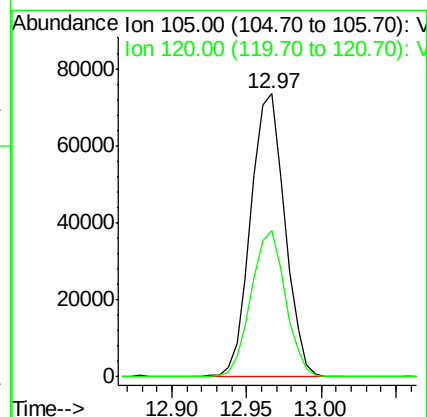
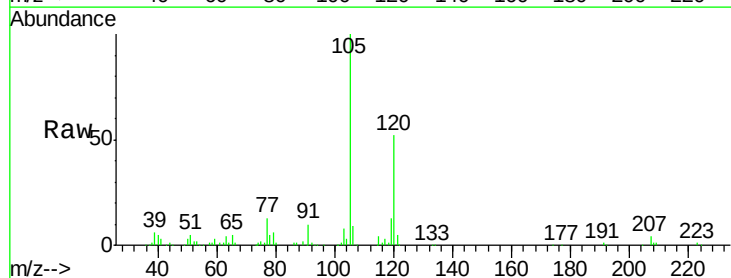
Acq: 21 Jul 2020 10:22

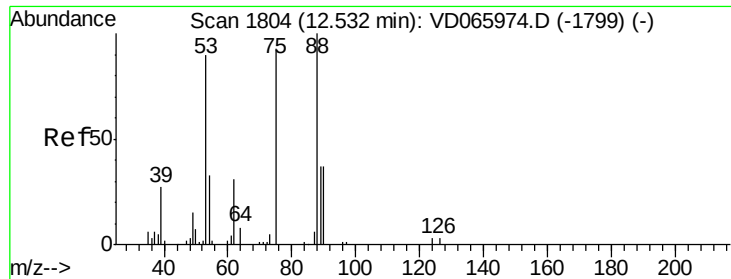
Tgt Ion: 105 Resp: 116269

Ion Ratio Lower Upper

105 100

120 52.0 25.6 76.6





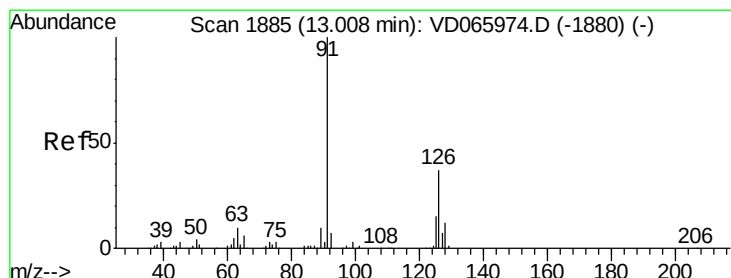
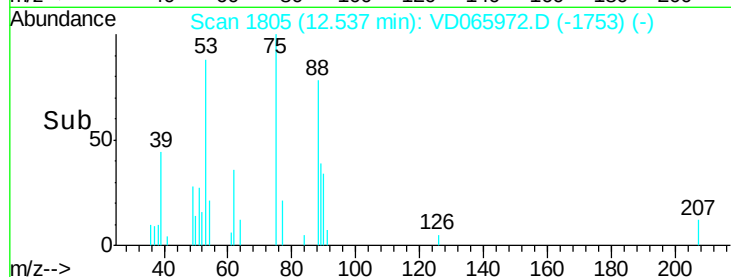
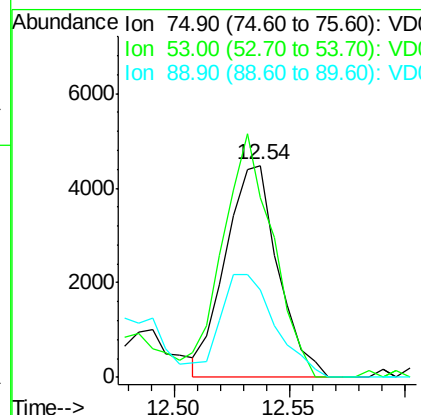
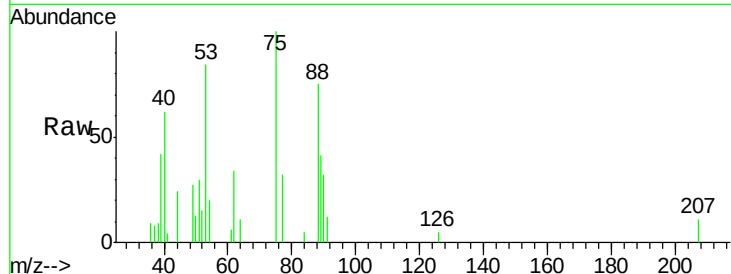
#81
trans-1,4-Dichloro-2-butene
Concen: 9.356 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	76.8	115.2
89	51.8	37.0	55.4

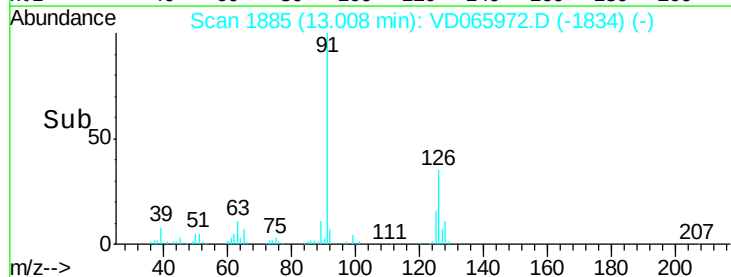
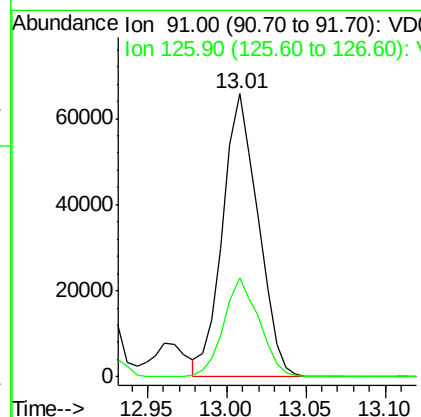
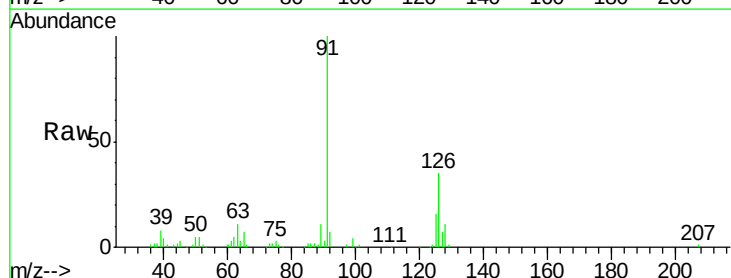
Manual Integrations
APPROVED

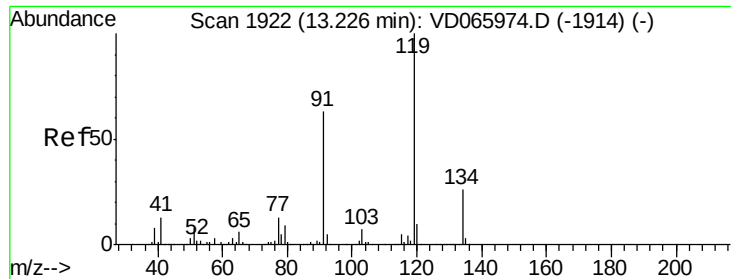
MMDadoda
7/22/2020 2:44:18 PM



#82
4-Chlorotoluene
Concen: 9.989 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.5





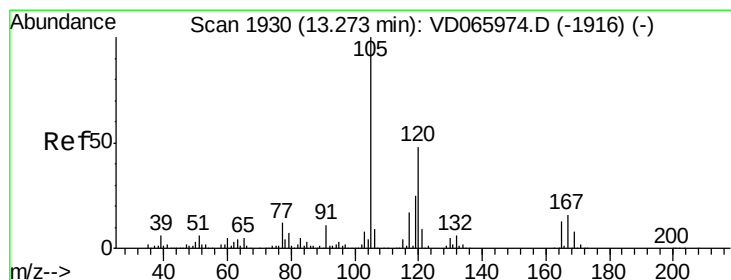
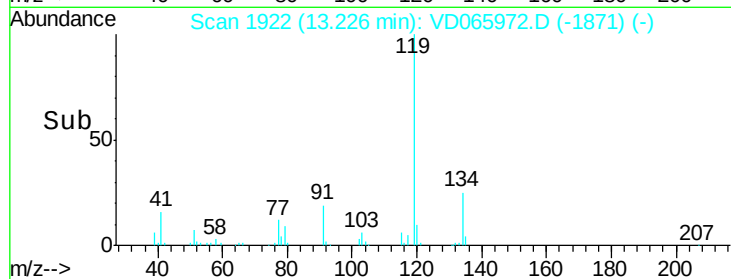
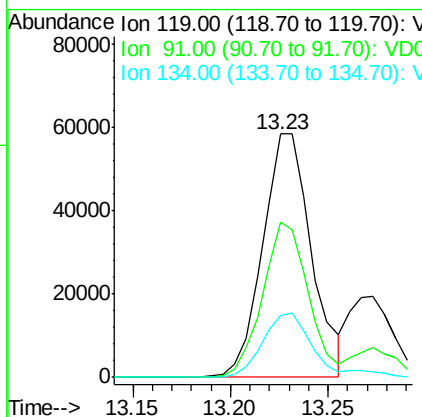
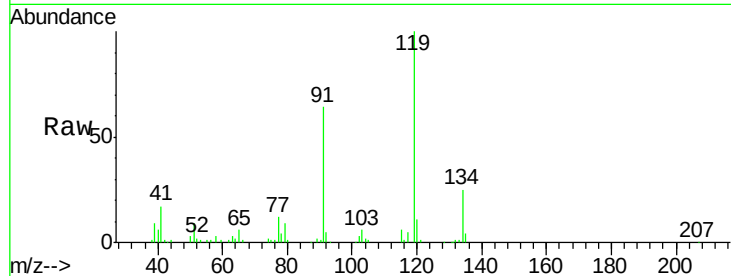
#83
 tert-Butylbenzene
 Concen: 9.709 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		100946		
91	59.6	30.6	91.6		
134	26.0	13.9	41.7		

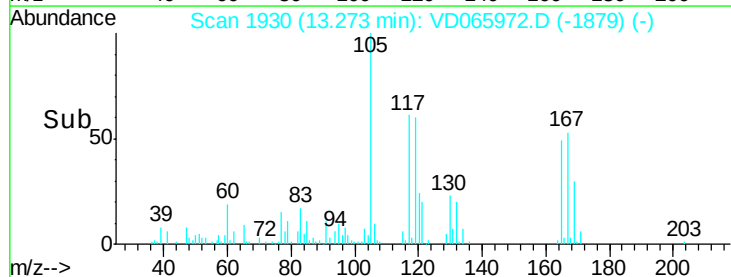
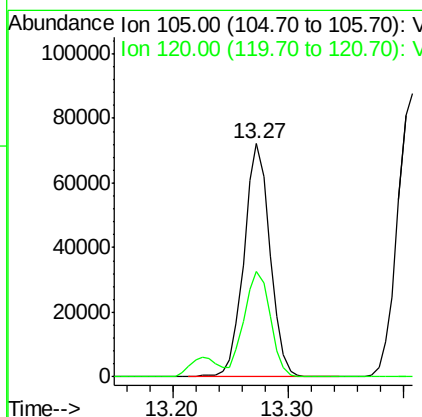
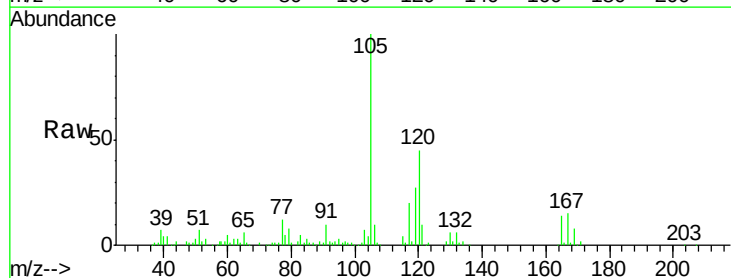
Manual Integrations
 APPROVED

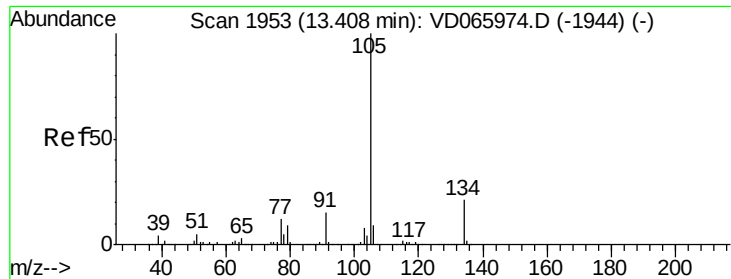
MMDadoda
 7/22/2020 2:44:18 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 9.615 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		112904		
120	45.5	23.9	71.8		





#85

sec-Butylbenzene

Concen: 9.658 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 138832

Ion Ratio Lower Upper

105 100

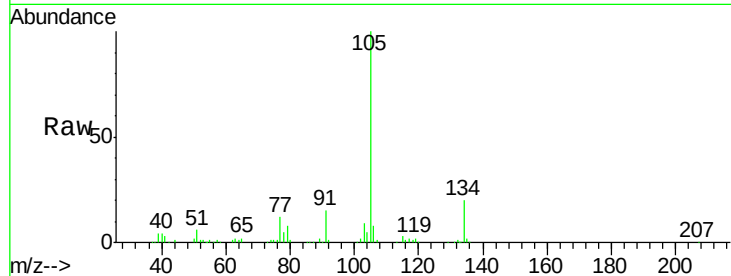
134 20.8 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:18 PM

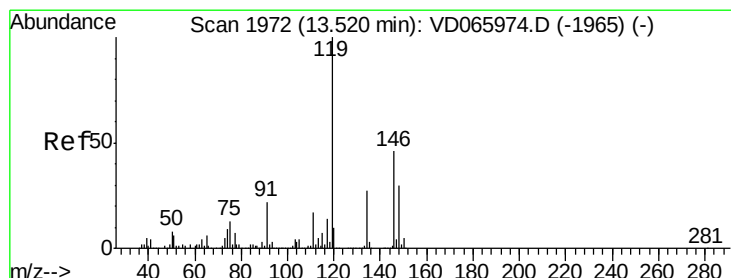
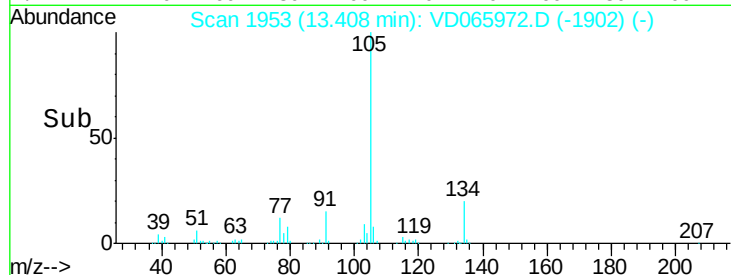


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

Time-->



#86

p-Isopropyltoluene

Concen: 9.706 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065972.D

Acq: 21 Jul 2020 10:22

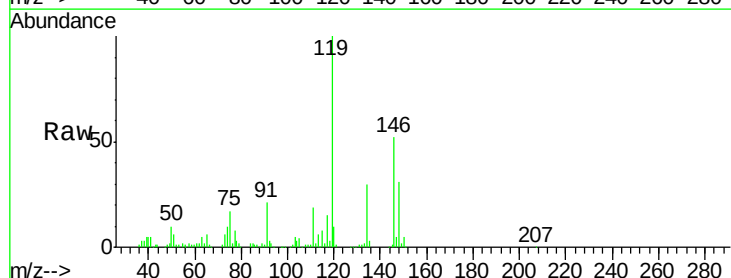
Tgt Ion:119 Resp: 125636

Ion Ratio Lower Upper

119 100

134 28.0 13.4 40.2

91 22.9 11.1 33.3



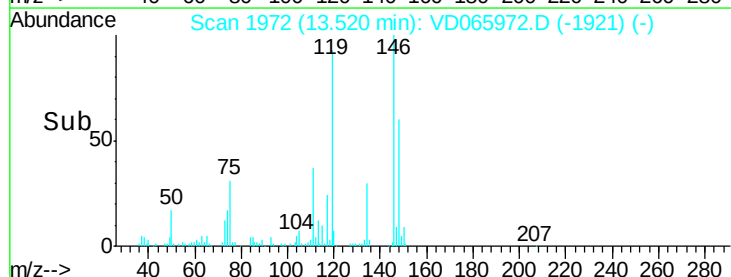
Abundance Ion 119.00 (118.70 to 119.70): V

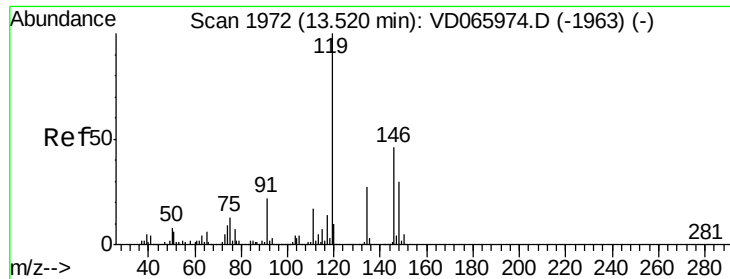
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

Time-->





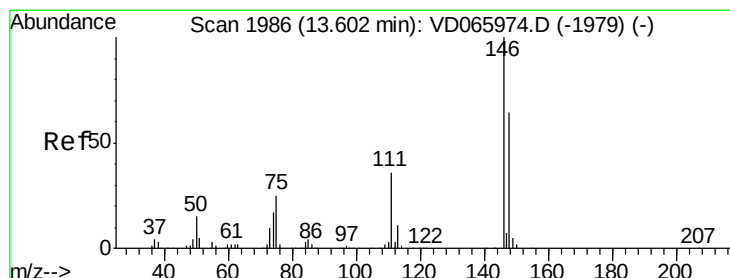
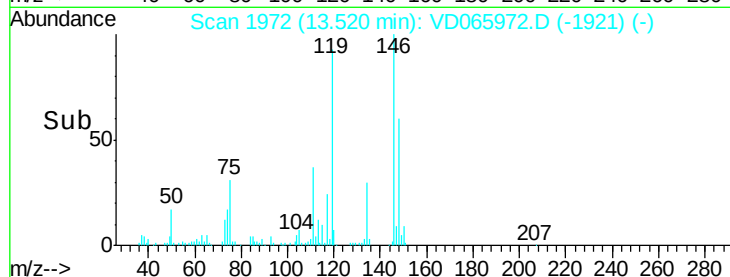
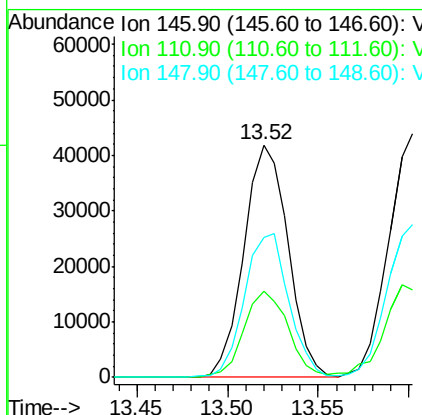
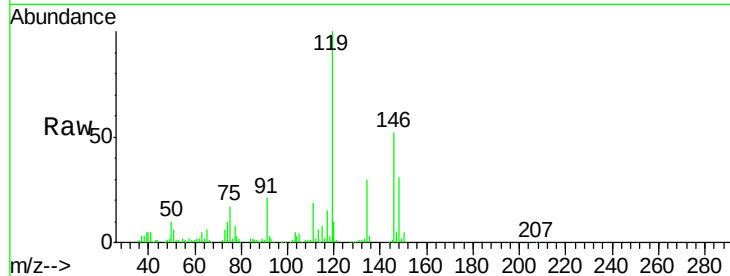
#87
 1,3-Dichlorobenzene
 Concen: 10.102 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	62.4	32.4	97.0

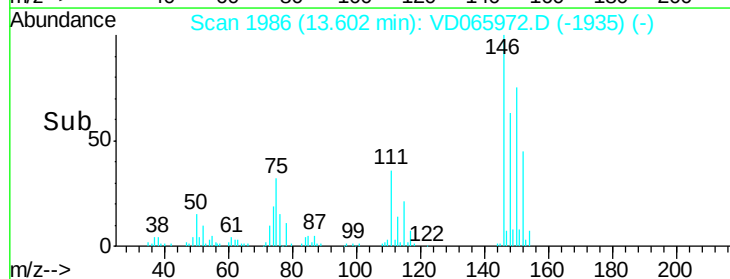
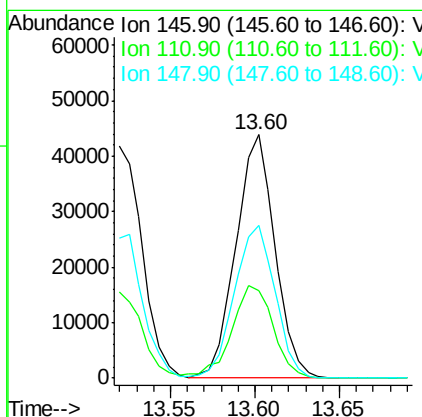
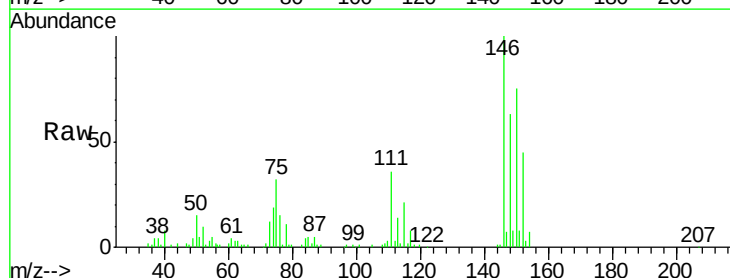
Manual Integrations
 APPROVED

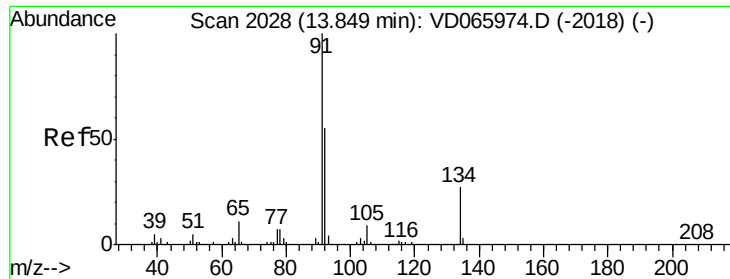
MMDadoda
 7/22/2020 2:44:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 10.033 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.8	56.4
148	65.2	32.2	96.6





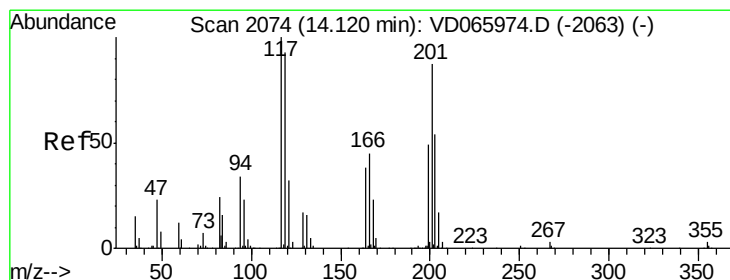
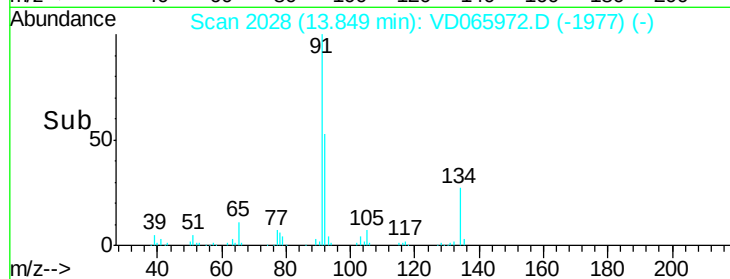
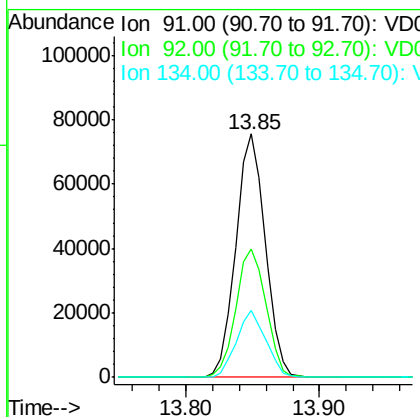
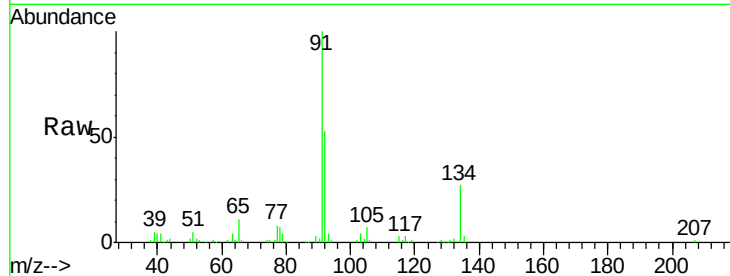
#89
n-Butylbenzene
Concen: 9.661 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	27.3	13.8	41.4

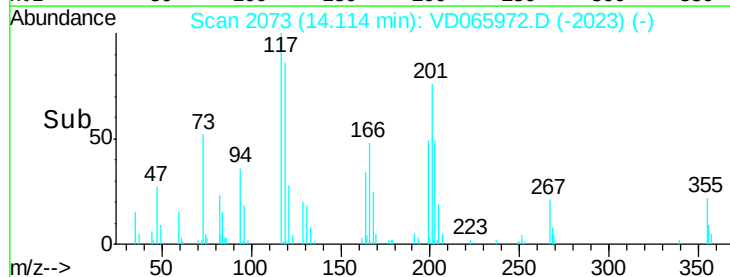
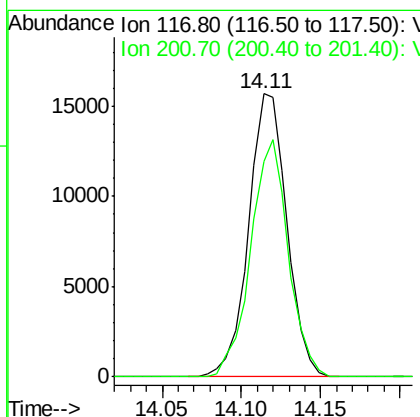
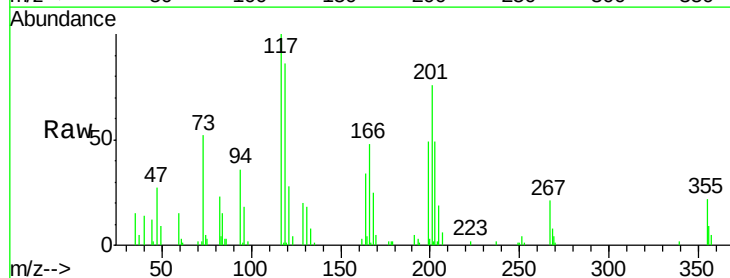
Manual Integrations
APPROVED

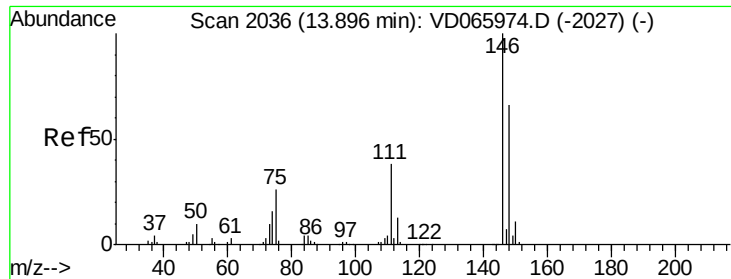
MMDadoda
7/22/2020 2:44:18 PM



#90
Hexachloroethane
Concen: 9.883 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	42.0	126.1





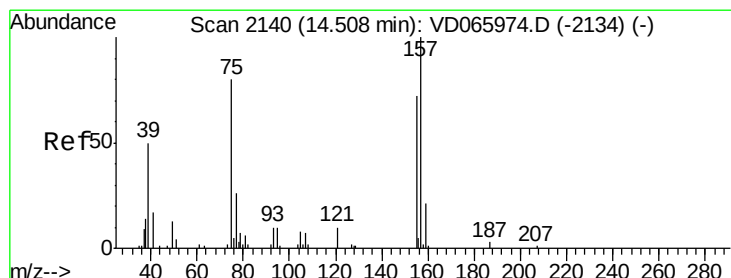
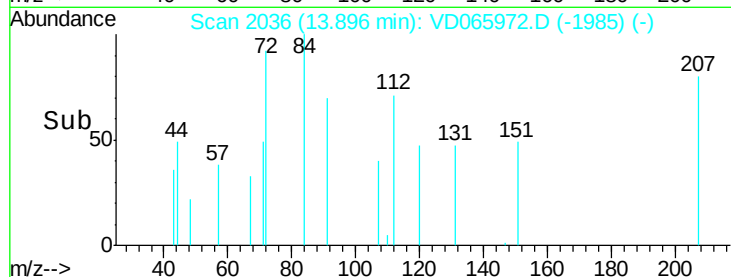
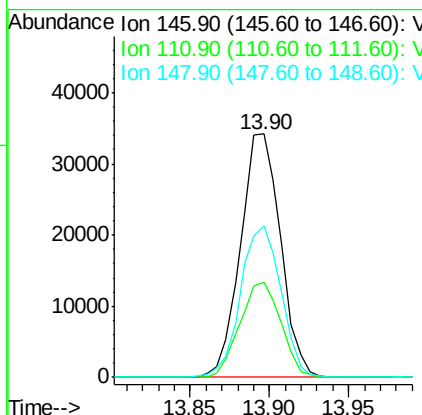
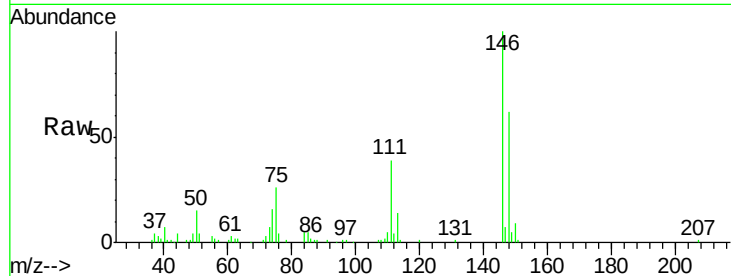
#91
 1,2-Dichlorobenzene
 Concen: 10.014 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	62.7	32.7	98.1

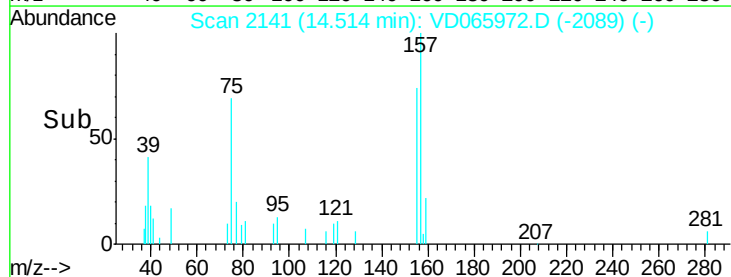
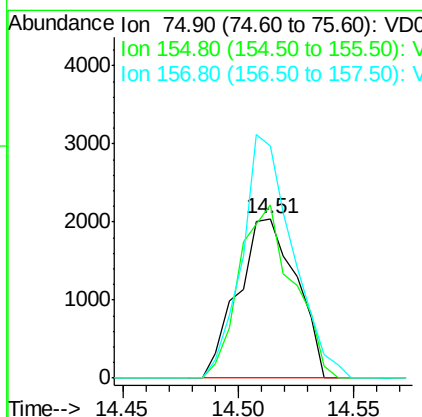
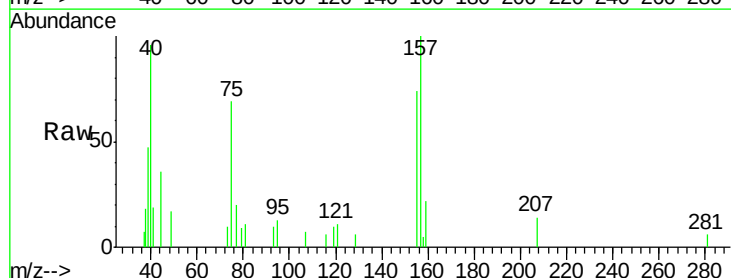
Manual Integrations
 APPROVED

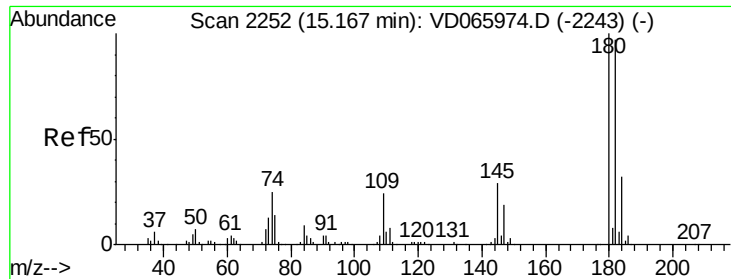
MMDadoda
 7/22/2020 2:44:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.449 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	48.5	145.5
157	133.6	64.7	194.1





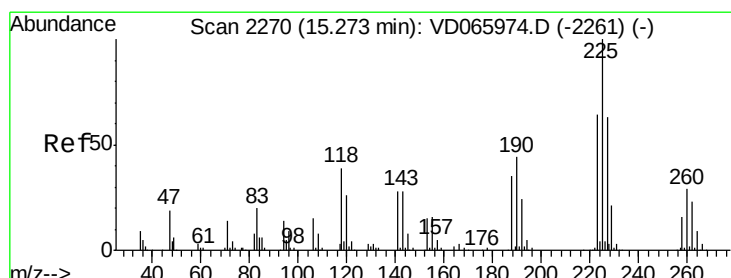
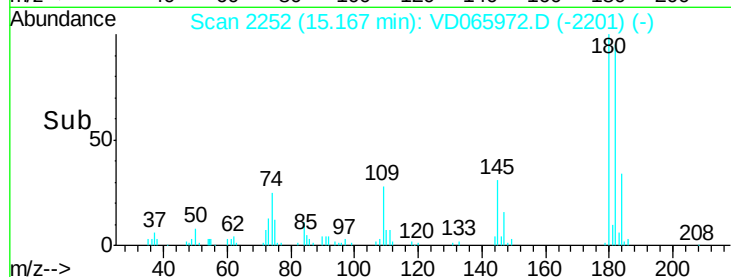
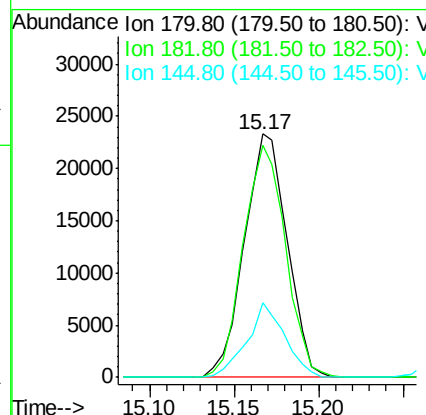
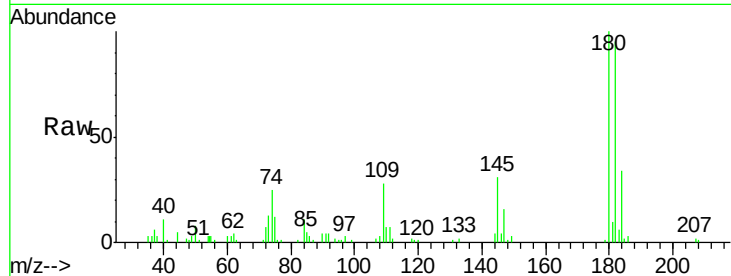
#93
 1,2,4-Trichlorobenzene
 Concen: 9.844 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	27.2	14.7	44.1

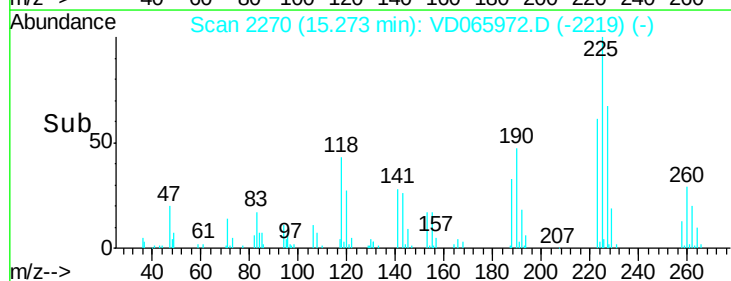
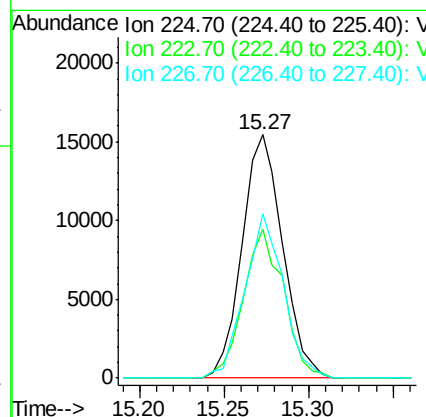
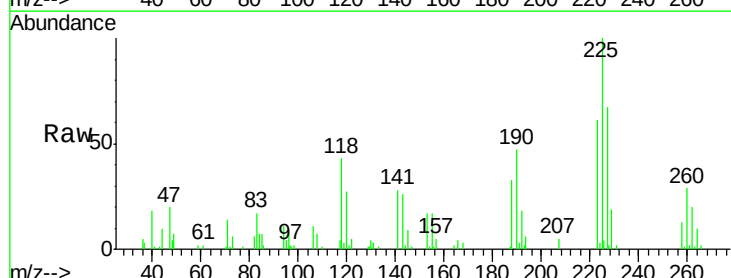
Manual Integrations
 APPROVED

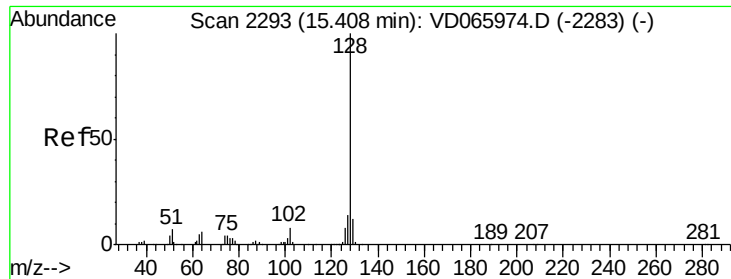
MMDadoda
 7/22/2020 2:44:18 PM



#94
 Hexachlorobutadiene
 Concen: 9.902 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065972.D
 Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.2	93.6
227	63.8	31.6	94.8





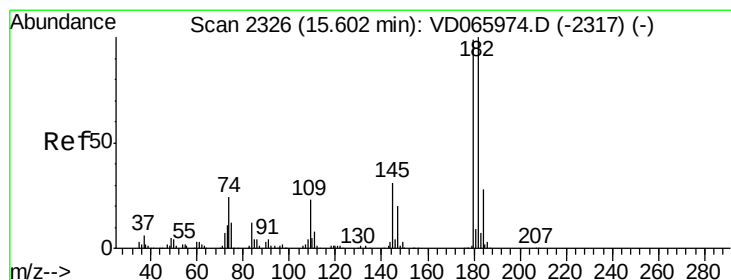
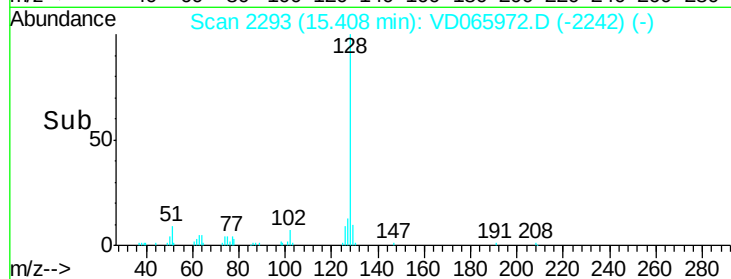
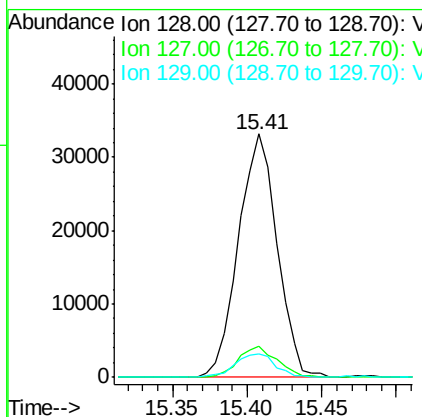
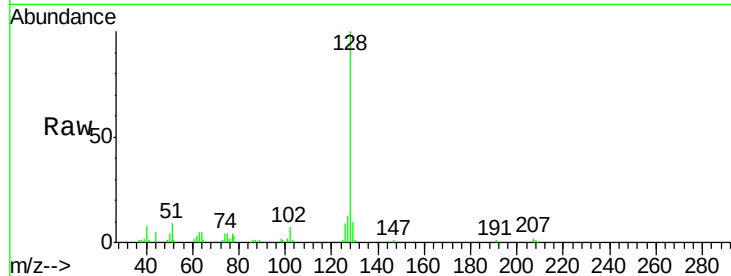
#95
Naphthalene
Concen: 9.368 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.596 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065972.D
Acq: 21 Jul 2020 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	33.8	15.4	46.2

