

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066827.D
 Acq On : 23 Sep 2020 11:49
 Operator : VA/SY
 Sample : VD0923SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:36:49 PM

Quant Time: Sep 23 15:55:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	633008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	581175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188599	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.91	113	192213	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	10.34	98	696941	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.63	95	235165	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	78444	24.759	ug/l	96
3) Chloromethane	2.21	50	80451	21.557	ug/l	99
4) Vinyl Chloride	2.35	62	78760	21.362	ug/l	95
5) Bromomethane	2.76	94	52579	20.289	ug/l	92
6) Chloroethane	2.92	64	46774	20.429	ug/l #	80
7) Trichlorofluoromethane	3.27	101	158719	20.961	ug/l	99
8) Diethyl Ether	3.70	74	38203	19.873	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	91076	20.743	ug/l	98
10) Methyl Iodide	4.30	142	90768	23.427	ug/l	98
11) Tert butyl alcohol	5.22	59	22381	56.107	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	81150	20.402	ug/l	97
13) Acrolein	3.92	56	27487	93.723	ug/l	96
14) Allyl chloride	4.71	41	113510	19.435	ug/l	99
15) Acrylonitrile	5.43	53	76451	89.741	ug/l	98
16) Acetone	4.16	43	65729	77.937	ug/l	89
17) Carbon Disulfide	4.41	76	255490	21.010	ug/l	98
18) Methyl Acetate	4.71	43	36755	17.148	ug/l #	76
19) Methyl tert-butyl Ether	5.49	73	165415	19.150	ug/l	97
20) Methylene Chloride	4.97	84	103750	19.209	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	93785	20.364	ug/l	96
22) Diisopropyl ether	6.36	45	247034	20.571	ug/l	99
23) Vinyl Acetate	6.31	43	561147	87.819	ug/l	98
24) 1,1-Dichloroethane	6.26	63	160524	19.981	ug/l	99
25) 2-Butanone	7.21	43	93832	92.583	ug/l	99
26) 2,2-Dichloropropane	7.21	77	147237	19.996	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105114	21.006	ug/l	97
28) Bromochloromethane	7.54	49	65415	19.710	ug/l	94
29) Tetrahydrofuran	7.56	42	59093	90.997	ug/l	98
30) Chloroform	7.71	83	174962	20.204	ug/l	97
31) Cyclohexane	7.98	56	141853	19.624	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	161895	20.666	ug/l	99
36) 1,1-Dichloropropene	8.10	75	134920	21.484	ug/l	99
37) Ethyl Acetate	7.29	43	42806	18.855	ug/l	96
38) Carbon Tetrachloride	8.10	117	142474	20.751	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066827.D
 Acq On : 23 Sep 2020 11:49
 Operator : VA/SY
 Sample : VD0923SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:36:49 PM

Quant Time: Sep 23 15:55:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	152435	21.141	ug/l	96
40) Benzene	8.34	78	368136	21.034	ug/l	97
41) Methacrylonitrile	7.53	41	26959m	19.310	ug/l	
42) 1,2-Dichloroethane	8.42	62	102576	19.825	ug/l	97
43) Isopropyl Acetate	8.45	43	84057	19.204	ug/l	100
44) Trichloroethene	9.11	130	105515	21.151	ug/l	93
45) 1,2-Dichloropropane	9.38	63	91991	20.890	ug/l	100
46) Dibromomethane	9.47	93	47603	19.896	ug/l	97
47) Bromodichloromethane	9.66	83	133258	20.734	ug/l	98
48) Methyl methacrylate	9.45	41	43699	20.250	ug/l	94
49) 1,4-Dioxane	9.46	88	11518	357.874	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	213534	96.281	ug/l	98
52) Toluene	10.40	92	235929	20.927	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	107831	19.712	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	131018	19.642	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	64466	19.600	ug/l	98
56) Ethyl methacrylate	10.66	69	65883	18.698	ug/l	97
57) 1,3-Dichloropropane	10.94	76	110718	20.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	193657	116.076	ug/l	99
59) 2-Hexanone	10.98	43	145059	96.988	ug/l	98
60) Dibromochloromethane	11.14	129	86907	20.245	ug/l	99
61) 1,2-Dibromoethane	11.24	107	62443	20.411	ug/l	99
64) Tetrachloroethene	10.87	164	92700	22.175	ug/l	98
65) Chlorobenzene	11.67	112	251734	20.809	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	93807	20.488	ug/l	100
67) Ethyl Benzene	11.74	91	443717	20.884	ug/l	96
68) m/p-Xylenes	11.85	106	342726	42.604	ug/l	99
69) o-Xylene	12.18	106	150129	20.639	ug/l	97
70) Styrene	12.19	104	264426	20.933	ug/l	100
71) Bromoform	12.36	173	45876	19.789	ug/l #	98
73) Isopropylbenzene	12.48	105	418972	21.287	ug/l	99
74) N-amyl acetate	12.28	43	74172	19.298	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	69260	20.393	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	51761m	22.925	ug/l	
77) Bromobenzene	12.76	156	97422	21.164	ug/l	97
78) n-propylbenzene	12.82	91	516141	21.798	ug/l	100
79) 2-Chlorotoluene	12.91	91	283281	20.994	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	361038	21.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15775	17.480	ug/l	97
82) 4-Chlorotoluene	13.00	91	309518	21.761	ug/l	97
83) tert-Butylbenzene	13.23	119	299034	21.791	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	360861	21.791	ug/l	98
85) sec-Butylbenzene	13.40	105	418454	21.205	ug/l	100
86) p-Isopropyltoluene	13.52	119	386721	21.741	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	193000	21.222	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	188675	20.889	ug/l	98
89) n-Butylbenzene	13.84	91	351792	20.807	ug/l	99
90) Hexachloroethane	14.11	117	70687	19.574	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	164632	21.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10844	19.849	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092320\
Data File : VD066827.D
Acq On : 23 Sep 2020 11:49
Operator : VA/SY
Sample : VD0923SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

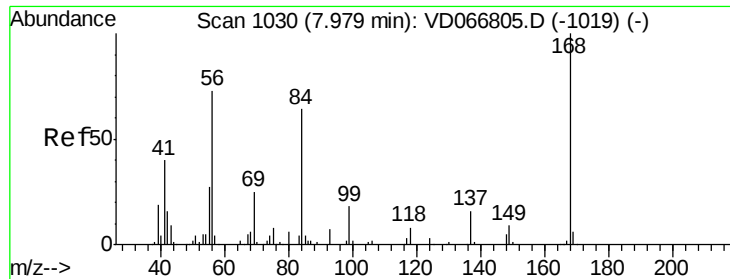
Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM

Quant Time: Sep 23 15:55:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101126	20.647	ug/l	98
94) Hexachlorobutadiene	15.27	225	61777	21.048	ug/l	98
95) Naphthalene	15.40	128	158248	19.031	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	85383	20.197	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:168 Resp: 406187

Ion Ratio Lower Upper

168 100

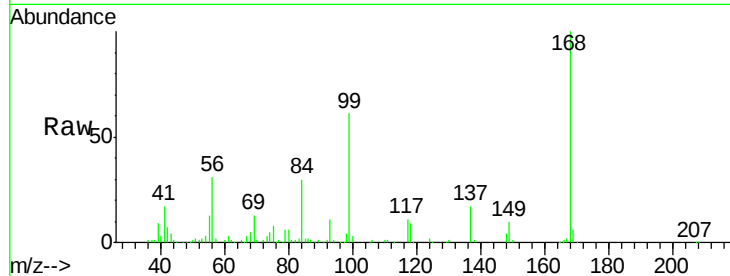
99 60.6 46.6 69.8

Manual Integrations

APPROVED

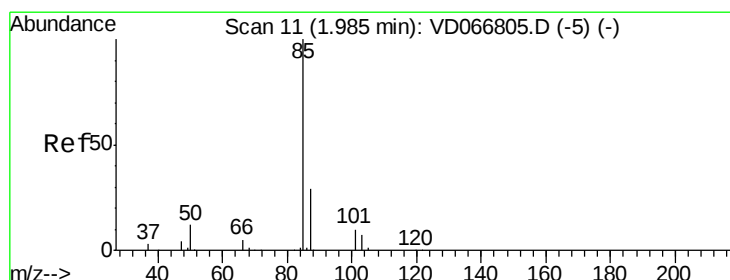
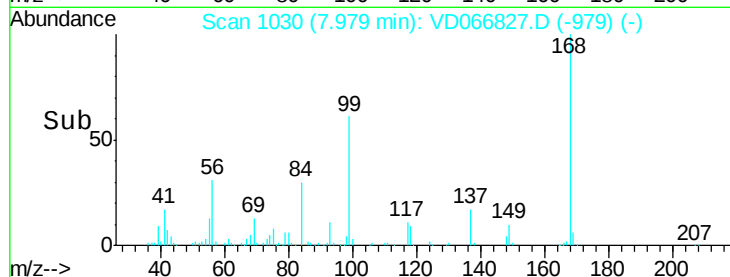
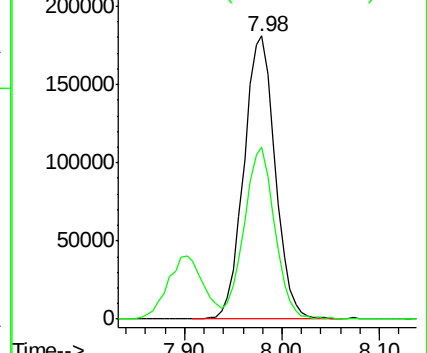
MMDadoda

9/24/2020 1:36:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.759 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066827.D

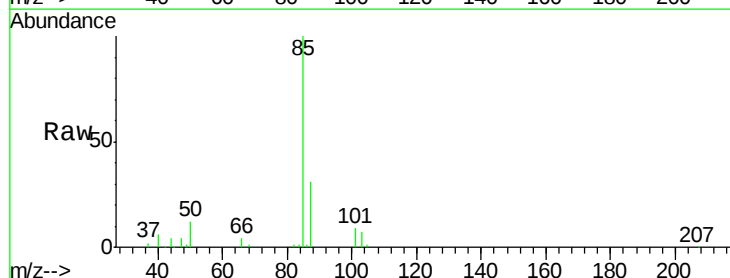
Acq: 23 Sep 2020 11:49

Tgt Ion: 85 Resp: 78444

Ion Ratio Lower Upper

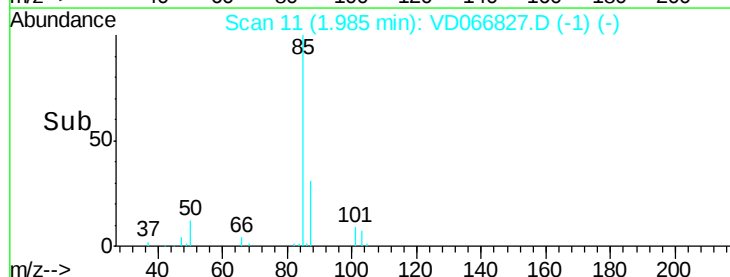
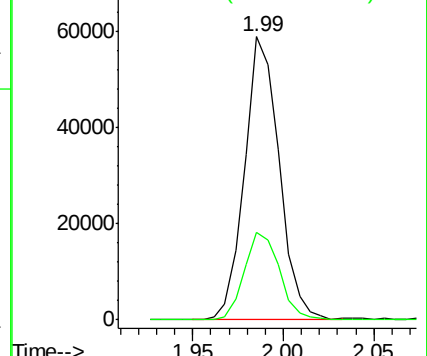
85 100

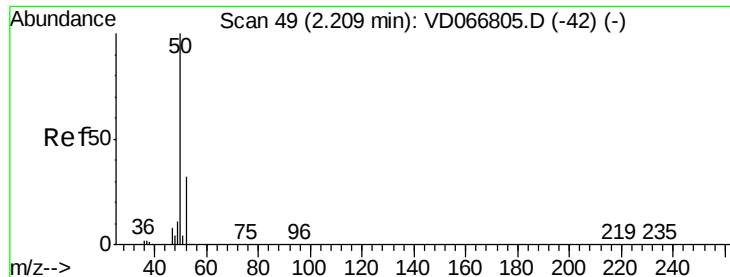
87 30.9 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.557 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 50 Resp: 80451

Ion Ratio Lower Upper

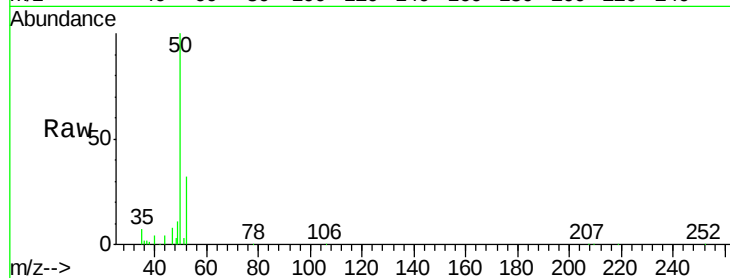
50 100

52 32.3 25.5 38.3

Manual Integrations
APPROVED

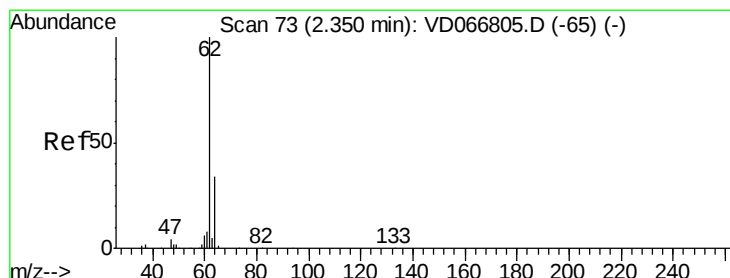
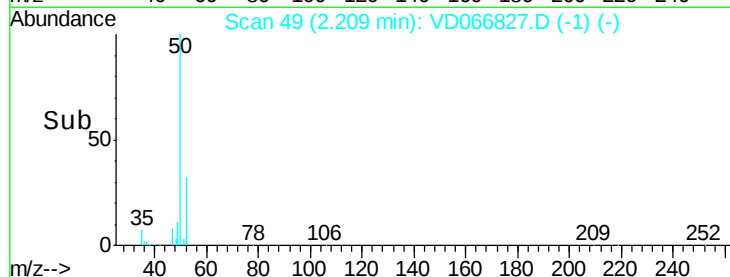
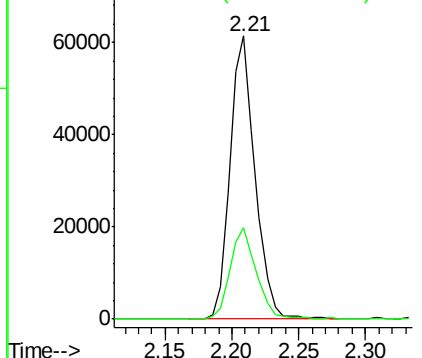
MMDadoda

9/24/2020 1:36:49 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.362 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066827.D

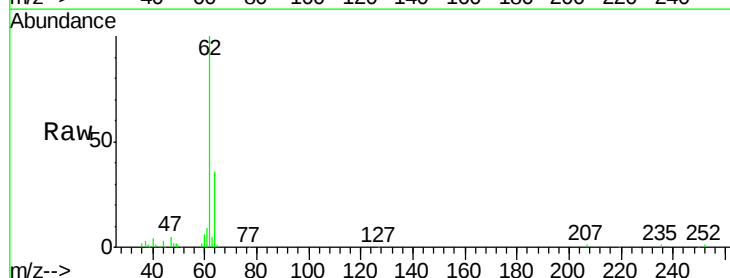
Acq: 23 Sep 2020 11:49

Tgt Ion: 62 Resp: 78760

Ion Ratio Lower Upper

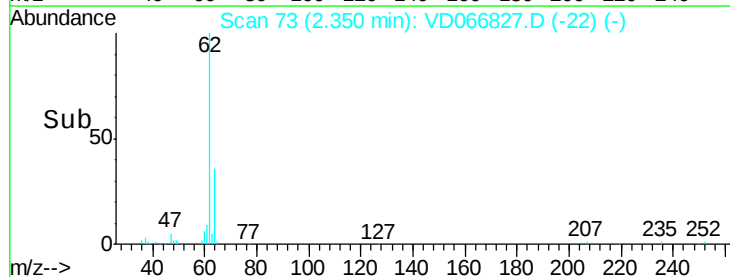
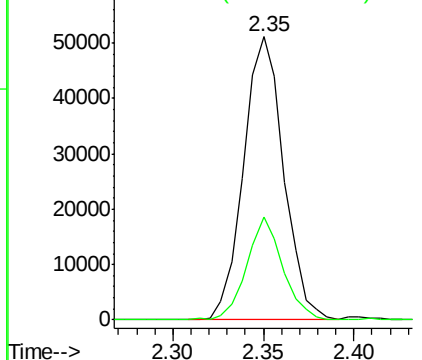
62 100

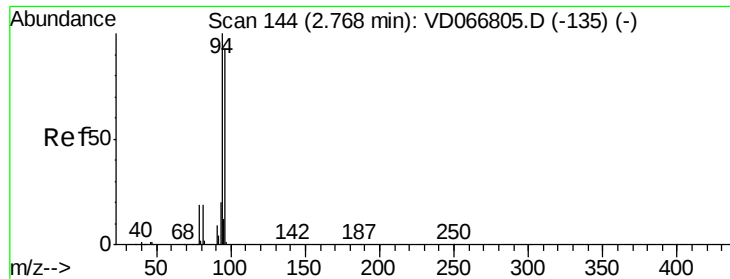
64 36.5 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.289 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

Tot Ion: 94 Resp: 52579

Ion Ratio Lower Upper

94 100

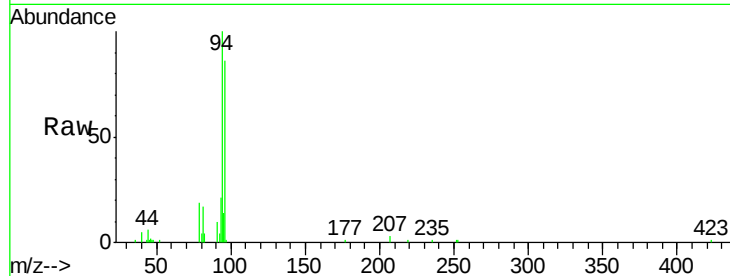
96 85.6 74.3 111.5

Manual Integrations

APPROVED

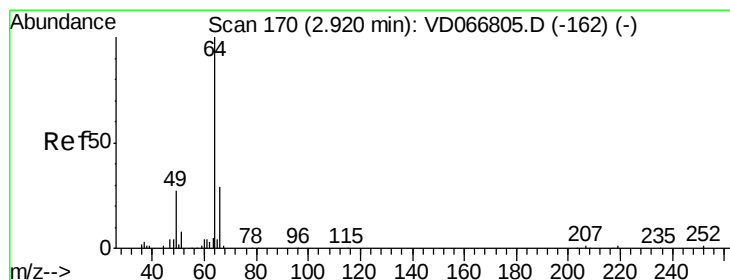
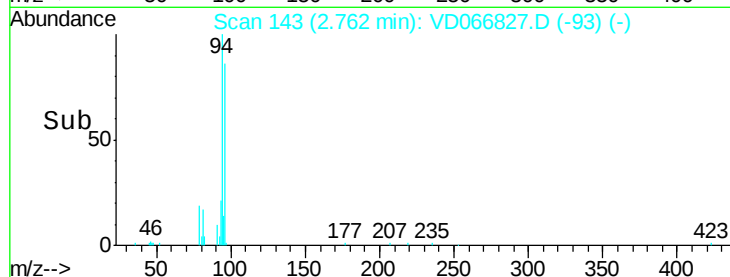
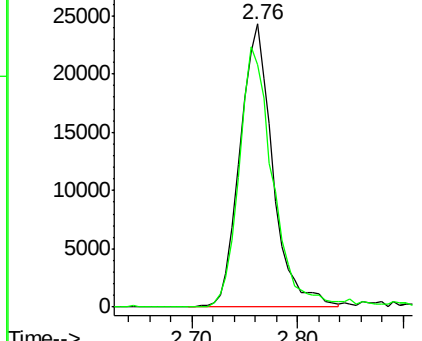
MMDadoda

9/24/2020 1:36:49 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.429 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066827.D

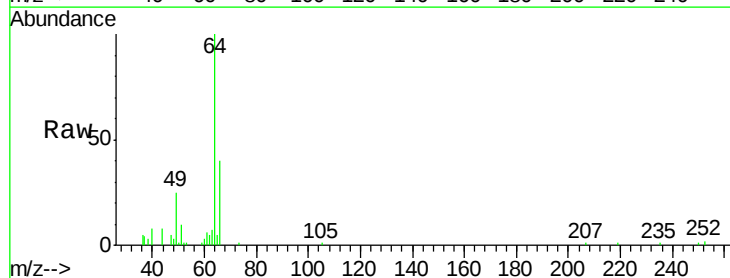
Acq: 23 Sep 2020 11:49

Tgt Ion: 64 Resp: 46774

Ion Ratio Lower Upper

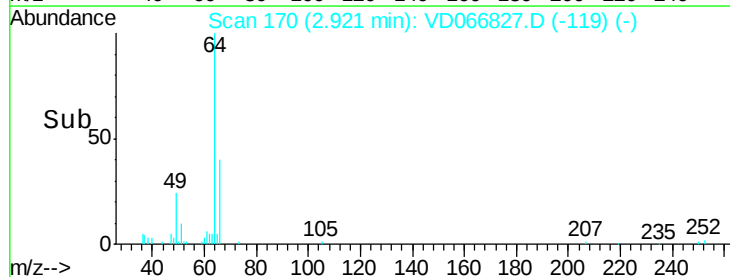
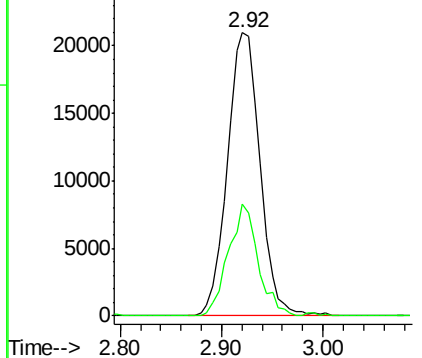
64 100

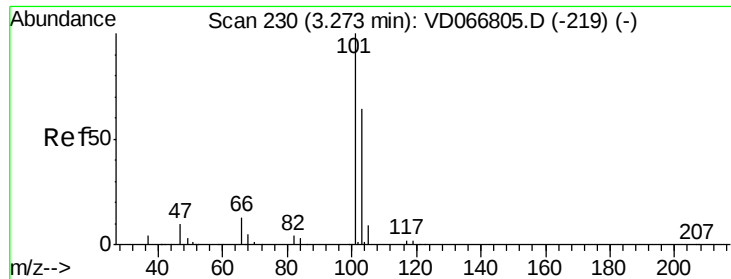
66 39.5 23.3 34.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

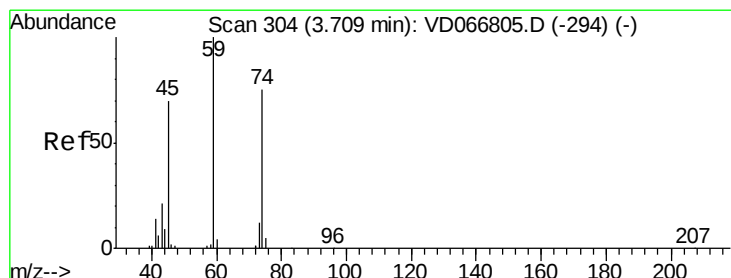
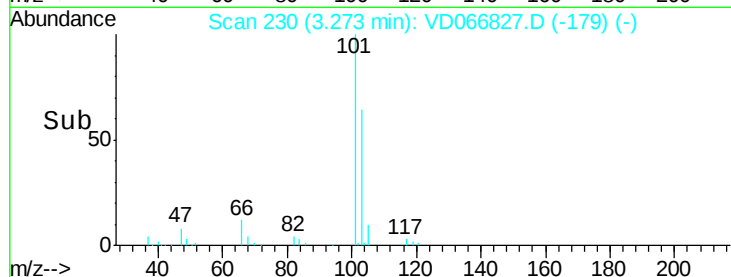
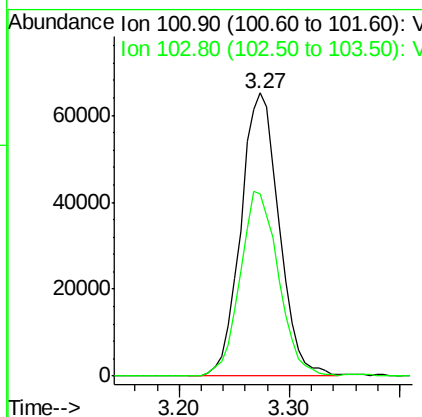
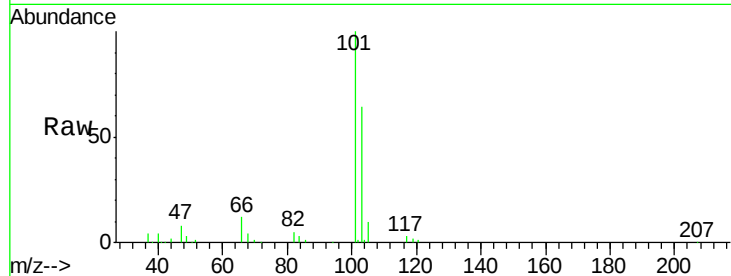
Trichlorofluoromethane
 Concen: 20.961 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	158719		
103	64.3	51.0	76.6	

Manual Integrations
 APPROVED

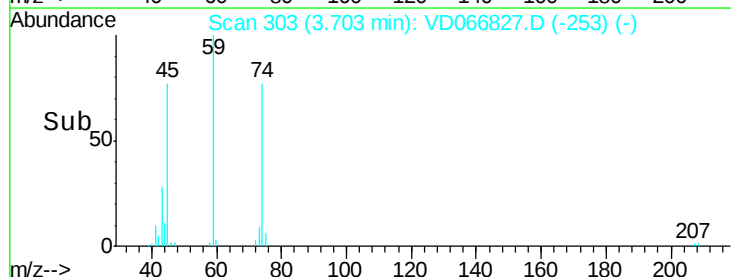
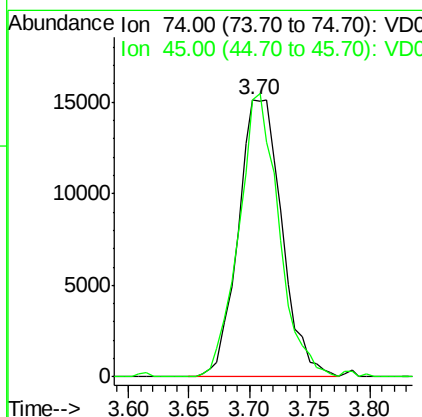
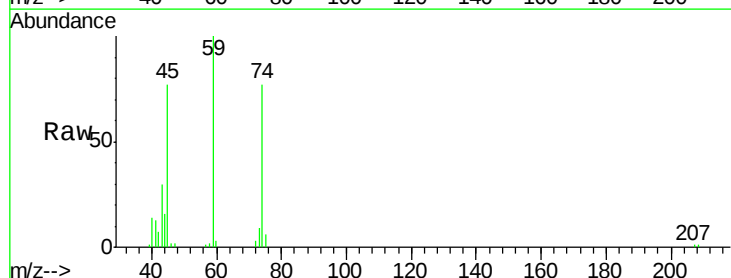
MMDadoda
 9/24/2020 1:36:49 PM

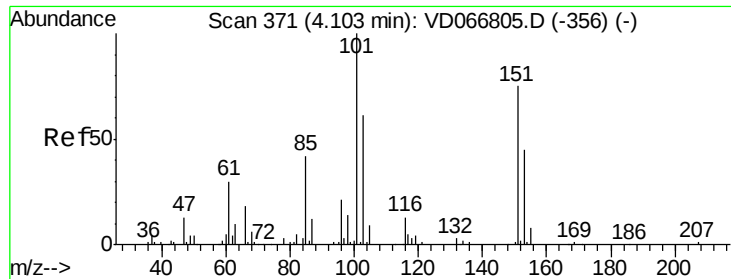


#8

Diethyl Ether
 Concen: 19.873 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38203		
45	94.1	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.743 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

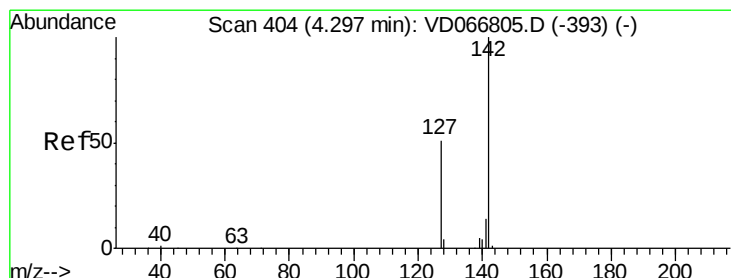
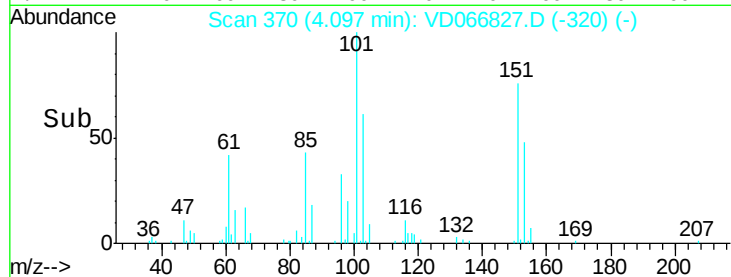
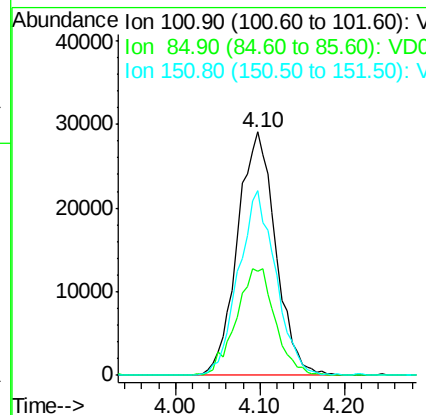
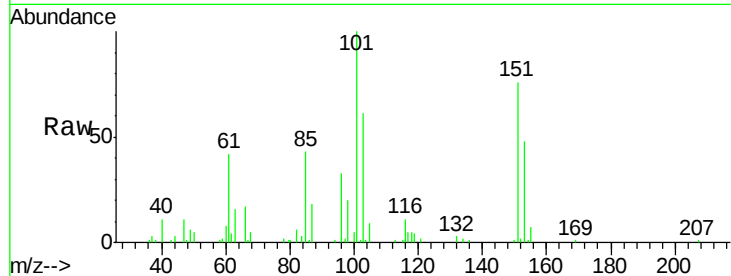
ClientSampleId :

VD0923SBSD01

Tot Ion:	101	Resp:	91076
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.4	53.2
151	74.2	61.4	92.0

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#10

Methyl Iodide

Concen: 23.427 ug/l

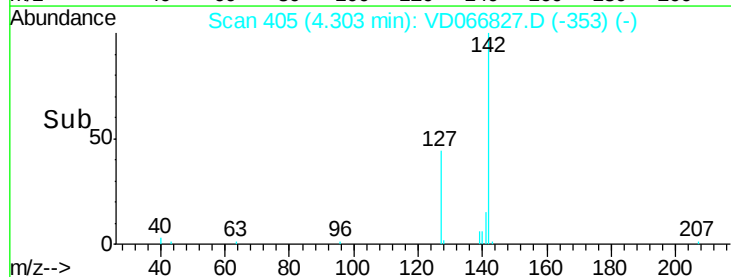
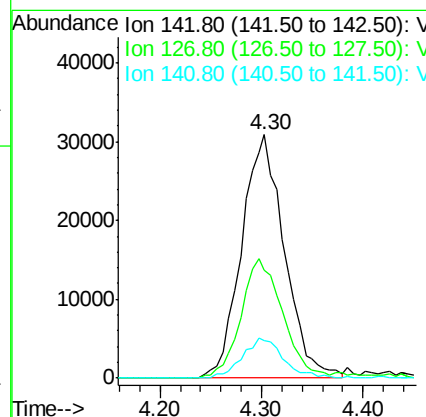
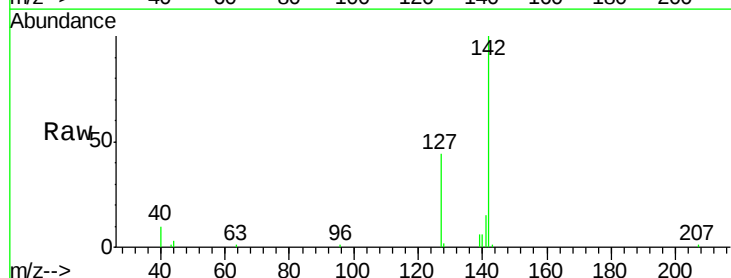
RT: 4.30 min Scan# 405

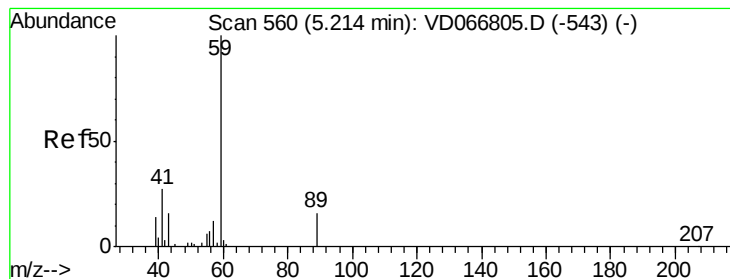
Delta R.T. 0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	142	Resp:	90768
Ion Ratio	Lower	Upper	
142	100		
127	47.5	39.4	59.0
141	15.6	12.1	18.1





#11

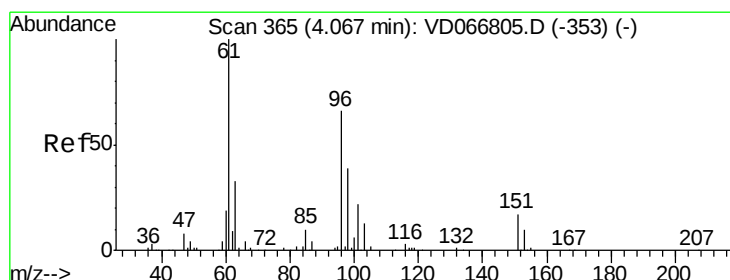
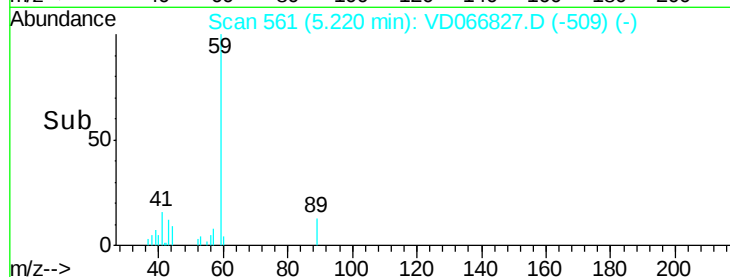
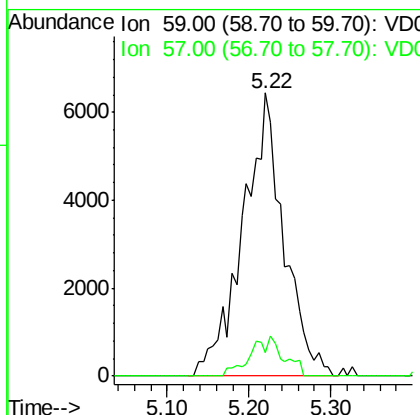
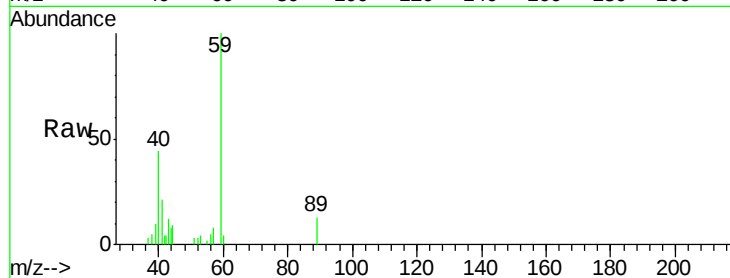
Tert butyl alcohol
 Concen: 56.107 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	22381		
57	5.9		8.3	12.5#

Manual Integrations
 APPROVED

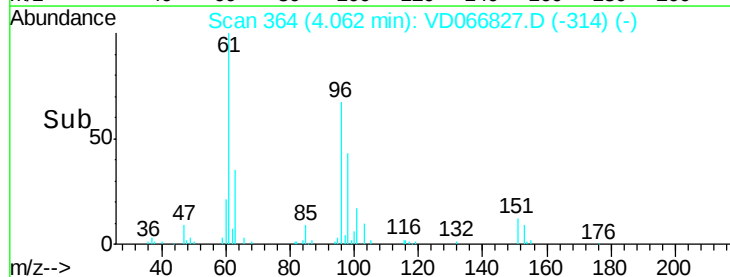
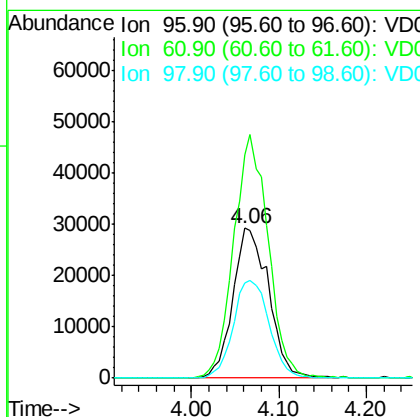
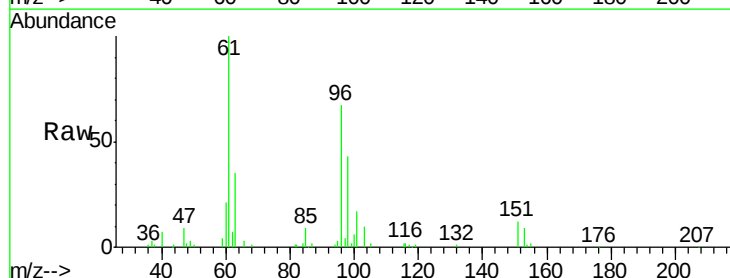
MMDadoda
 9/24/2020 1:36:49 PM

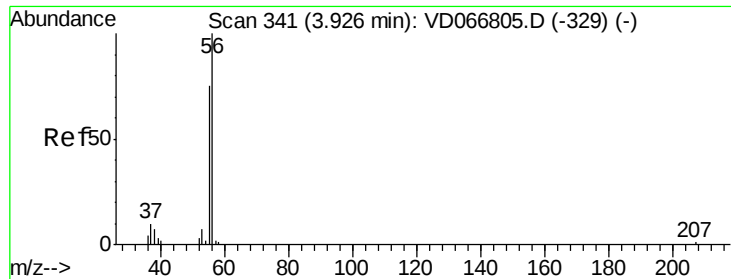


#12

1,1-Dichloroethene
 Concen: 20.402 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	81150		
61	148.6		120.8	181.2
98	63.2		47.7	71.5





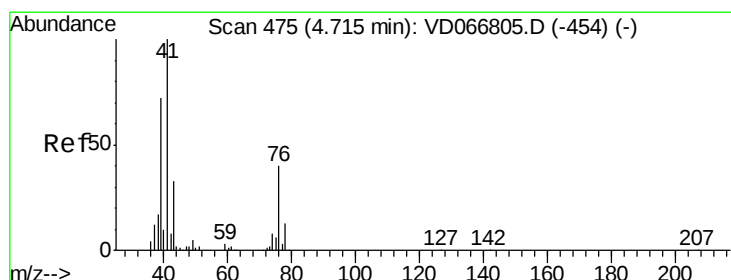
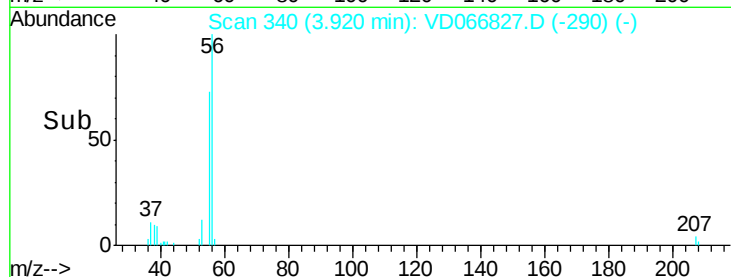
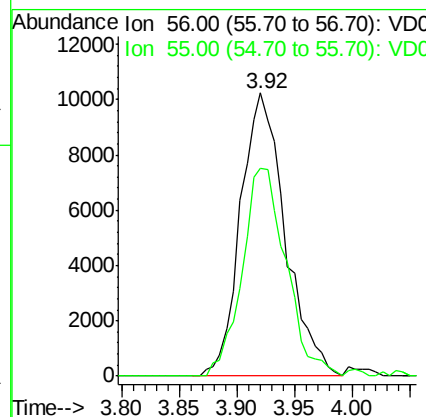
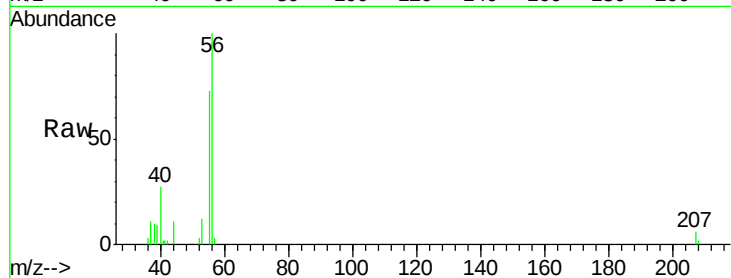
#13
Acrolein
Concen: 93.723 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	56	Ratio	Lower	Upper
56	100			
55	72.3	60.3	90.5	

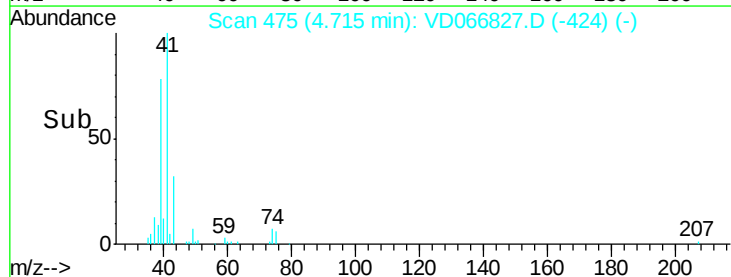
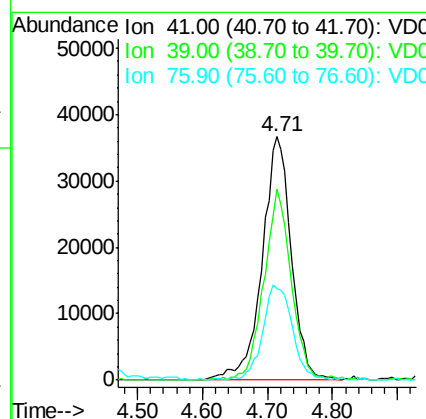
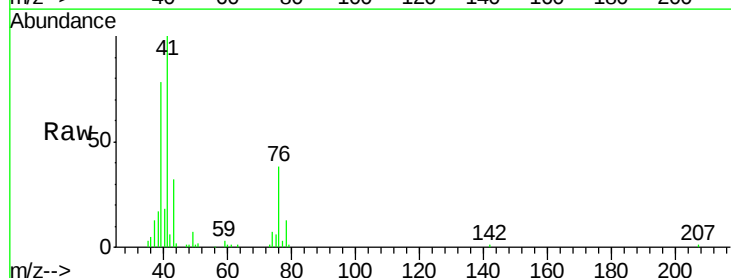
Manual Integrations
APPROVED

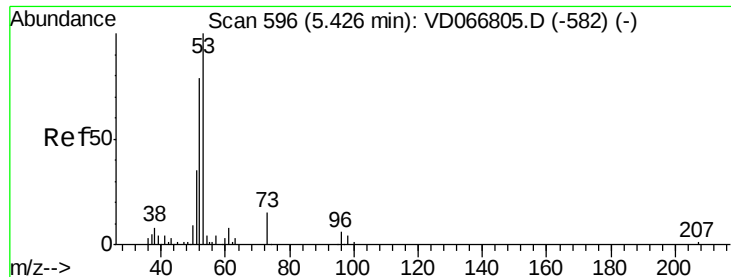
MMDadoda
9/24/2020 1:36:49 PM



#14
Allyl chloride
Concen: 19.435 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	41	Ratio	Lower	Upper
41	100			
39	73.1	57.8	86.8	
76	39.7	30.9	46.3	





#15

Acrylonitrile

Concen: 89.741 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

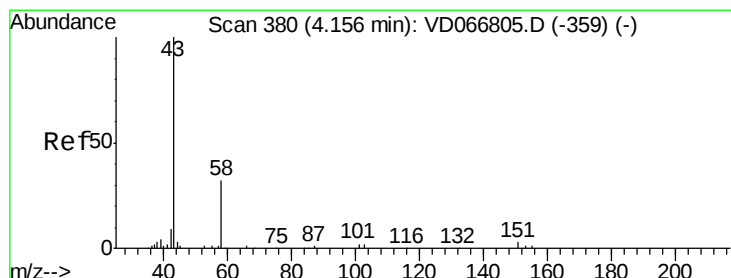
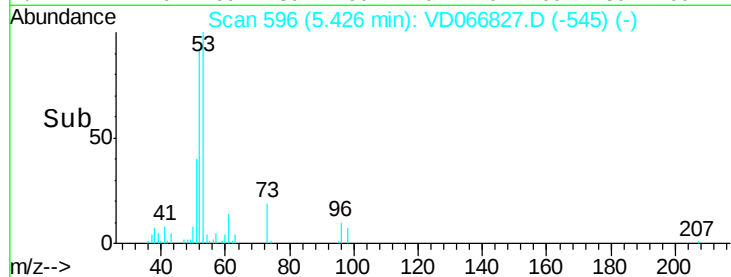
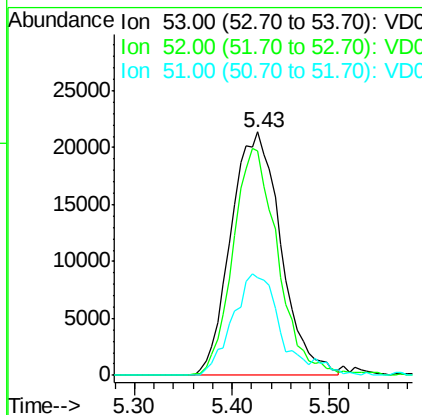
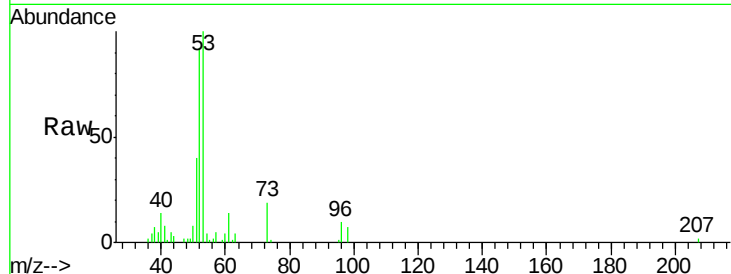
ClientSampleId :

VD0923SBS01

Tot Ion:	53	Resp:	76451
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.2	97.8
51	38.1	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#16

Acetone

Concen: 77.937 ug/l

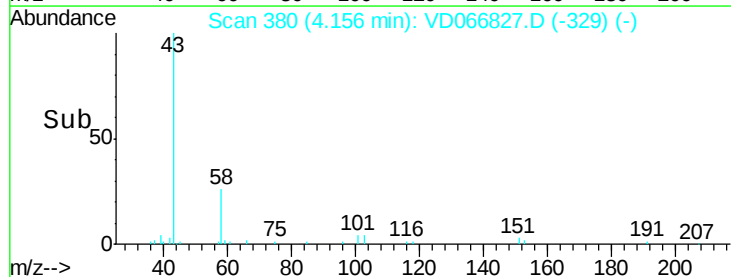
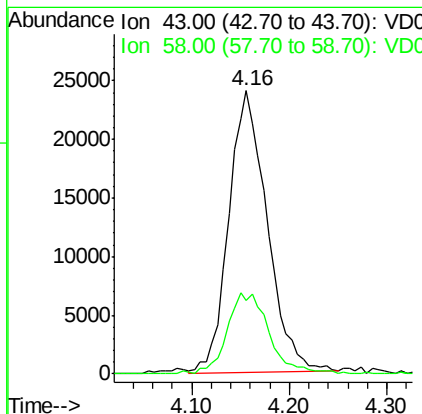
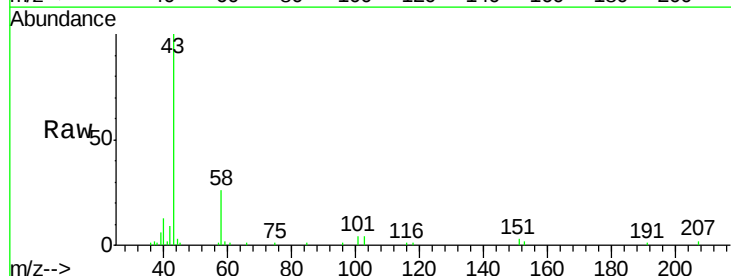
RT: 4.16 min Scan# 380

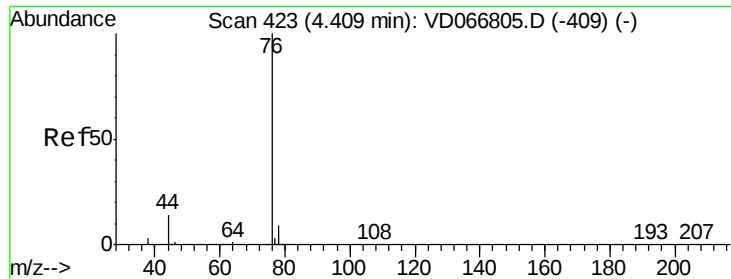
Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	43	Resp:	65729
Ion	Ratio	Lower	Upper
43	100		
58	26.1	25.6	38.4





#17

Carbon Disulfide

Concen: 21.010 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

Tot Ion: 76 Resp: 255490

Ion Ratio Lower Upper

76 100

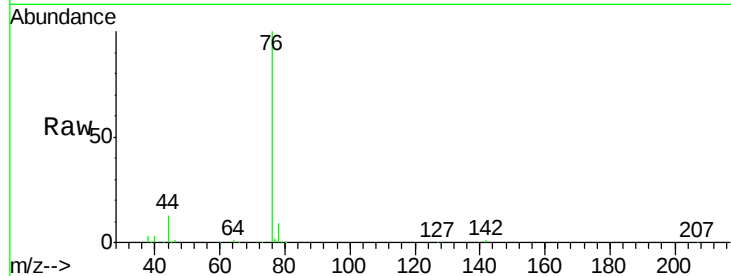
78 8.9 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

100000

80000

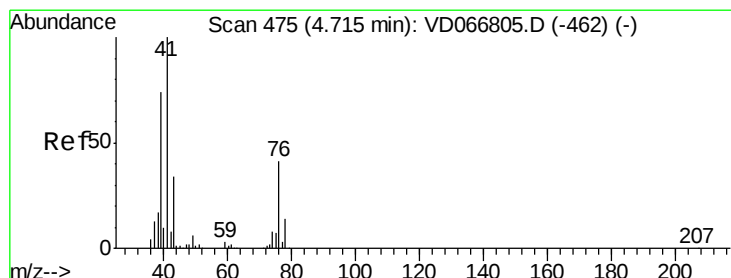
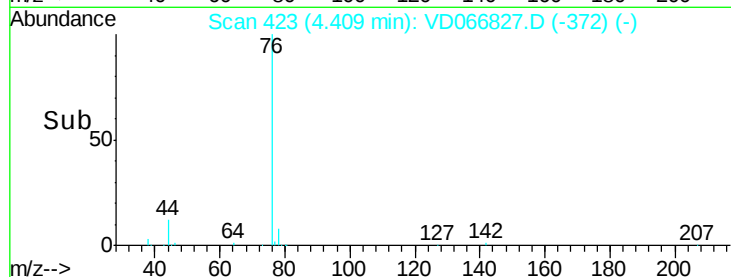
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 17.148 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066827.D

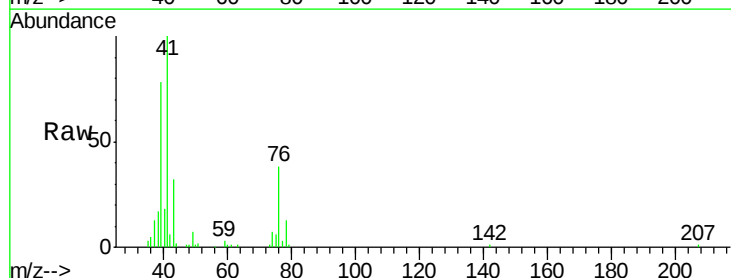
Acq: 23 Sep 2020 11:49

Tgt Ion: 43 Resp: 36755

Ion Ratio Lower Upper

43 100

74 13.3 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

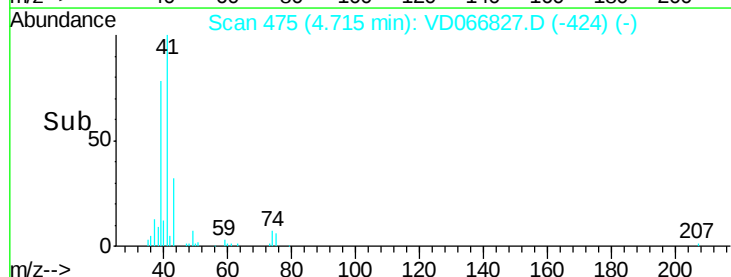
4.71

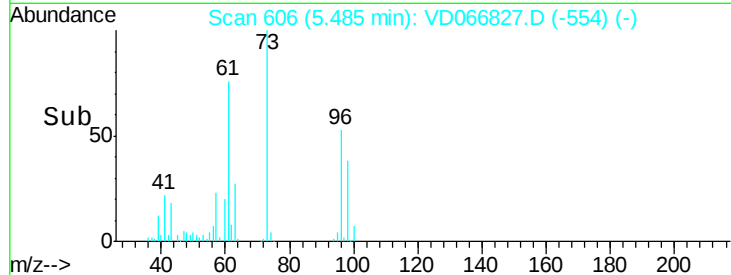
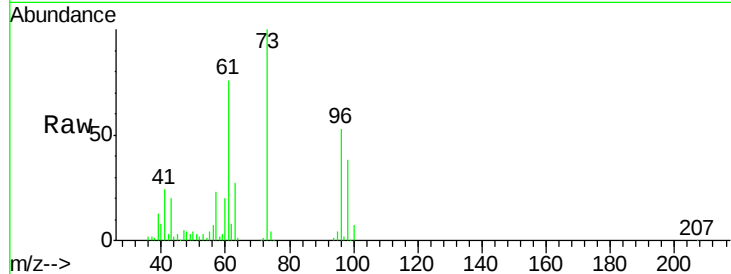
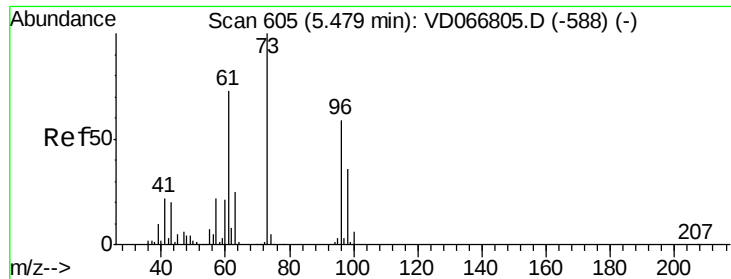
10000

5000

0

Time-->





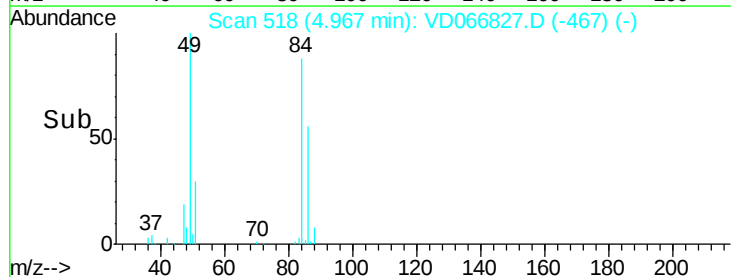
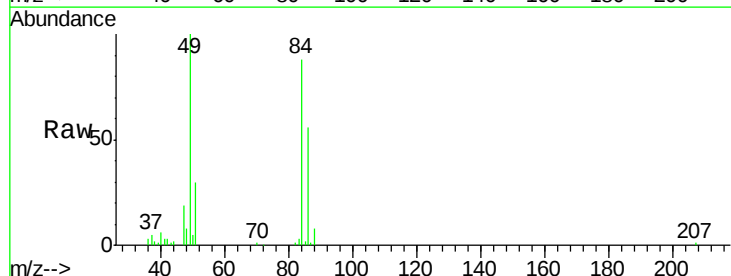
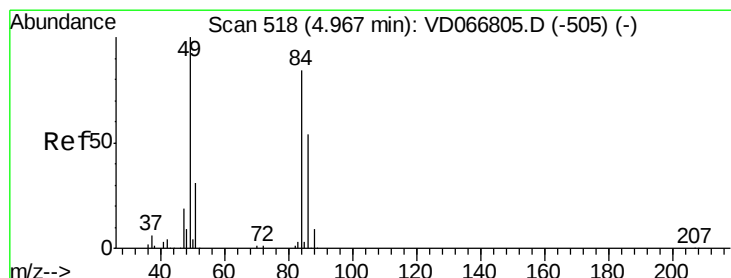
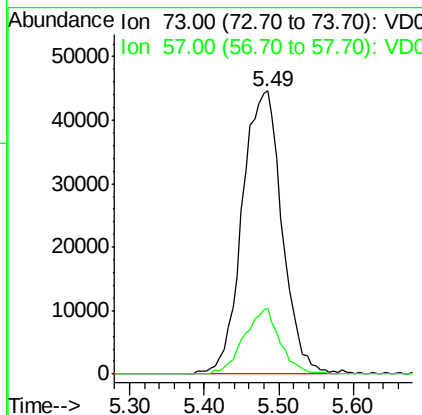
#19
Methyl tert-butyl Ether
Concen: 19.150 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tot Ion: 73 Resp: 165415
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.2

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

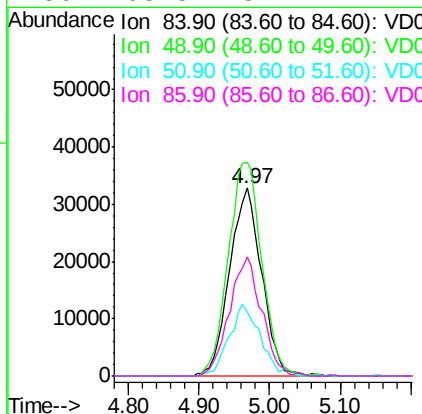
Manual Integrations
APPROVED

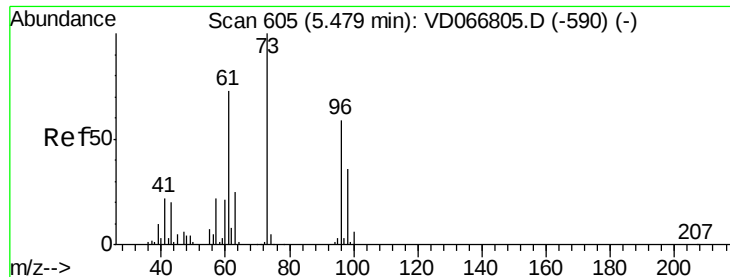
MMDadoda
9/24/2020 1:36:49 PM



#20
Methylene Chloride
Concen: 19.209 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 84 Resp: 103750
Ion Ratio Lower Upper
84 100
49 113.8 95.4 143.2
51 33.9 29.7 44.5
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.364 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

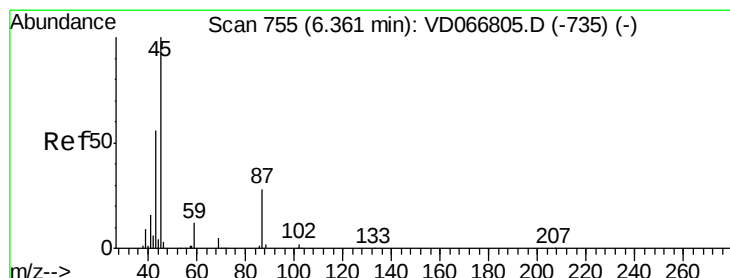
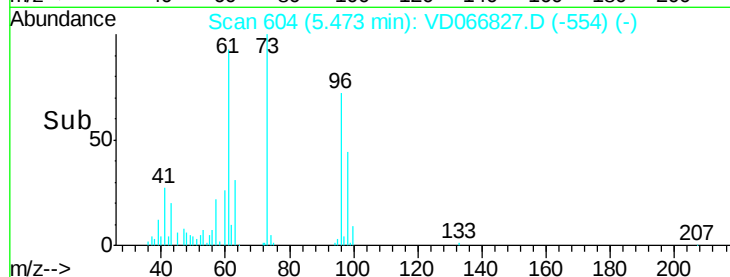
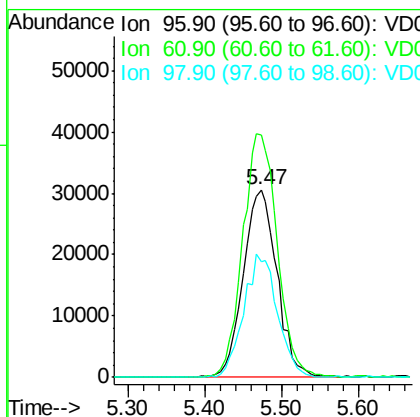
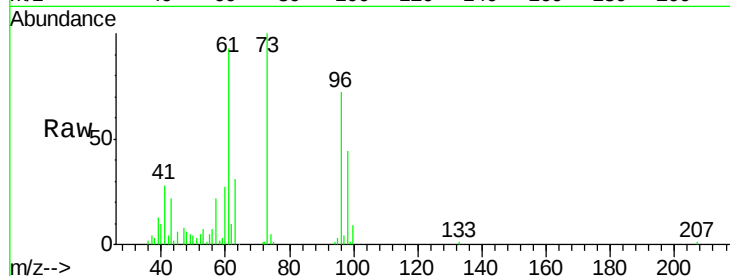
ClientSampleId :

VD0923SBS01

Tot Ion:	96	Resp:	93785
Ion	Ratio	Lower	Upper
96	100		
61	129.3	98.9	148.3
98	61.5	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#22

Diisopropyl ether

Concen: 20.571 ug/l

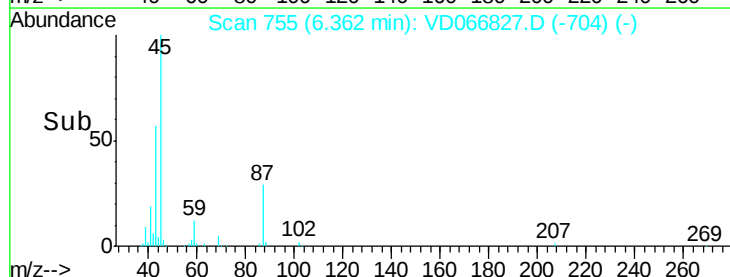
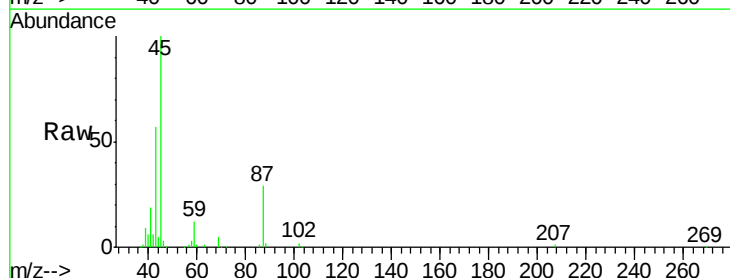
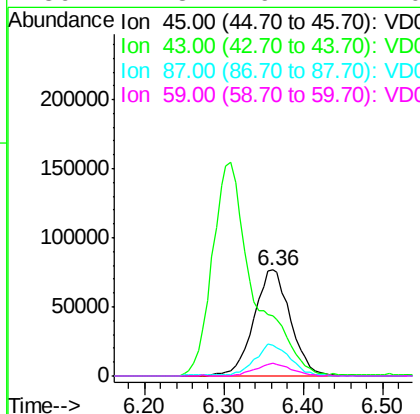
RT: 6.36 min Scan# 755

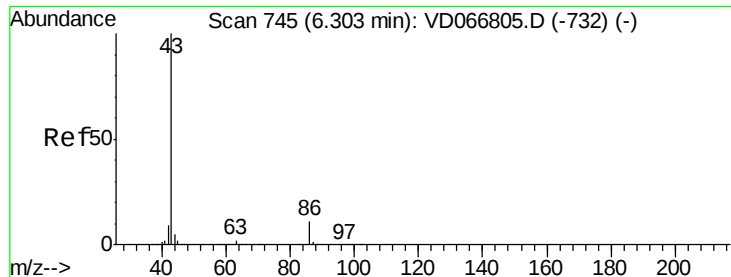
Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	45	Resp:	247034
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.5	66.7
87	29.1	22.9	34.3
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 87.819 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 561147

Ion Ratio Lower Upper

43 100

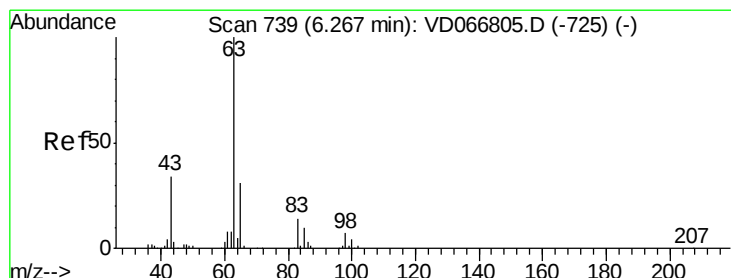
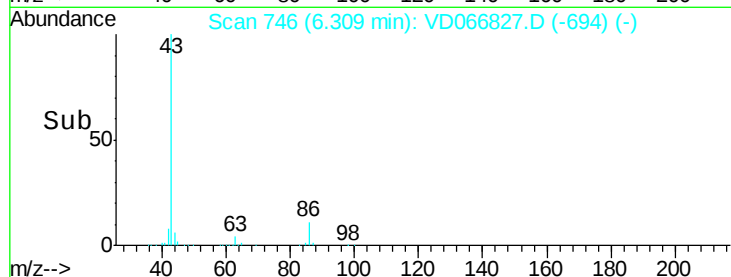
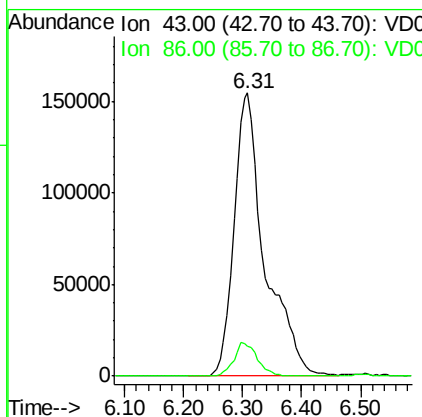
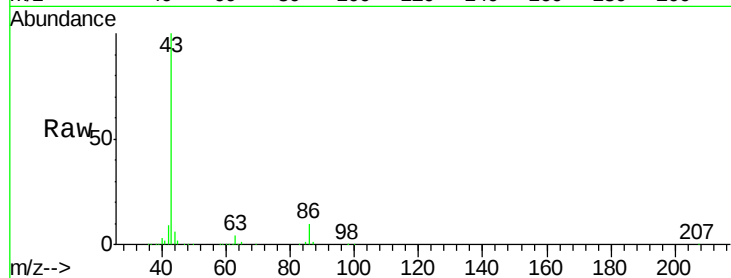
86 10.5 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:49 PM



#24

1,1-Dichloroethane

Concen: 19.981 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

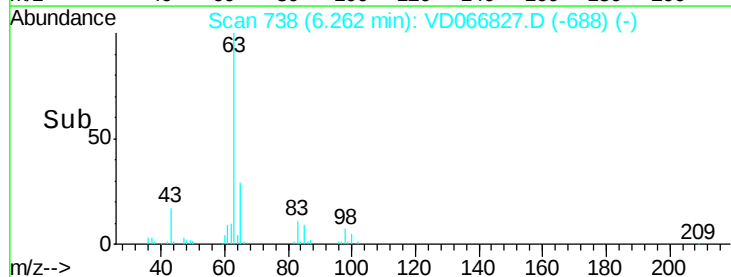
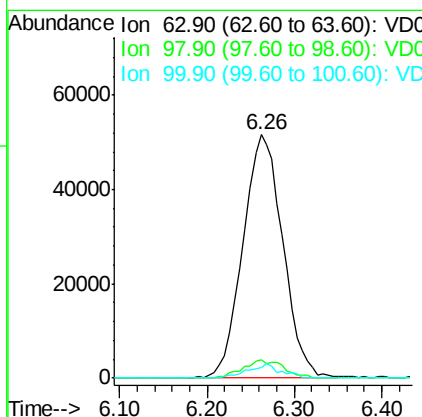
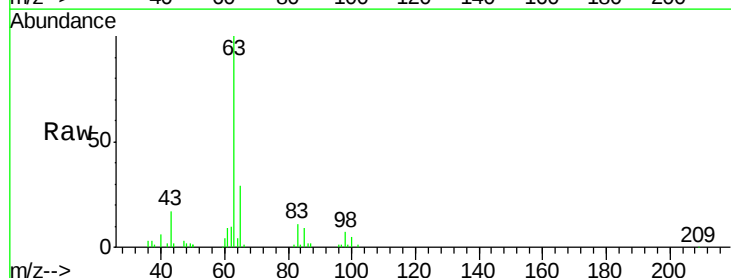
Tgt Ion: 63 Resp: 160524

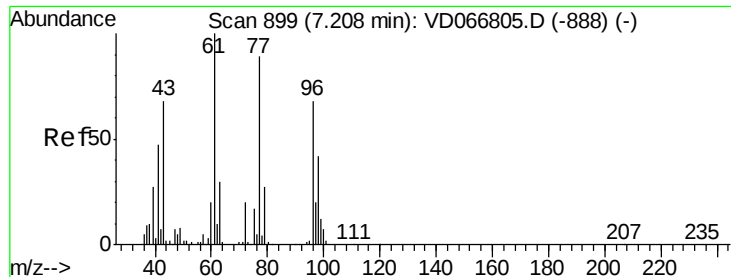
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 92.583 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 93832

Ion Ratio Lower Upper

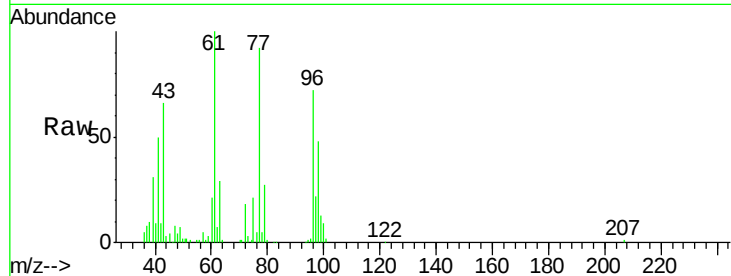
43 100

72 27.9 22.9 34.3

Manual Integrations
APPROVED

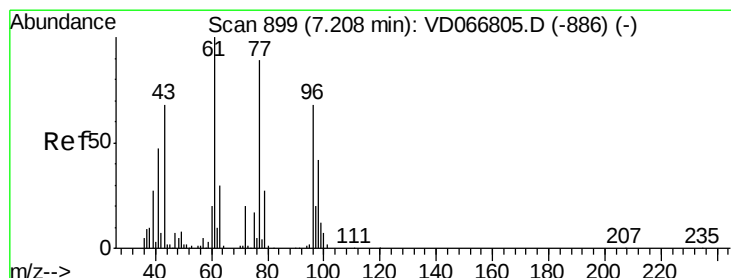
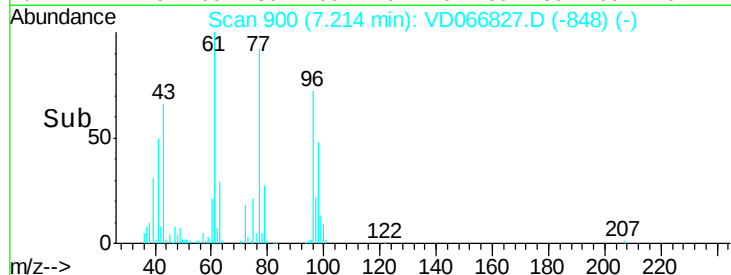
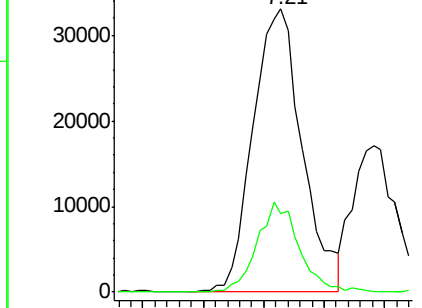
MMDadoda

9/24/2020 1:36:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.996 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066827.D

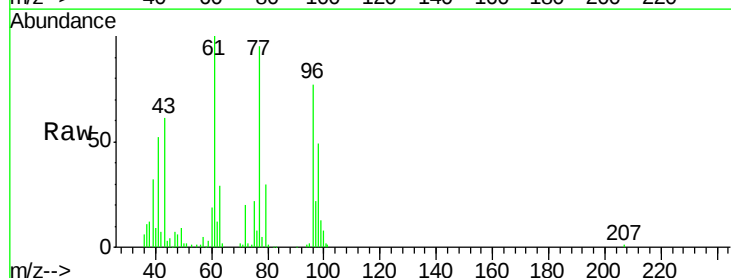
Acq: 23 Sep 2020 11:49

Tgt Ion: 77 Resp: 147237

Ion Ratio Lower Upper

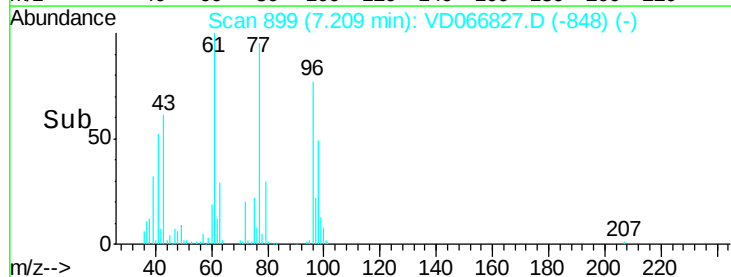
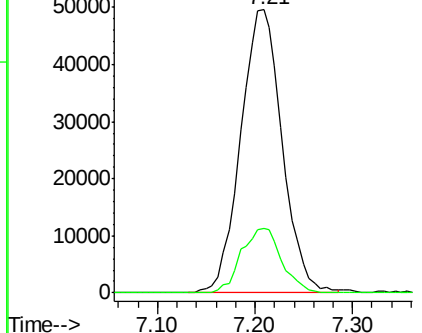
77 100

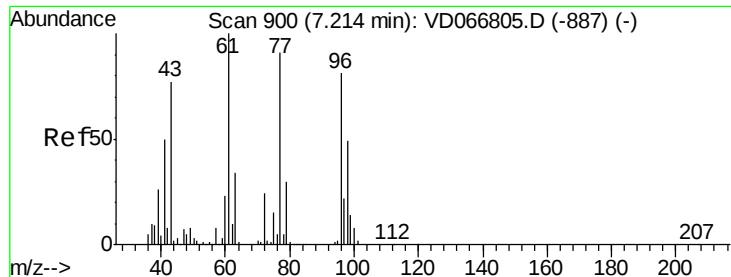
97 22.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

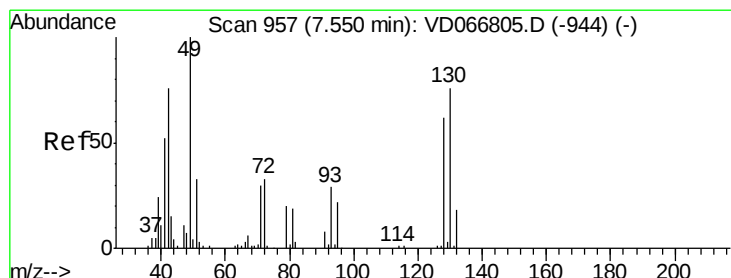
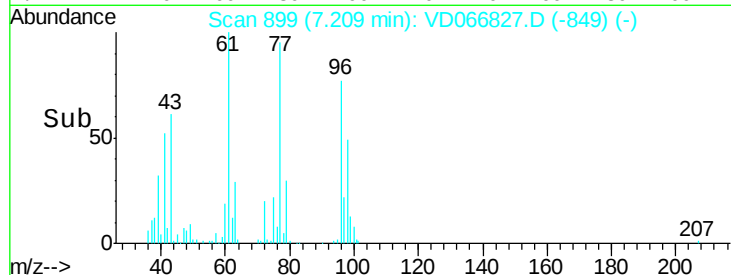
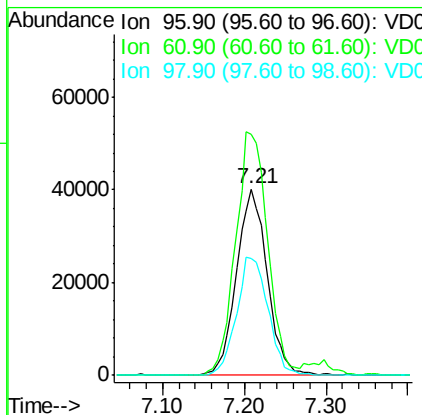
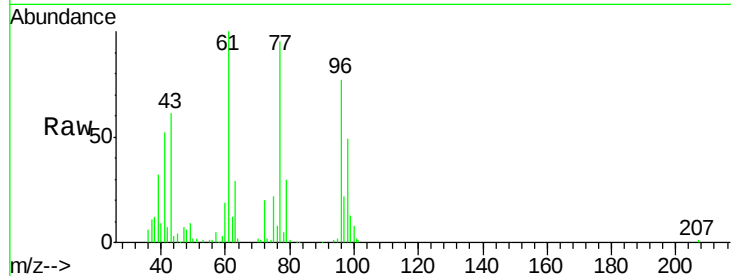
cis-1,2-Dichloroethene
Concen: 21.006 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105114		
61	136.5		0.0	283.8
98	65.0		0.0	128.4

Manual Integrations
APPROVED

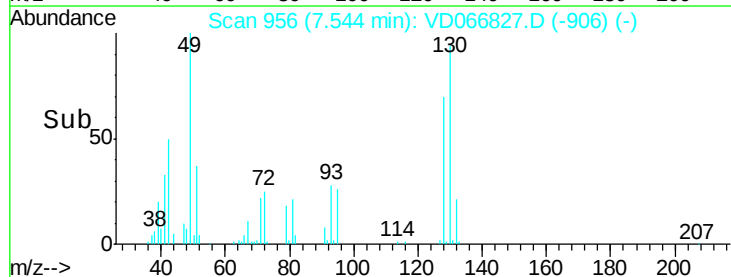
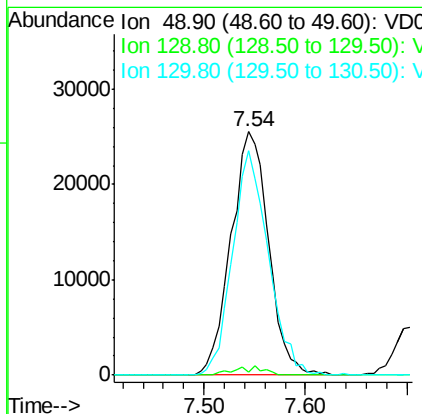
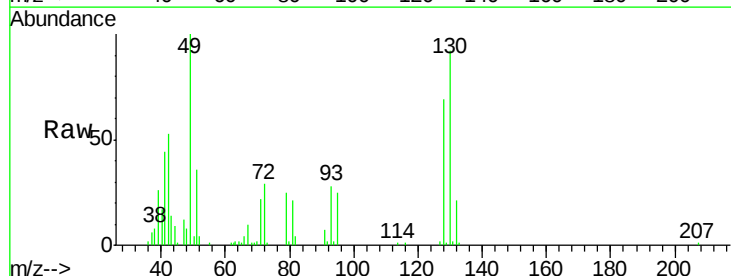
MMDadoda
9/24/2020 1:36:49 PM

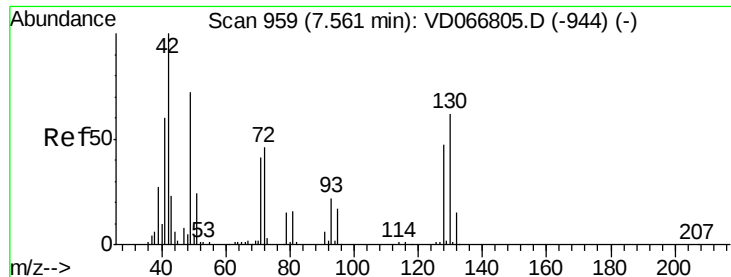


#28

Bromochloromethane
Concen: 19.710 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65415		
129	1.6		0.0	2.0
130	88.0		65.9	98.9





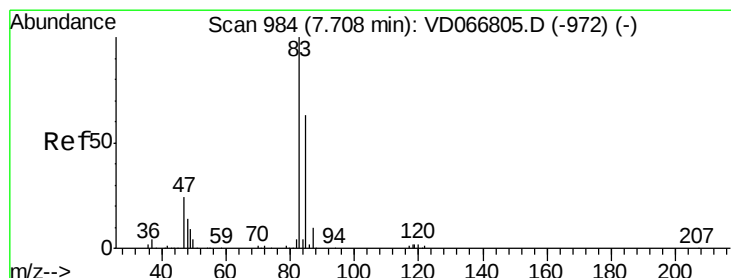
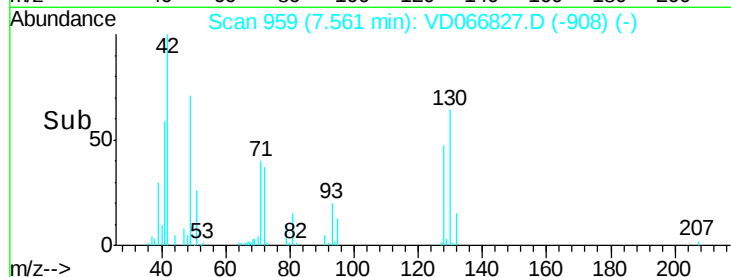
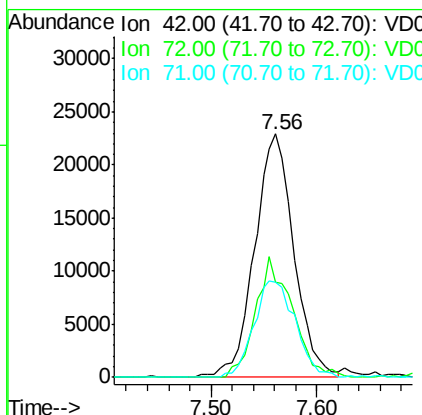
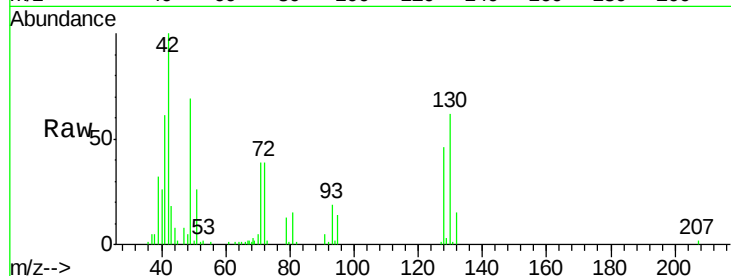
#29
Tetrahydrofuran
Concen: 90.997 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.2	54.4
71	41.8	32.4	48.6

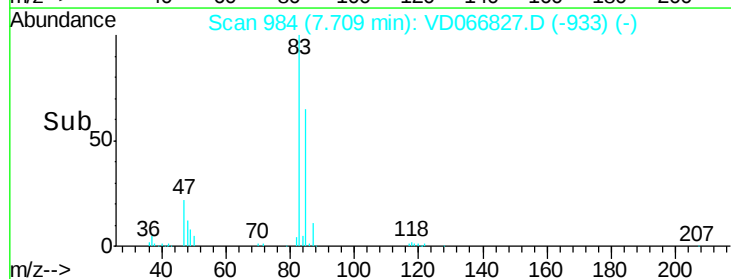
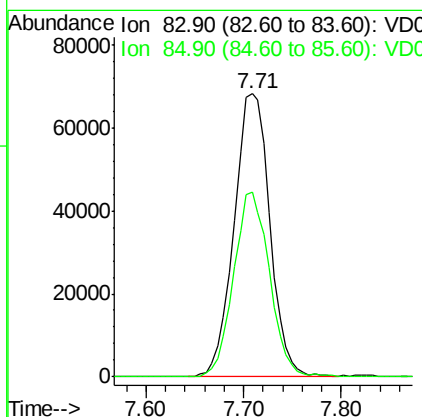
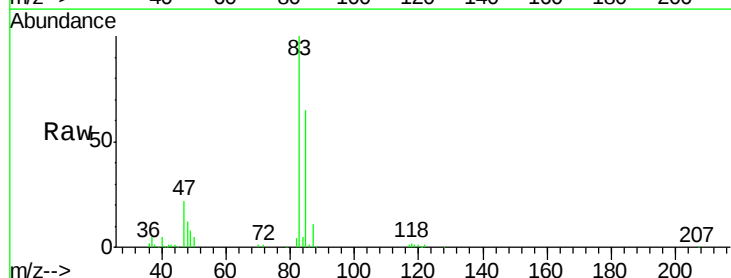
Manual Integrations
APPROVED

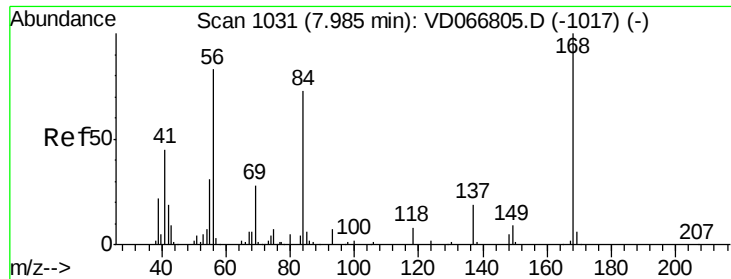
MMDadoda
9/24/2020 1:36:49 PM



#30
Chloroform
Concen: 20.204 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	75.8





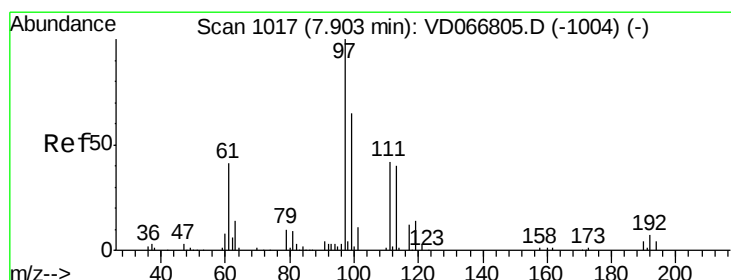
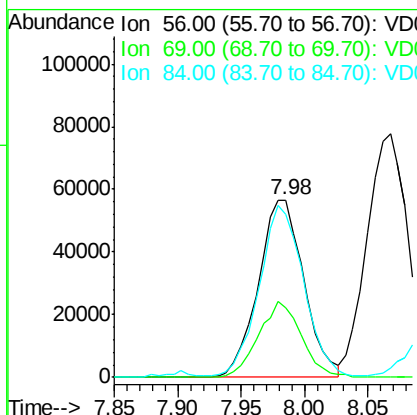
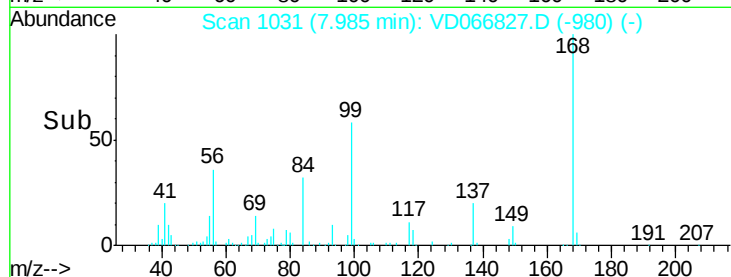
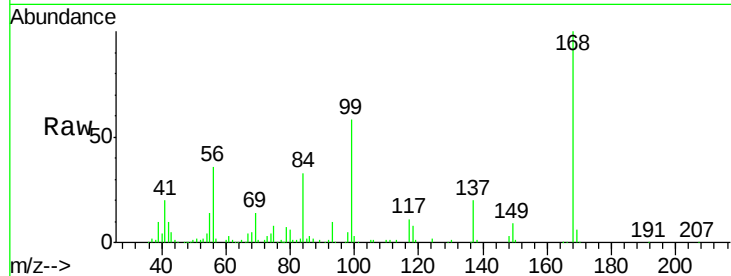
#31
Cyclohexane
Concen: 19.624 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		141853		
69	38.9	27.0	40.4		
84	90.0	70.2	105.4		

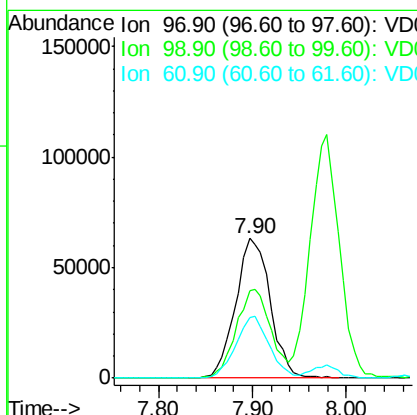
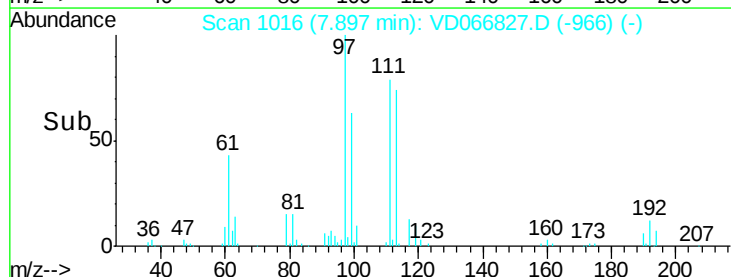
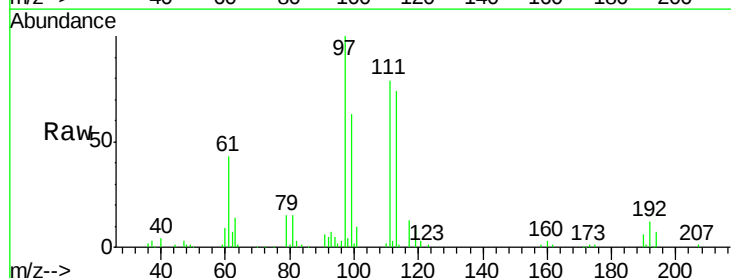
Manual Integrations
APPROVED

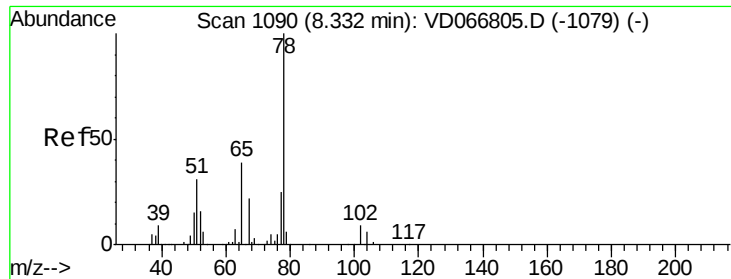
MMDadoda
9/24/2020 1:36:49 PM



#32
1,1,1-Trichloroethane
Concen: 20.666 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		161895		
99	63.7	51.5	77.3		
61	42.4	34.2	51.4		





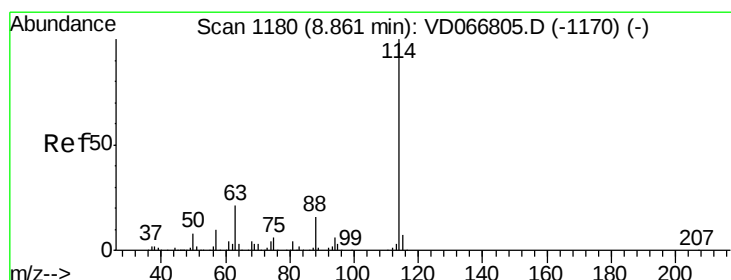
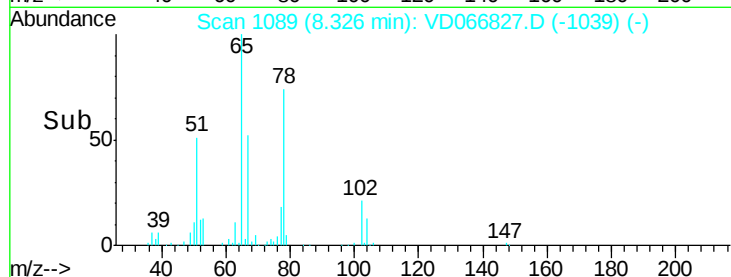
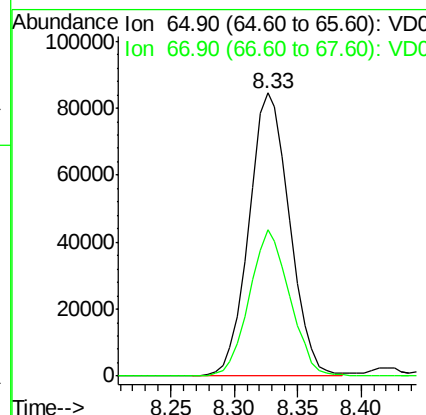
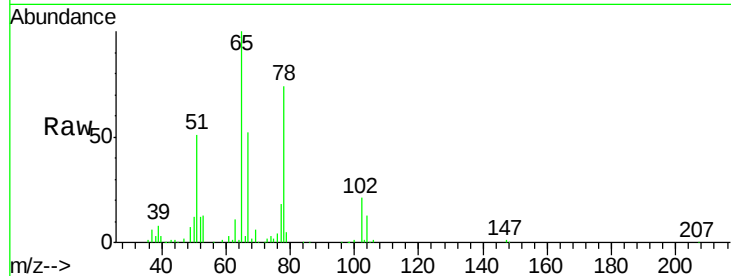
#33
 1,2-Dichloroethane-d4
 Concen: 47.439 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188599		
67	51.6	0.0	107.2	

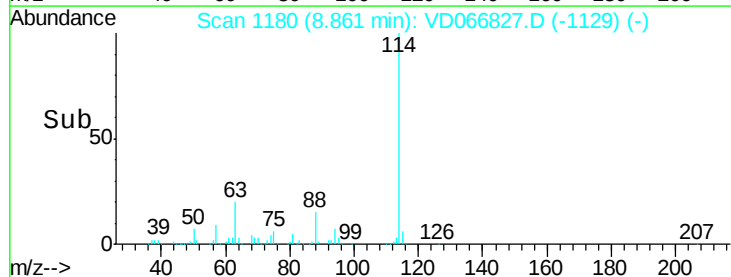
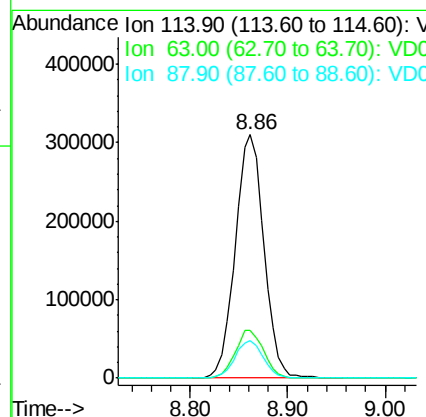
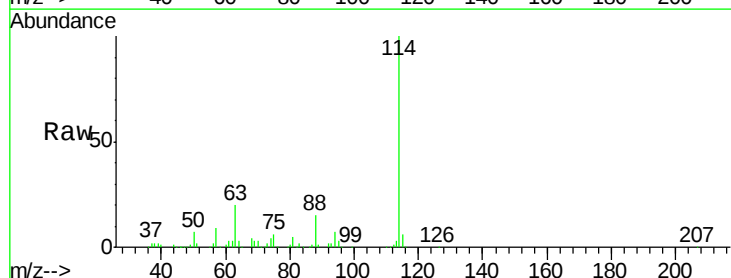
Manual Integrations
 APPROVED

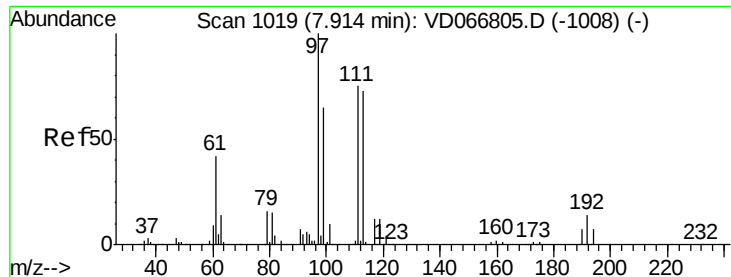
MMDadoda
 9/24/2020 1:36:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	633008		
63	19.6	0.0	42.6	
88	15.4	0.0	32.6	





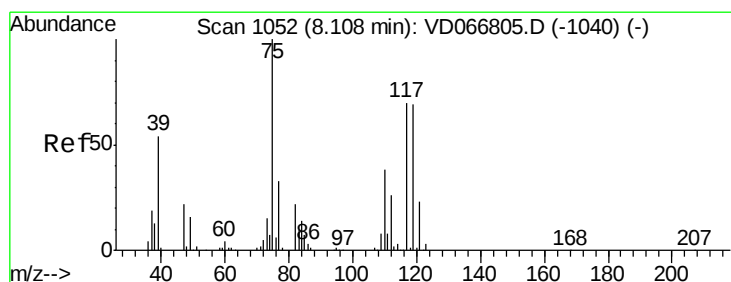
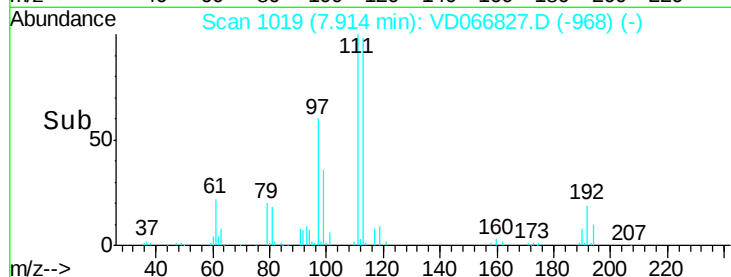
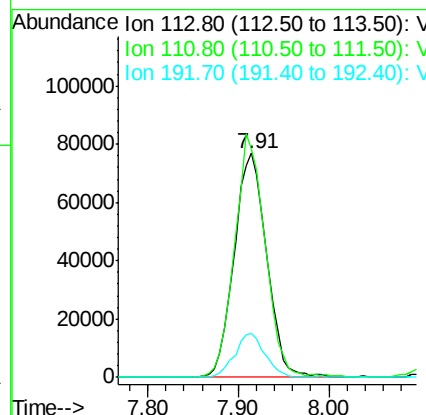
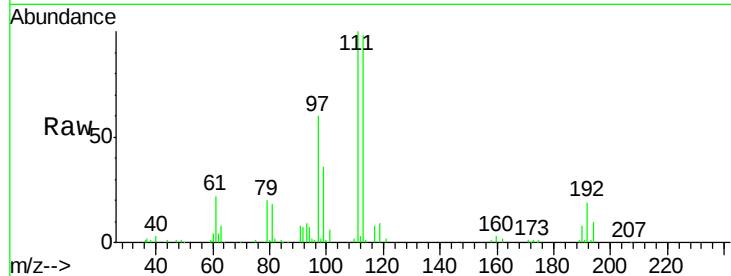
#35
 Dibromofluoromethane
 Concen: 47.729 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192213		
111	101.8	81.8	122.8	
192	18.2	14.4	21.6	

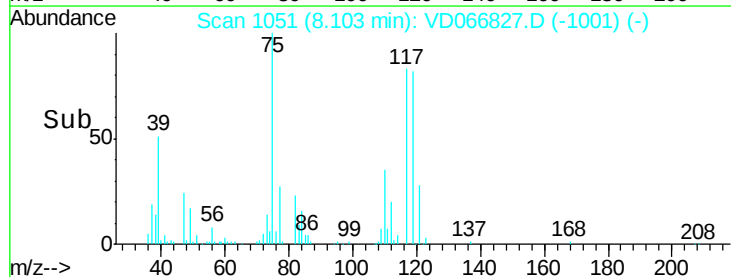
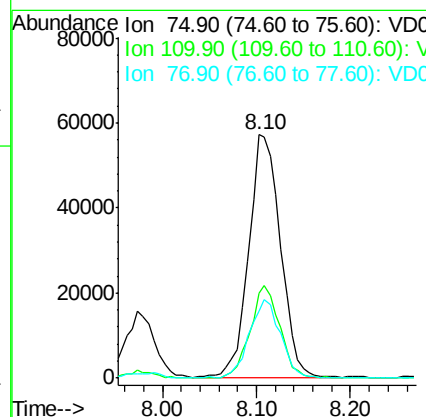
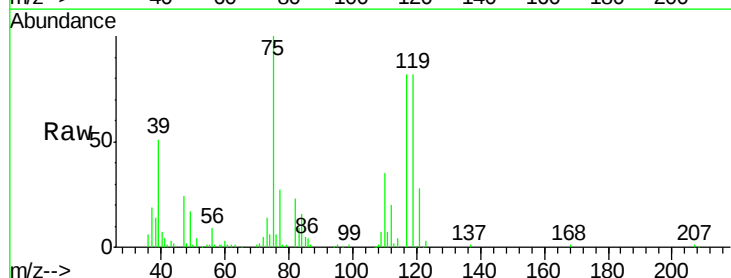
Manual Integrations
 APPROVED

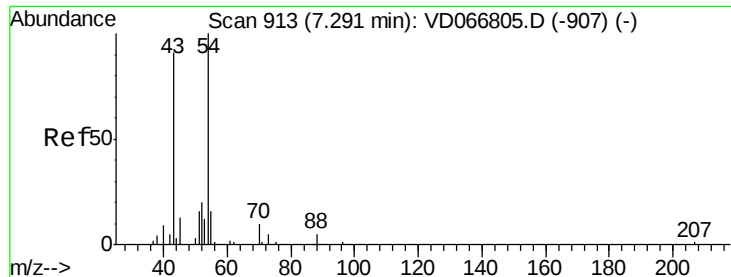
MMDadoda
 9/24/2020 1:36:49 PM



#36
 1,1-Dichloropropene
 Concen: 21.484 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134920		
110	35.1	17.9	53.8	
77	31.5	25.0	37.6	





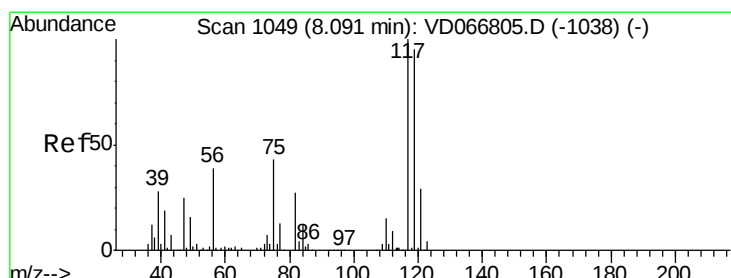
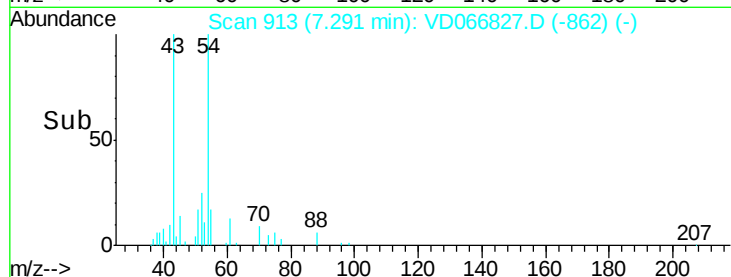
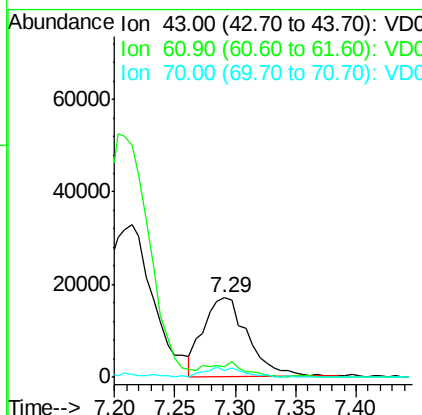
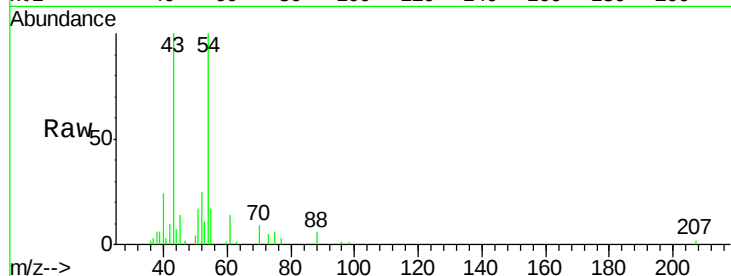
#37
Ethyl Acetate
Concen: 18.855 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleID :
VD0923SBS01

Tot Ion	43	Resp	42806
Ion	Ratio	Lower	Upper
43	100		
61	14.4	9.8	14.8
70	11.2	8.5	12.7

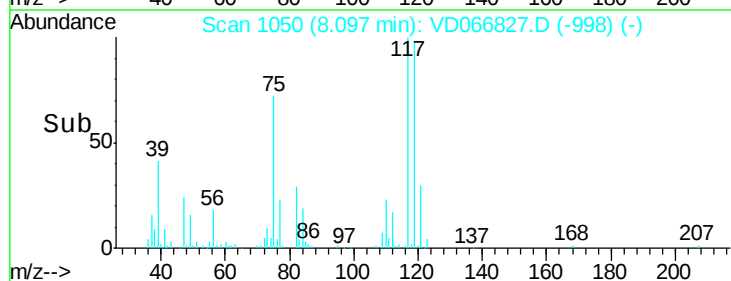
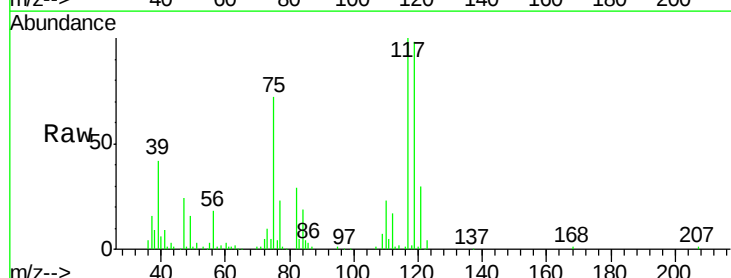
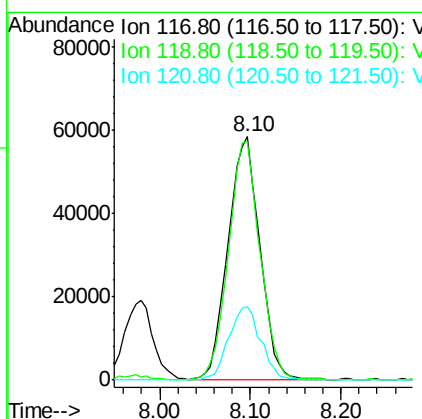
Manual Integrations
APPROVED

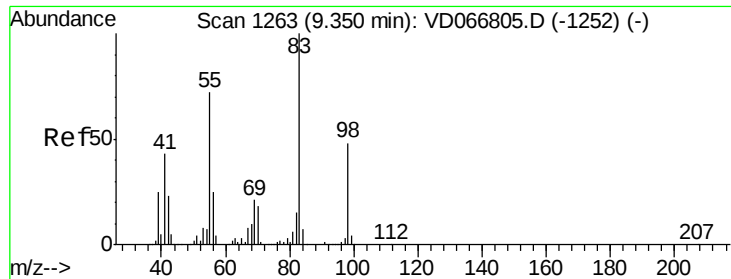
MMDadoda
9/24/2020 1:36:49 PM



#38
Carbon Tetrachloride
Concen: 20.751 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	117	Resp	142474
Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.8	113.8
121	30.4	23.4	35.0





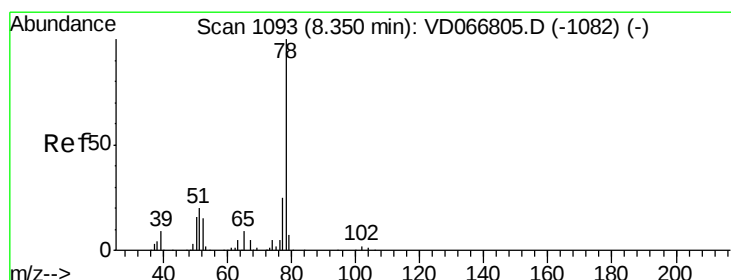
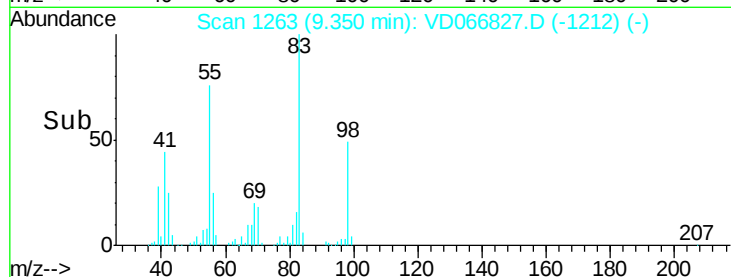
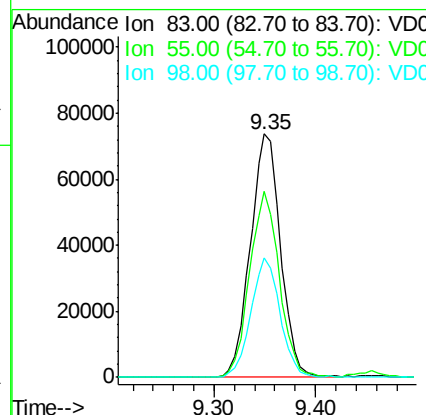
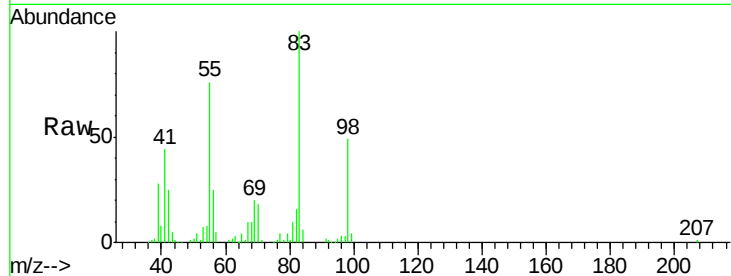
#39
Methvlcvclohexane
Concen: 21.141 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	152435		
55	76.3		57.7	86.5
98	48.9		38.4	57.6

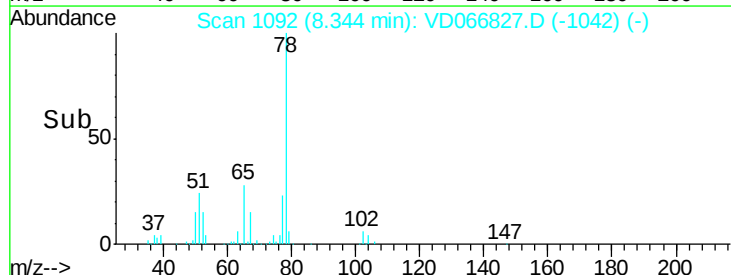
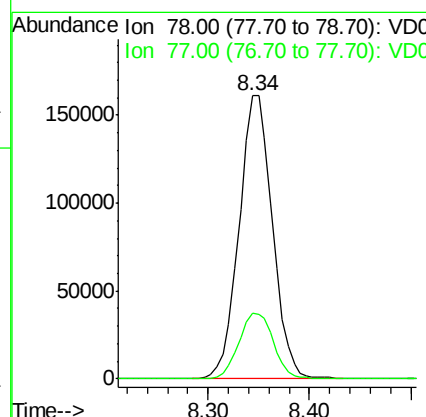
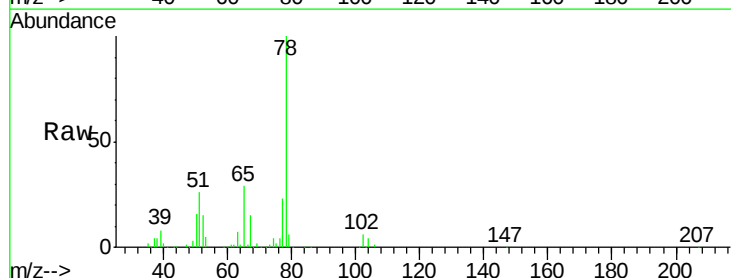
Manual Integrations
APPROVED

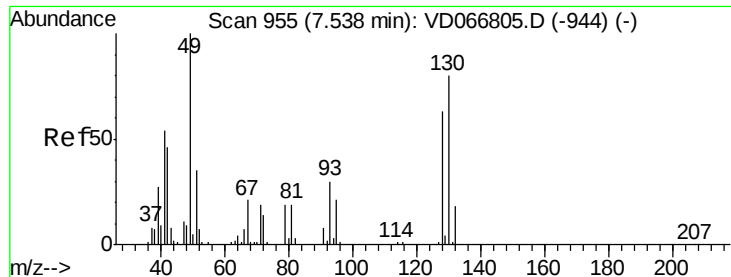
MMDadoda
9/24/2020 1:36:49 PM



#40
Benzene
Concen: 21.034 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	368136		
77	23.5		19.9	29.9





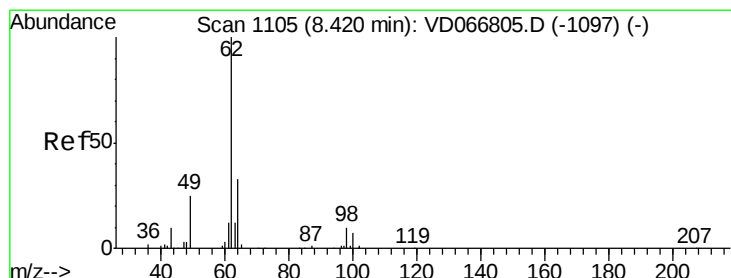
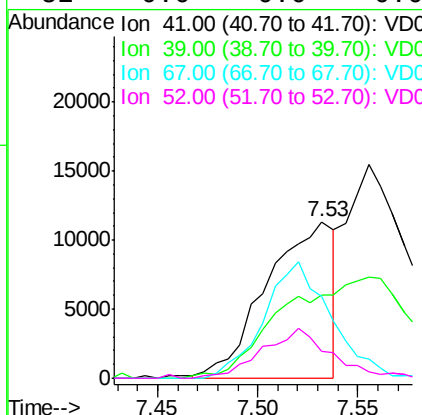
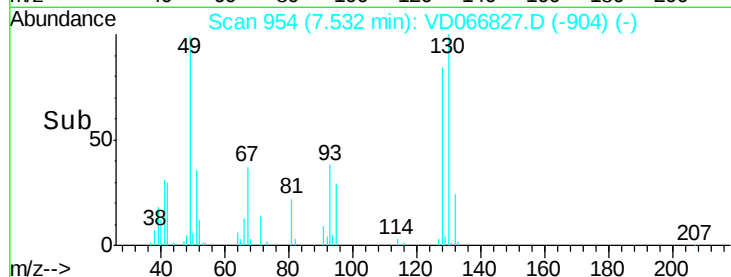
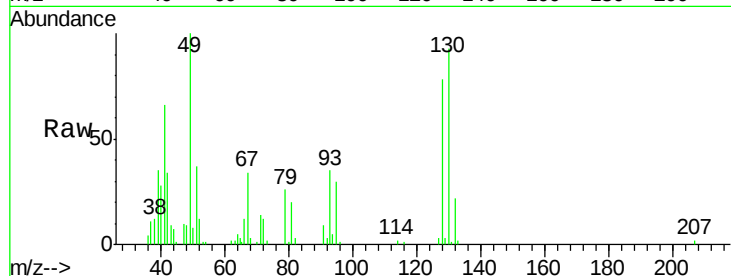
#41
Methacrylonitrile
Concen: 19.310 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	123.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

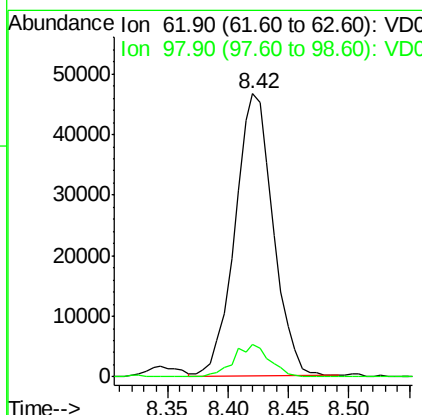
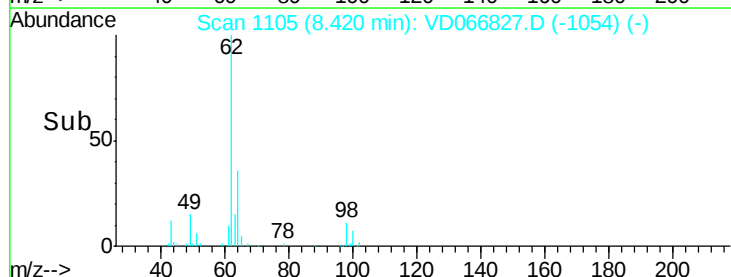
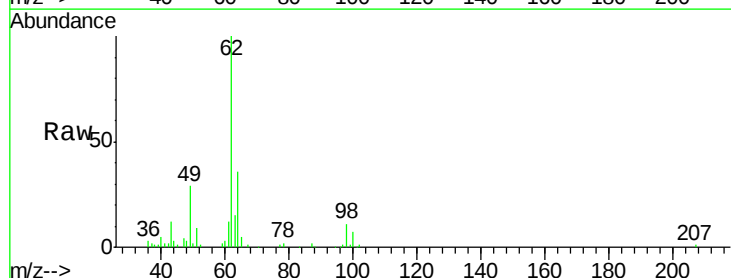
Manual Integrations
APPROVED

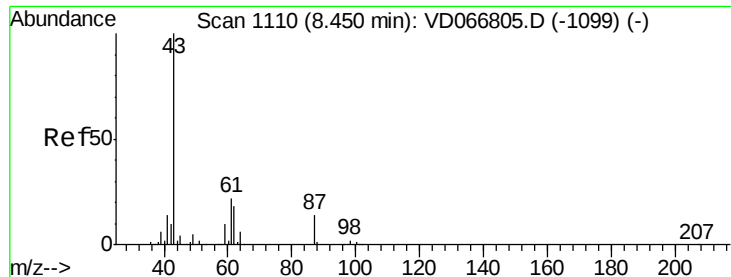
MMDadoda
9/24/2020 1:36:49 PM



#42
1,2-Dichloroethane
Concen: 19.825 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 19.204 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

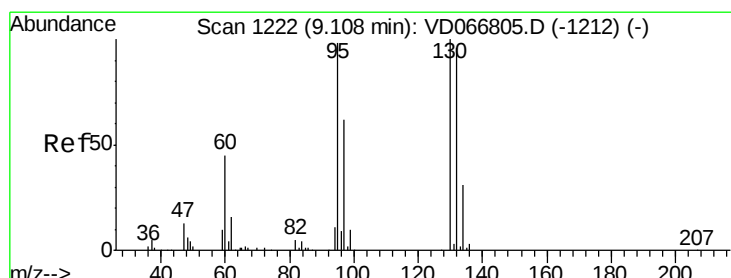
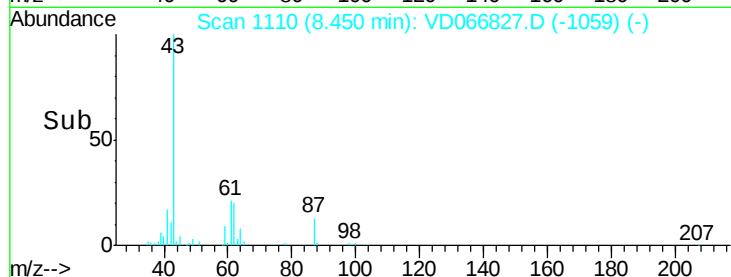
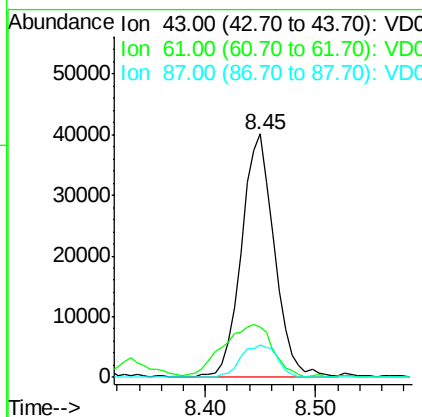
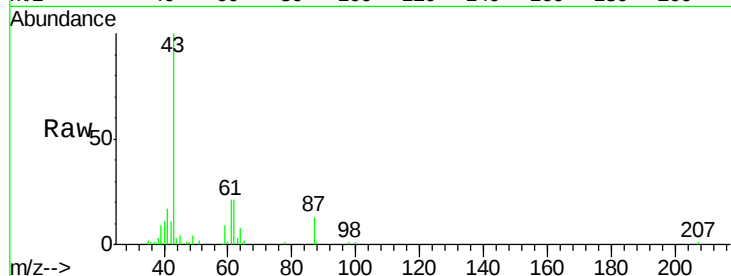
ClientSampleId :

VD0923SBS01

Tot Ion:	43	Resp:	84057
Ion	Ratio	Lower	Upper
43	100		
61	32.8	26.2	39.4
87	14.7	11.5	17.3

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#44

Trichloroethene

Concen: 21.151 ug/l

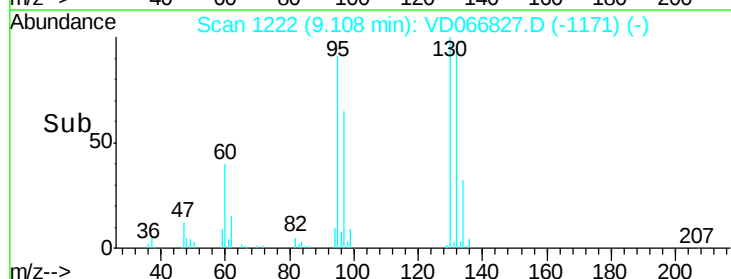
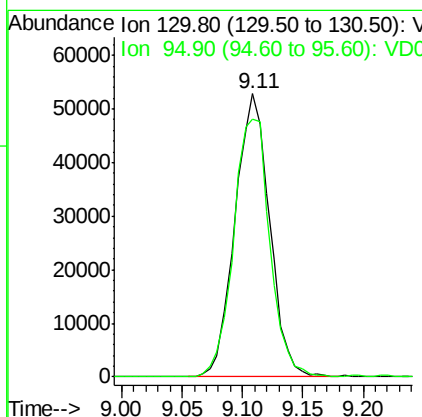
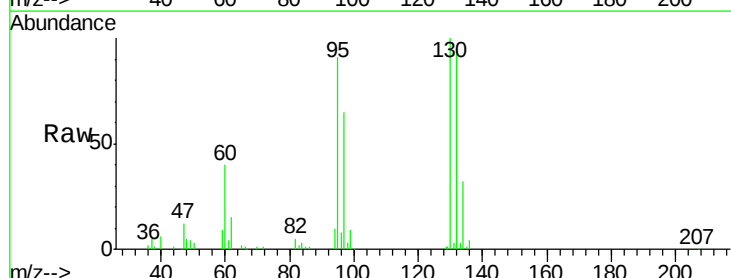
RT: 9.11 min Scan# 1222

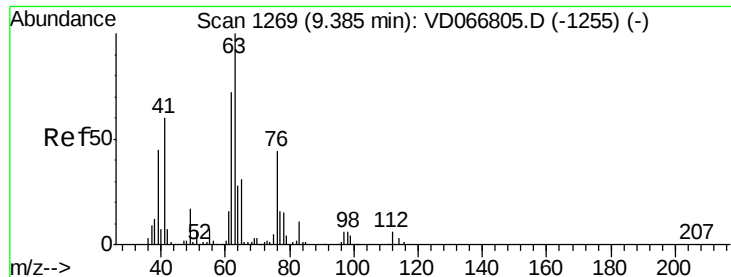
Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	130	Resp:	105515
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.890 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

Tot Ion: 63 Resp: 91991

Ion Ratio Lower Upper

63 100

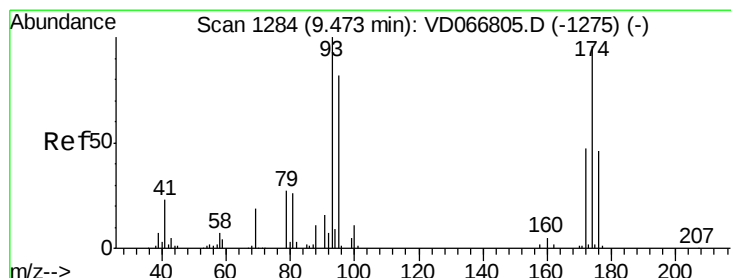
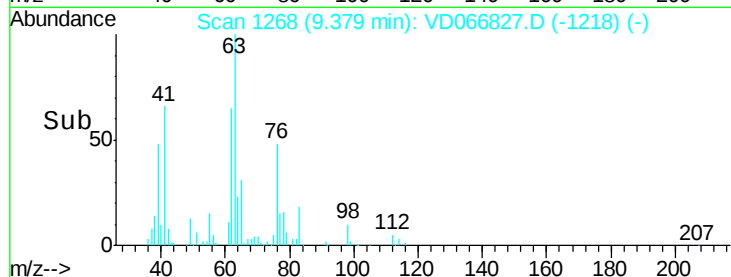
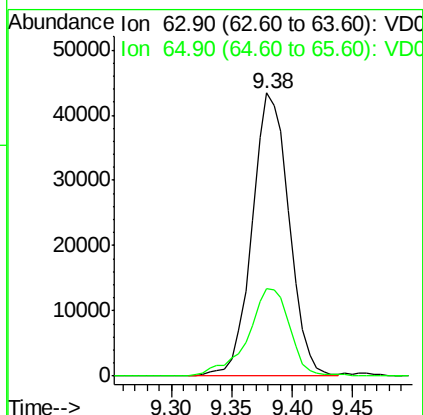
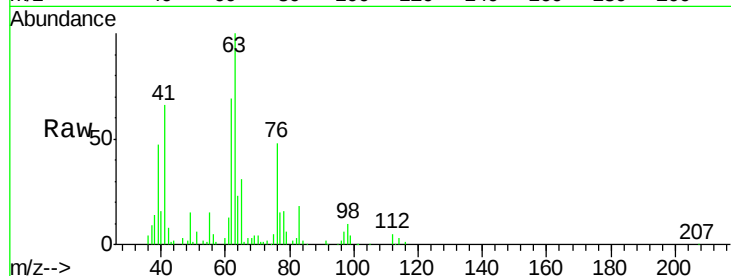
65 31.1 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:49 PM



#46

Dibromomethane

Concen: 19.896 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

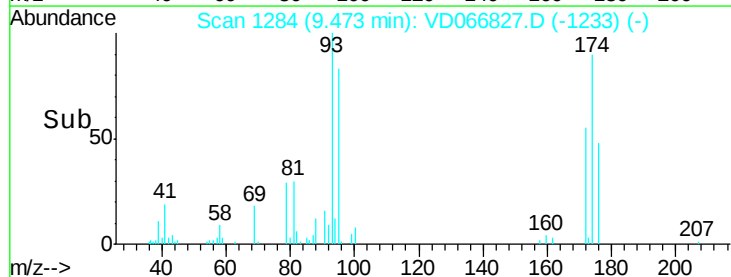
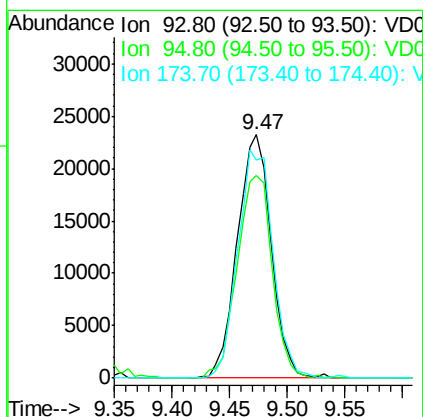
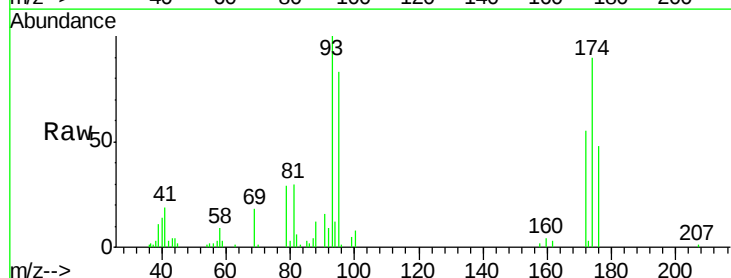
Tgt Ion: 93 Resp: 47603

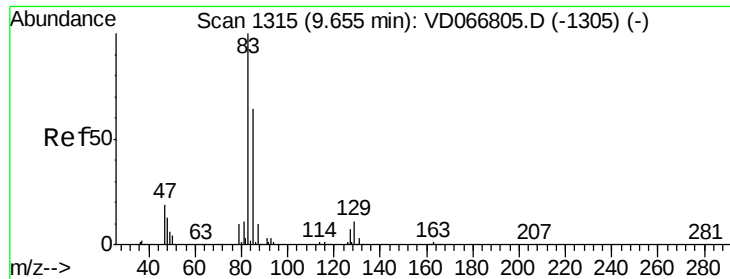
Ion Ratio Lower Upper

93 100

95 85.5 65.3 97.9

174 96.6 75.4 113.2





#47

Bromodichloromethane

Concen: 20.734 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

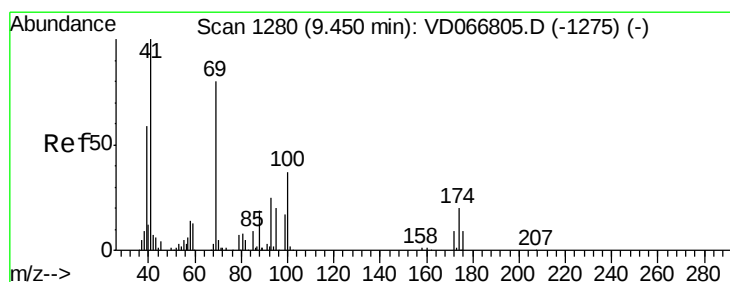
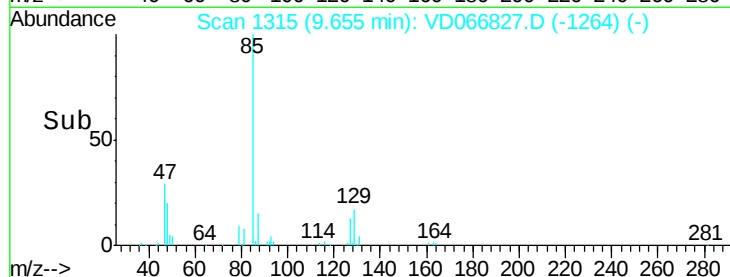
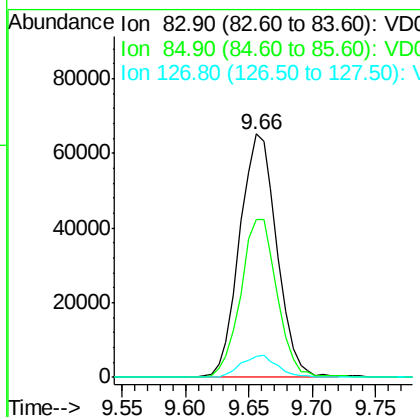
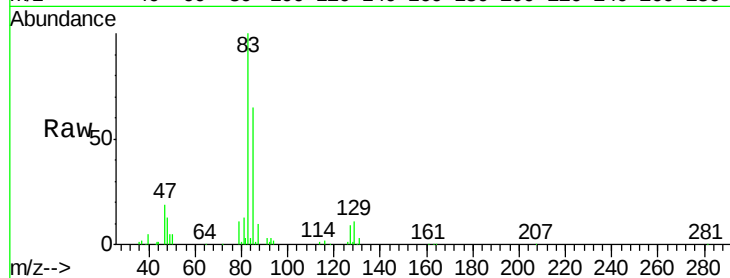
ClientSampleId :

VD0923SBSD01

Tot Ion:	83	Resp:	133258
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	8.6	5.9	8.9

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#48

Methyl methacrylate

Concen: 20.250 ug/l

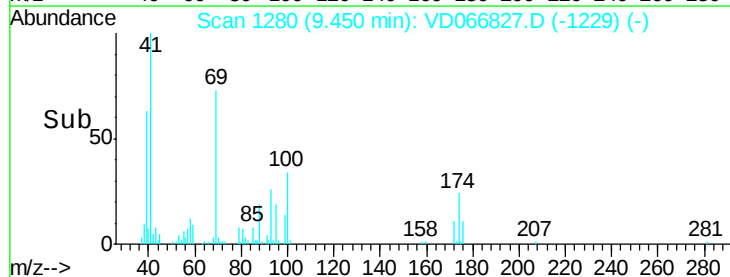
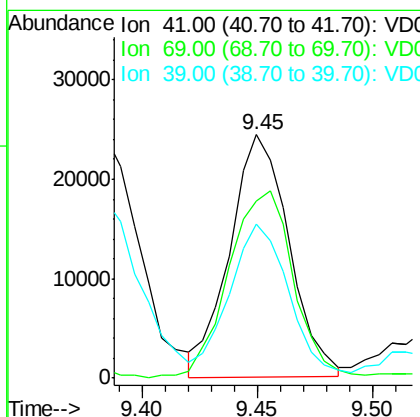
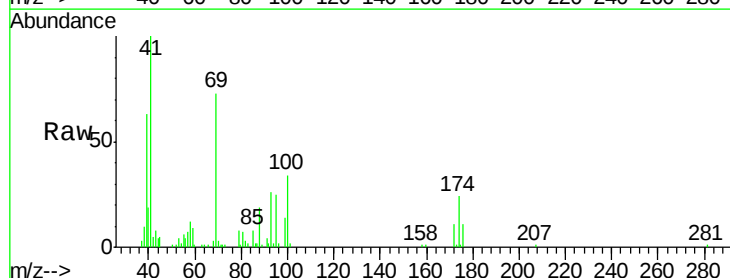
RT: 9.45 min Scan# 1280

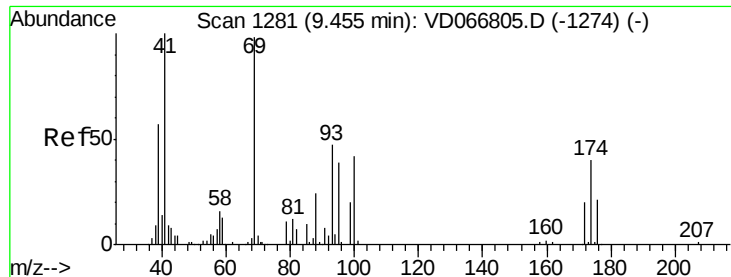
Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	41	Resp:	43699
Ion	Ratio	Lower	Upper
41	100		
69	84.5	74.5	111.7
39	59.1	47.0	70.6





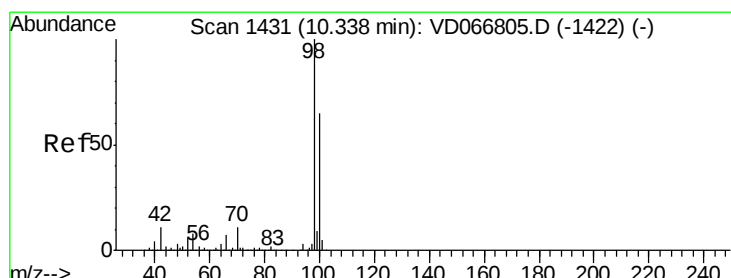
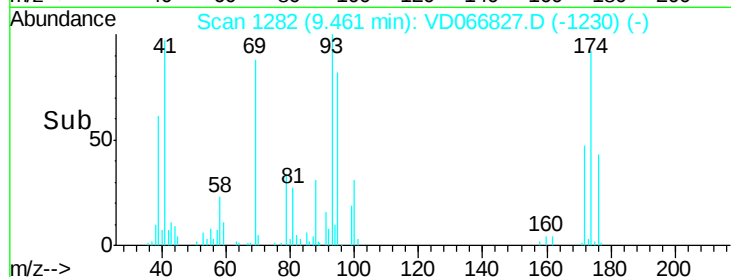
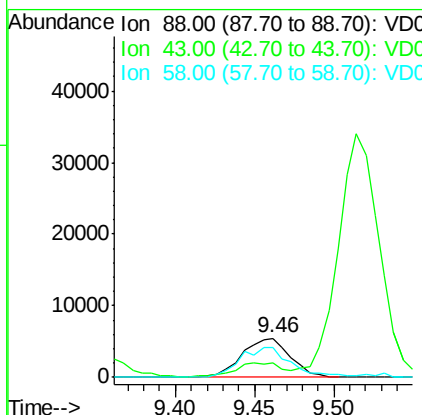
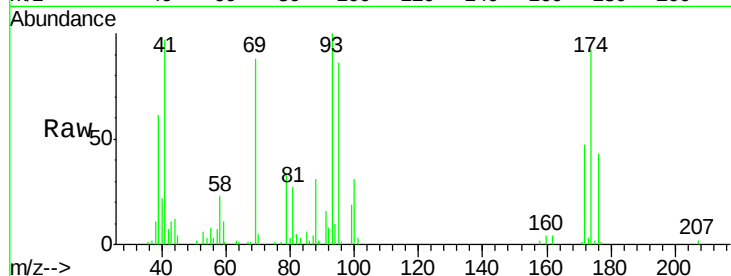
#49
1,4-Dioxane
Concen: 357.874 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	88	Resp	11518
Ion	Ratio	Lower	Upper
88	100		
43	38.0	27.7	41.5
58	81.1	55.5	83.3

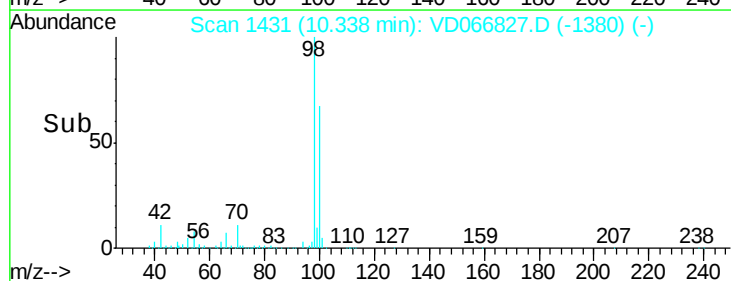
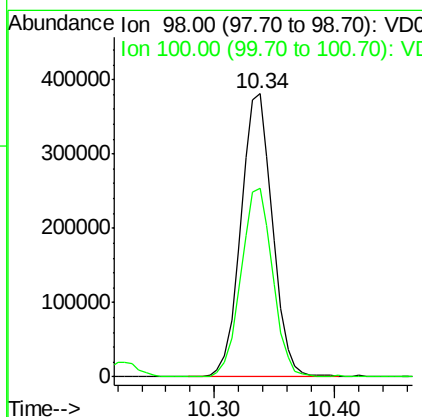
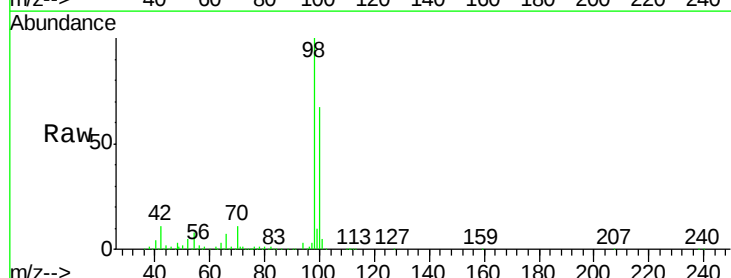
Manual Integrations
APPROVED

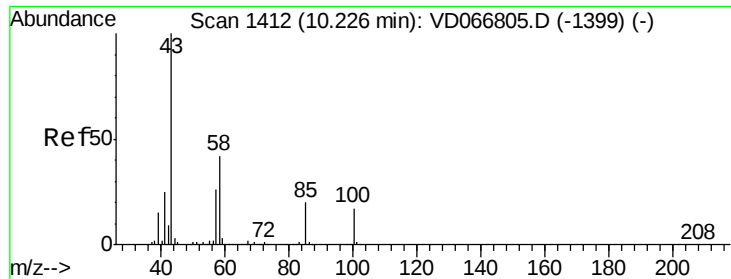
MMDadoda
9/24/2020 1:36:49 PM



#50
Toluene-d8
Concen: 50.792 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	98	Resp	696941
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 96.281 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 213534

Ion Ratio Lower Upper

43 100

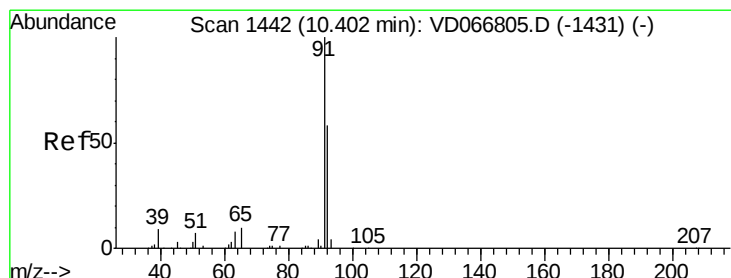
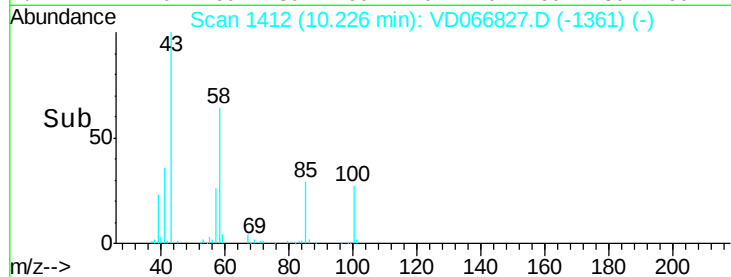
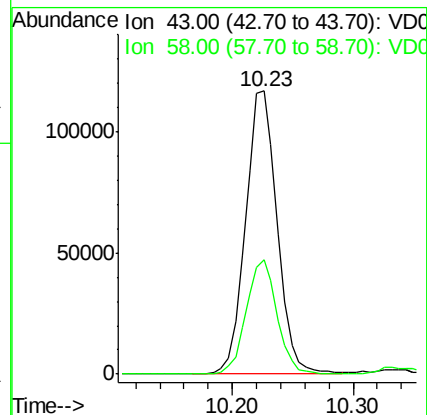
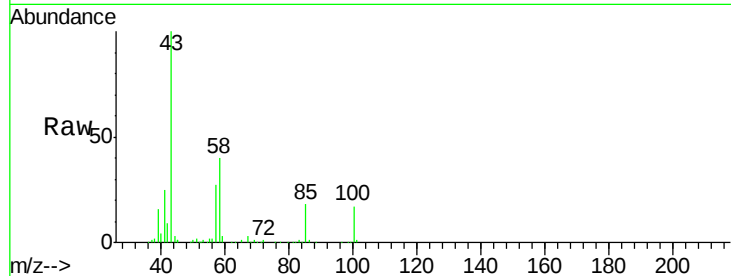
58 39.2 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:49 PM



#52

Toluene

Concen: 20.927 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066827.D

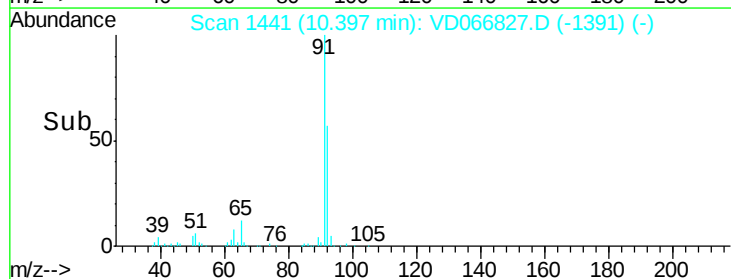
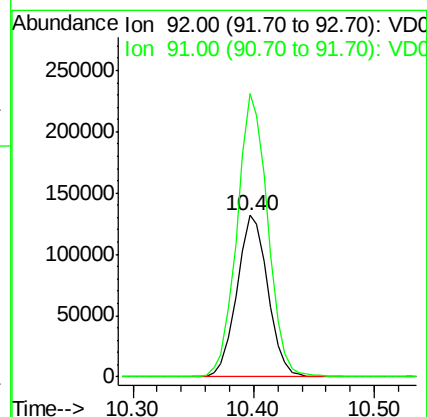
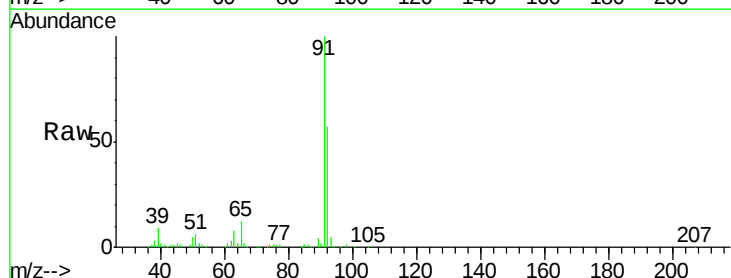
Acq: 23 Sep 2020 11:49

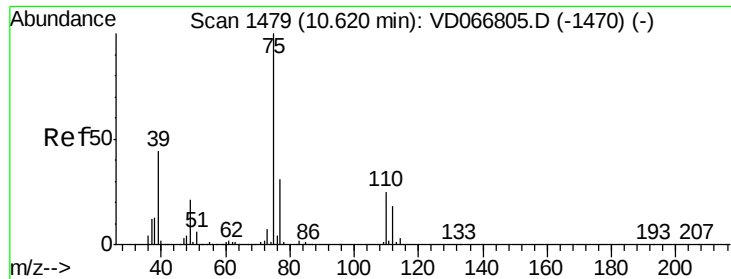
Tgt Ion: 92 Resp: 235929

Ion Ratio Lower Upper

92 100

91 174.1 134.6 202.0





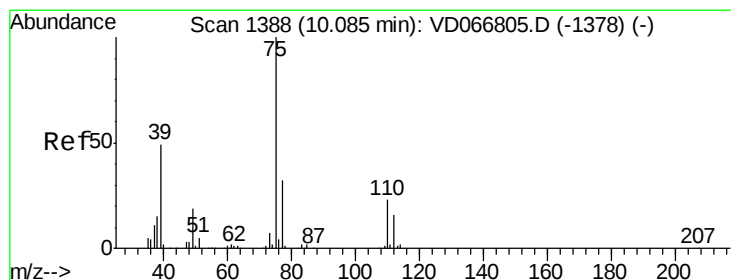
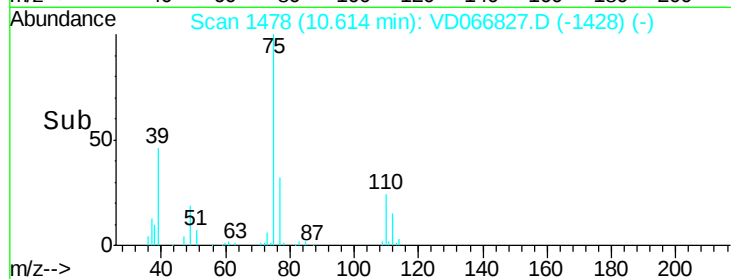
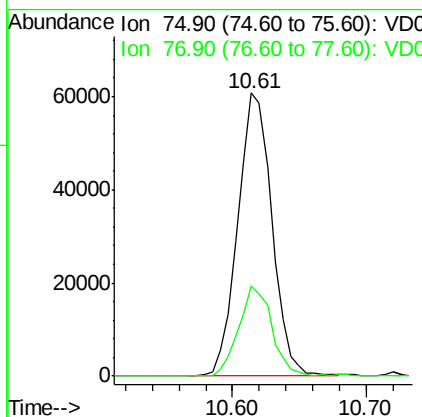
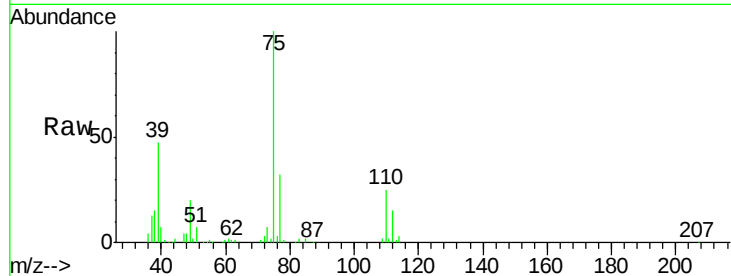
#53
 t-1,3-Dichloropropene
 Concen: 19.712 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.5	36.7

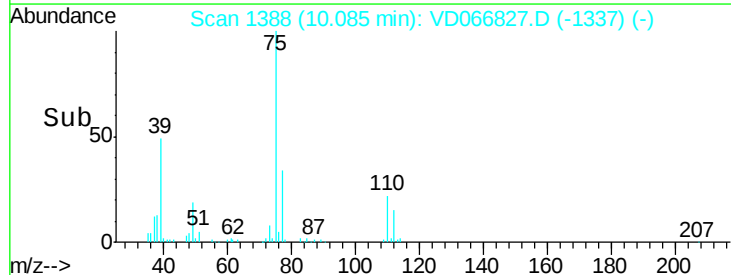
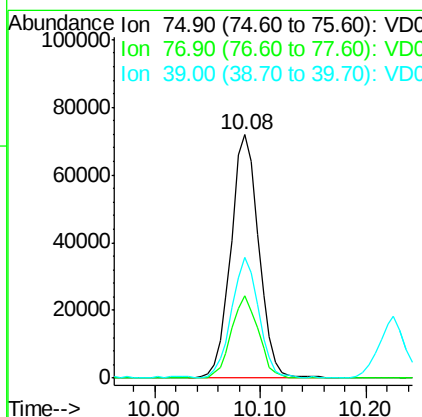
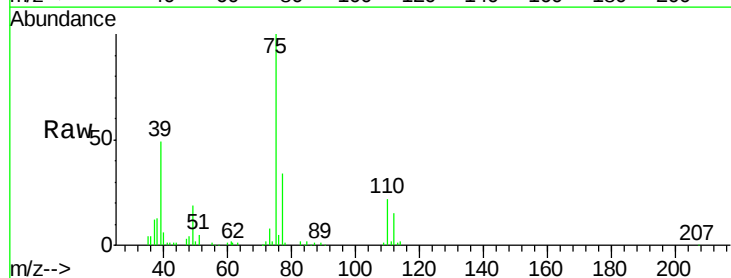
Manual Integrations
 APPROVED

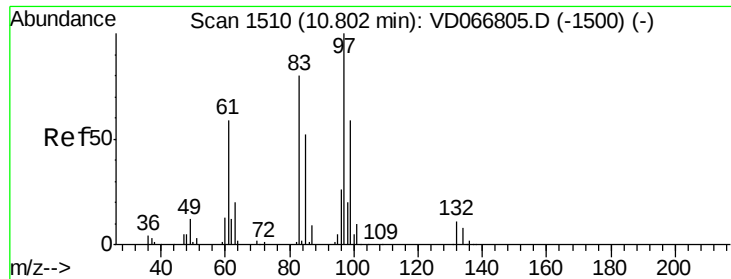
MMDadoda
 9/24/2020 1:36:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.642 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.6	38.4
39	49.4	39.2	58.8





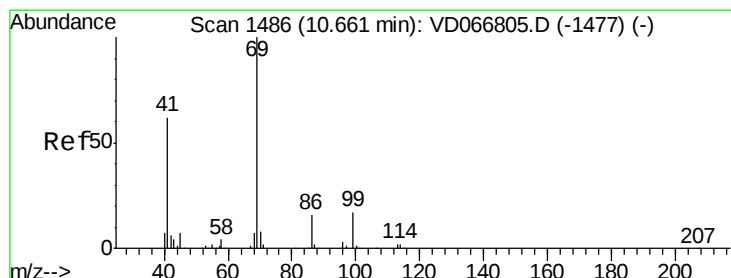
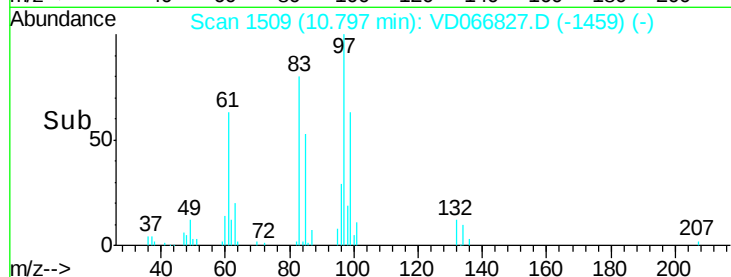
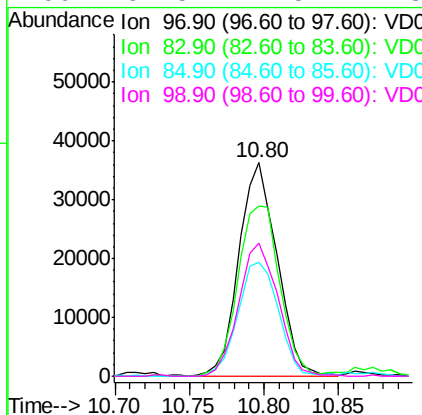
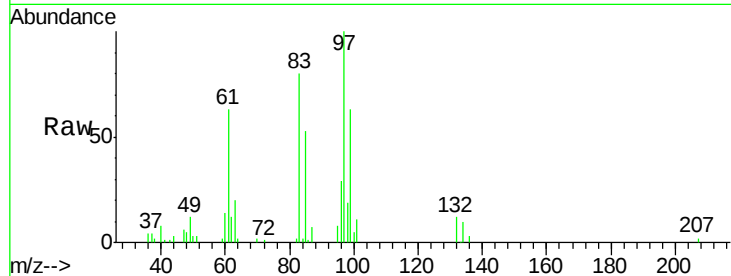
#55
 1,1,2-Trichloroethane
 Concen: 19.600 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion:	97	Resp:	64466
Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.2	96.2
85	53.1	41.9	62.9
99	62.5	47.5	71.3

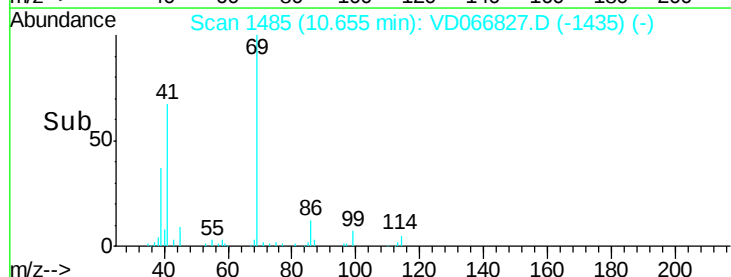
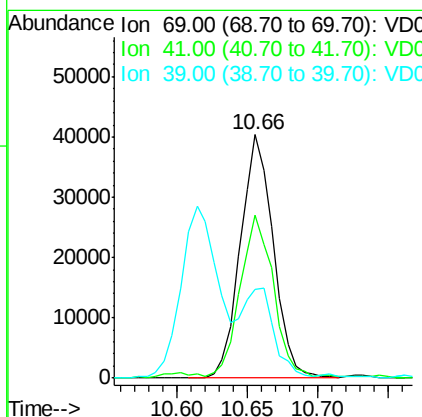
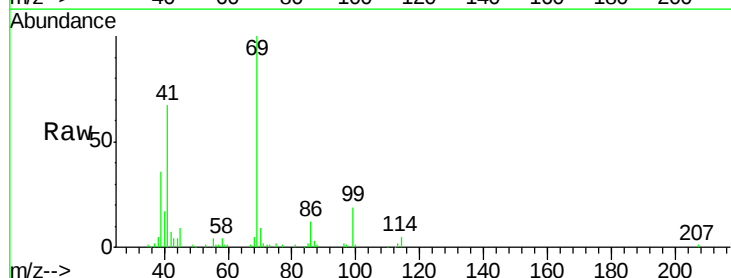
Manual Integrations
 APPROVED

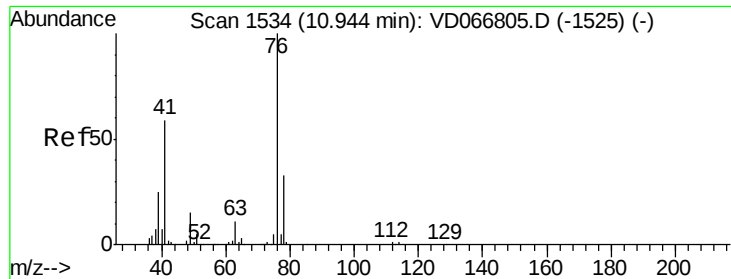
MMDadoda
 9/24/2020 1:36:49 PM



#56
 Ethyl methacrylate
 Concen: 18.698 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion:	69	Resp:	65883
Ion	Ratio	Lower	Upper
69	100		
41	67.4	52.2	78.2
39	31.0	26.6	40.0





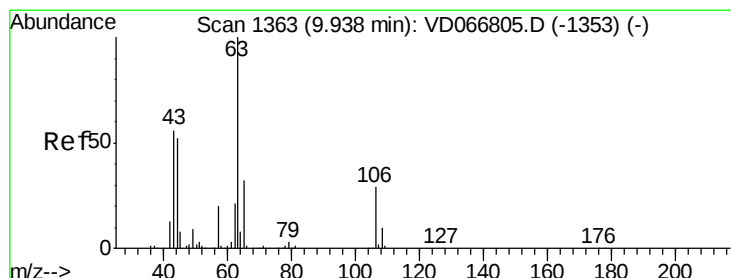
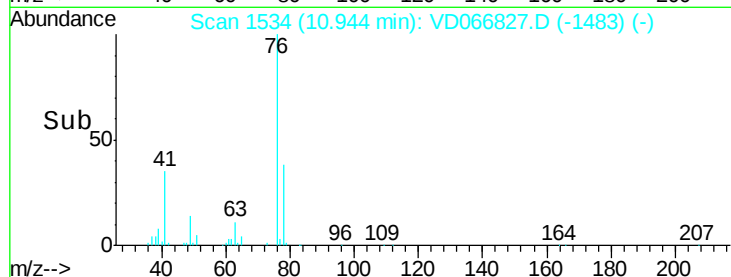
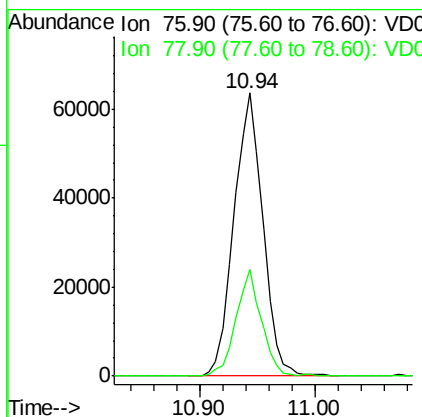
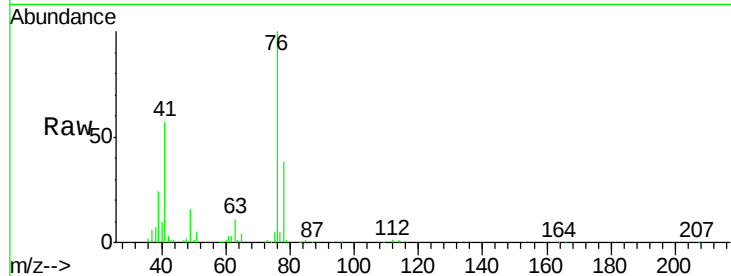
#57
 1,3-Dichloropropane
 Concen: 20.386 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

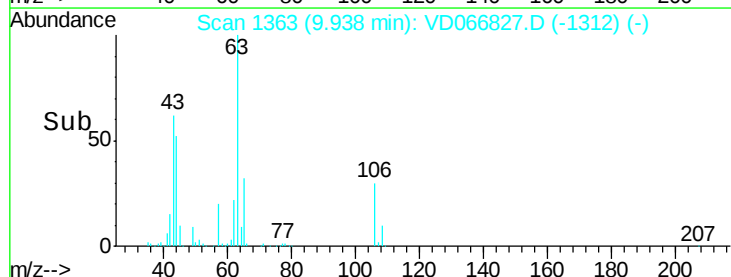
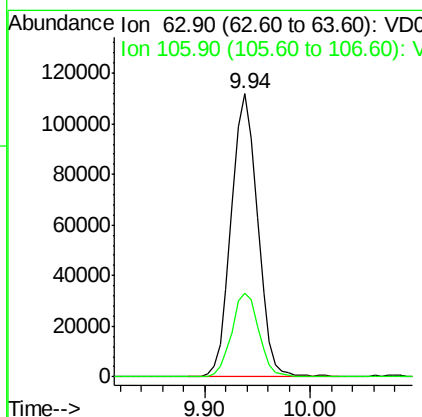
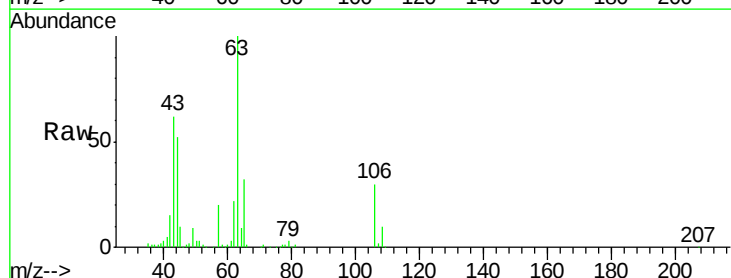
Manual Integrations
 APPROVED

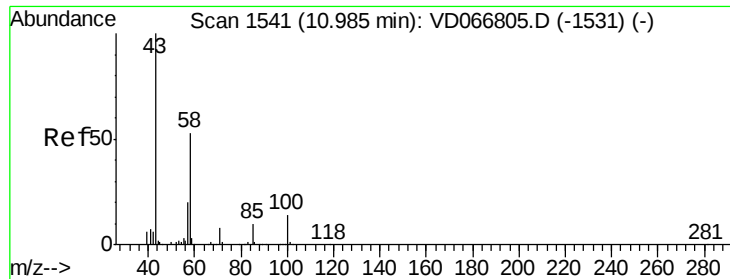
MMDadoda
 9/24/2020 1:36:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.076 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.8	35.6





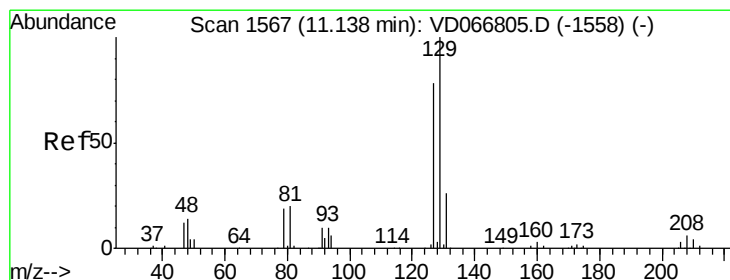
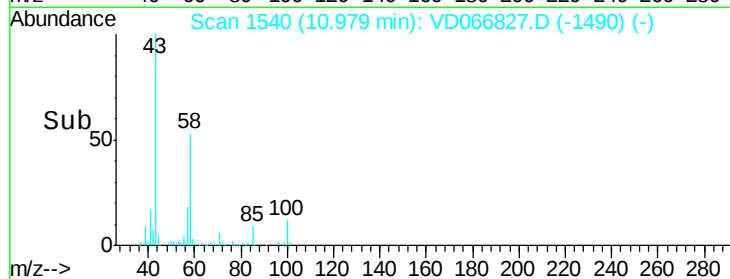
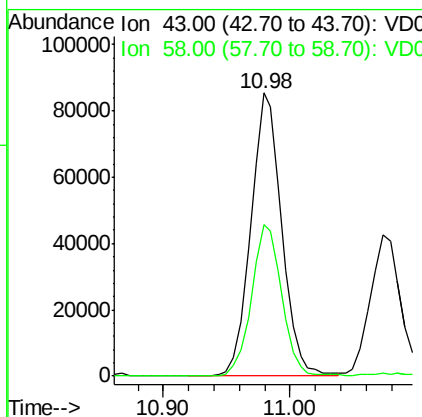
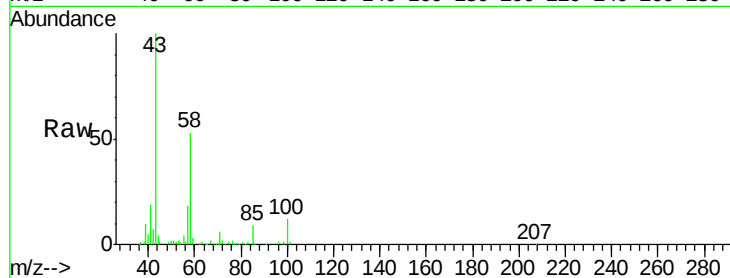
#59
2-Hexanone
Concen: 96.988 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion: 43 Resp: 145059
Ion Ratio Lower Upper
43 100
58 52.4 27.0 80.8

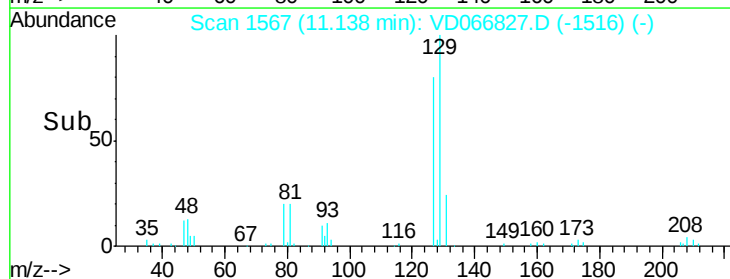
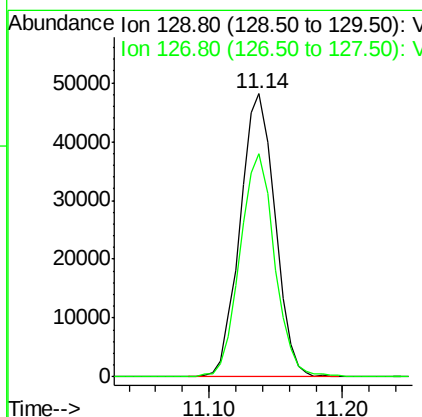
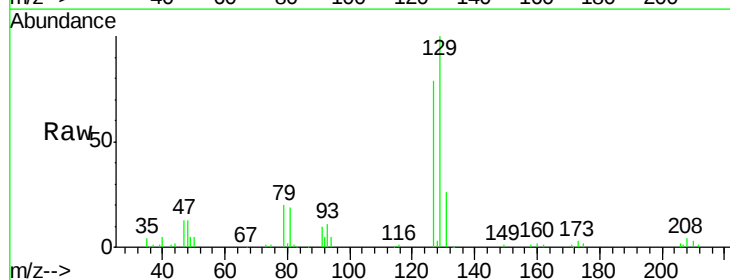
Manual Integrations
APPROVED

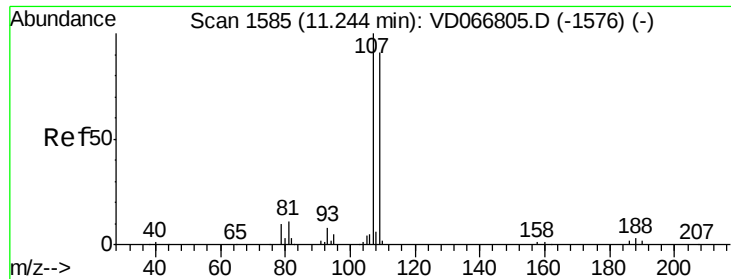
MMDadoda
9/24/2020 1:36:49 PM



#60
Dibromochloromethane
Concen: 20.245 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 129 Resp: 86907
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





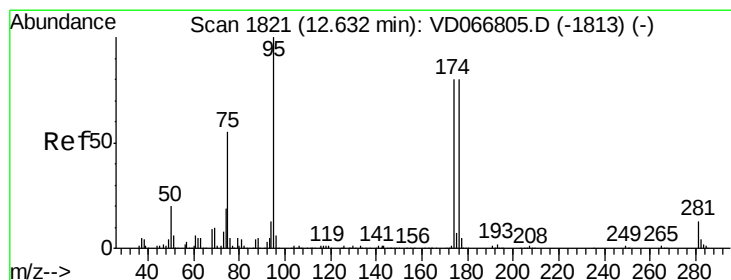
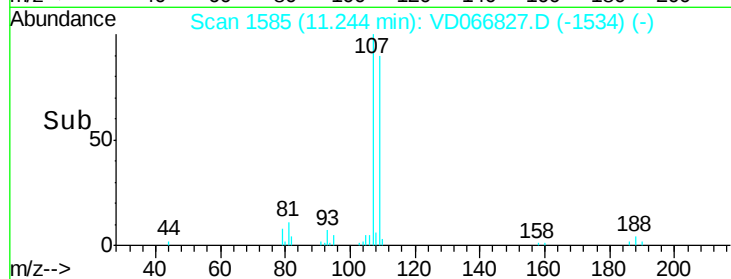
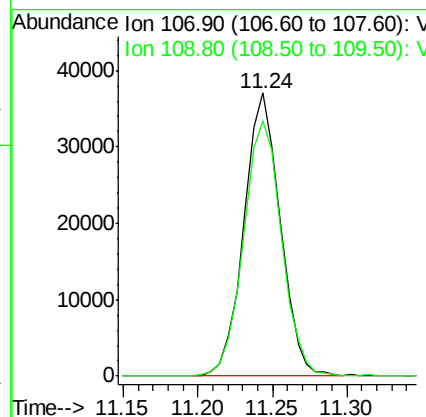
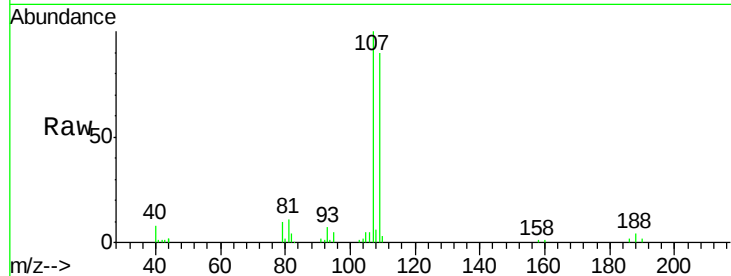
#61
 1,2-Dibromoethane
 Concen: 20.411 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion: 107 Resp: 62443
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.4

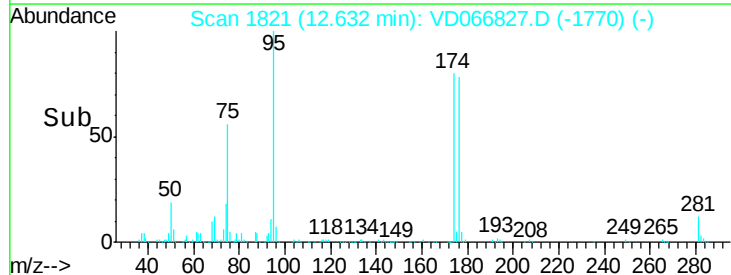
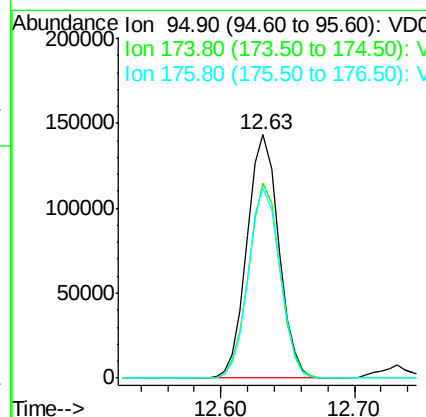
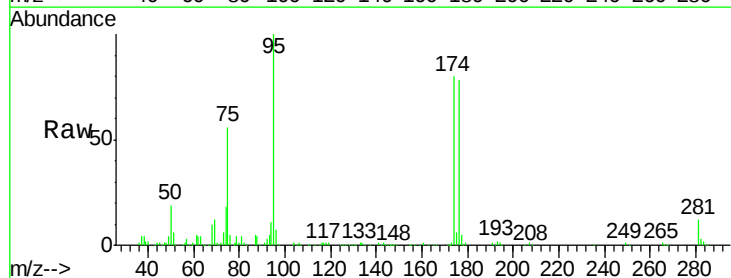
Manual Integrations
 APPROVED

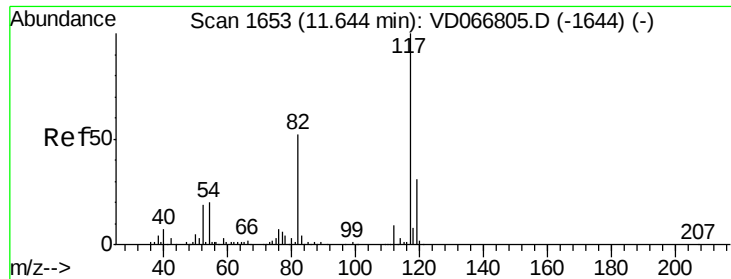
MMDadoda
 9/24/2020 1:36:49 PM



#62
 4-Bromofluorobenzene
 Concen: 50.064 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion: 95 Resp: 235165
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 159.8
 176 78.1 0.0 154.4





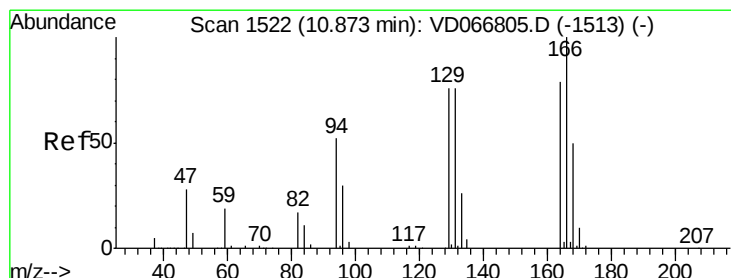
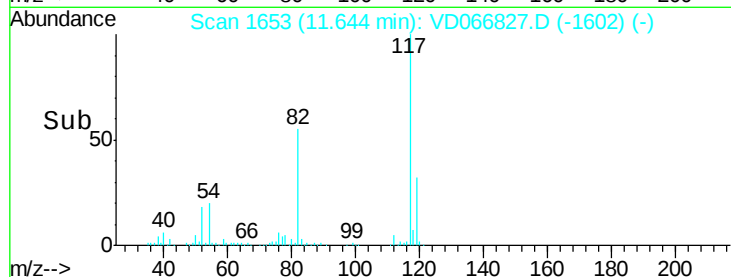
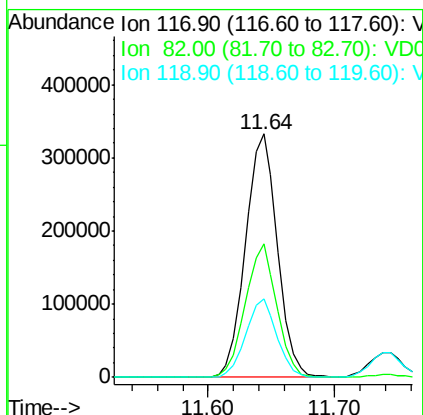
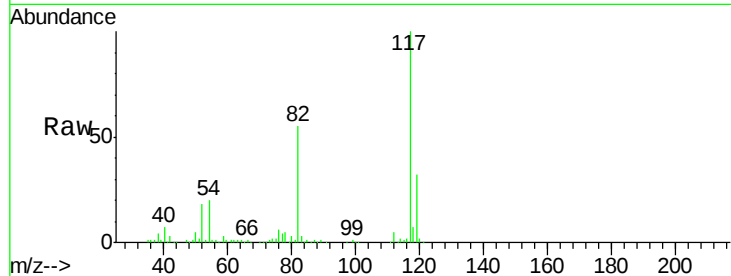
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	581175		
82	54.8		41.8	62.6
119	32.1		24.6	37.0

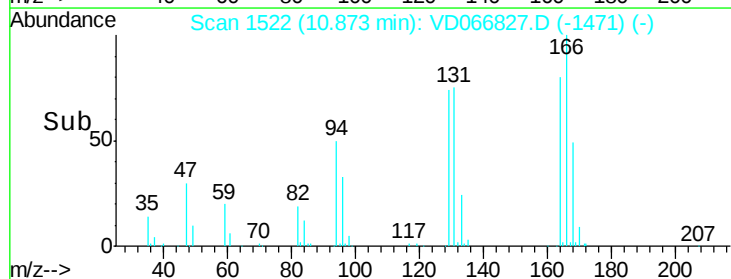
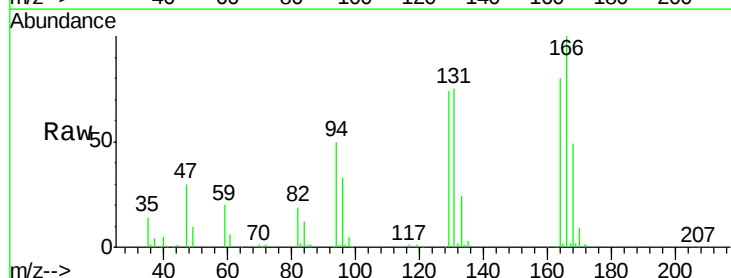
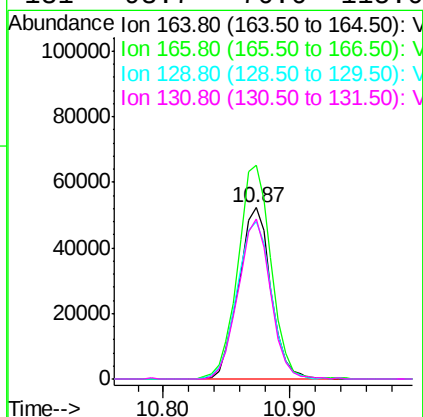
Manual Integrations
APPROVED

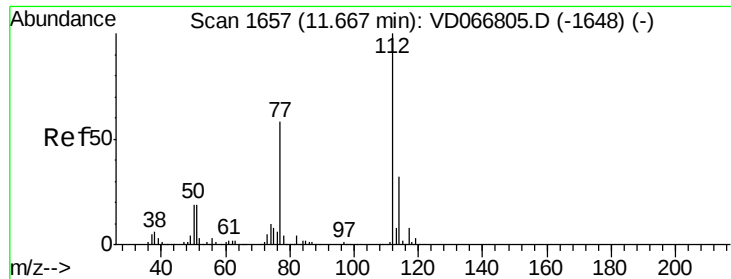
MMDadoda
9/24/2020 1:36:49 PM



#64
Tetrachloroethene
Concen: 22.175 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92700		
166	124.9		101.1	151.7
129	92.3		77.0	115.4
131	93.7		76.6	115.0





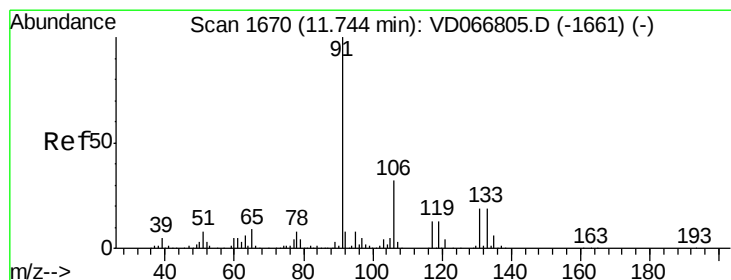
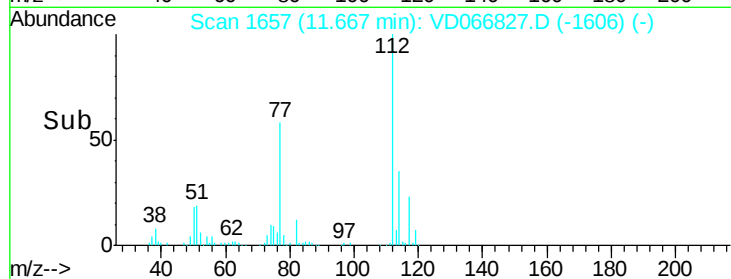
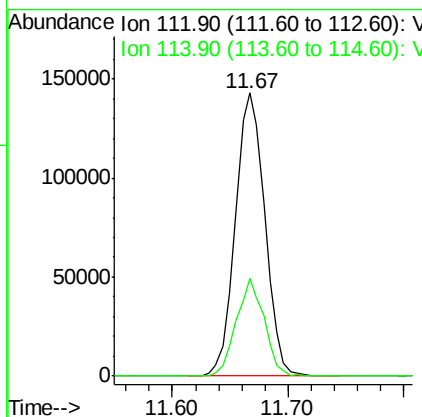
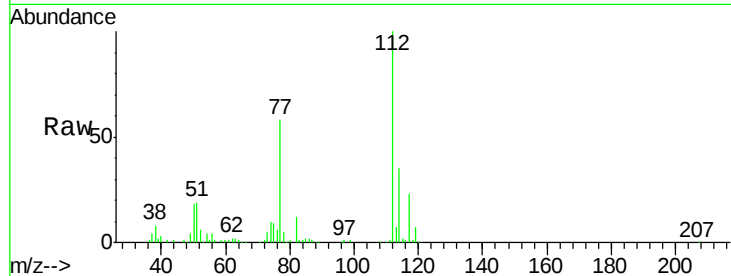
#65
Chlorobenzene
Concen: 20.809 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.7	25.4	38.2

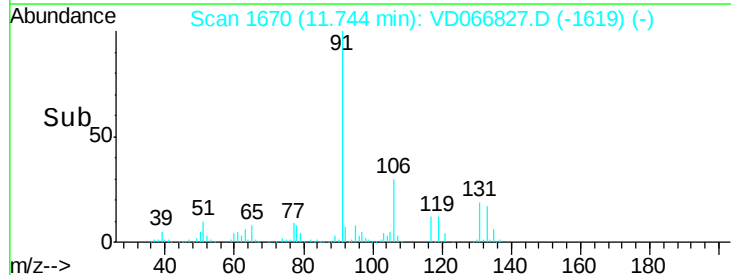
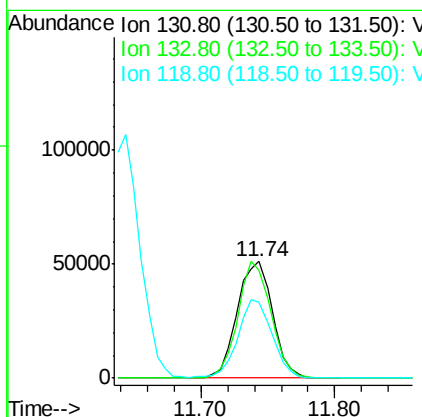
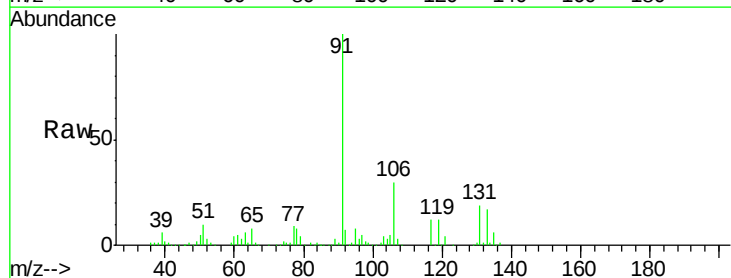
Manual Integrations
APPROVED

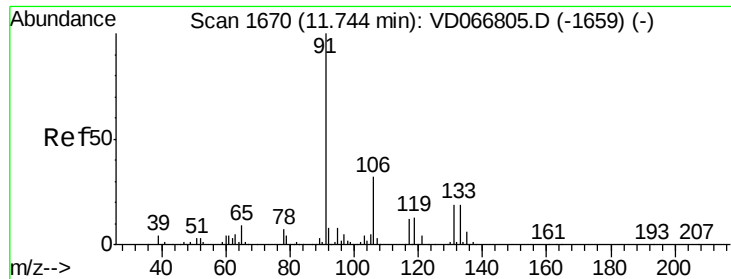
MMDadoda
9/24/2020 1:36:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.488 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	46.7	140.1
119	64.6	32.3	96.9





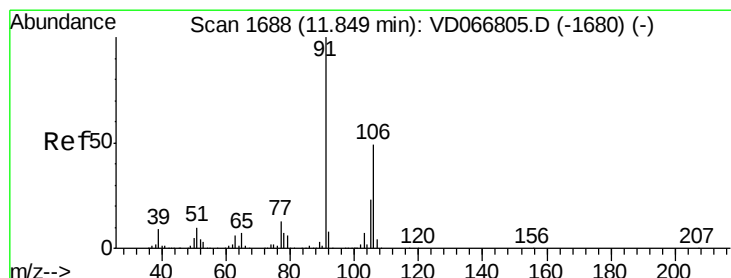
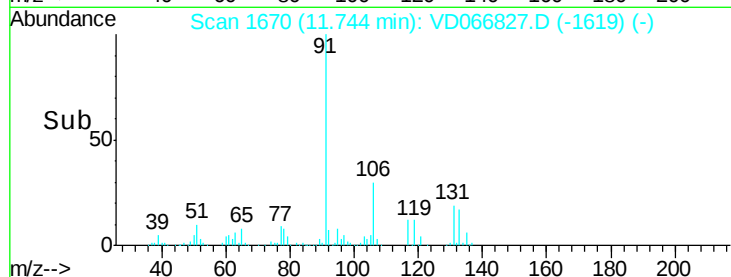
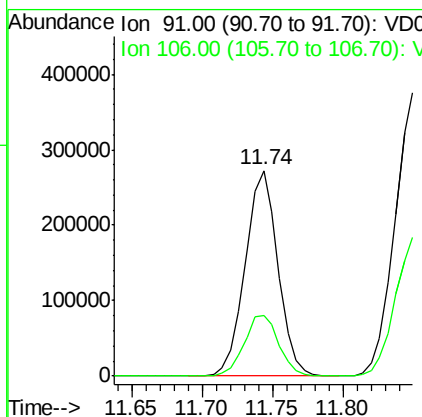
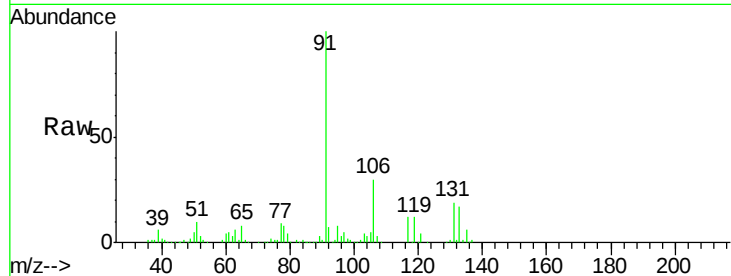
#67
Ethyl Benzene
Concen: 20.884 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 91 Resp: 443717
Ion Ratio Lower Upper
91 100
106 29.6 25.6 38.4

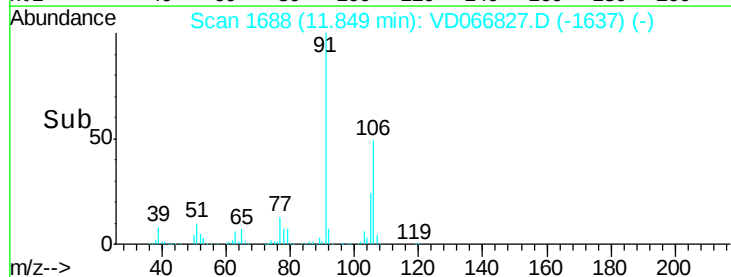
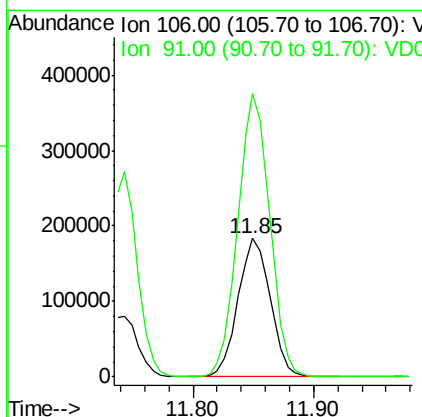
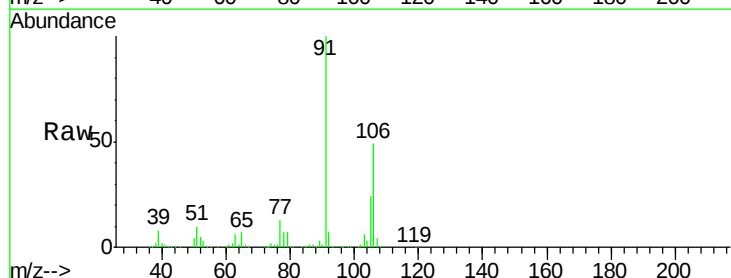
Manual Integrations
APPROVED

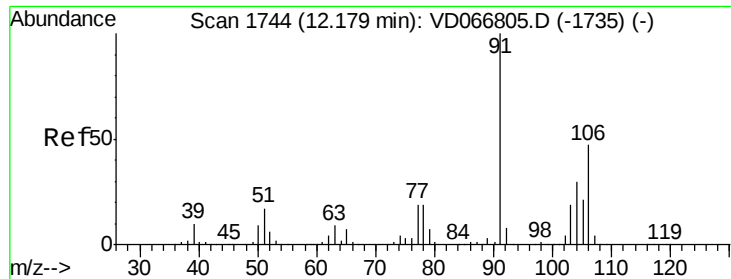
MMDadoda
9/24/2020 1:36:49 PM



#68
m/p-Xylenes
Concen: 42.604 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 106 Resp: 342726
Ion Ratio Lower Upper
106 100
91 202.6 160.7 241.1





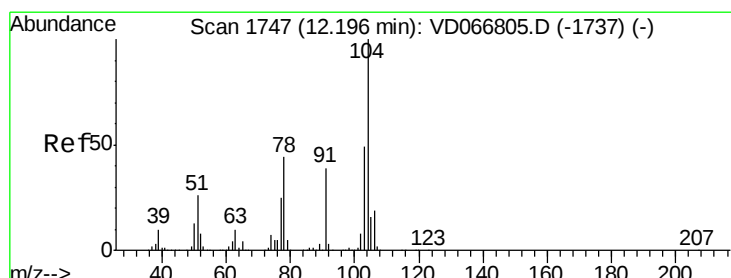
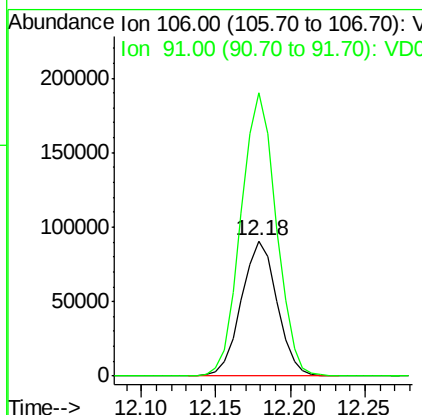
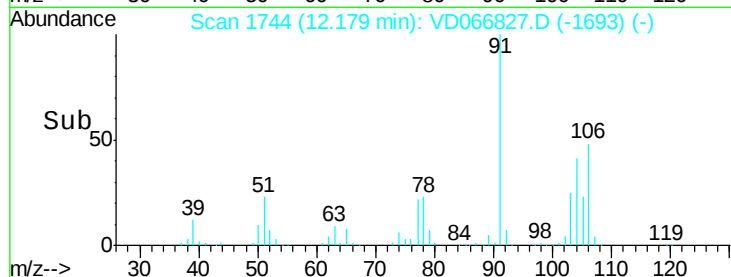
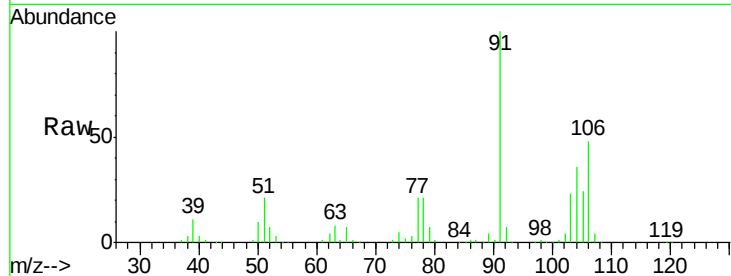
#69
o-Xylene
Concen: 20.639 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.7	106.3	318.8

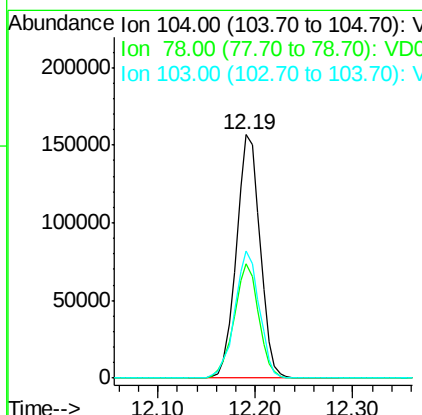
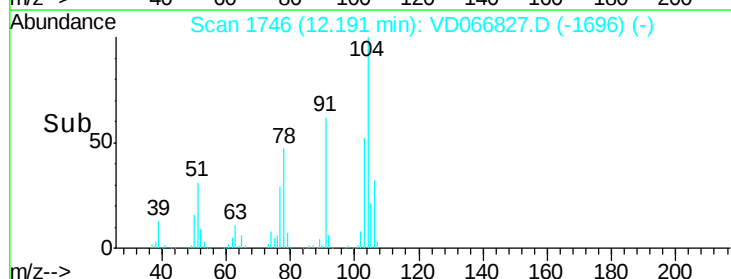
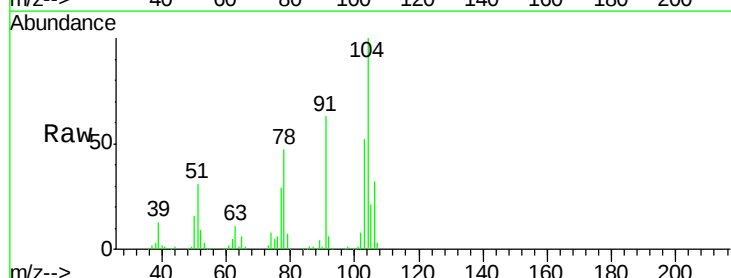
Manual Integrations
APPROVED

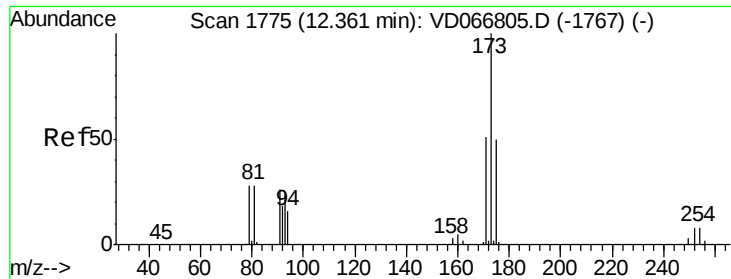
MMDadoda
9/24/2020 1:36:49 PM



#70
Styrene
Concen: 20.933 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.9	58.3
103	53.9	43.2	64.8





#71

Bromoform

Concen: 19.789 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

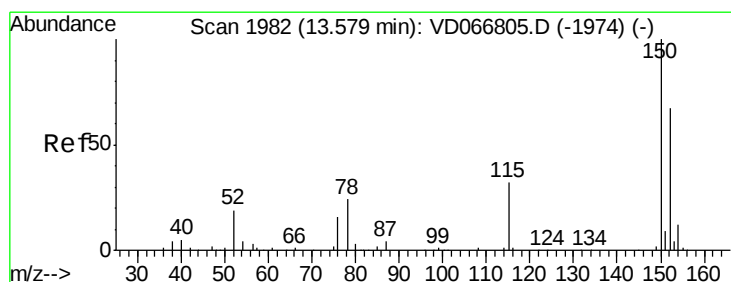
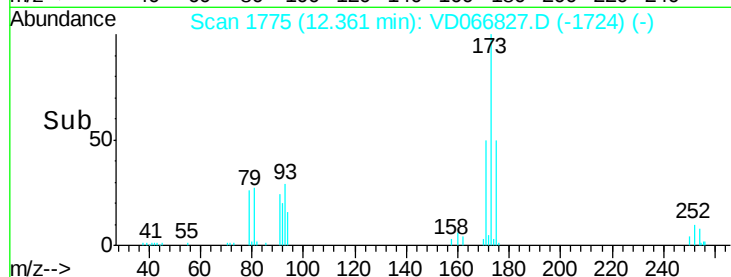
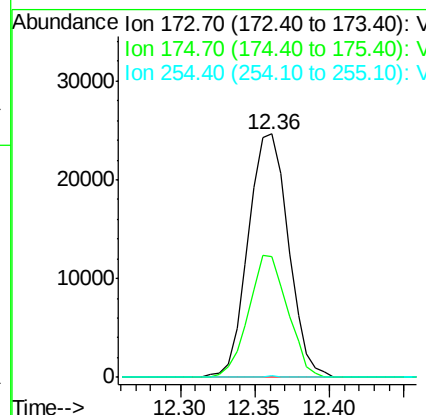
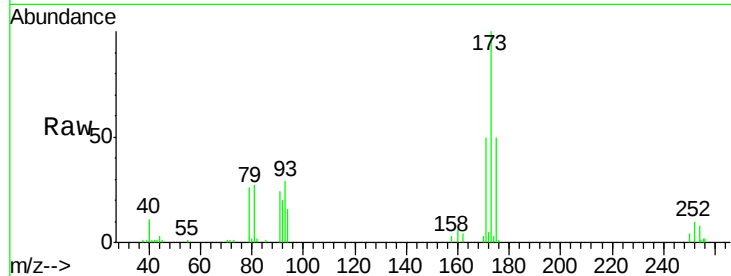
ClientSampleId :

VD0923SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

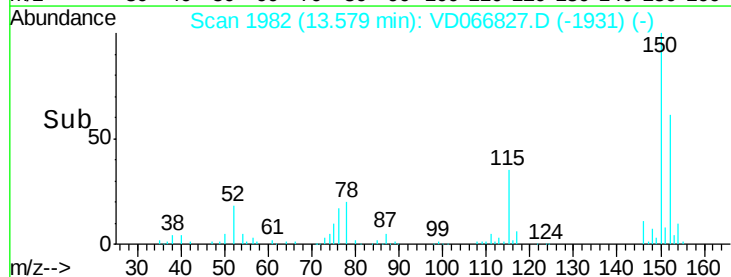
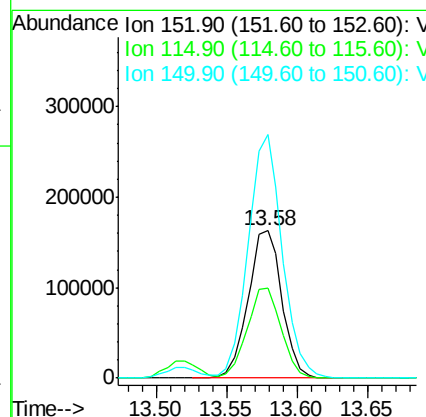
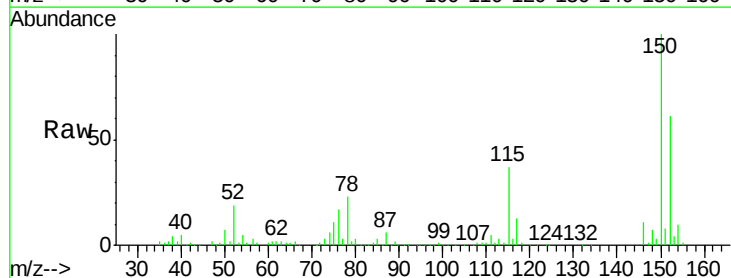
RT: 13.58 min Scan# 1982

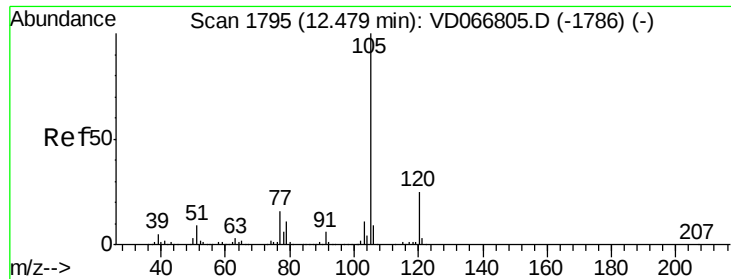
Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.3	91.0
150	166.4	0.0	346.2





#73

Isopropylbenzene

Concen: 21.287 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:105 Resp: 418972

Ion Ratio Lower Upper

105 100

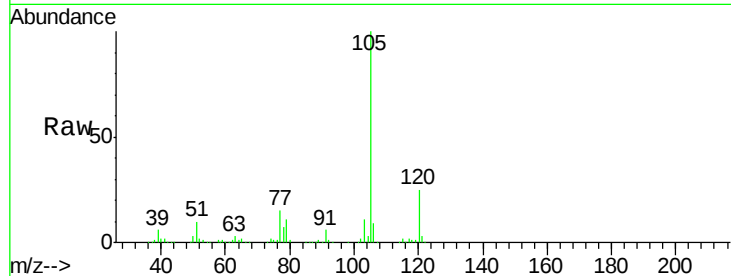
120 26.1 12.9 38.6

Manual Integrations

APPROVED

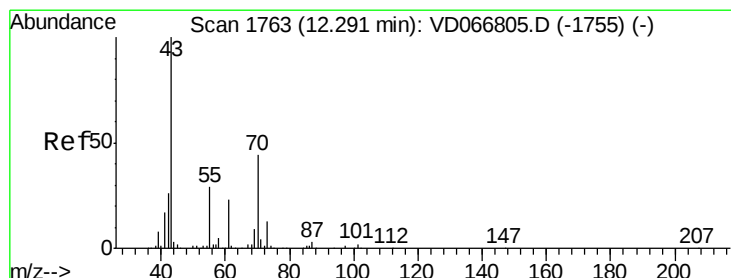
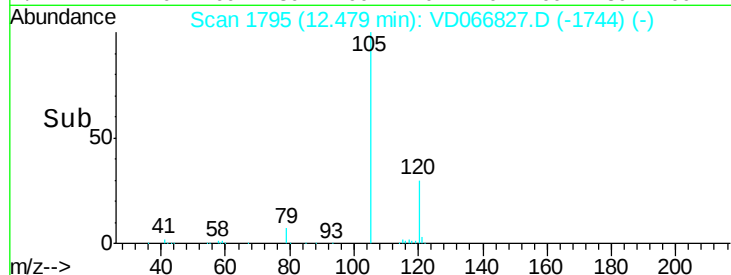
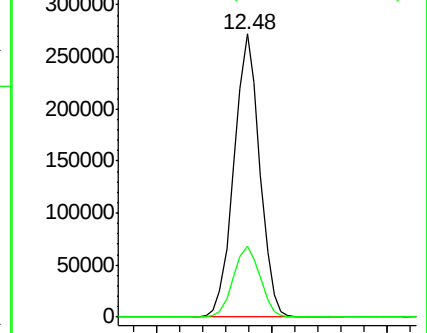
MMDadoda

9/24/2020 1:36:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.298 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion: 43 Resp: 74172

Ion Ratio Lower Upper

43 100

70 45.3 36.1 54.1

55 30.7 21.8 32.8

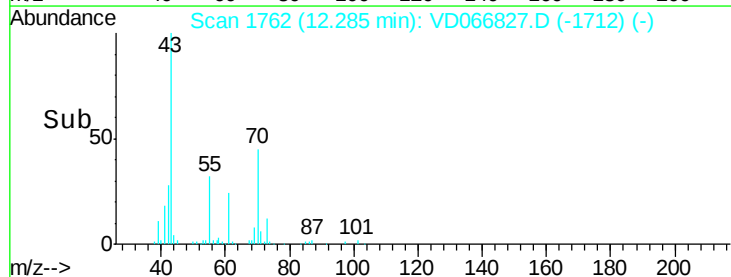
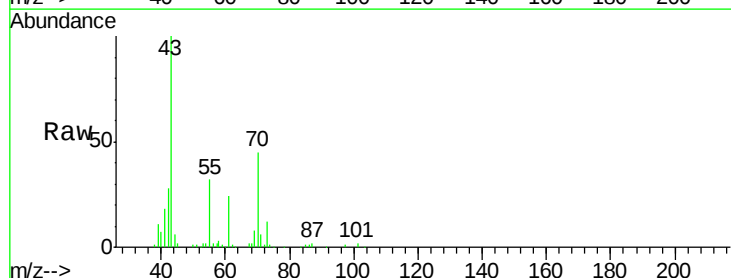
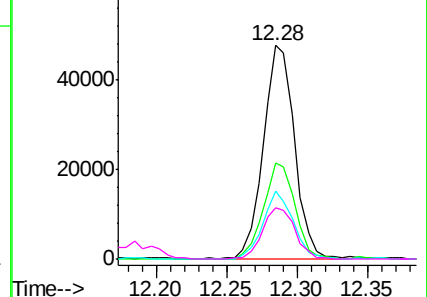
61 24.9 19.0 28.4

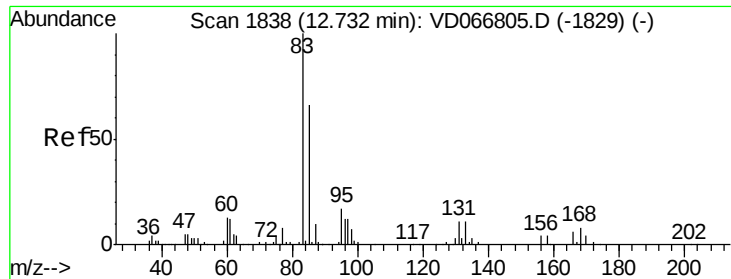
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.393 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

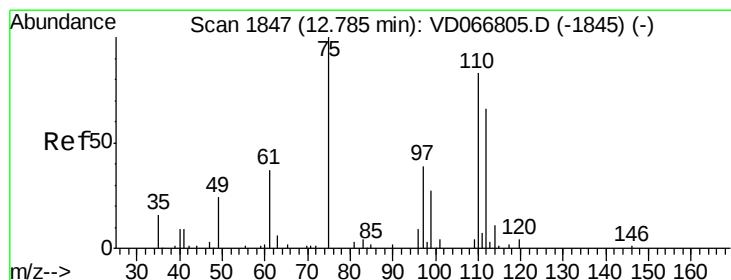
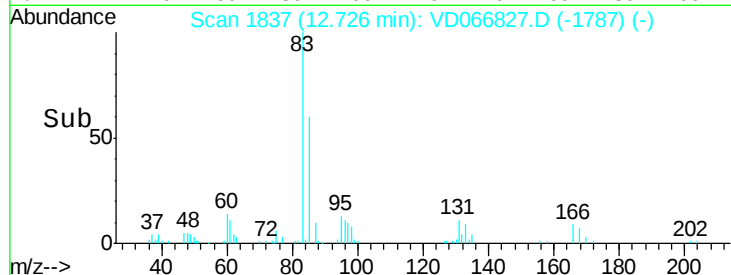
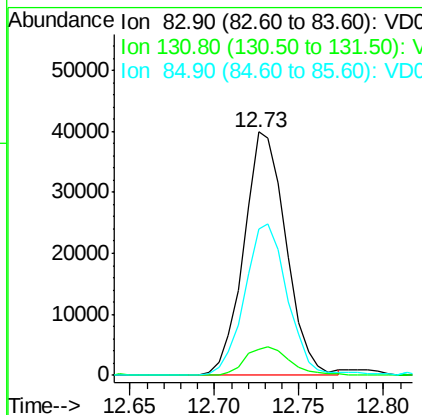
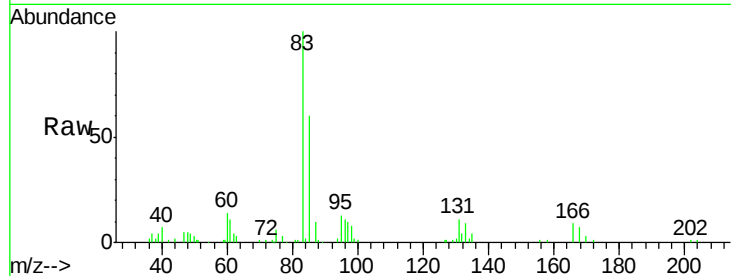
ClientSampleId :

VD0923SBSD01

Tot Ion:	83	Resp:	69260
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.5	16.7
85	62.9	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#76

1,2,3-Trichloropropane

Concen: 22.925 ug/l m

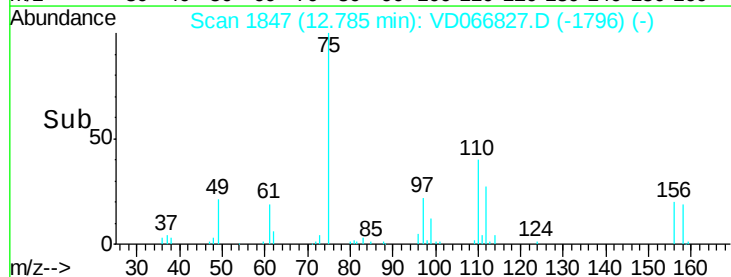
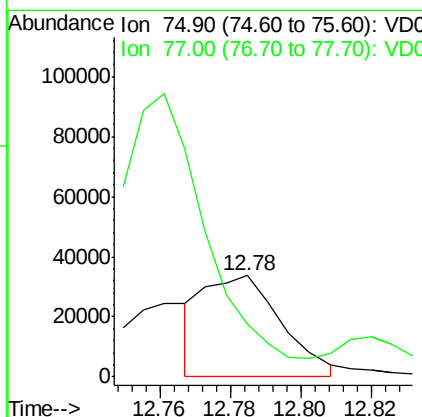
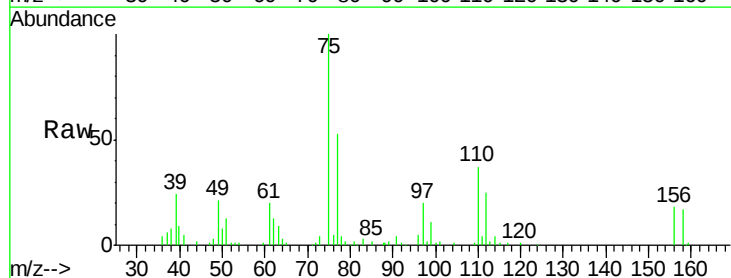
RT: 12.78 min Scan# 1847

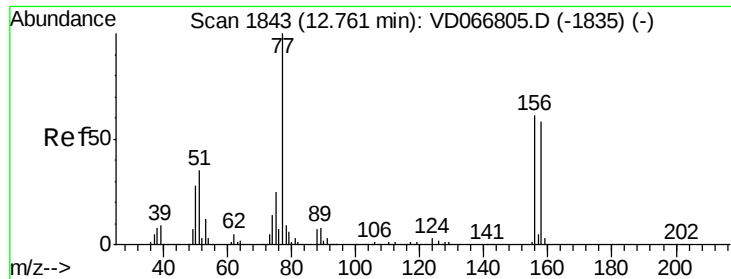
Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	75	Resp:	51761
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.164 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:156 Resp: 97422

Ion Ratio Lower Upper

156 100

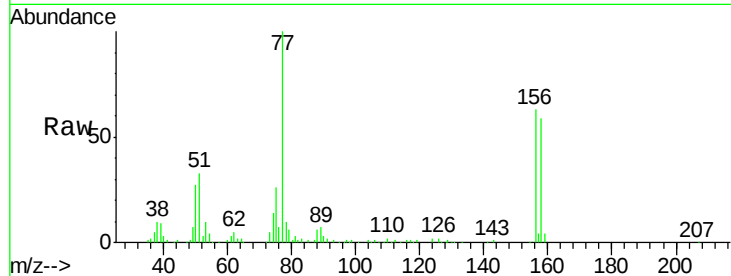
77 181.5 92.3 276.9

158 98.7 47.6 142.9

Manual Integrations
APPROVED

MMDadoda

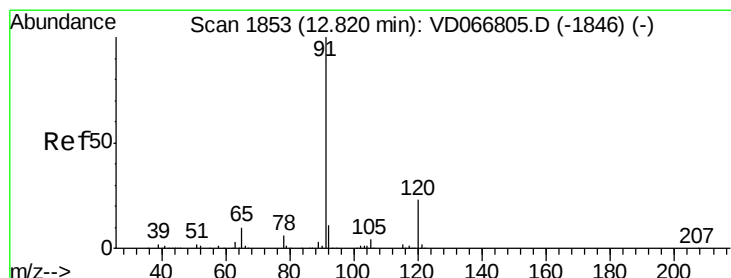
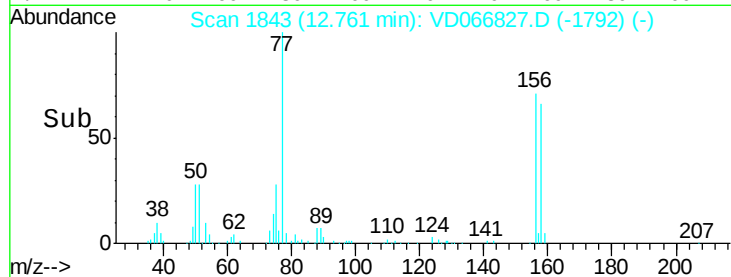
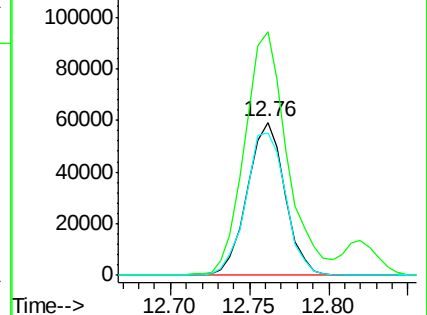
9/24/2020 1:36:49 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.798 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066827.D

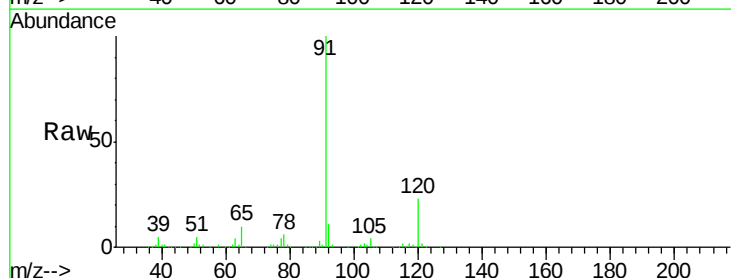
Acq: 23 Sep 2020 11:49

Tgt Ion: 91 Resp: 516141

Ion Ratio Lower Upper

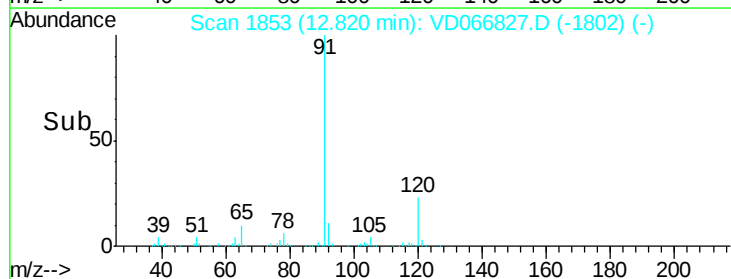
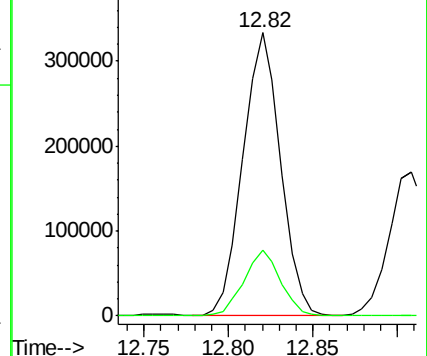
91 100

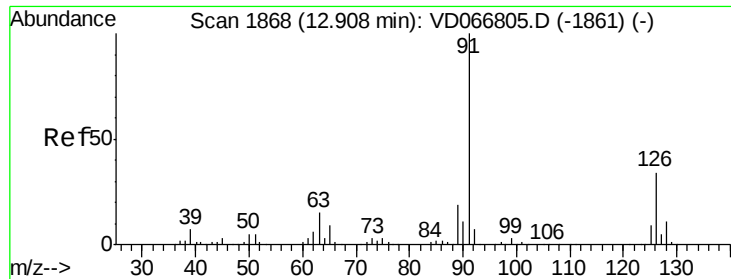
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





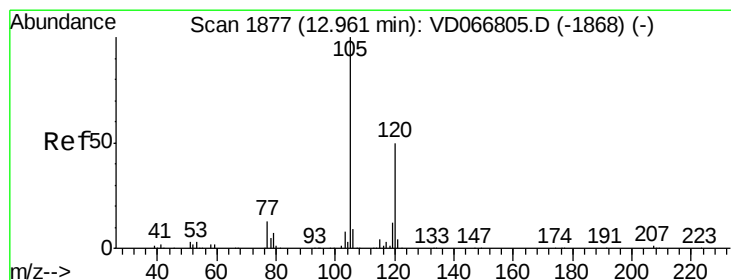
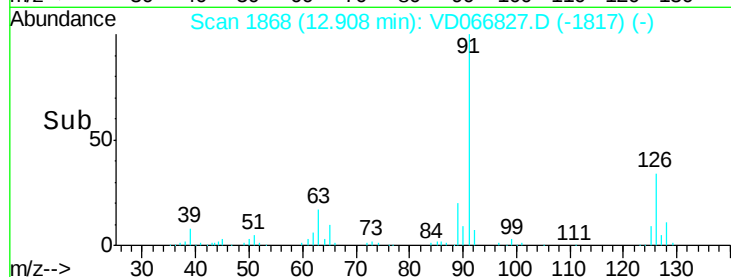
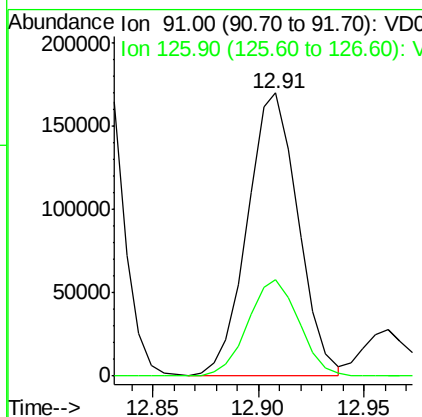
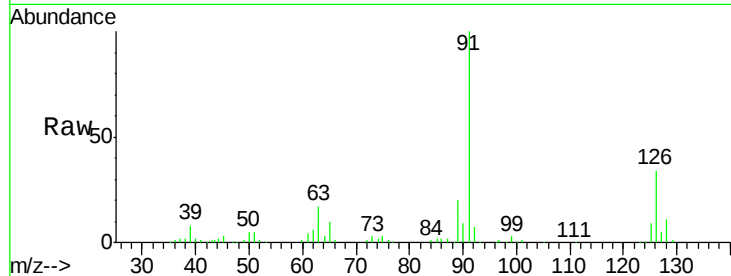
#79
 2-Chlorotoluene
 Concen: 20.994 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion: 91 Resp: 283281
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.0 51.0

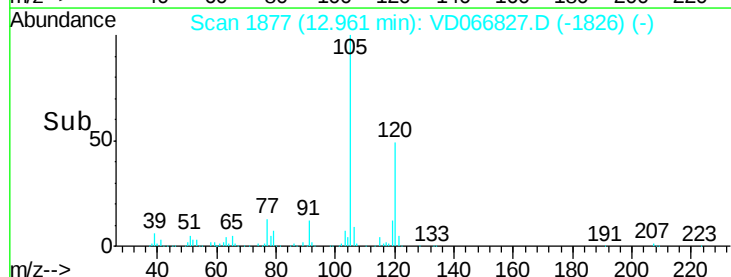
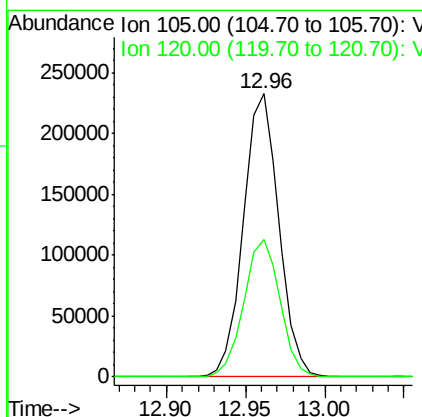
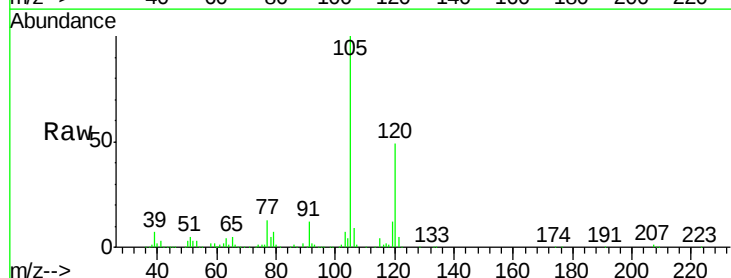
Manual Integrations
 APPROVED

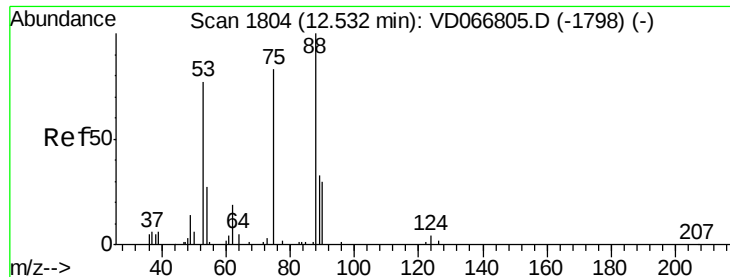
MMDadoda
 9/24/2020 1:36:49 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.619 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion: 105 Resp: 361038
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.480 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

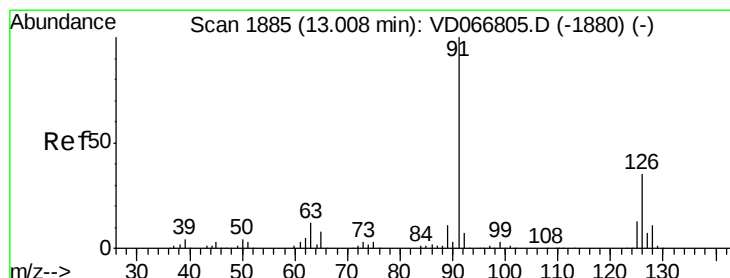
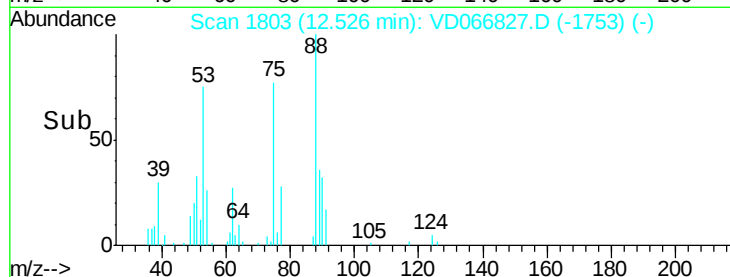
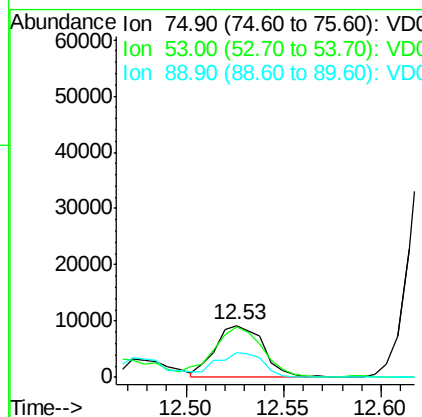
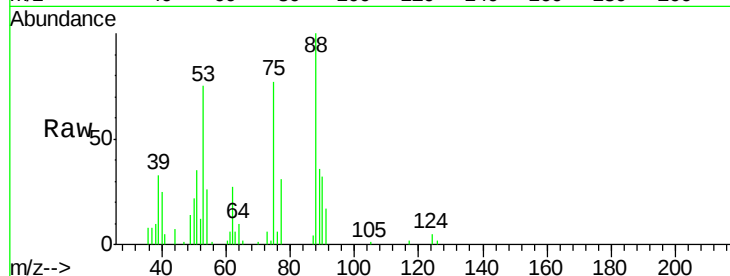
ClientSampleId :

VD0923SBSD01

Tot Ion:	75	Resp:	15775
Ion Ratio	Lower	Upper	
75	100		
53	101.2	78.5	117.7
89	46.0	38.1	57.1

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#82

4-Chlorotoluene

Concen: 21.761 ug/l

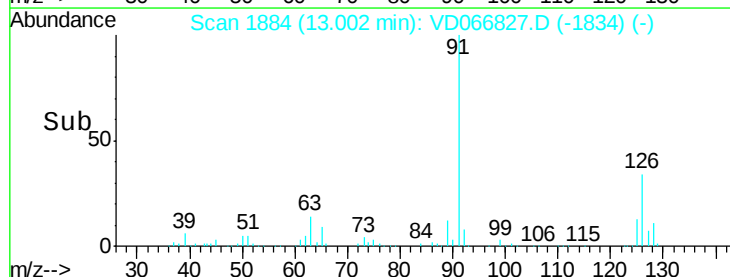
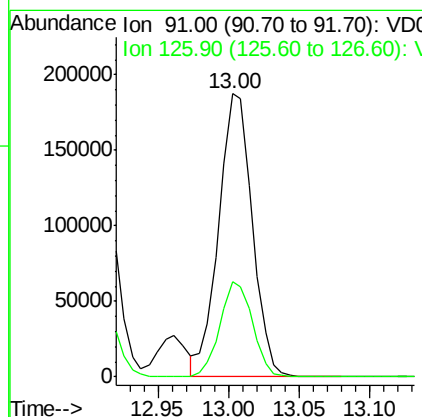
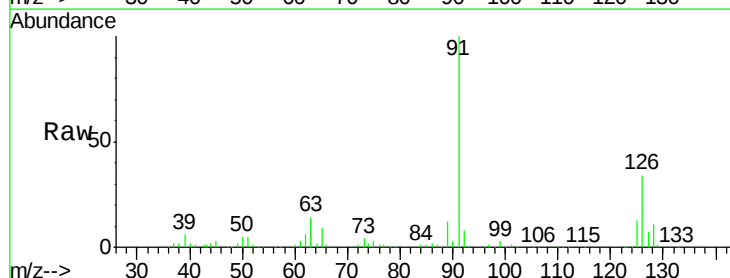
RT: 13.00 min Scan# 1884

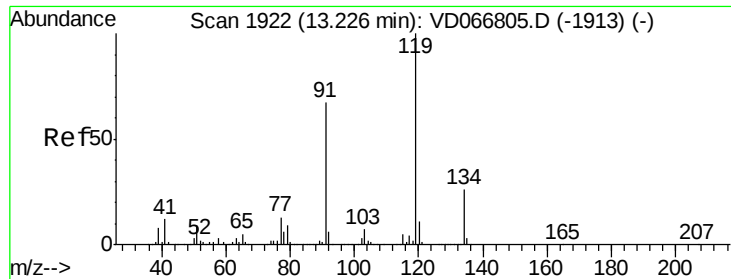
Delta R.T. -0.01 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Tgt Ion:	91	Resp:	309518
Ion Ratio	Lower	Upper	
91	100		
126	32.7	17.1	51.2





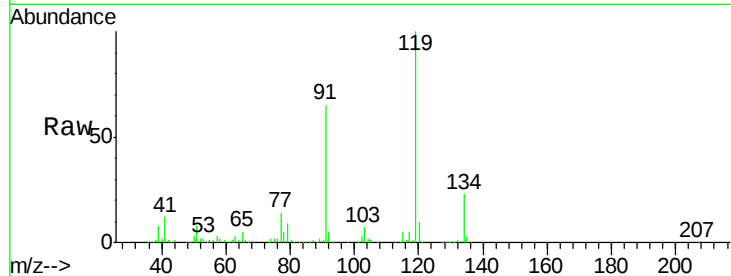
#83
tert-Butylbenzene
Concen: 21.791 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

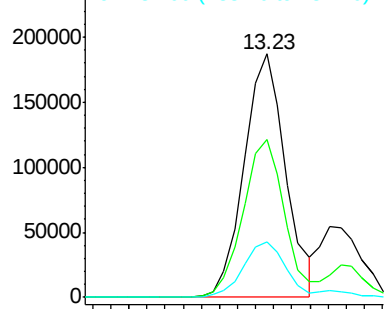
Tot Ion	Ratio	Resp	Lower	Upper
119	100	299034		
91	64.4	33.6	100.8	
134	23.7	13.5	40.4	

Manual Integrations
APPROVED

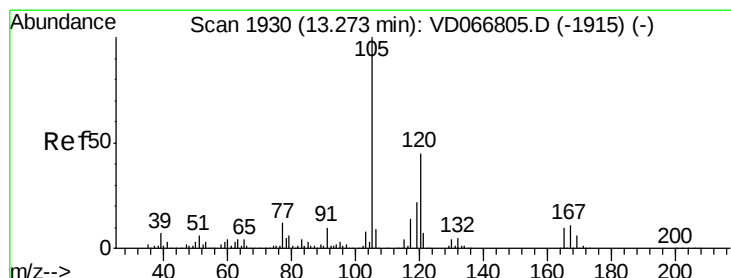
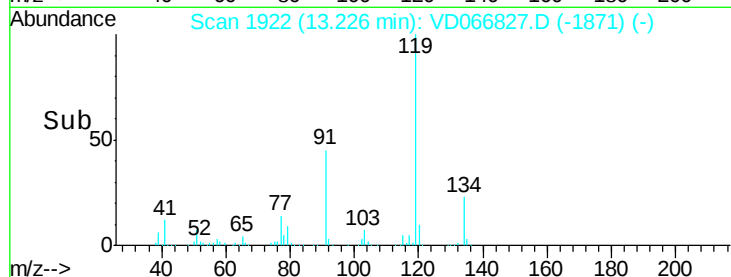
MMDadoda
9/24/2020 1:36:49 PM



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

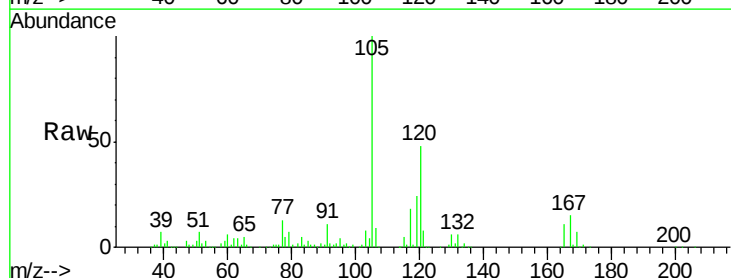


Time-->

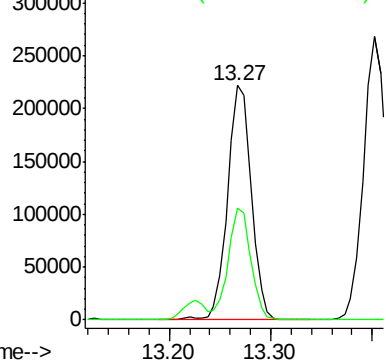


#84
1,2,4-Trimethylbenzene
Concen: 21.791 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

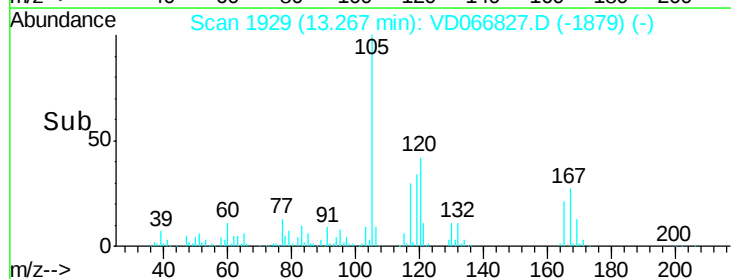
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360861		
120	45.8	22.3	66.9	

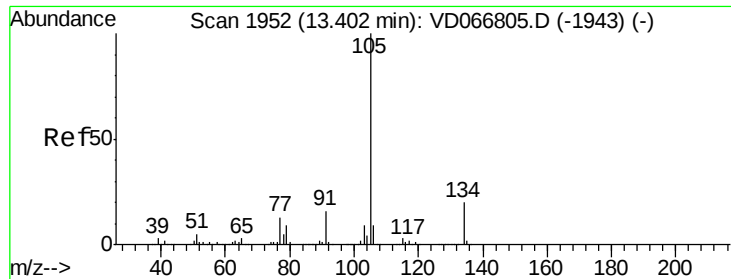


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 21.205 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:105 Resp: 418454

Ion Ratio Lower Upper

105 100

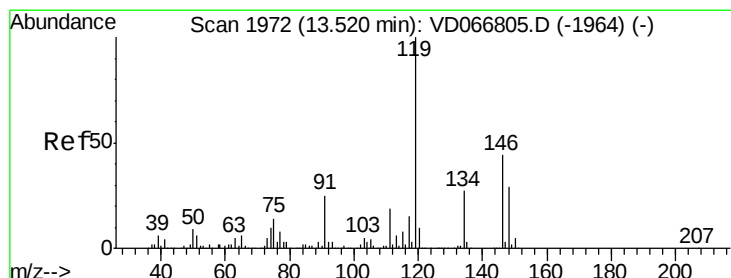
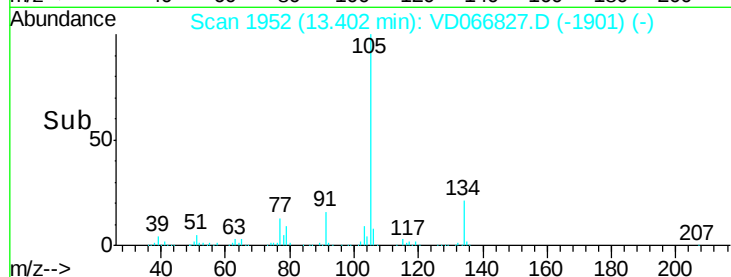
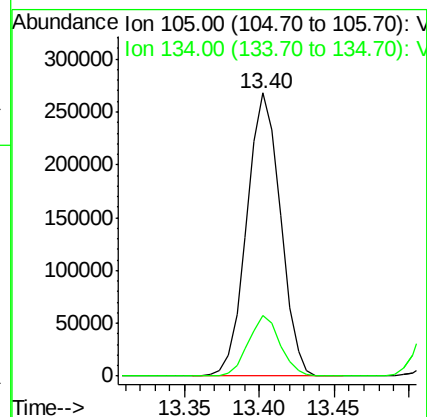
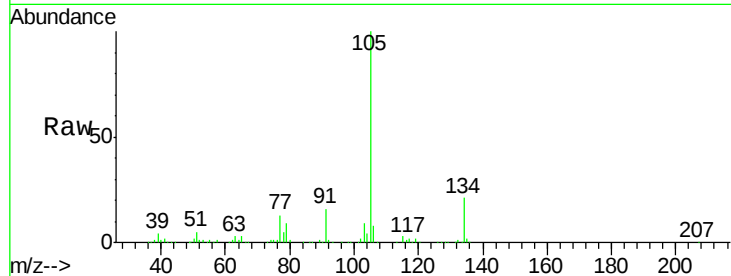
134 20.3 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:49 PM



#86

p-Isopropyltoluene

Concen: 21.741 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066827.D

Acq: 23 Sep 2020 11:49

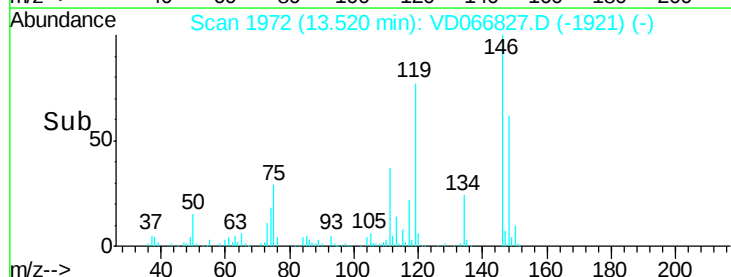
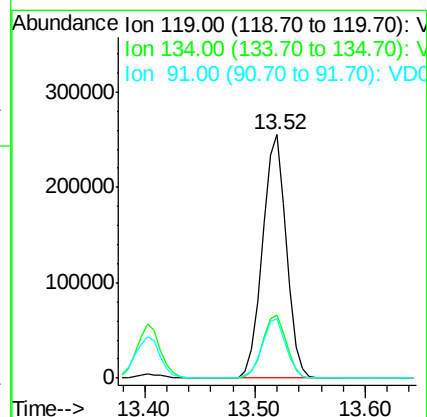
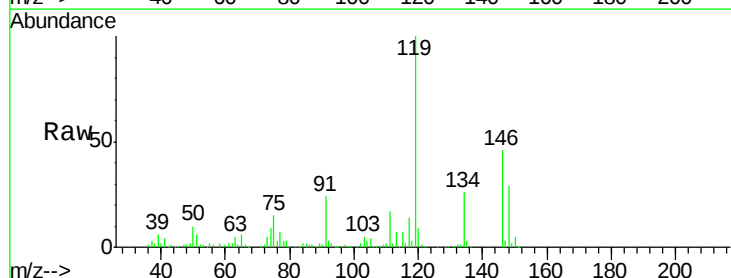
Tgt Ion:119 Resp: 386721

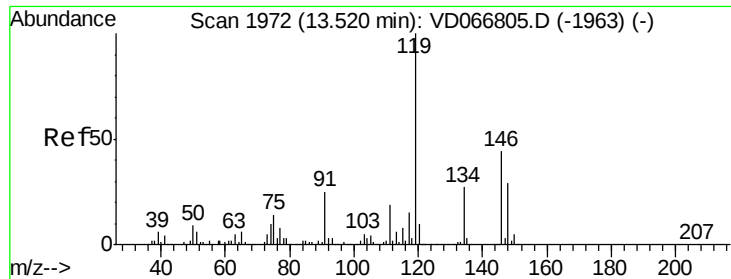
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 24.4 12.0 36.1





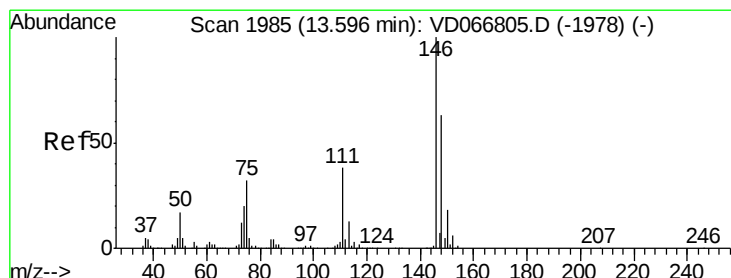
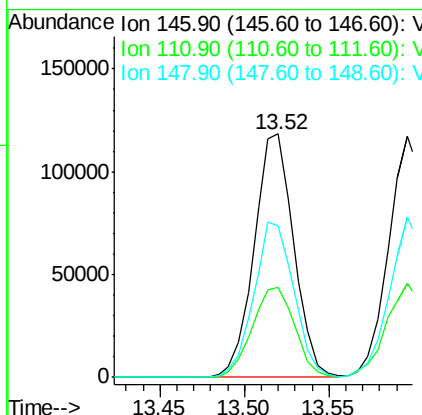
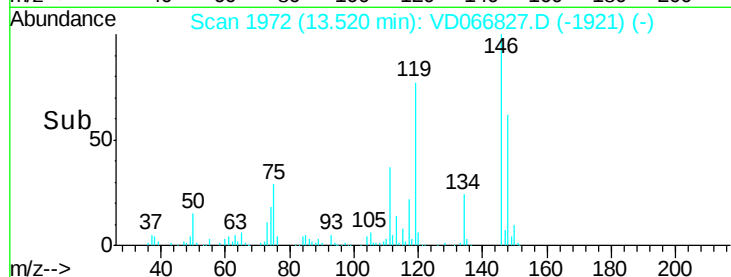
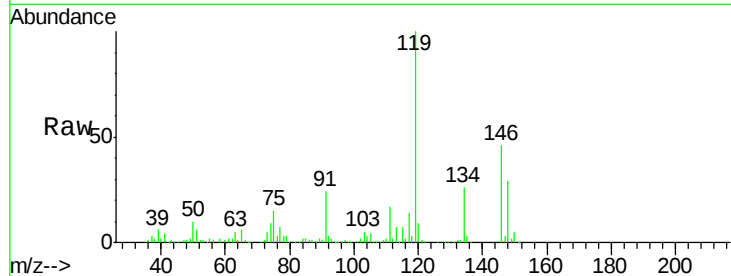
#87
 1,3-Dichlorobenzene
 Concen: 21.222 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193000		
111	39.8	20.3	60.9	
148	64.4	31.9	95.5	

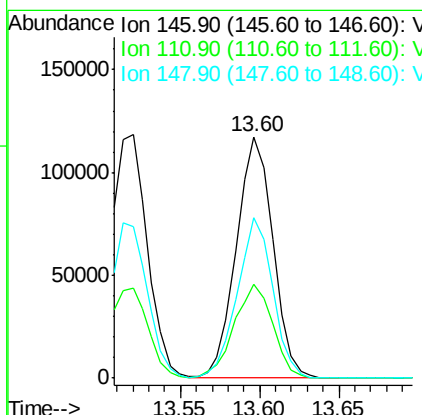
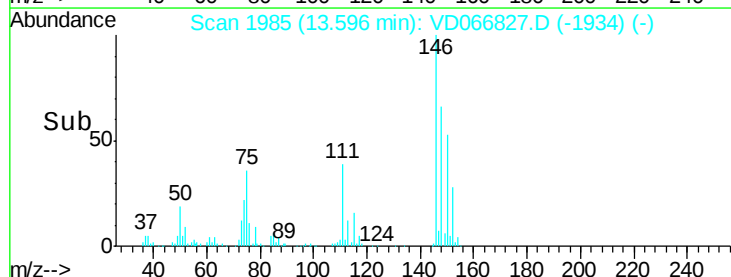
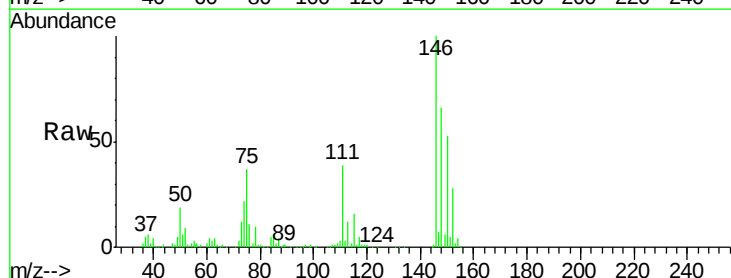
Manual Integrations
 APPROVED

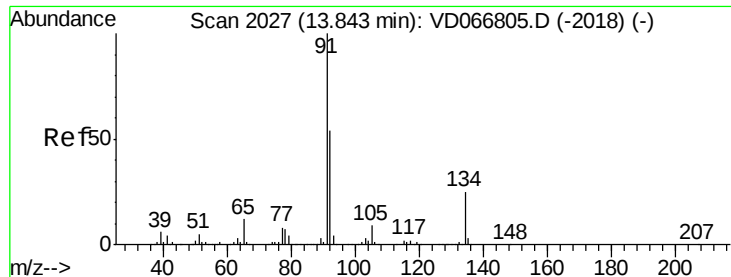
MMDadoda
 9/24/2020 1:36:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.889 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	188675		
111	41.2	20.2	60.5	
148	64.5	31.6	94.7	





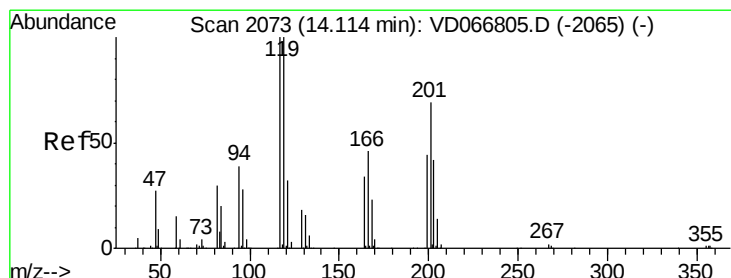
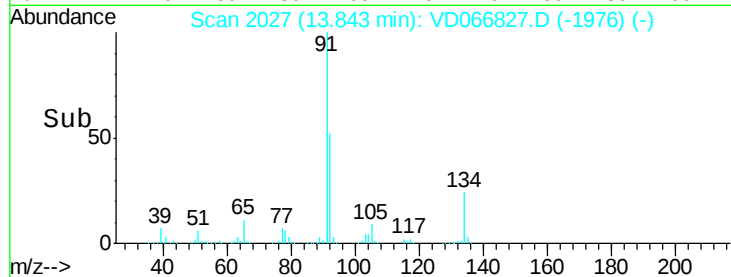
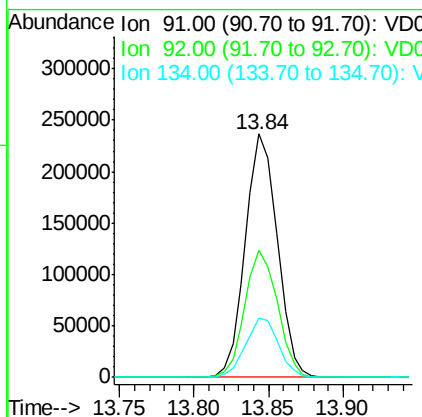
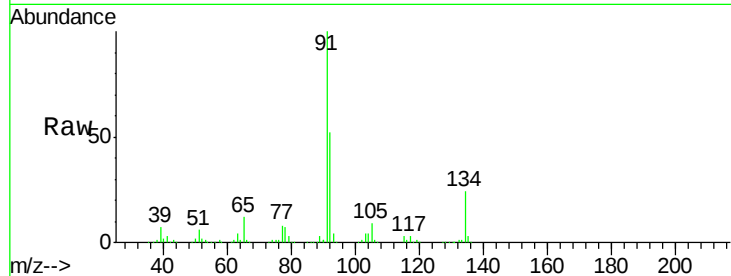
#89
n-Butylbenzene
Concen: 20.807 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	26.7	80.0	
134	24.9	13.1	39.1	

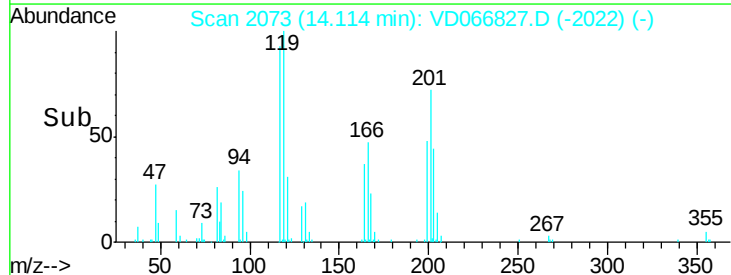
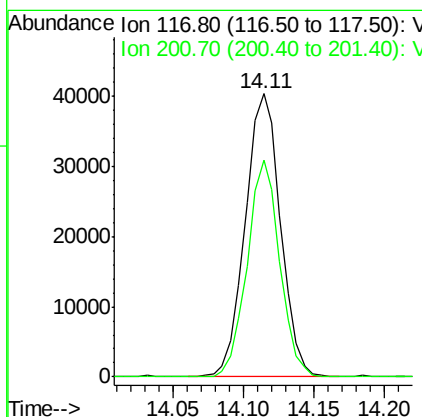
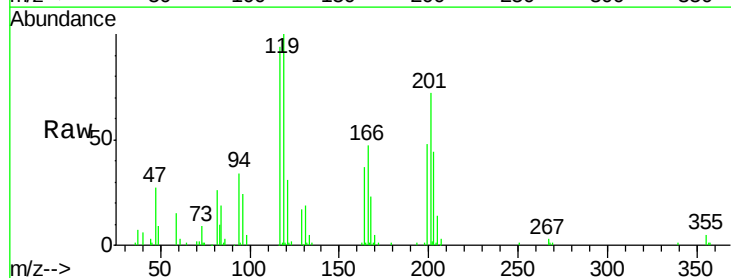
Manual Integrations
APPROVED

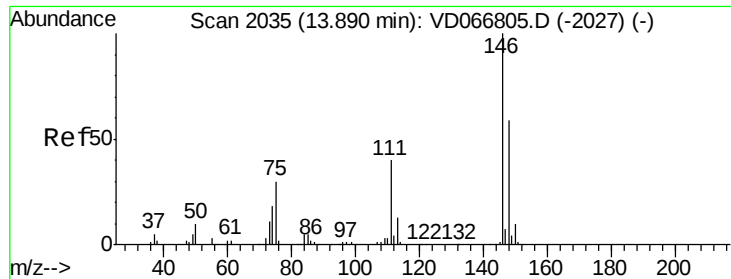
MMDadoda
9/24/2020 1:36:49 PM



#90
Hexachloroethane
Concen: 19.574 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	70.5	33.7	101.0	





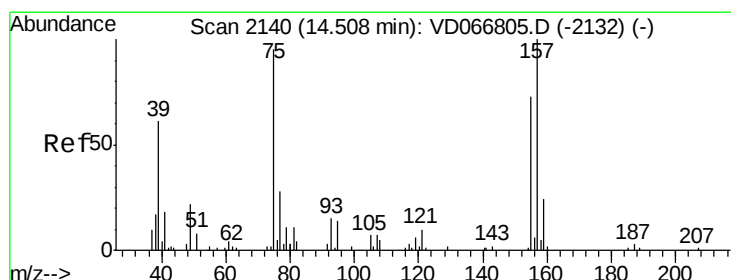
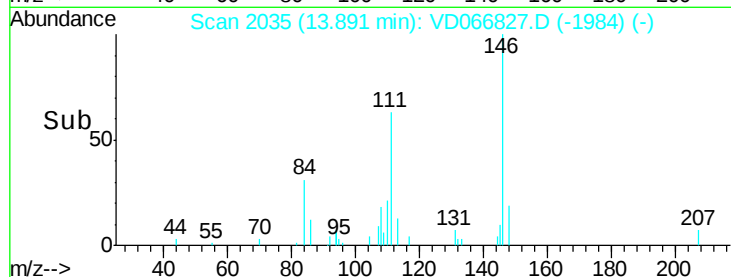
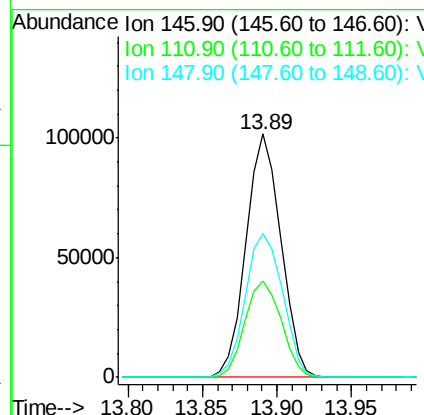
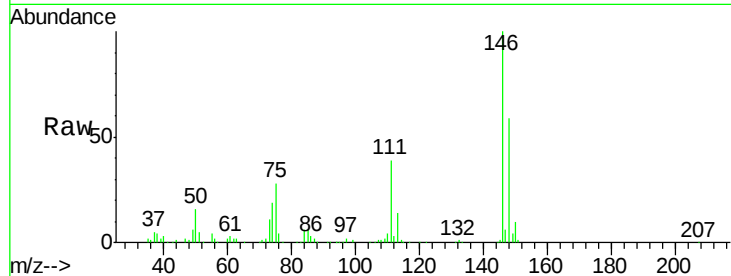
#91
 1,2-Dichlorobenzene
 Concen: 21.160 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164632		
111	41.4	20.9	62.7	
148	63.2	31.8	95.3	

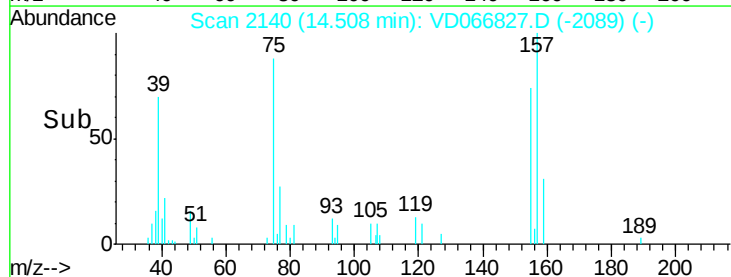
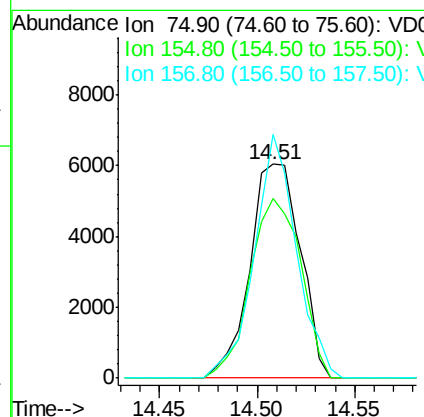
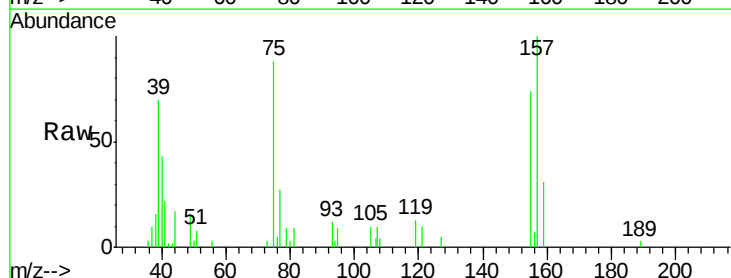
Manual Integrations
 APPROVED

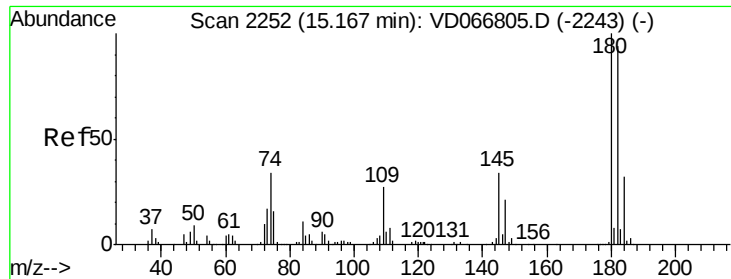
MMDadoda
 9/24/2020 1:36:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.849 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10844		
155	84.5	40.4	121.2	
157	95.3	51.3	153.9	





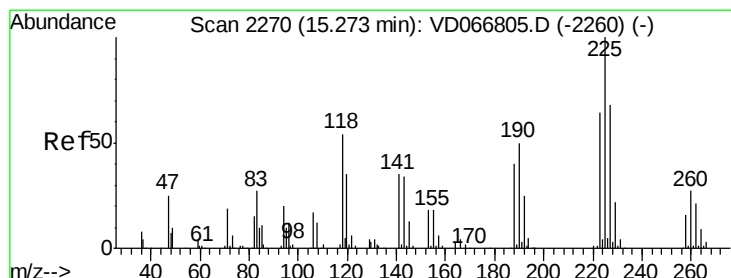
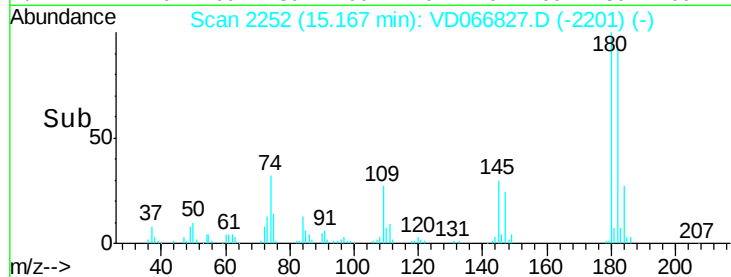
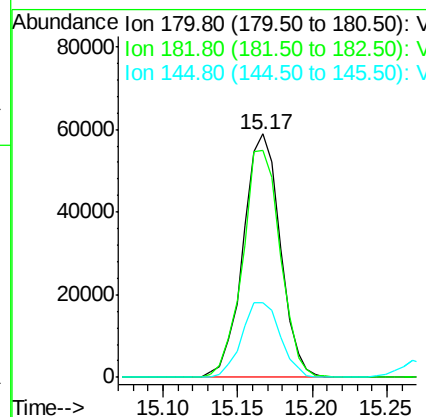
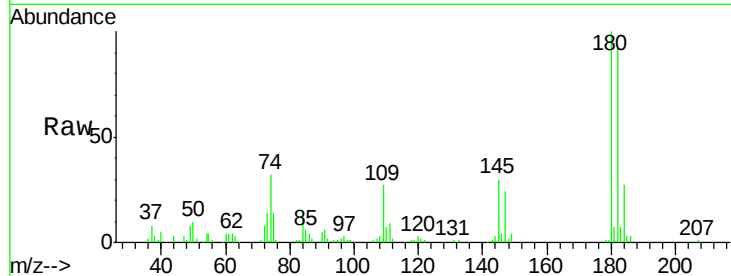
#93
 1,2,4-Trichlorobenzene
 Concen: 20.647 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101126		
182	95.0	48.8	146.3	
145	32.2	16.7	50.0	

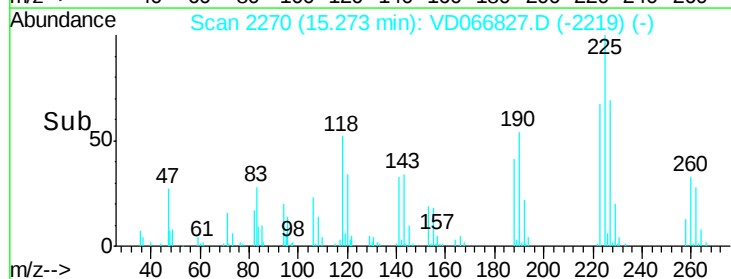
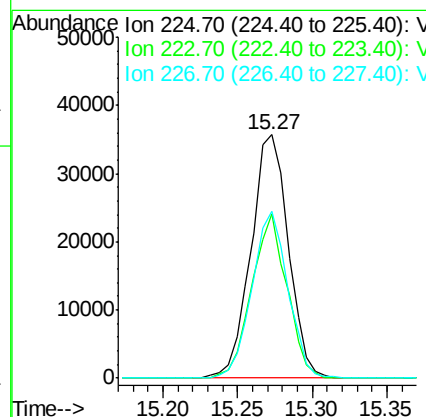
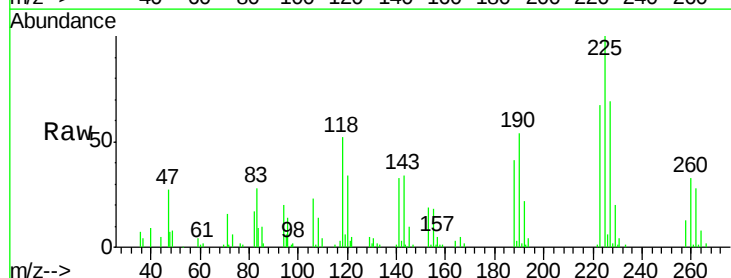
Manual Integrations
 APPROVED

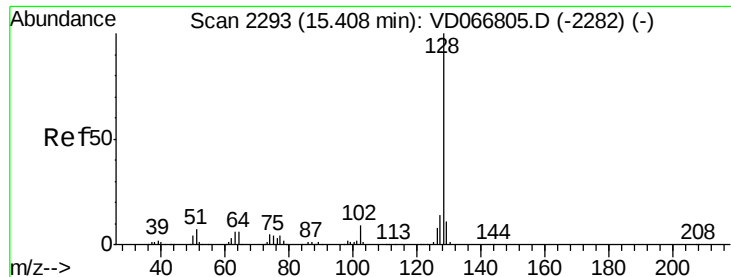
MMDadoda
 9/24/2020 1:36:49 PM



#94
 Hexachlorobutadiene
 Concen: 21.048 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066827.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61777		
223	63.3	31.1	93.3	
227	65.7	31.7	95.1	





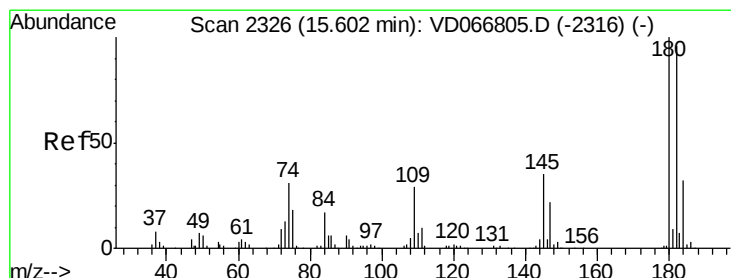
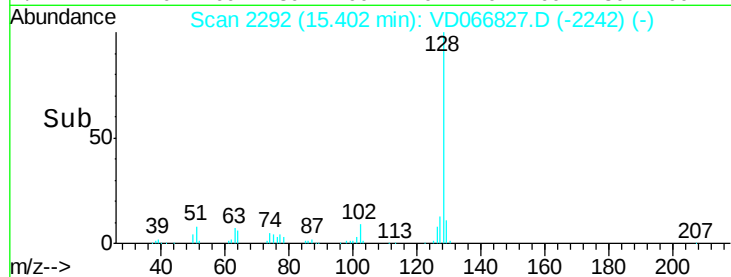
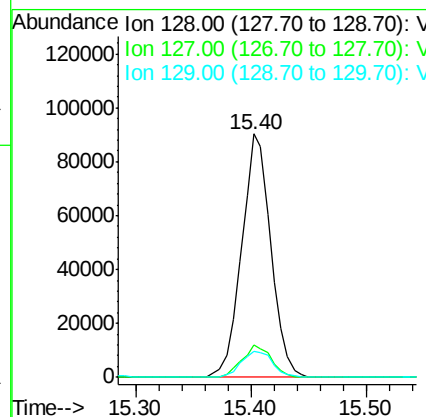
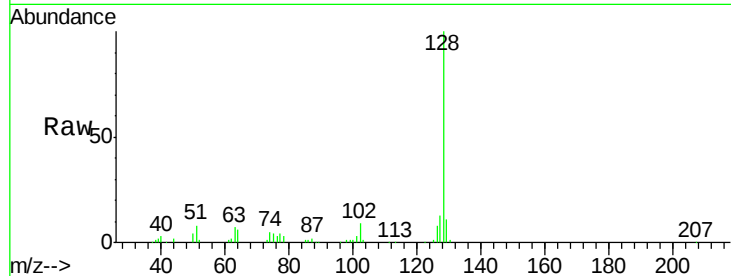
#95
Naphthalene
Concen: 19.031 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	158248		
127	13.4	10.6	16.0	
129	11.4	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.197 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066827.D
Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85383		
182	95.7	46.8	140.3	
145	35.0	17.0	51.0	

