

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066824.D
 Acq On : 23 Sep 2020 10:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:36:43 PM

Quant Time: Sep 23 15:49:33 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	7.97	168	441259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	604582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188307	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
35) Dibromofluoromethane	7.91	113	195117	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	10.33	98	703179	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.63	95	239098	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	147734	47.753	ug/l	95
3) Chloromethane	2.21	50	173580	42.814	ug/l	99
4) Vinyl Chloride	2.35	62	185354	46.277	ug/l	98
5) Bromomethane	2.77	94	117133	41.607	ug/l	93
6) Chloroethane	2.93	64	109589	44.059	ug/l #	84
7) Trichlorofluoromethane	3.27	101	375687	45.671	ug/l	95
8) Diethyl Ether	3.71	74	92864	44.468	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	221838	46.508	ug/l	99
10) Methyl Iodide	4.30	142	225040	53.465	ug/l	97
11) Tert butyl alcohol	5.21	59	50051	178.079	ug/l	100
12) 1,1-Dichloroethene	4.07	96	195787	45.311	ug/l	94
13) Acrolein	3.92	56	65289	204.924	ug/l	97
14) Allyl chloride	4.71	41	297604	46.905	ug/l	98
15) Acrylonitrile	5.41	53	211447	228.478	ug/l	98
16) Acetone	4.15	43	184668	201.563	ug/l	97
17) Carbon Disulfide	4.41	76	609980	46.175	ug/l	99
18) Methyl Acetate	4.71	43	95421	46.419	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	433872	46.238	ug/l	100
20) Methylene Chloride	4.96	84	233070	46.759	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	235083	46.987	ug/l	97
22) Diisopropyl ether	6.36	45	610990	46.835	ug/l	98
23) Vinyl Acetate	6.30	43	1542600	218.137	ug/l	100
24) 1,1-Dichloroethane	6.26	63	396301	45.409	ug/l	98
25) 2-Butanone	7.21	43	224356	203.775	ug/l	94
26) 2,2-Dichloropropane	7.21	77	372074	46.514	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252342	46.420	ug/l	99
28) Bromochloromethane	7.54	49	172970	47.974	ug/l #	98
29) Tetrahydrofuran	7.56	42	158947	225.307	ug/l	96
30) Chloroform	7.71	83	429336	45.637	ug/l	95
31) Cyclohexane	7.98	56	353766	45.050	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	405432	47.641	ug/l	99
36) 1,1-Dichloropropene	8.11	75	327105	49.482	ug/l	99
37) Ethyl Acetate	7.28	43	120697	50.505	ug/l	99
38) Carbon Tetrachloride	8.10	117	357743	49.499	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066824.D
 Acq On : 23 Sep 2020 10:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:36:43 PM

Quant Time: Sep 23 15:49:33 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	394851	52.023	ug/l	94
40) Benzene	8.34	78	905702	49.160	ug/l	98
41) Methacrylonitrile	7.52	41	76045m	51.744	ug/l	
42) 1,2-Dichloroethane	8.42	62	260789	47.882	ug/l	99
43) Isopropyl Acetate	8.44	43	218020	47.320	ug/l	99
44) Trichloroethene	9.11	130	256605	48.865	ug/l	99
45) 1,2-Dichloropropane	9.38	63	226166	48.791	ug/l	97
46) Dibromomethane	9.47	93	123560	49.060	ug/l	97
47) Bromodichloromethane	9.66	83	324655	47.986	ug/l	100
48) Methyl methacrylate	9.45	41	116668	51.358	ug/l	90
49) 1,4-Dioxane	9.46	88	28916	1013.862	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	561866	240.671	ug/l	100
52) Toluene	10.40	92	597761	50.371	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	282290	49.022	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	334713	47.670	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	163276	47.159	ug/l	97
56) Ethyl methacrylate	10.66	69	188485	50.818	ug/l	97
57) 1,3-Dichloropropane	10.94	76	275734	48.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	402837	229.379	ug/l	99
59) 2-Hexanone	10.98	43	383024	243.285	ug/l	98
60) Dibromochloromethane	11.14	129	220457	48.788	ug/l	99
61) 1,2-Dibromoethane	11.24	107	159746	49.605	ug/l	100
64) Tetrachloroethene	10.87	164	228899	52.634	ug/l	97
65) Chlorobenzene	11.67	112	611460	48.587	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	232091	48.727	ug/l	99
67) Ethyl Benzene	11.74	91	1123578	50.834	ug/l	99
68) m/p-Xylenes	11.85	106	871011	104.083	ug/l	100
69) o-Xylene	12.18	106	385932	51.002	ug/l	100
70) Styrene	12.19	104	684068	52.056	ug/l	99
71) Bromoform	12.36	173	117928	48.900	ug/l #	99
73) Isopropylbenzene	12.48	105	1079203	51.390	ug/l	99
74) N-amyl acetate	12.28	43	199902	48.744	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	168104	46.390	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	106950m	44.394	ug/l	
77) Bromobenzene	12.76	156	241118	49.093	ug/l	99
78) n-propylbenzene	12.82	91	1297647	51.363	ug/l	99
79) 2-Chlorotoluene	12.91	91	705588	49.010	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	915569	51.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40790	42.361	ug/l	98
82) 4-Chlorotoluene	13.00	91	768745	50.654	ug/l	98
83) tert-Butylbenzene	13.23	119	762229	52.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	905320	51.236	ug/l	100
85) sec-Butylbenzene	13.40	105	1092819	51.902	ug/l	99
86) p-Isopropyltoluene	13.52	119	1004279	52.914	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	480054	49.473	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	468612	48.624	ug/l	99
89) n-Butylbenzene	13.84	91	941803	52.207	ug/l	99
90) Hexachloroethane	14.11	117	182506	47.365	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	406153	48.924	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26937	46.210	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092320\
Data File : VD066824.D
Acq On : 23 Sep 2020 10:11
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

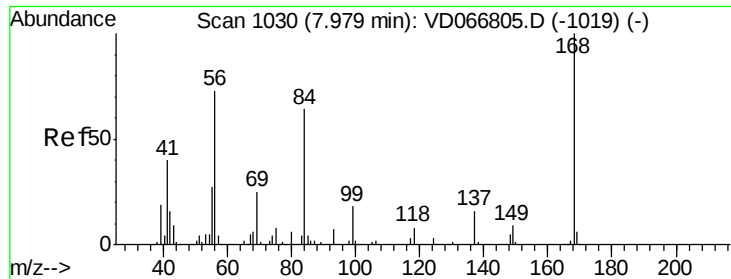
Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM

Quant Time: Sep 23 15:49:33 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	262944	50.315	ug/l	97
94) Hexachlorobutadiene	15.27	225	158216	50.522	ug/l	100
95) Naphthalene	15.41	128	447583	50.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	227426	50.421	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 441259

Ion Ratio Lower Upper

168 100

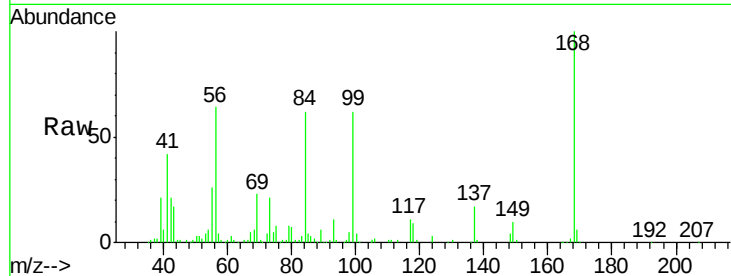
99 61.5 46.6 69.8

Manual Integrations

APPROVED

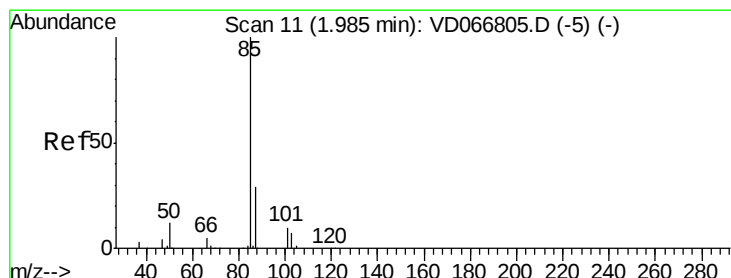
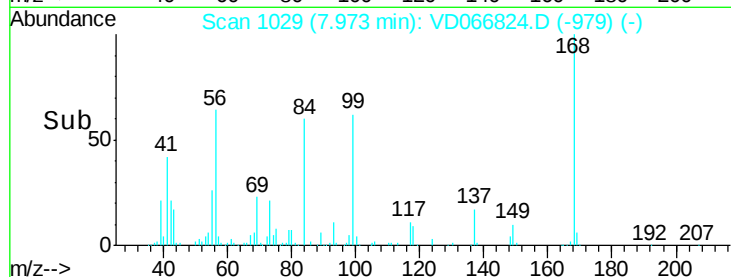
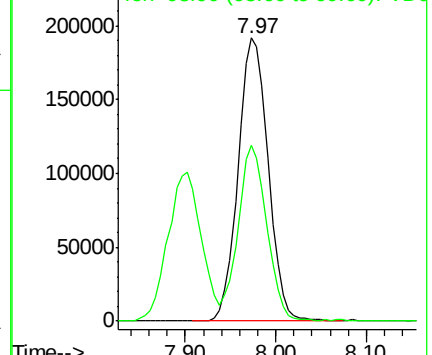
MMDadoda

9/24/2020 1:36:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.753 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066824.D

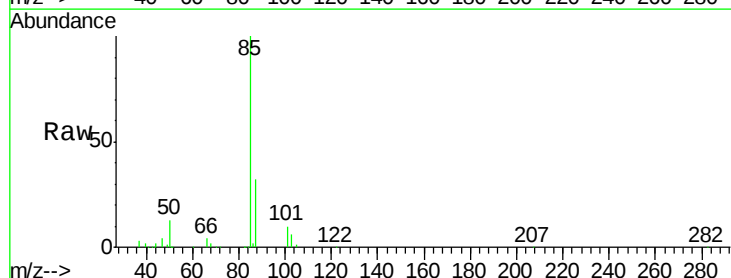
Acq: 23 Sep 2020 10:11

Tgt Ion: 85 Resp: 147734

Ion Ratio Lower Upper

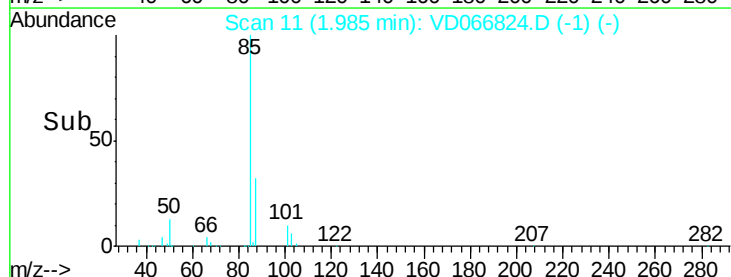
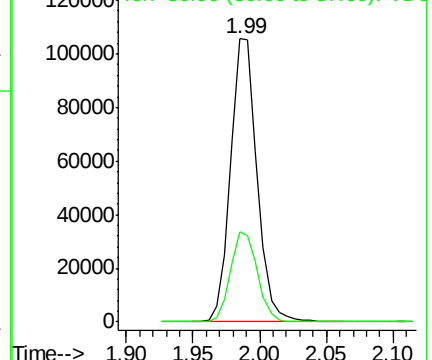
85 100

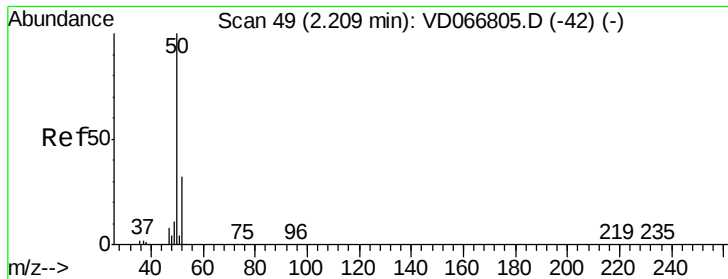
87 31.9 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.814 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 173580

Ion Ratio Lower Upper

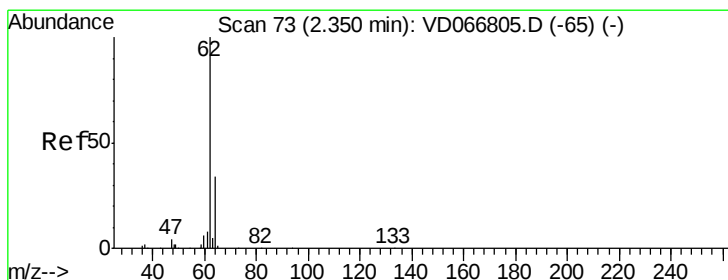
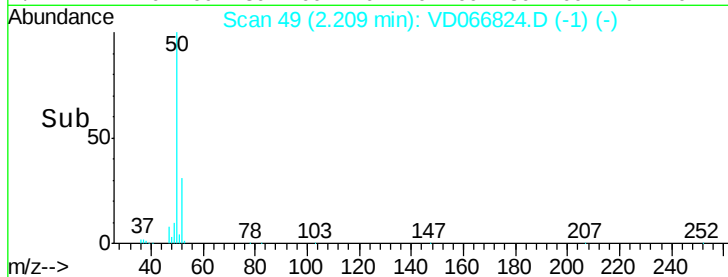
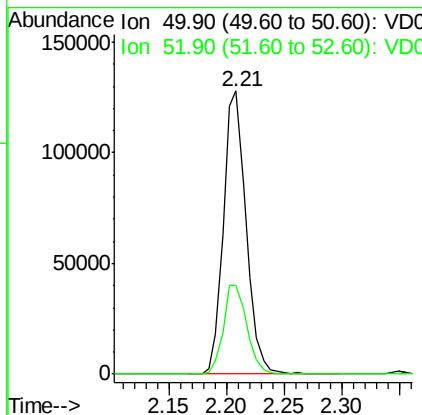
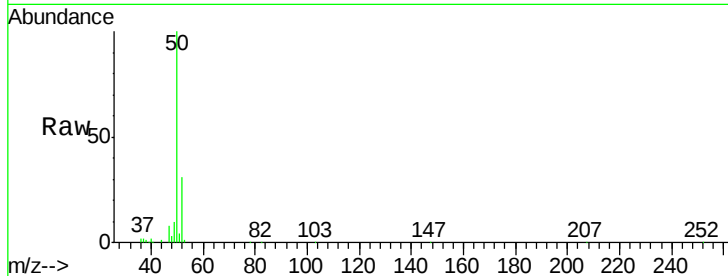
50 100

52 31.2 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:36:43 PM



#4

Vinyl Chloride

Concen: 46.277 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066824.D

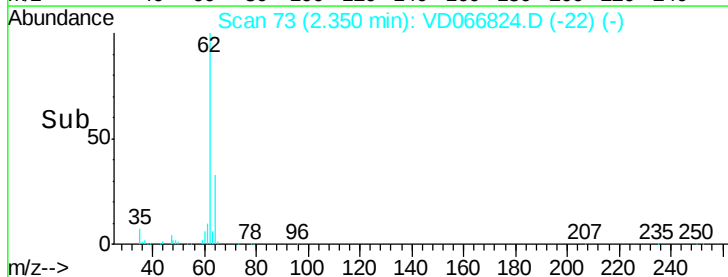
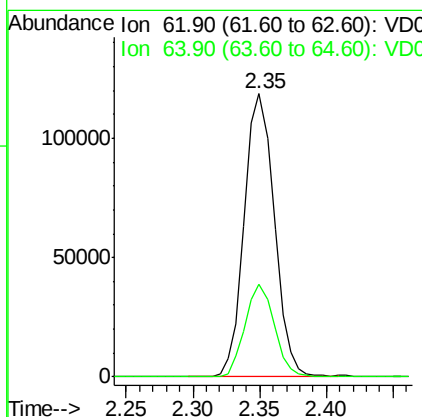
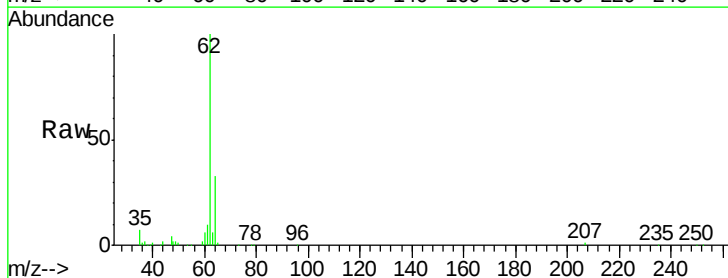
Acq: 23 Sep 2020 10:11

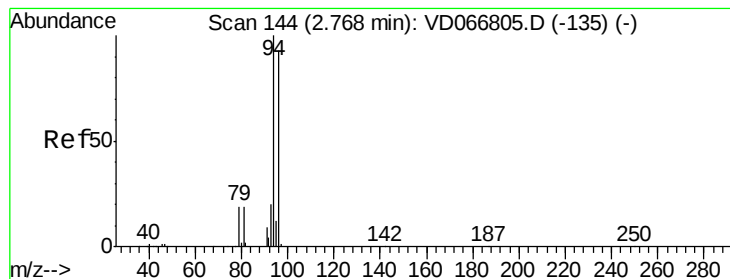
Tgt Ion: 62 Resp: 185354

Ion Ratio Lower Upper

62 100

64 32.5 27.0 40.4





#5

Bromomethane

Concen: 41.607 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 117133

Ion Ratio Lower Upper

94 100

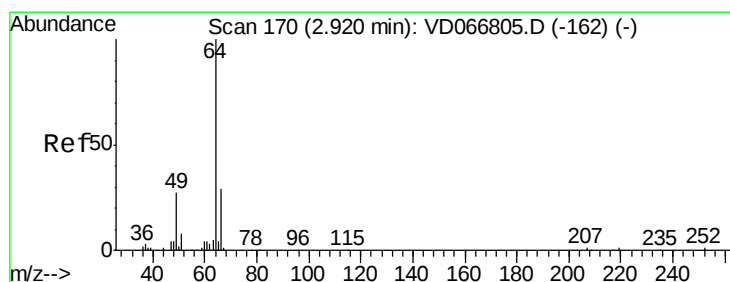
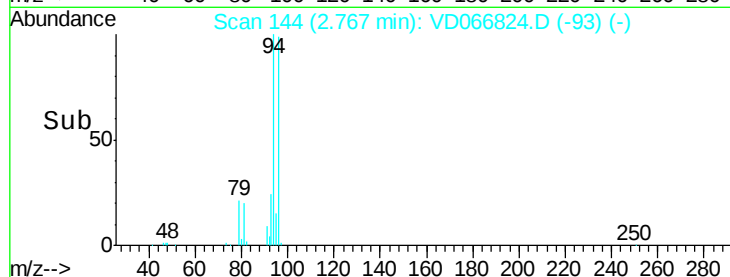
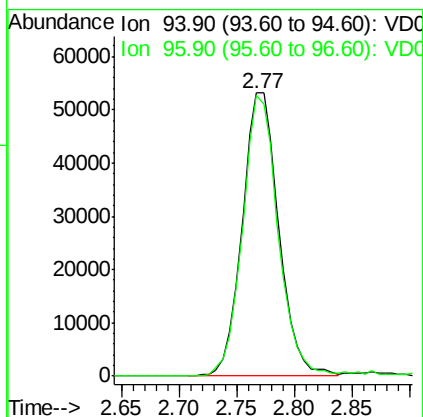
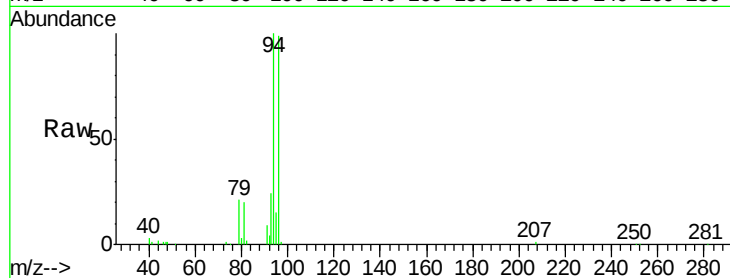
96 99.3 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM



#6

Chloroethane

Concen: 44.059 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066824.D

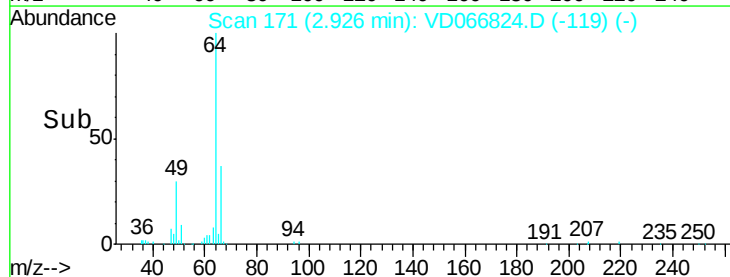
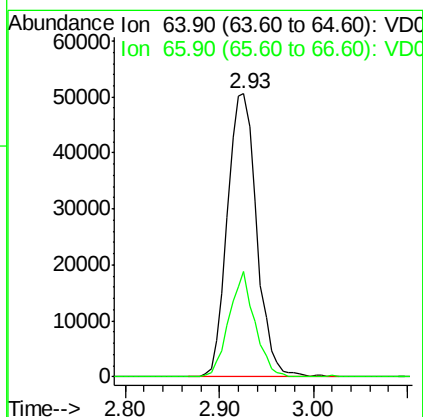
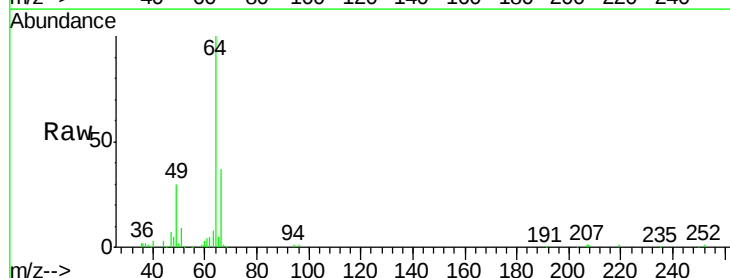
Acq: 23 Sep 2020 10:11

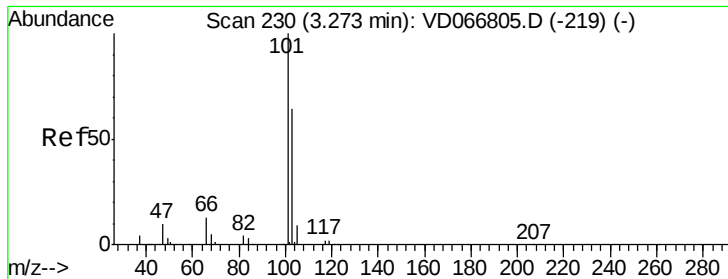
Tgt Ion: 64 Resp: 109589

Ion Ratio Lower Upper

64 100

66 37.4 23.3 34.9#





#7

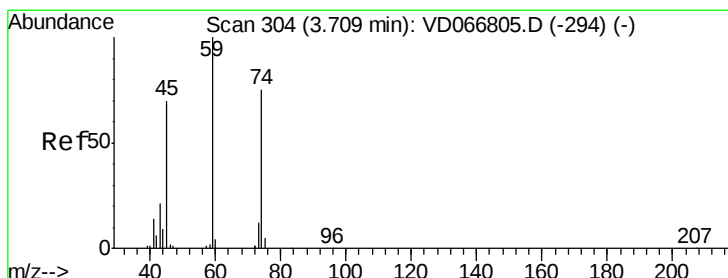
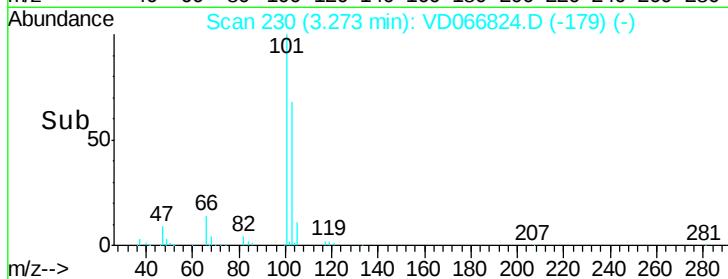
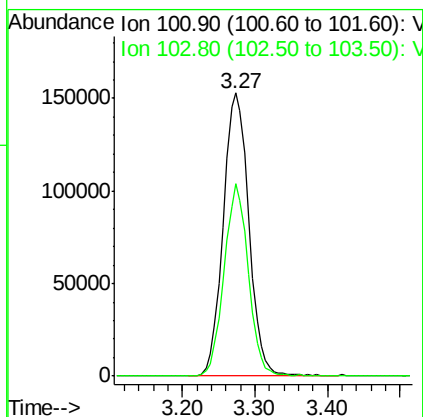
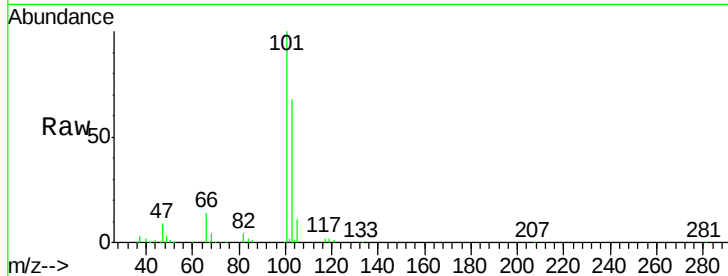
Trichlorofluoromethane
Concen: 45.671 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.0	76.6

Manual Integrations
APPROVED

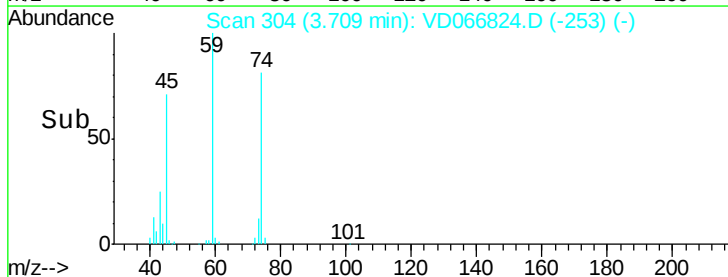
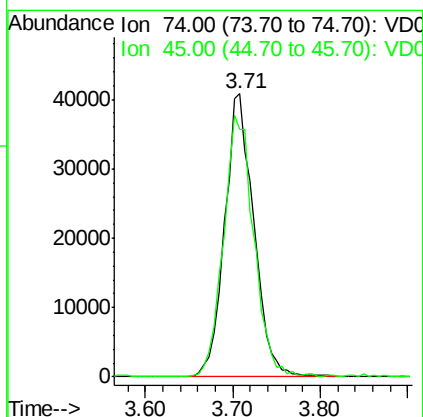
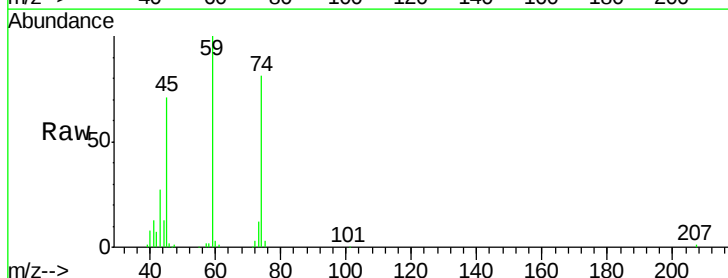
MMDadoda
9/24/2020 1:36:43 PM

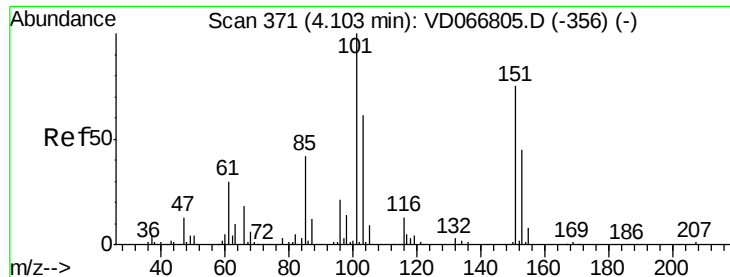


#8

Diethyl Ether
Concen: 44.468 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.508 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

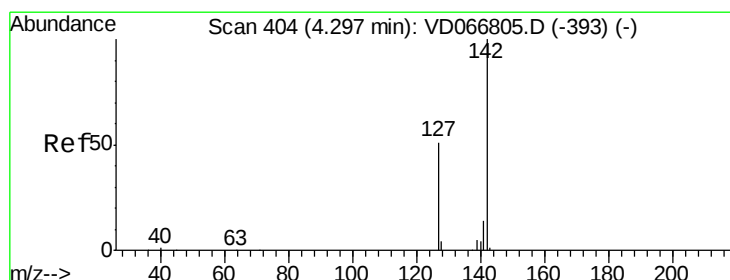
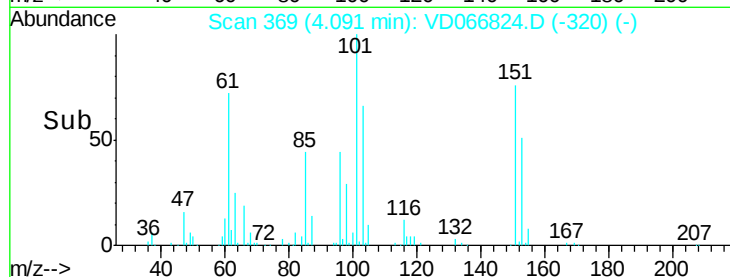
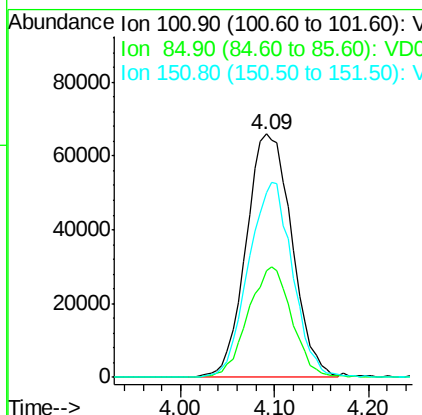
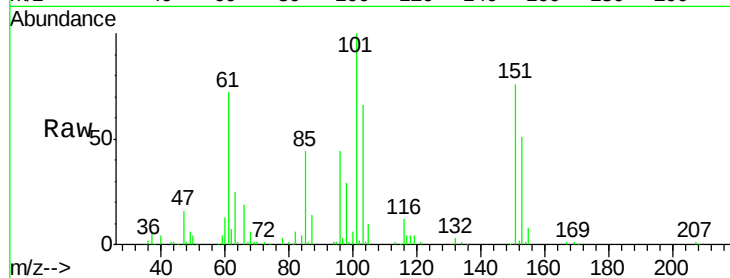
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	221838
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.4	53.2
151	77.3	61.4	92.0

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#10

Methyl Iodide

Concen: 53.465 ug/l

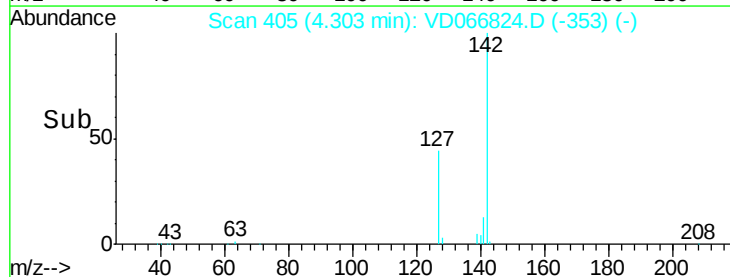
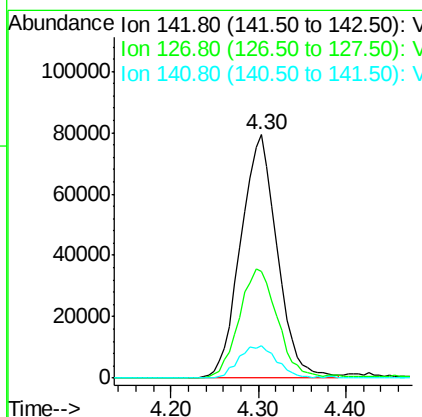
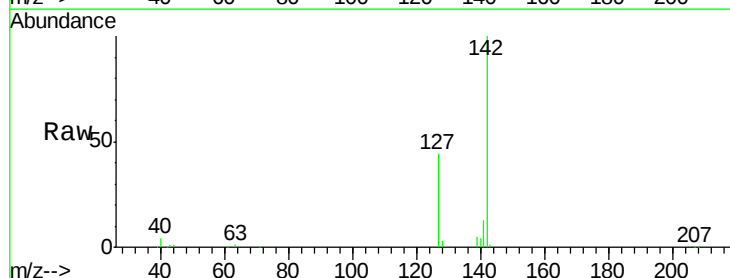
RT: 4.30 min Scan# 405

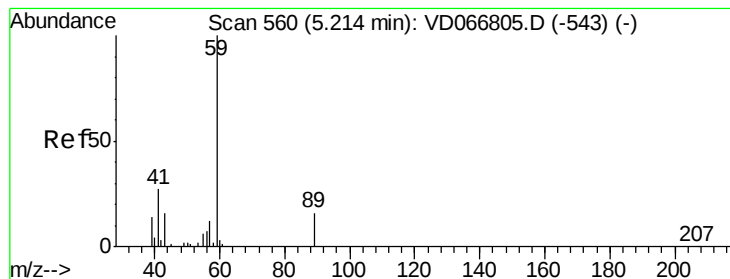
Delta R.T. 0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion:	142	Resp:	225040
Ion Ratio	Lower	Upper	
142	100		
127	46.8	39.4	59.0
141	14.0	12.1	18.1





#11

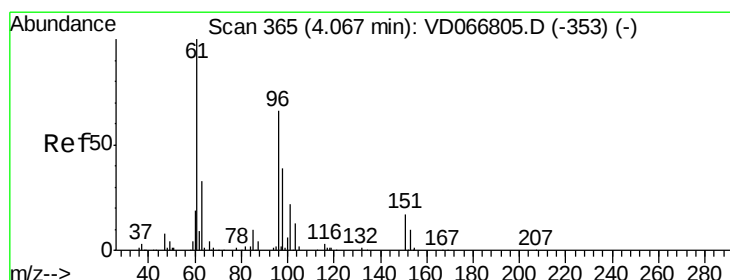
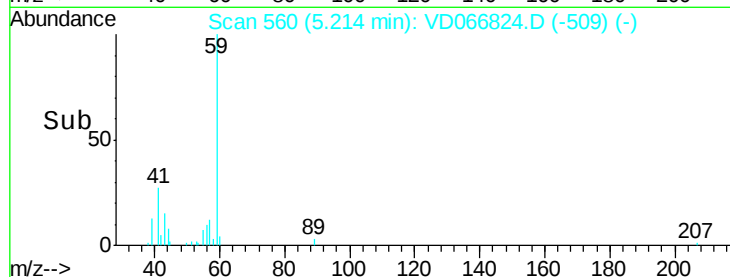
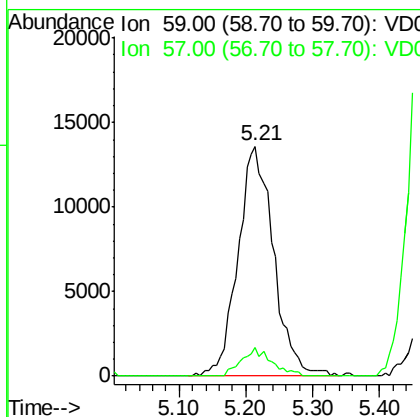
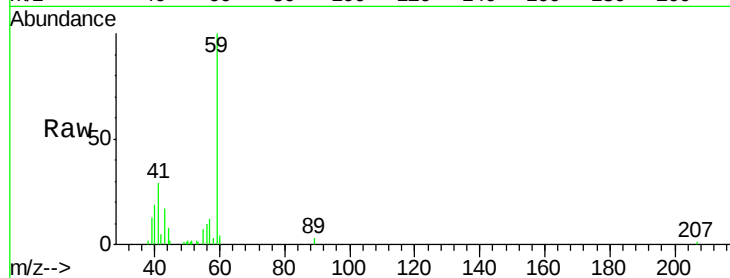
Tert butyl alcohol
Concen: 178.079 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
APPROVED

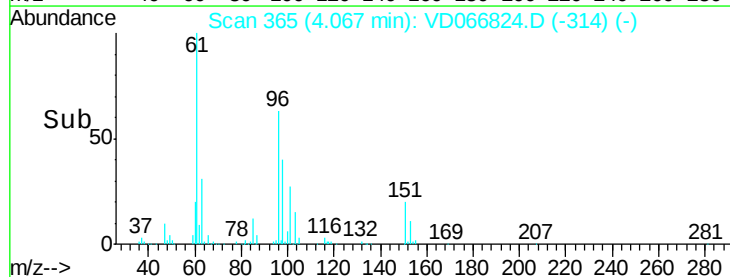
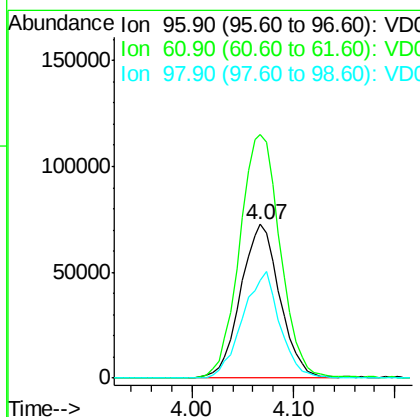
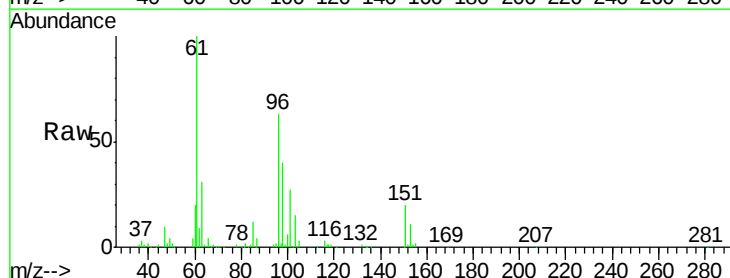
MMDadoda
9/24/2020 1:36:43 PM

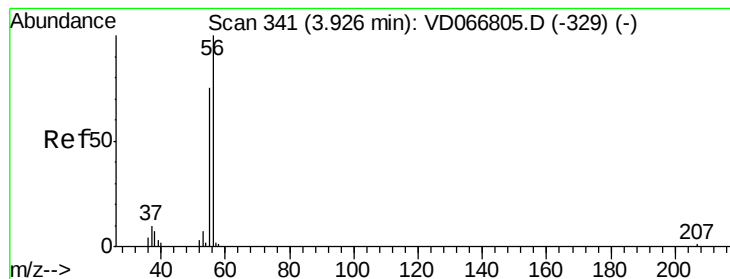


#12

1,1-Dichloroethene
Concen: 45.311 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	120.8	181.2
98	63.3	47.7	71.5





#13

Acrolein

Concen: 204.924 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65289

Ion Ratio Lower Upper

56 100

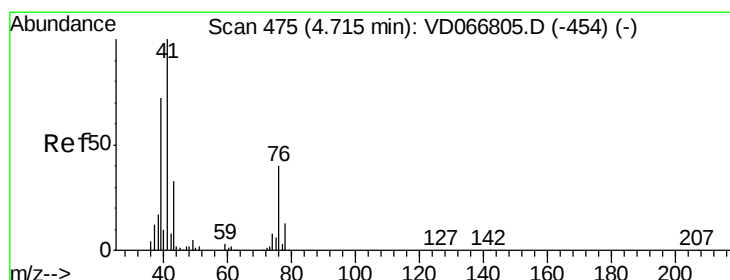
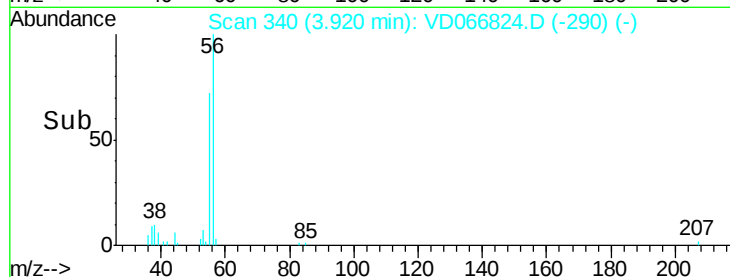
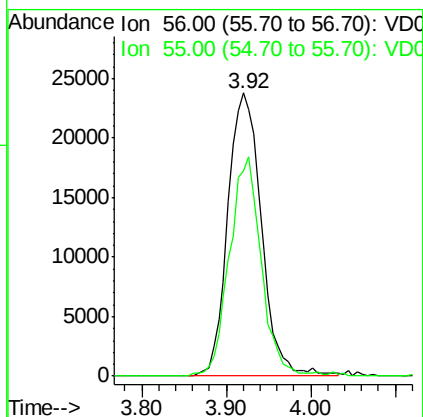
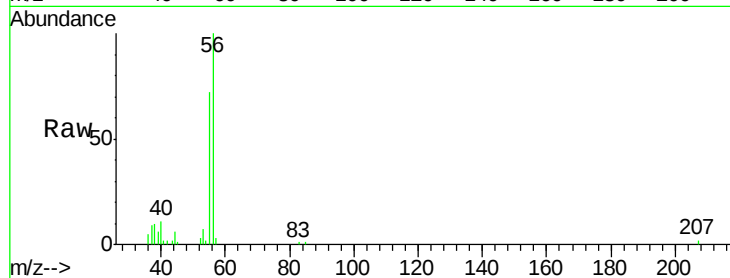
55 72.8 60.3 90.5

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM



#14

Allyl chloride

Concen: 46.905 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

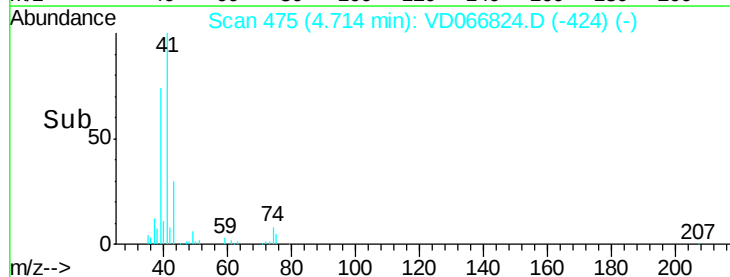
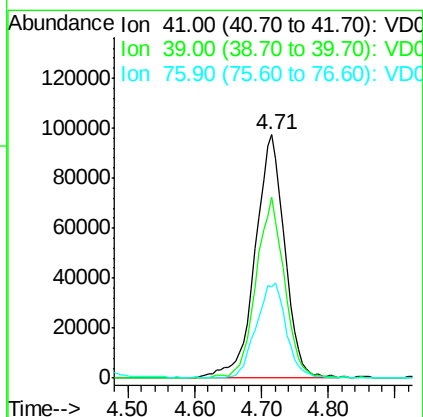
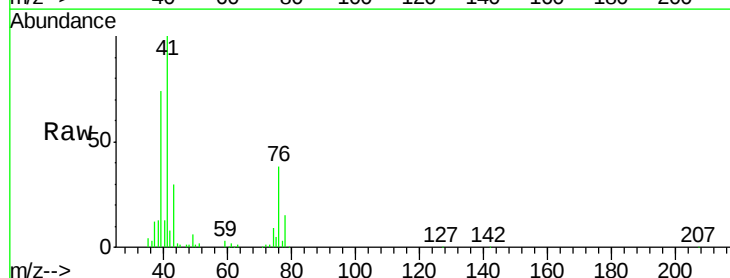
Tgt Ion: 41 Resp: 297604

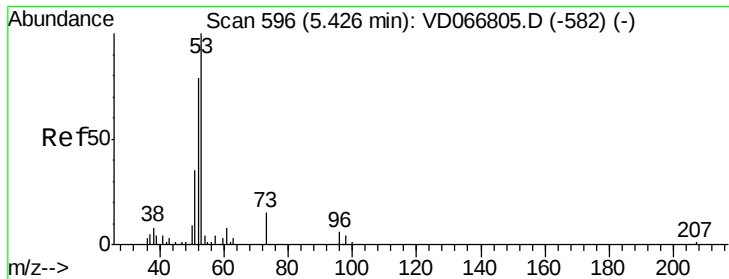
Ion Ratio Lower Upper

41 100

39 70.9 57.8 86.8

76 39.5 30.9 46.3





#15

Acrylonitrile

Concen: 228.478 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

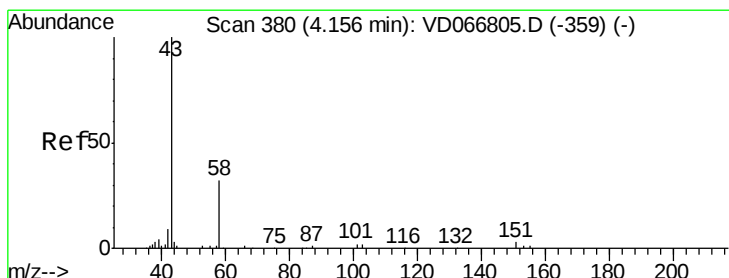
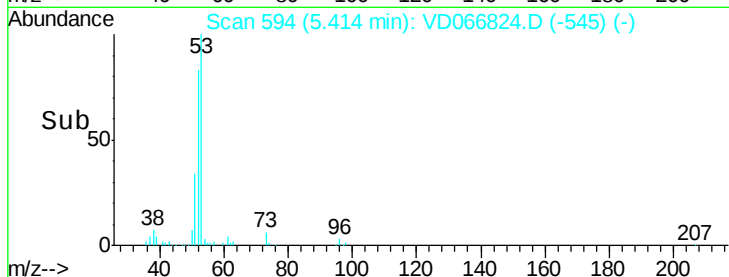
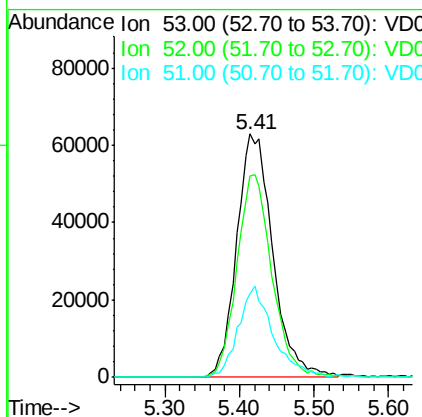
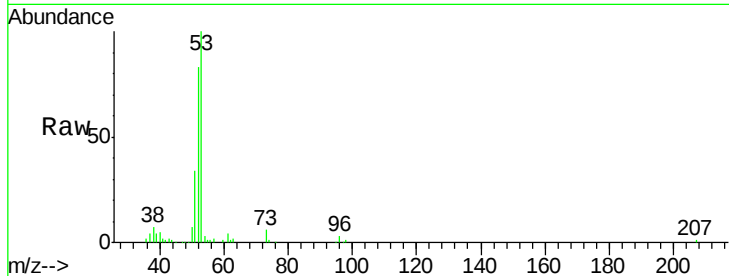
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	211447
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.2	97.8
51	36.2	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#16

Acetone

Concen: 201.563 ug/l

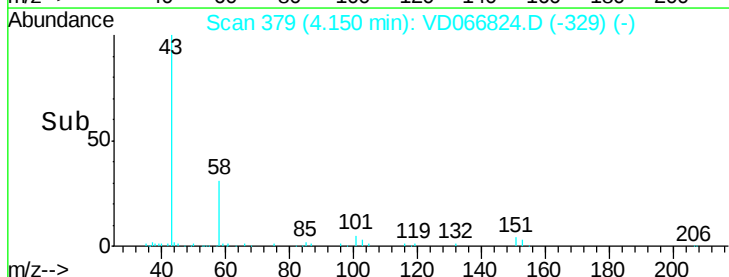
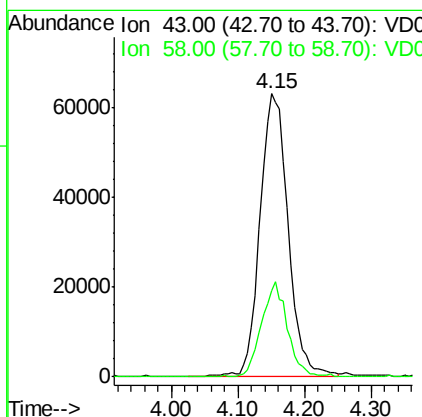
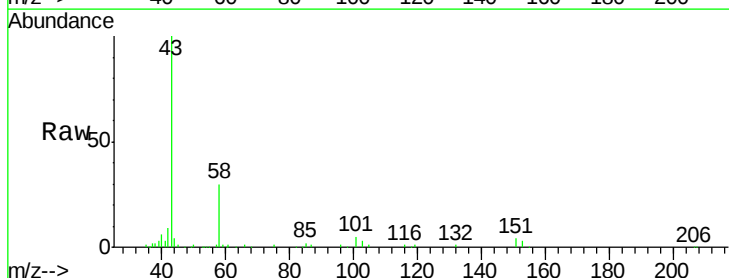
RT: 4.15 min Scan# 379

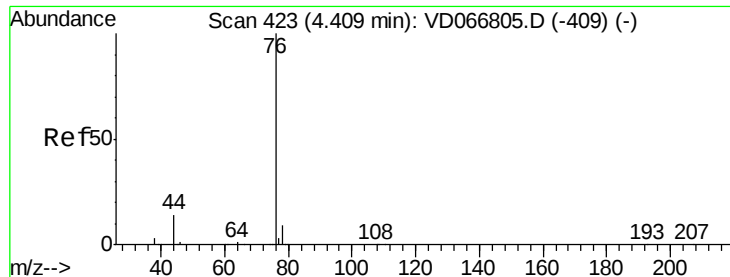
Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion:	43	Resp:	184668
Ion Ratio	Lower	Upper	
43	100		
58	30.3	25.6	38.4





#17

Carbon Disulfide

Concen: 46.175 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 609980

Ion Ratio Lower Upper

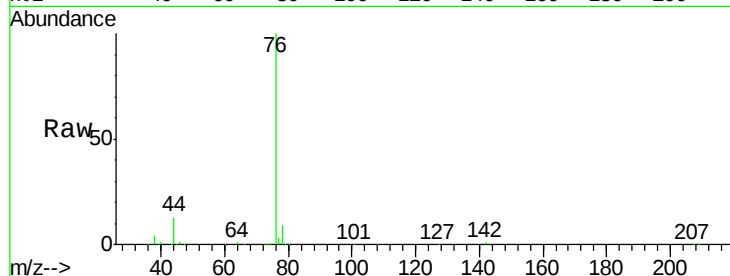
76 100

78 9.2 7.6 11.4

Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:36:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

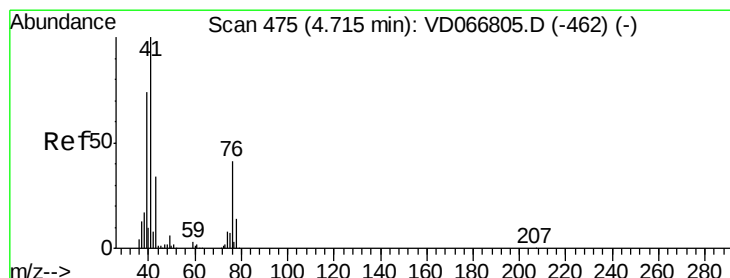
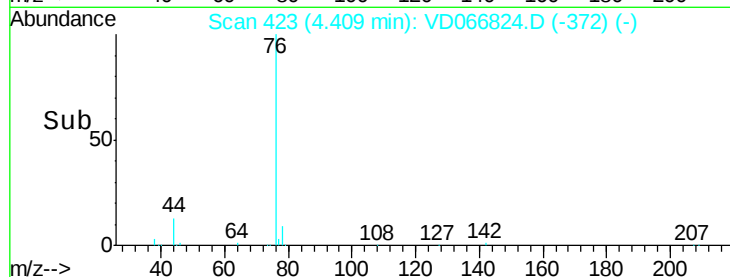
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.419 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066824.D

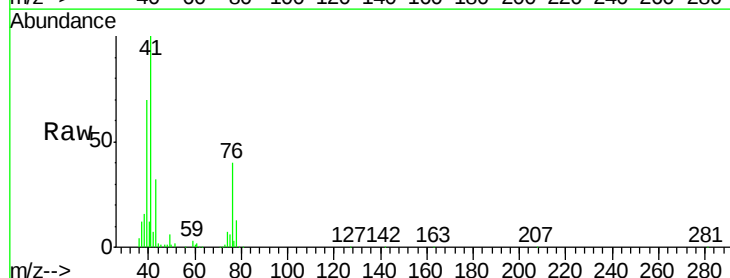
Acq: 23 Sep 2020 10:11

Tgt Ion: 43 Resp: 95421

Ion Ratio Lower Upper

43 100

74 23.9 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

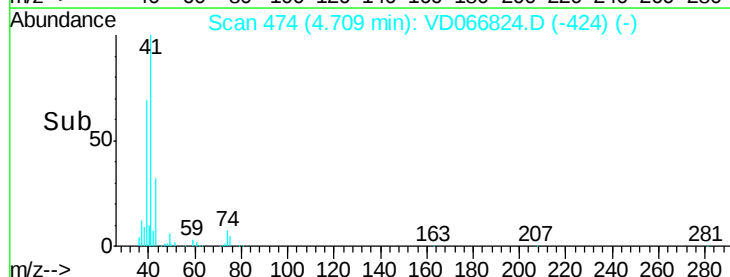
30000

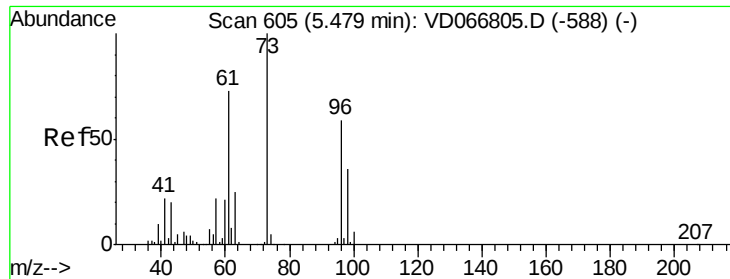
20000

10000

0

Time-->





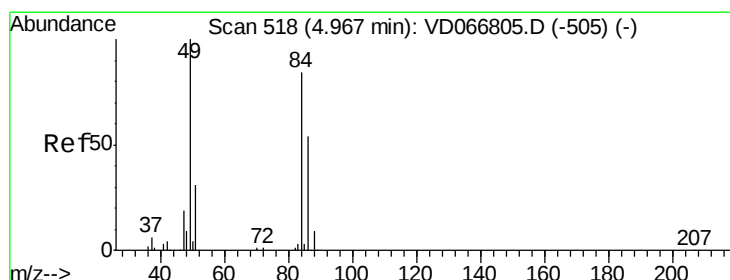
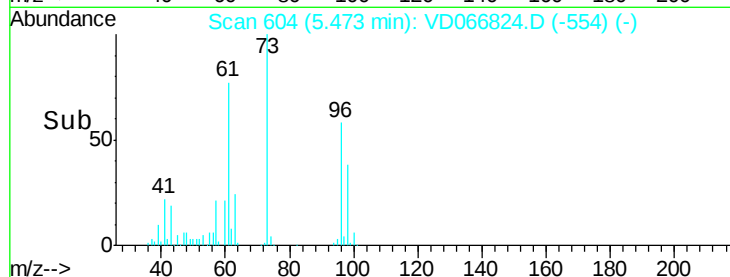
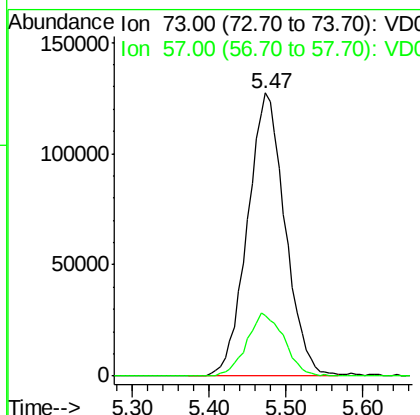
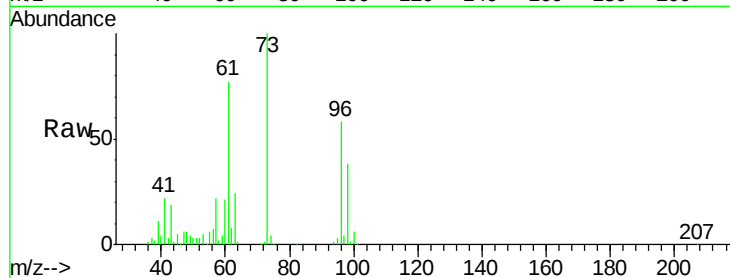
#19
Methvl tert-butvl Ether
Concen: 46.238 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 433872
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2

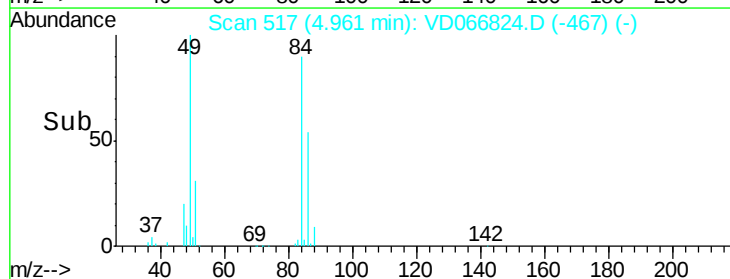
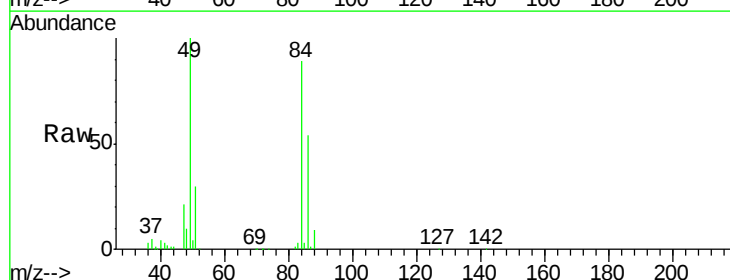
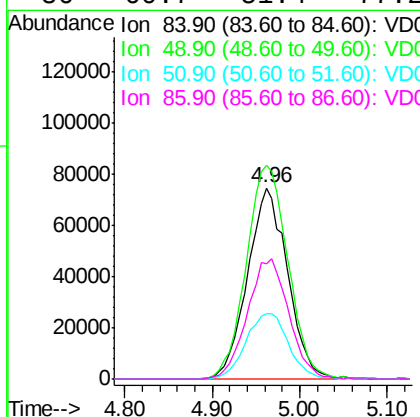
Manual Integrations
APPROVED

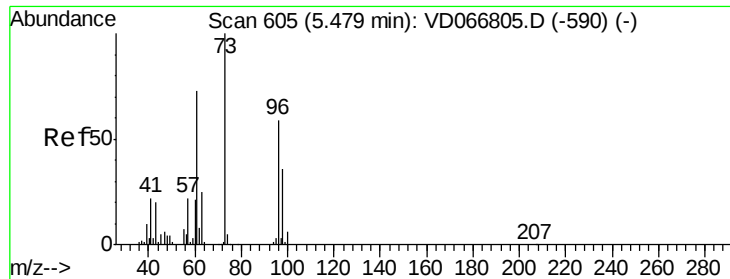
MMDadoda
9/24/2020 1:36:43 PM



#20
Methylene Chloride
Concen: 46.759 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion: 84 Resp: 233070
Ion Ratio Lower Upper
84 100
49 111.9 95.4 143.2
51 34.0 29.7 44.5
86 60.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.987 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

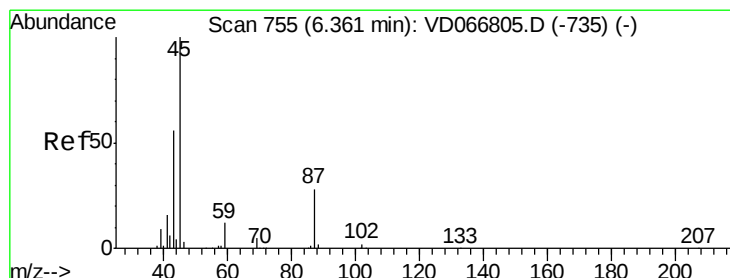
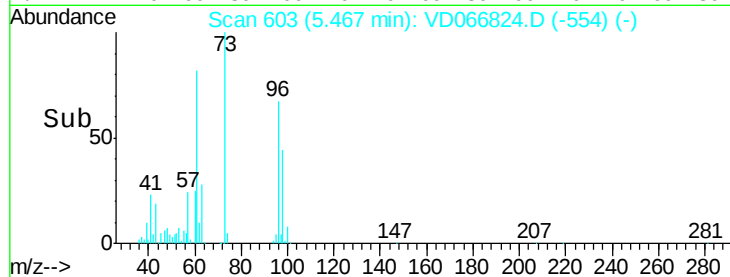
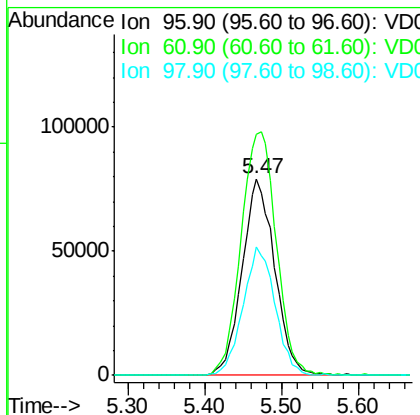
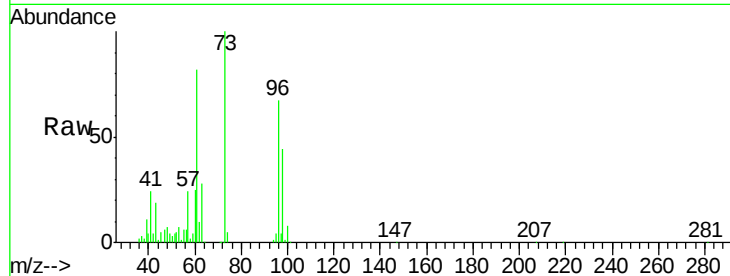
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	235083
Ion Ratio	Lower	Upper	
96	100		
61	122.8	98.9	148.3
98	65.6	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#22

Diisopropyl ether

Concen: 46.835 ug/l

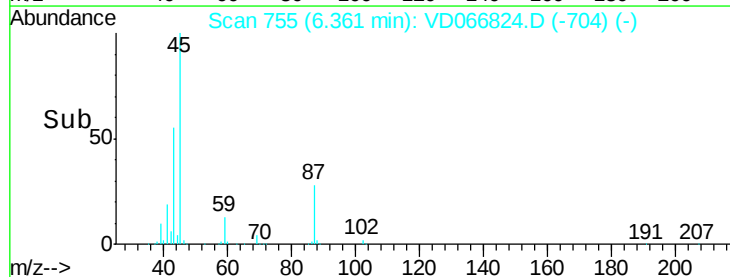
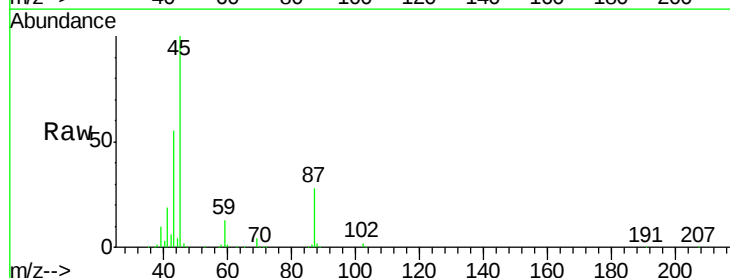
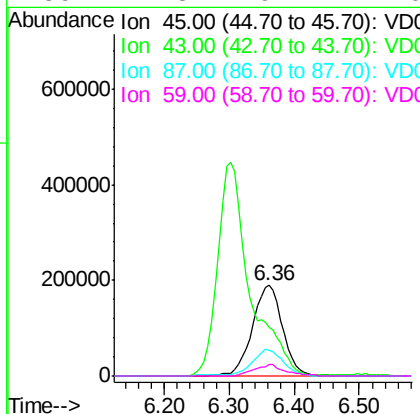
RT: 6.36 min Scan# 755

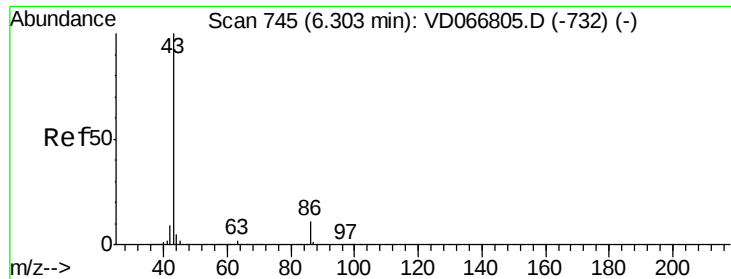
Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion:	45	Resp:	610990
Ion Ratio	Lower	Upper	
45	100		
43	54.0	44.5	66.7
87	27.5	22.9	34.3
59	12.8	9.4	14.0





#23

Vinyl Acetate

Concen: 218.137 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tot Ion: 43 Resp: 1542600

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

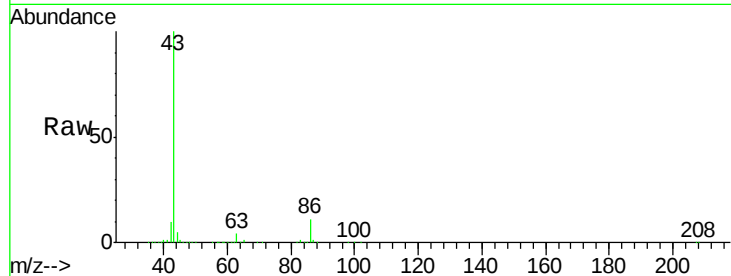
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

400000

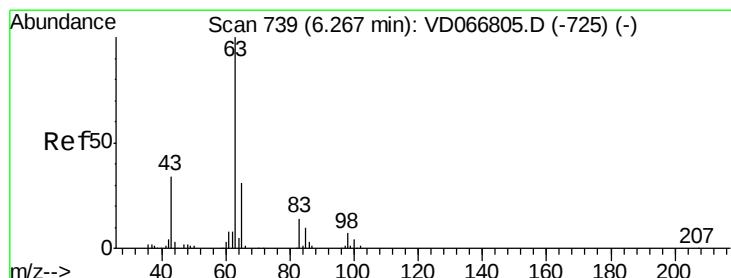
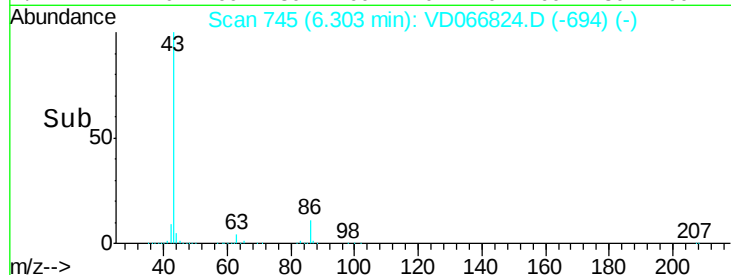
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.409 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

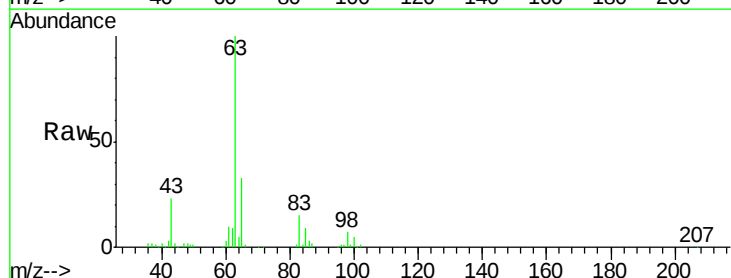
Tgt Ion: 63 Resp: 396301

Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 5.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

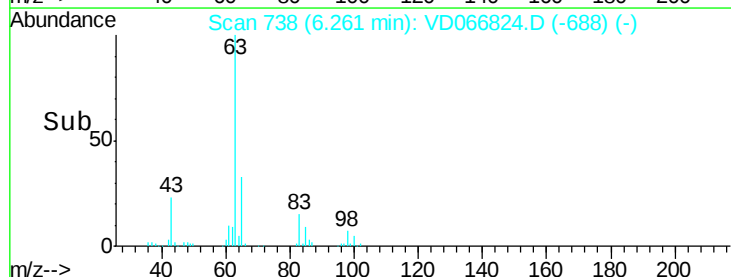
150000

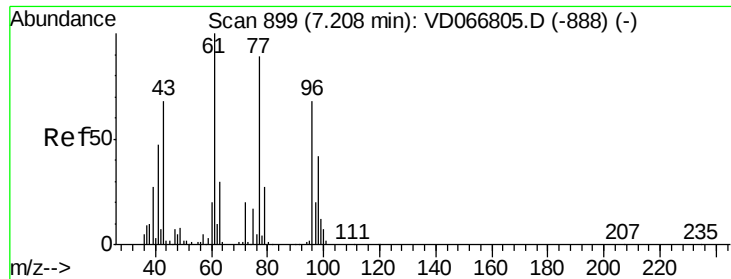
100000

50000

0

Time-->





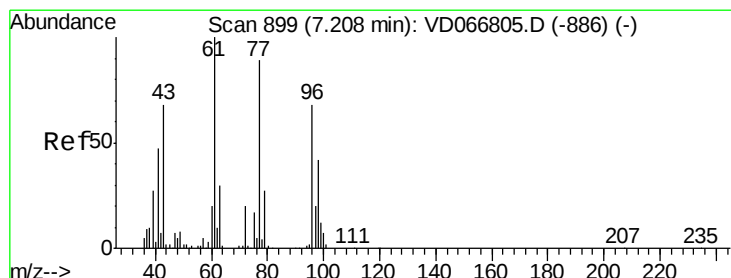
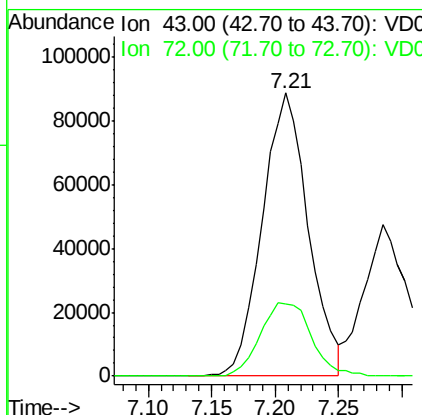
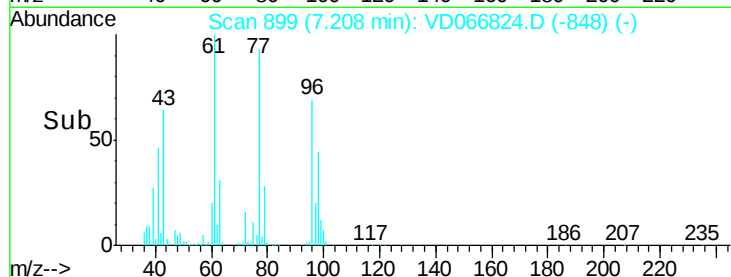
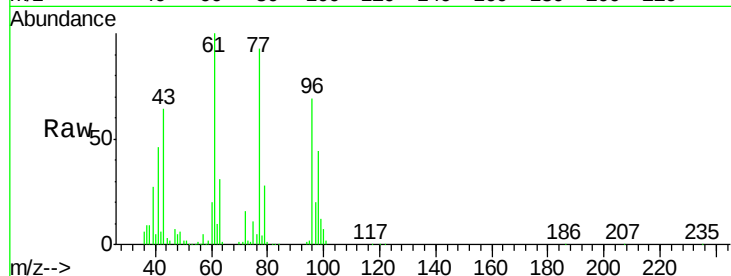
#25
2-Butanone
Concen: 203.775 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 224356
Ion Ratio Lower Upper
43 100
72 25.5 22.9 34.3

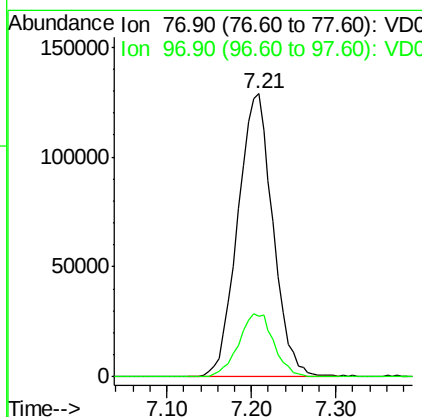
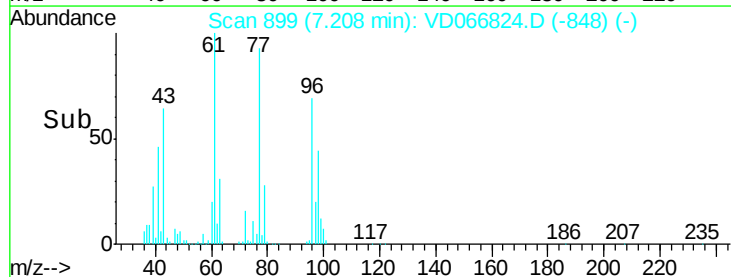
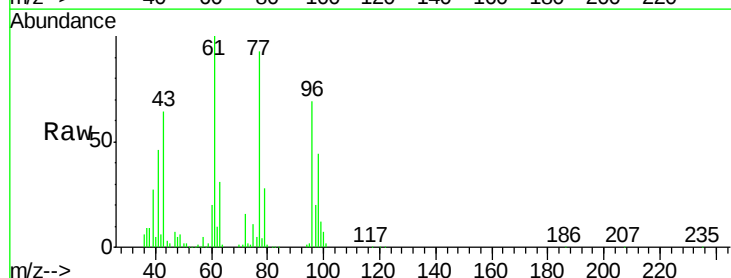
Manual Integrations
APPROVED

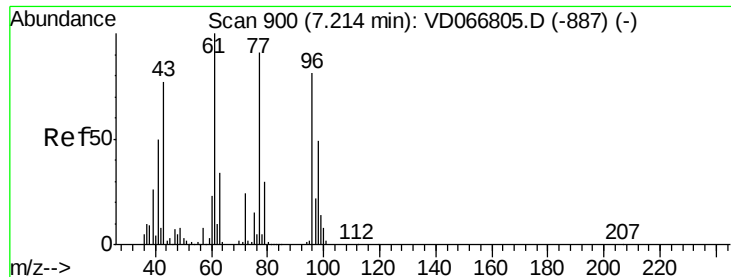
MMDadoda
9/24/2020 1:36:43 PM



#26
2,2-Dichloropropane
Concen: 46.514 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion: 77 Resp: 372074
Ion Ratio Lower Upper
77 100
97 22.4 11.7 35.1





#27

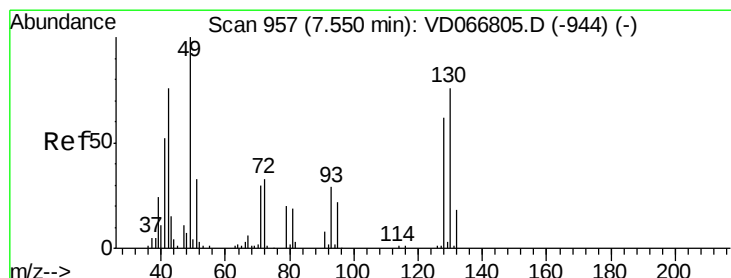
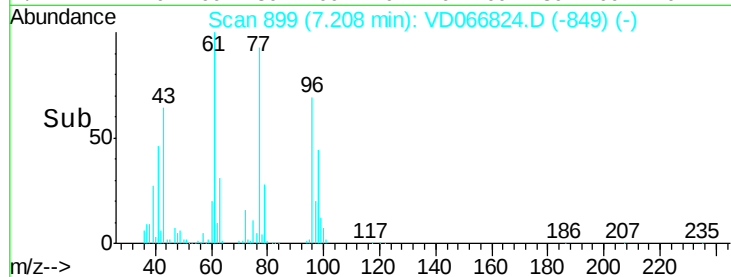
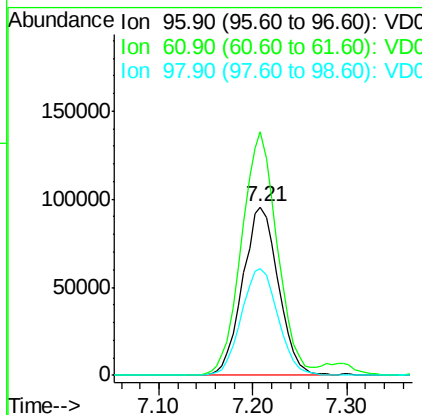
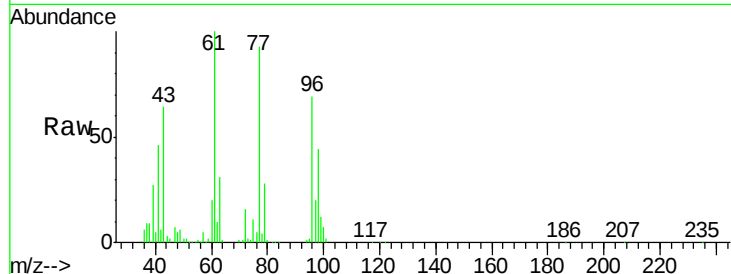
cis-1,2-Dichloroethene
Concen: 46.420 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252342		
61	143.2	0.0	283.8	
98	65.1	0.0	128.4	

Manual Integrations
APPROVED

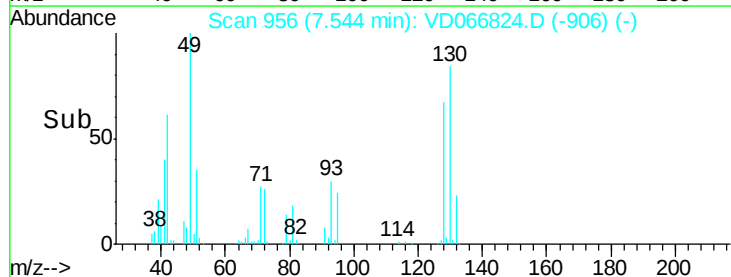
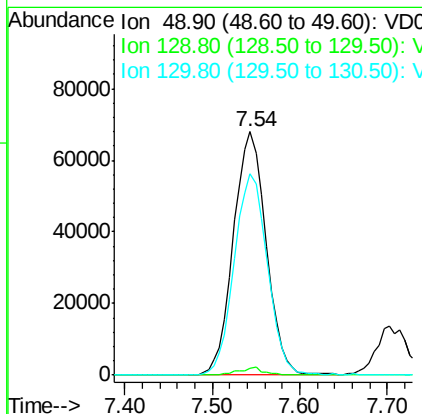
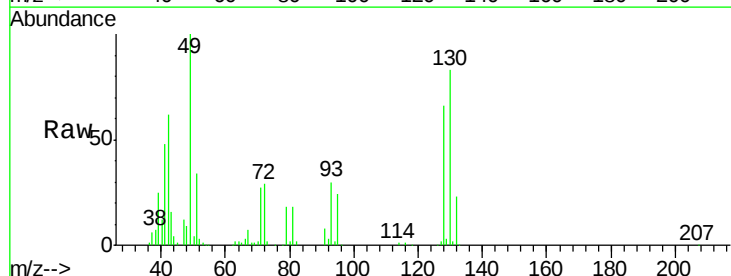
MMDadoda
9/24/2020 1:36:43 PM

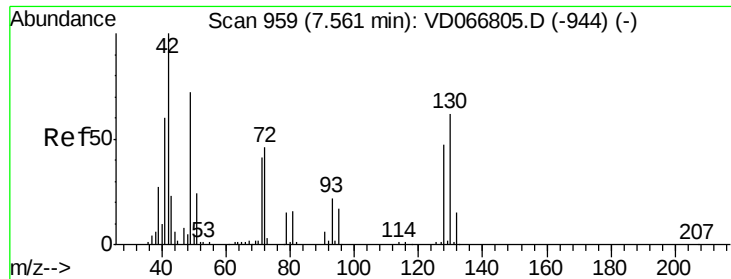


#28

Bromochloromethane
Concen: 47.974 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172970		
129	2.3	0.0	2.0#	
130	83.7	65.9	98.9	





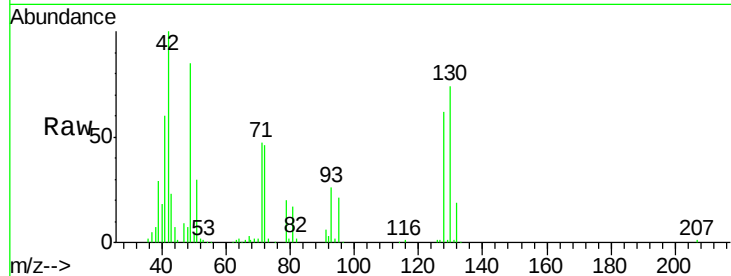
#29
Tetrahydrofuran
Concen: 225.307 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

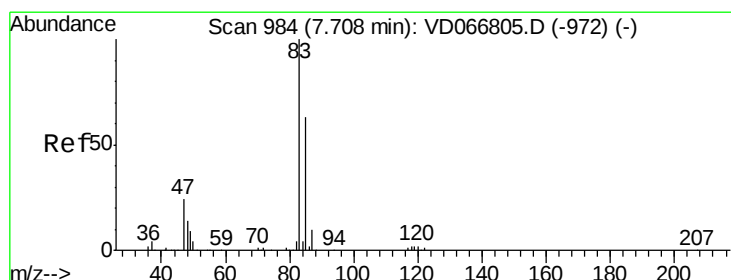
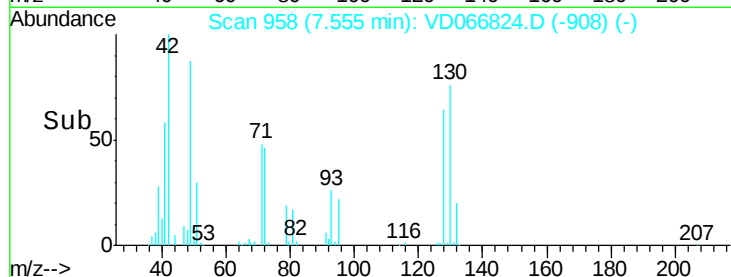
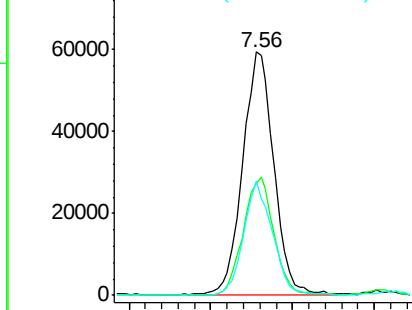
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	36.2	54.4
71	43.0	32.4	48.6

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM

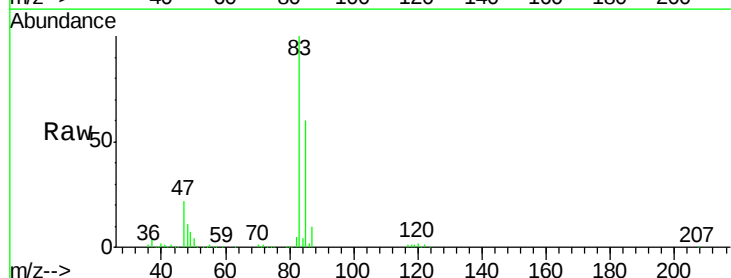


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

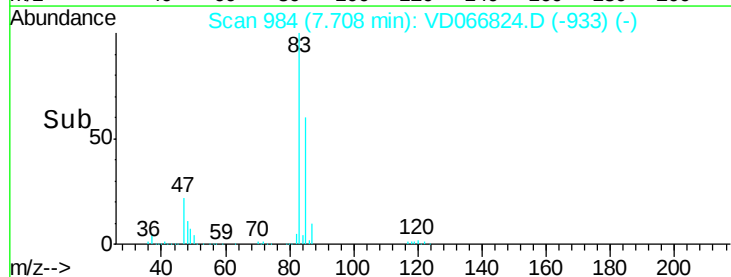
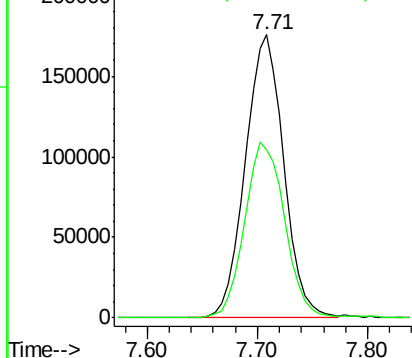


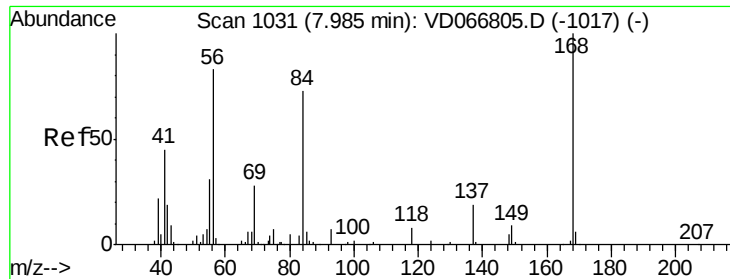
#30
Chloroform
Concen: 45.637 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.6	75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





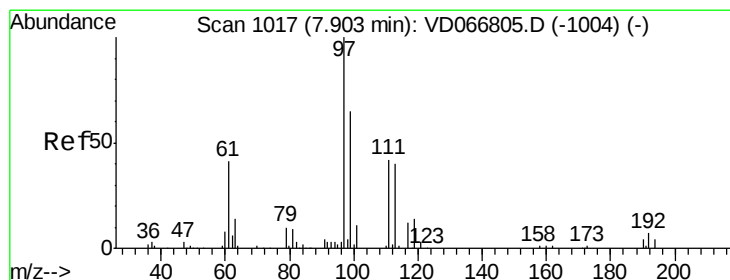
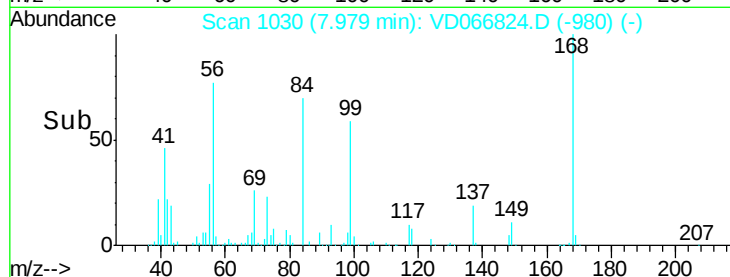
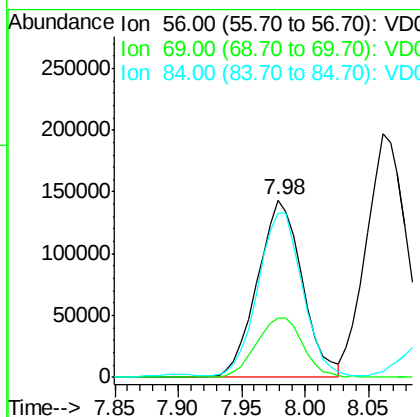
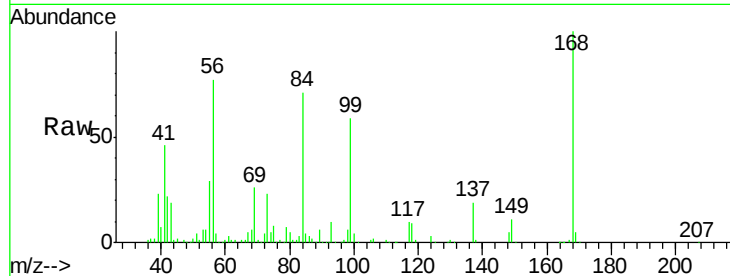
#31
Cyclohexane
Concen: 45.050 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	27.0	40.4
84	90.5	70.2	105.4

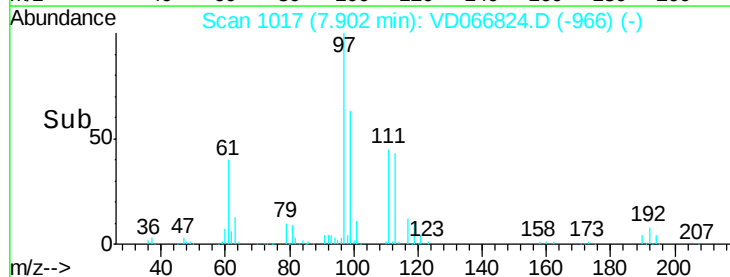
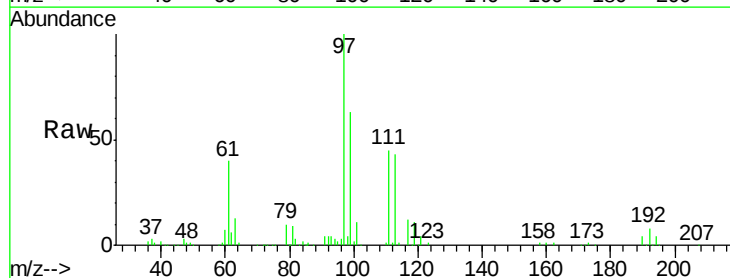
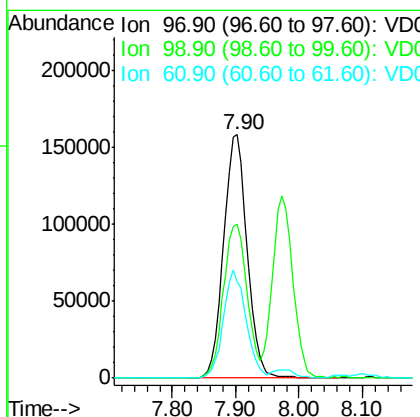
Manual Integrations
APPROVED

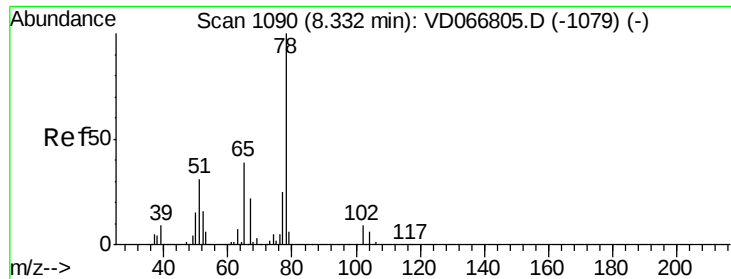
MMDadoda
9/24/2020 1:36:43 PM



#32
1,1,1-Trichloroethane
Concen: 47.641 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	42.5	34.2	51.4





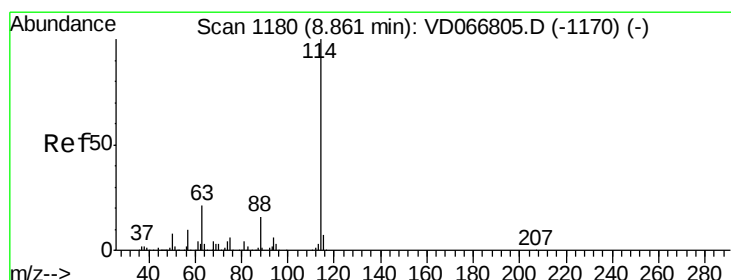
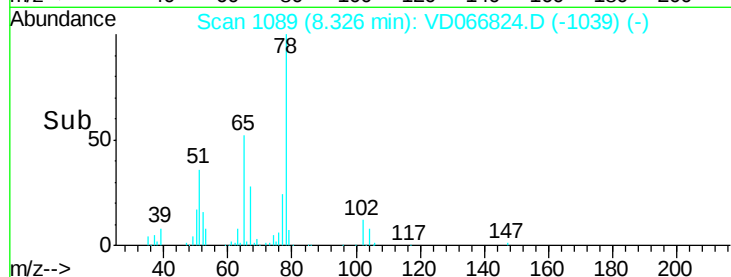
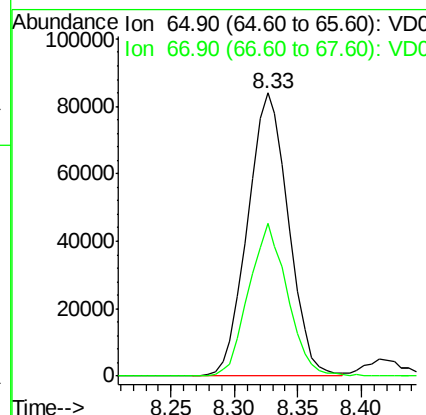
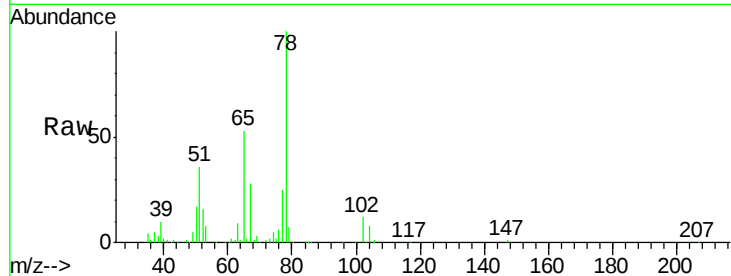
#33
 1,2-Dichloroethane-d4
 Concen: 43.601 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188307		
67	51.2	0.0	107.2	

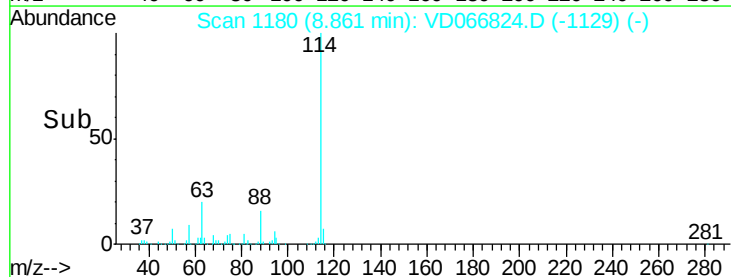
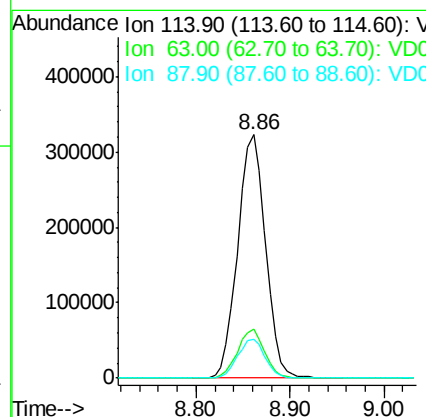
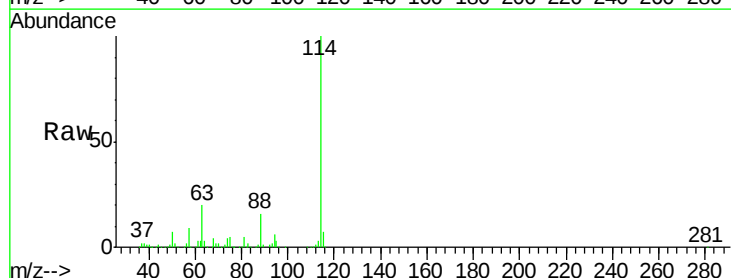
Manual Integrations
 APPROVED

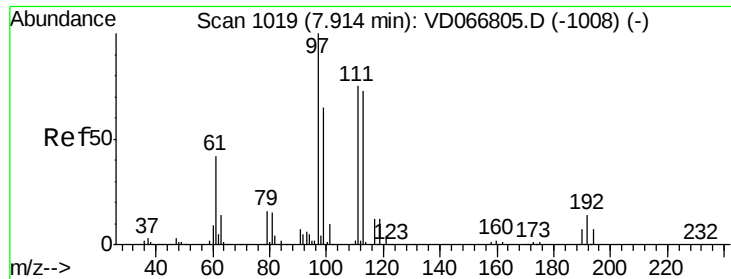
MMDadoda
 9/24/2020 1:36:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	666336		
63	20.2	0.0	42.6	
88	15.8	0.0	32.6	





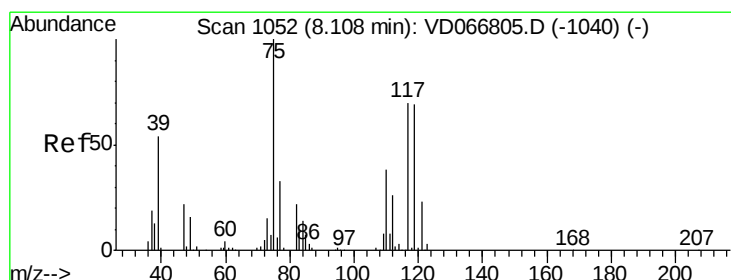
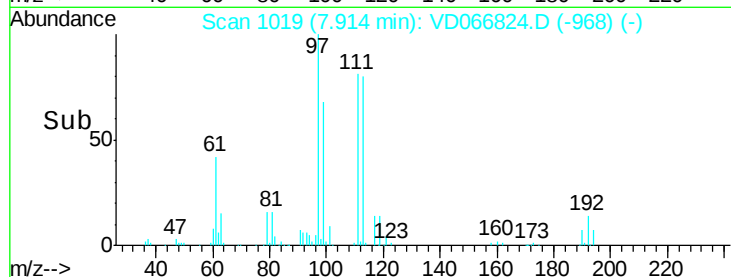
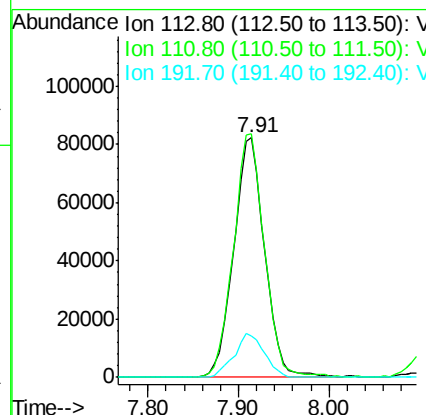
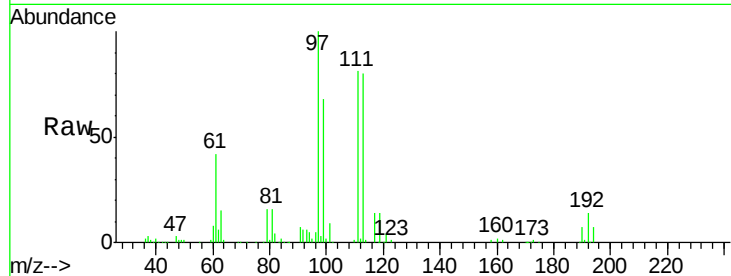
#35
Dibromofluoromethane
Concen: 46.027 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195117		
111	102.1	81.8	122.8	
192	17.9	14.4	21.6	

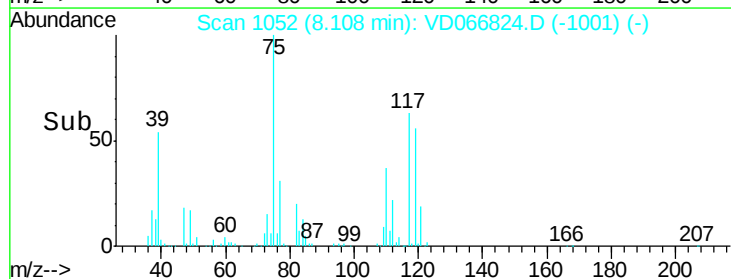
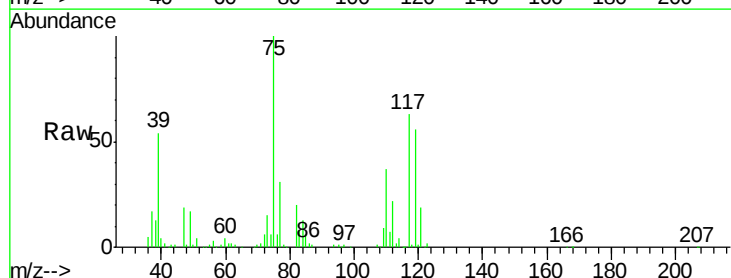
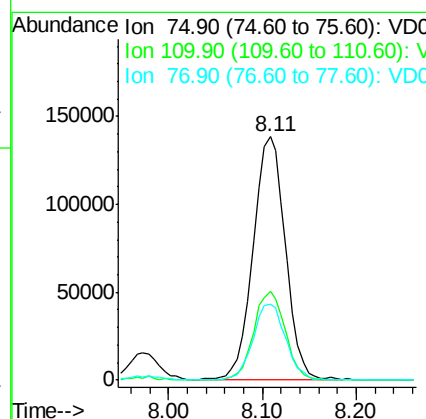
Manual Integrations
APPROVED

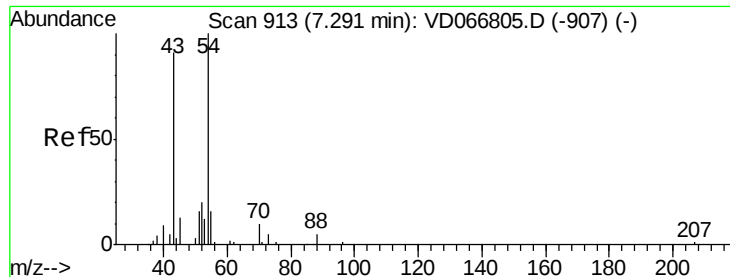
MMDadoda
9/24/2020 1:36:43 PM



#36
1,1-Dichloropropene
Concen: 49.482 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	327105		
110	36.1	17.9	53.8	
77	32.0	25.0	37.6	





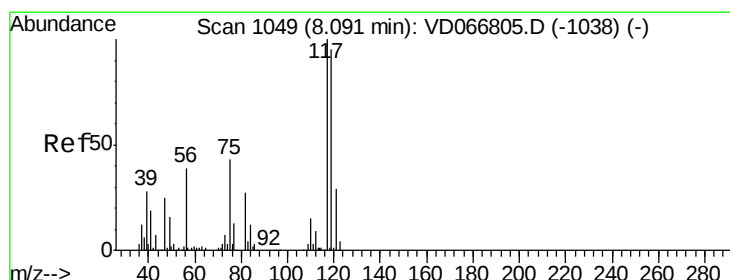
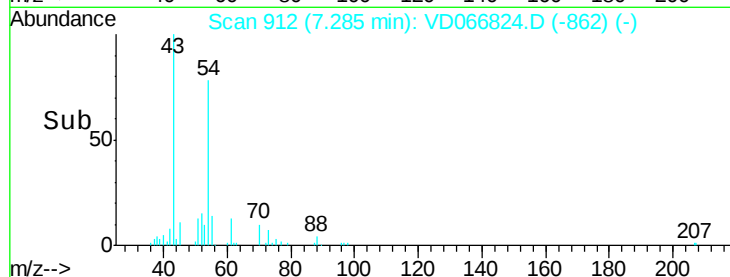
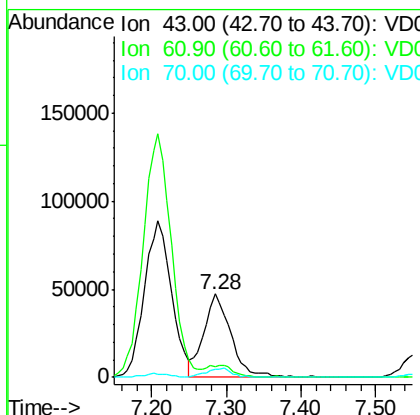
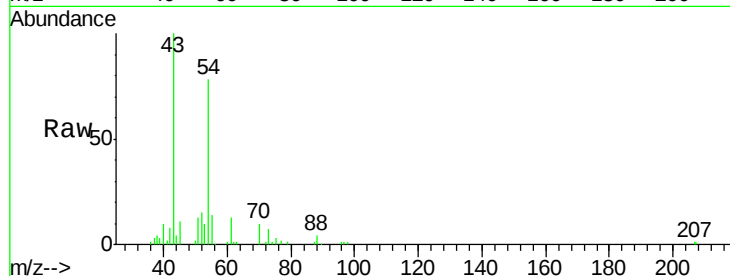
#37
Ethyl Acetate
Concen: 50.505 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	10.0	8.5	12.7

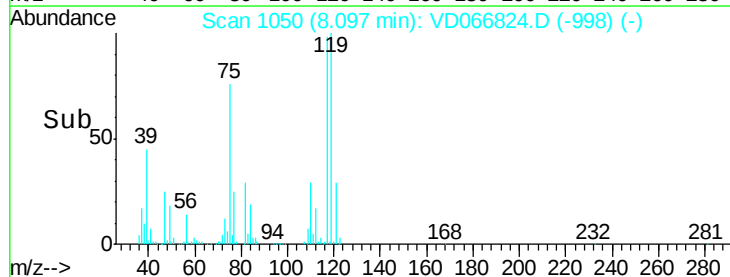
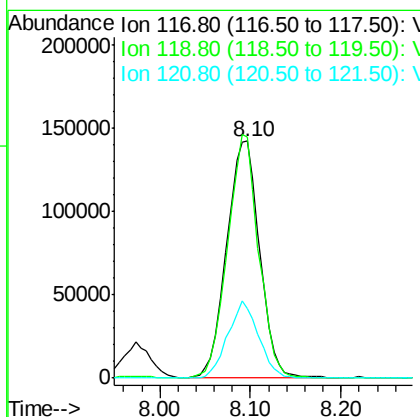
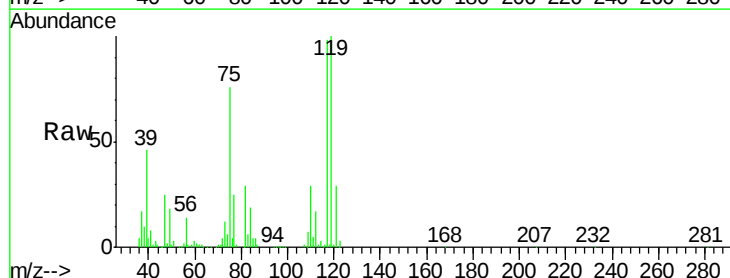
Manual Integrations
APPROVED

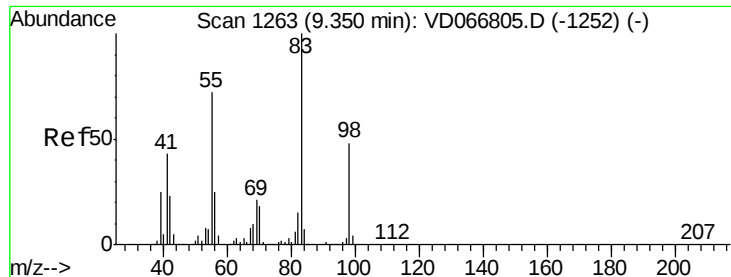
MMDadoda
9/24/2020 1:36:43 PM



#38
Carbon Tetrachloride
Concen: 49.499 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.6	75.8	113.8
121	29.5	23.4	35.0





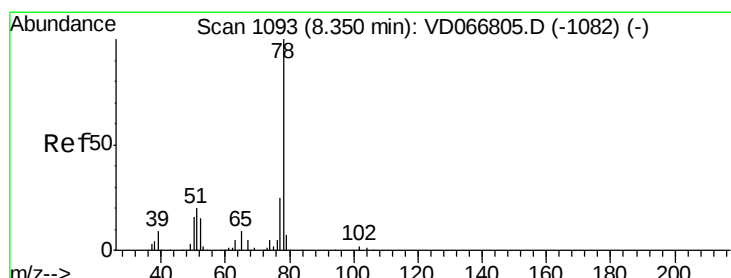
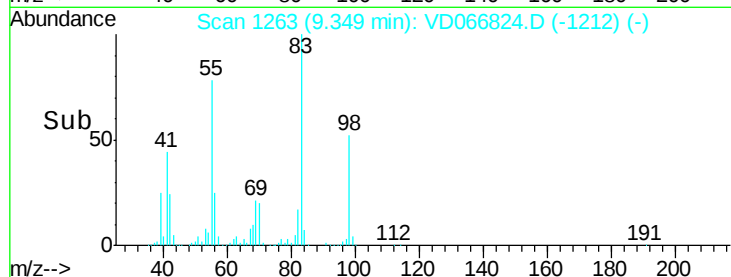
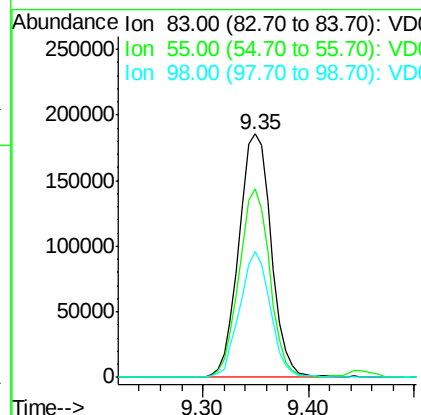
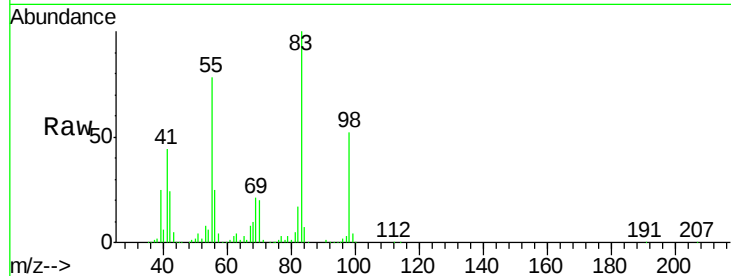
#39
Methvlcvclohexane
Concen: 52.023 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	394851
Ion Ratio	Lower	Upper	
83	100		
55	77.7	57.7	86.5
98	51.9	38.4	57.6

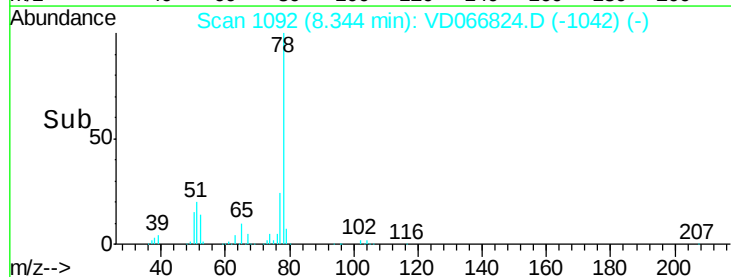
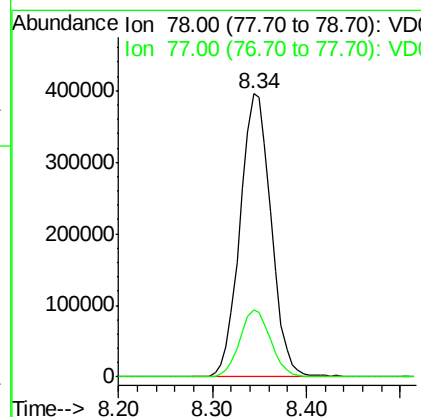
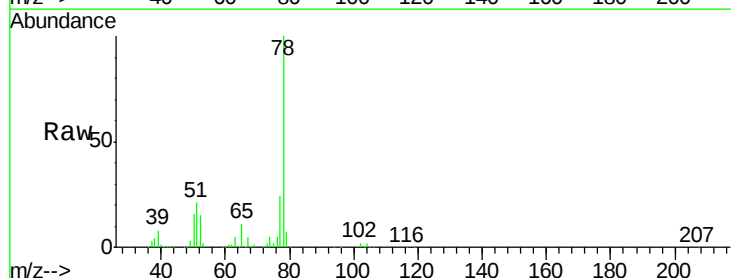
Manual Integrations
APPROVED

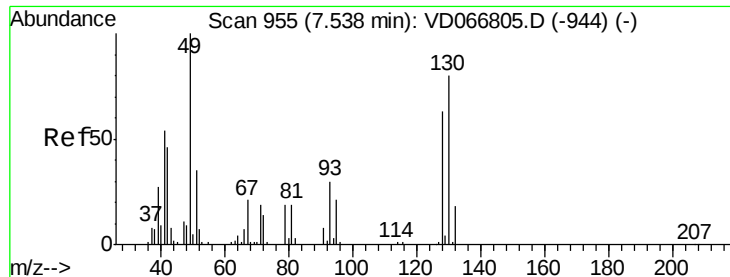
MMDadoda
9/24/2020 1:36:43 PM



#40
Benzene
Concen: 49.160 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	78	Resp	905702
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.9	29.9





#41

Methacrylonitrile

Concen: 51.744 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 76045

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

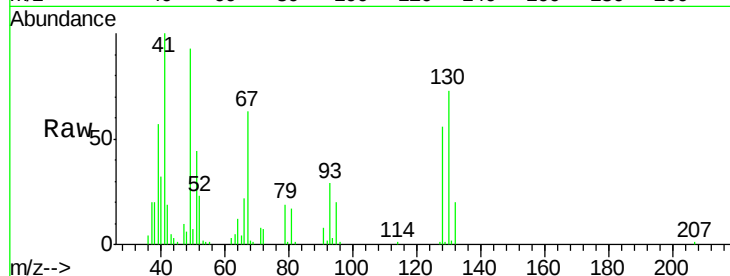
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM

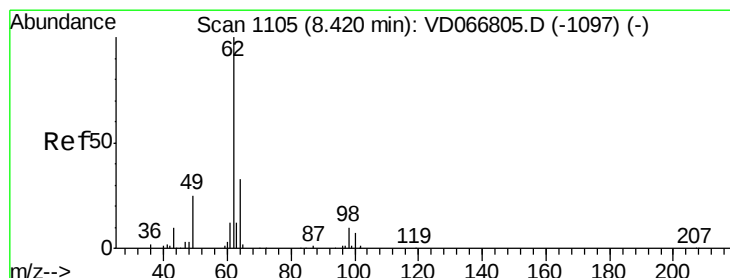
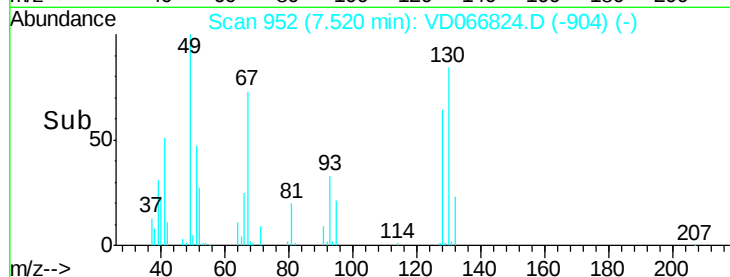
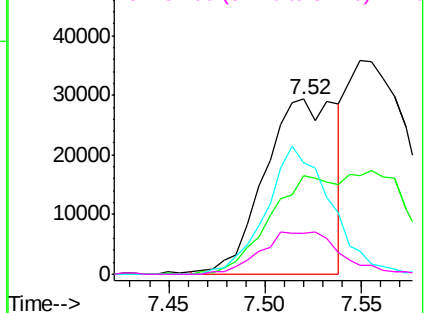


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.882 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066824.D

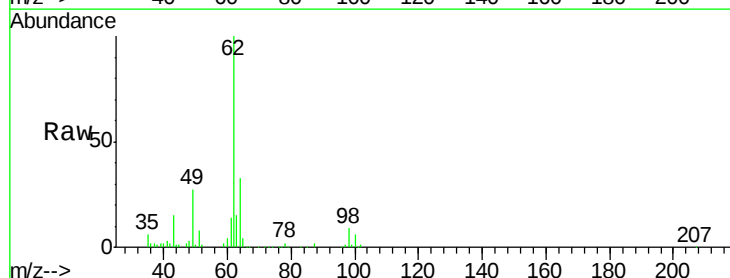
Acq: 23 Sep 2020 10:11

Tgt Ion: 62 Resp: 260789

Ion Ratio Lower Upper

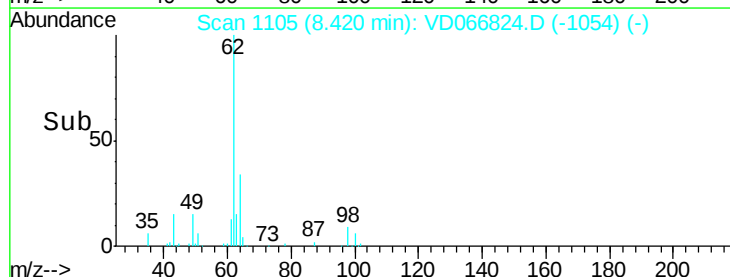
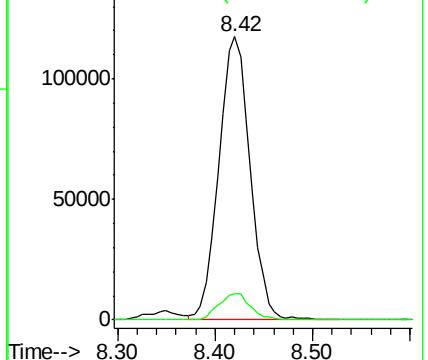
62 100

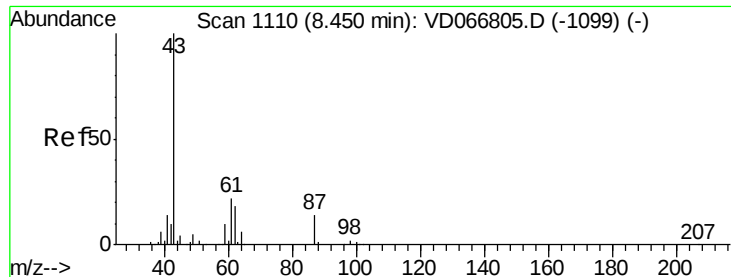
98 9.6 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





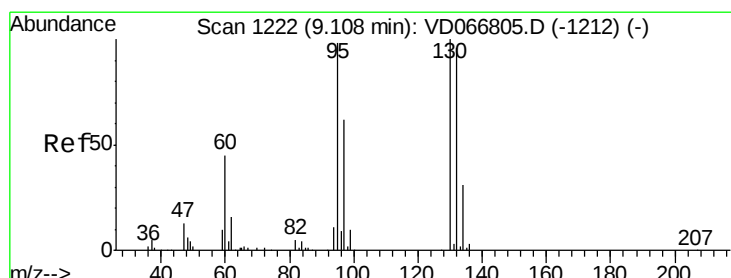
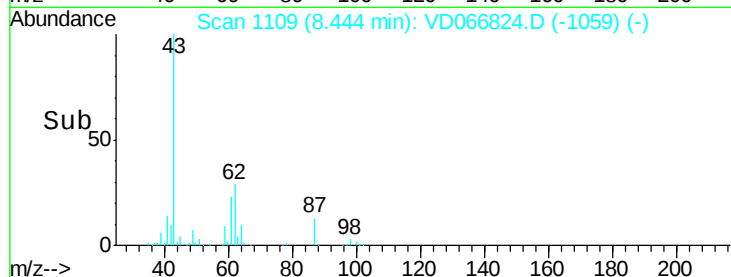
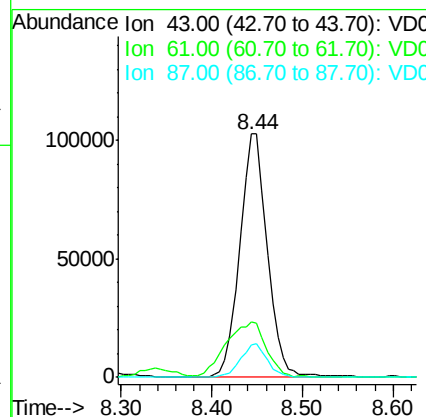
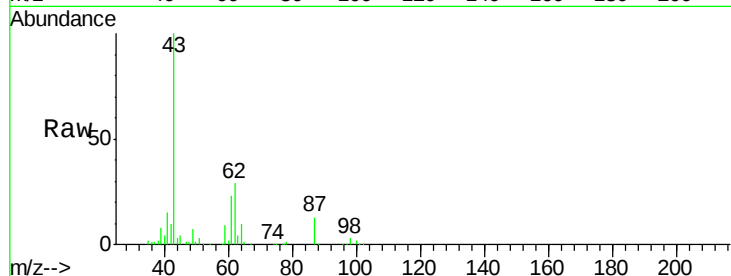
#43
Isopropyl Acetate
Concen: 47.320 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	218020		
61	33.2		26.2	39.4
87	13.2		11.5	17.3

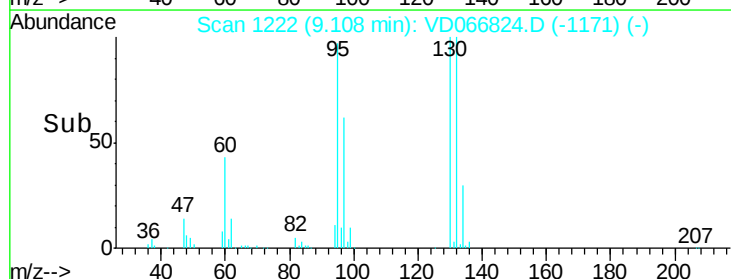
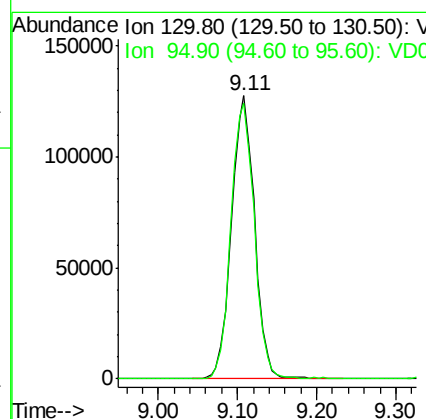
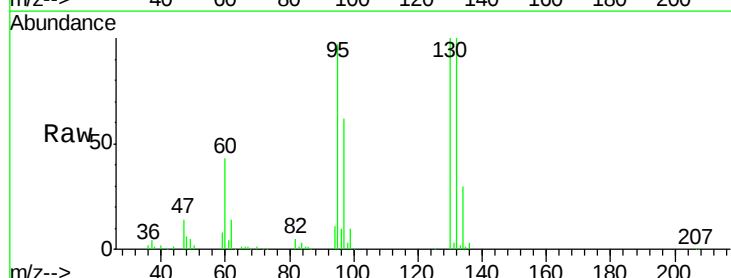
Manual Integrations
APPROVED

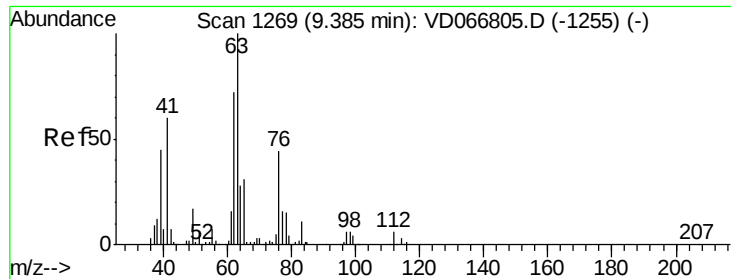
MMDadoda
9/24/2020 1:36:43 PM



#44
Trichloroethene
Concen: 48.865 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	256605		
95	97.2		0.0	197.0





#45

1,2-Dichloropropane

Concen: 48.791 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 226166

Ion Ratio Lower Upper

63 100

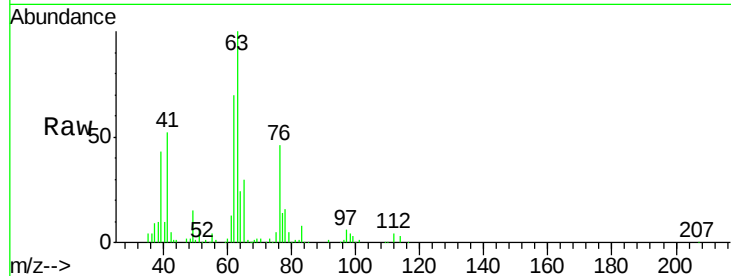
65 29.5 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

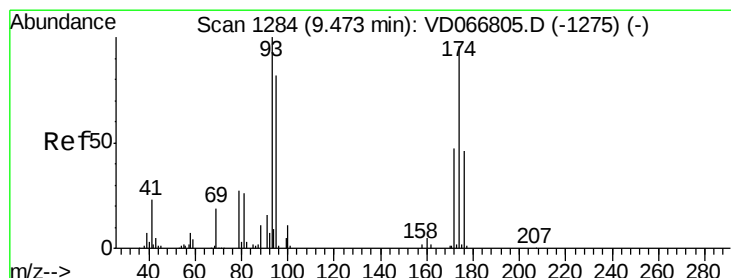
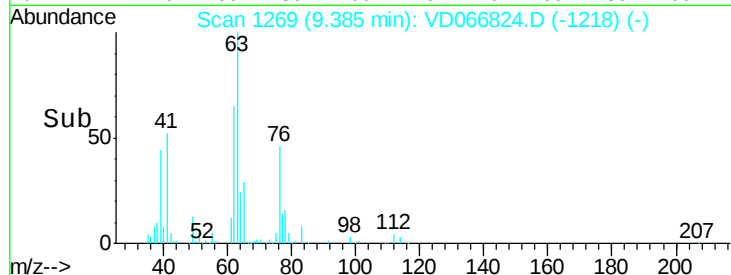
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 49.060 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

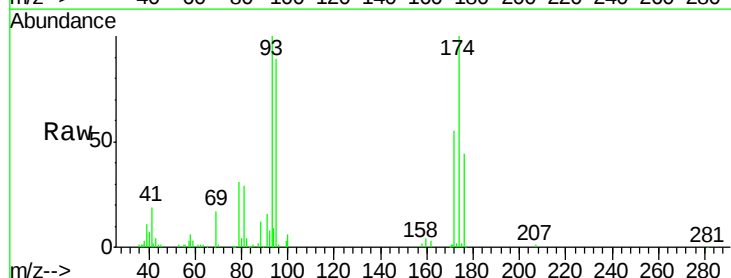
Tgt Ion: 93 Resp: 123560

Ion Ratio Lower Upper

93 100

95 84.8 65.3 97.9

174 96.8 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

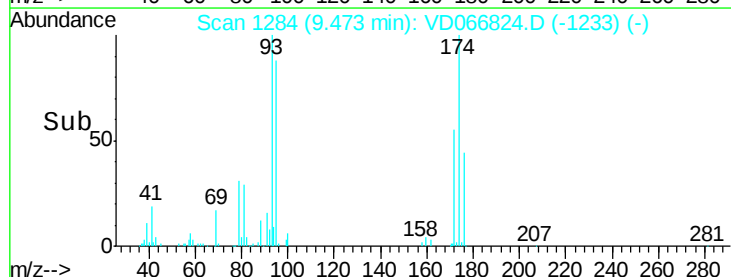
60000

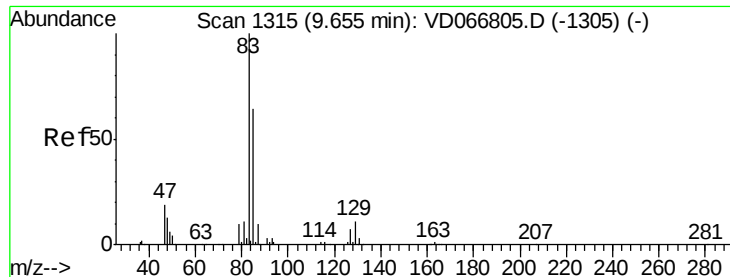
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 47.986 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

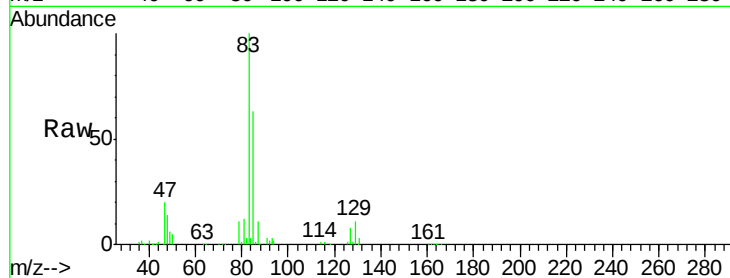
ClientSampleId :

VSTDCCC050

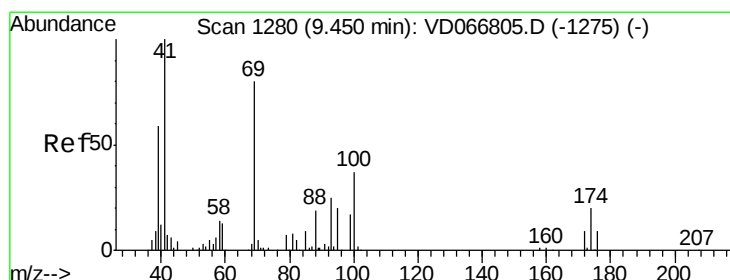
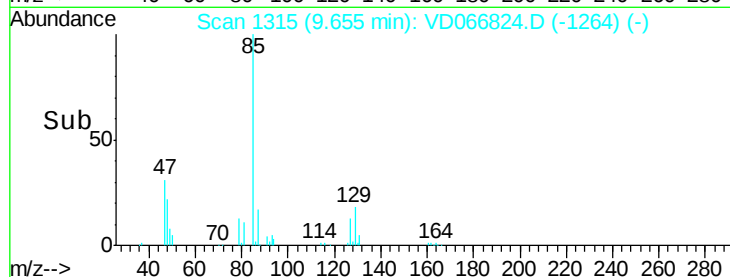
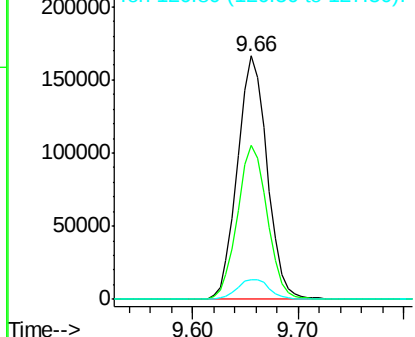
Tot Ion:	83	Resp:	324655
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	8.2	5.9	8.9

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.358 ug/l

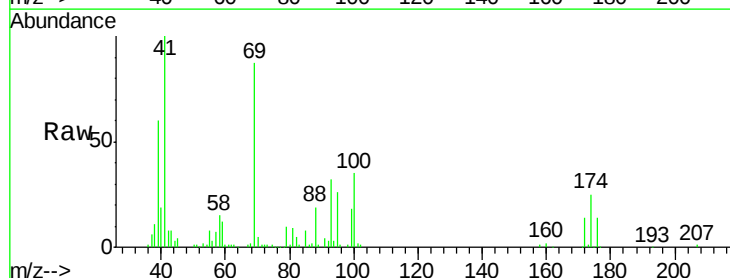
RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

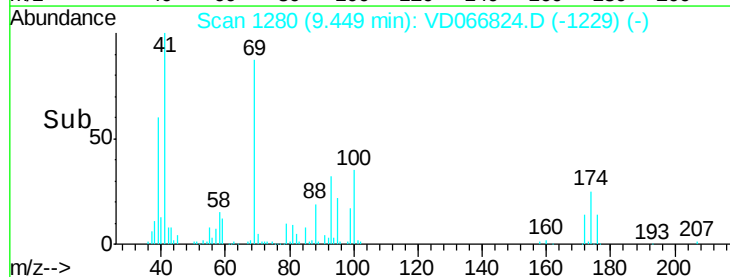
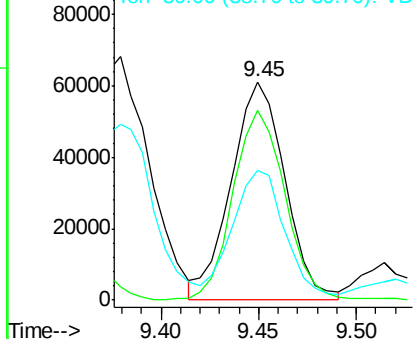
Lab File: VD066824.D

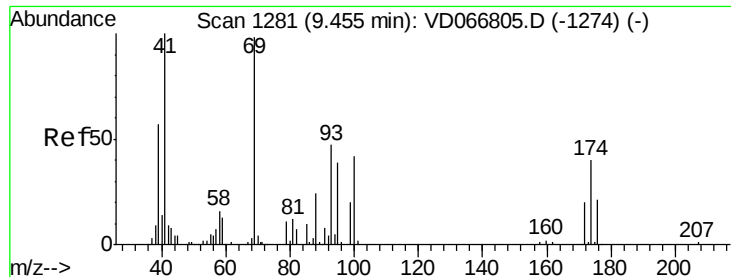
Acq: 23 Sep 2020 10:11

Tgt Ion:	41	Resp:	116668
Ion	Ratio	Lower	Upper
41	100		
69	82.9	74.5	111.7
39	52.9	47.0	70.6



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





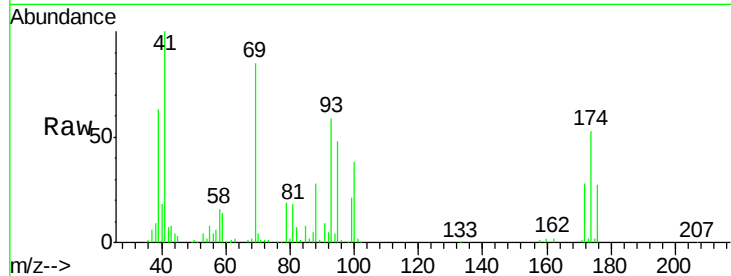
#49
1,4-Dioxane
Concen: 1013.862 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	28916
Ion	Ratio	Lower	Upper
88	100		
43	37.6	27.7	41.5
58	65.2	55.5	83.3

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM

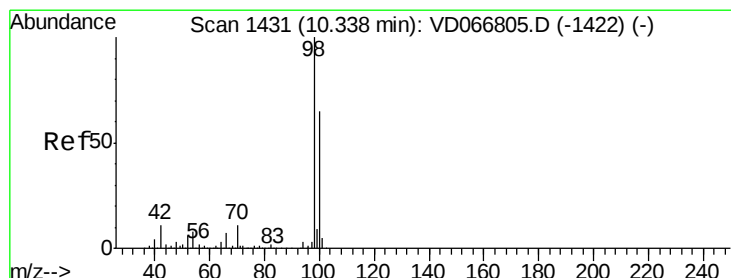
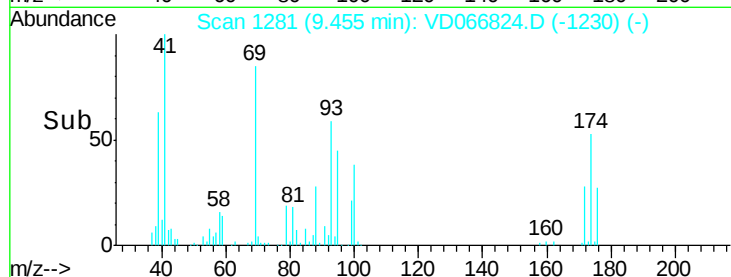
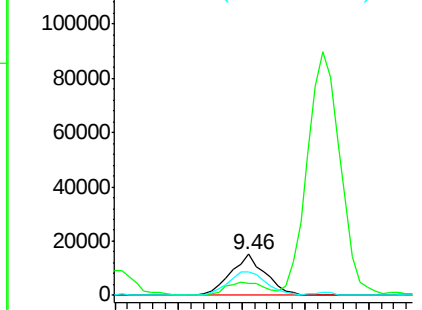


Abundance

Ion 88.00 (87.70 to 88.70): VDC

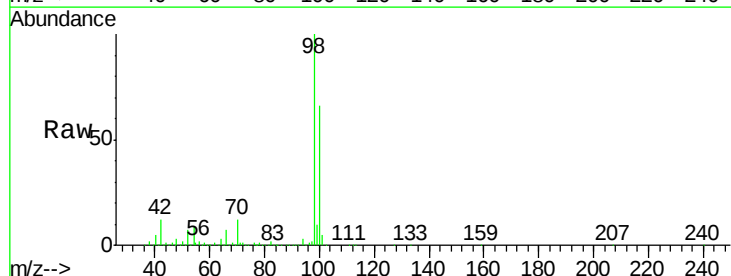
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 48.684 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

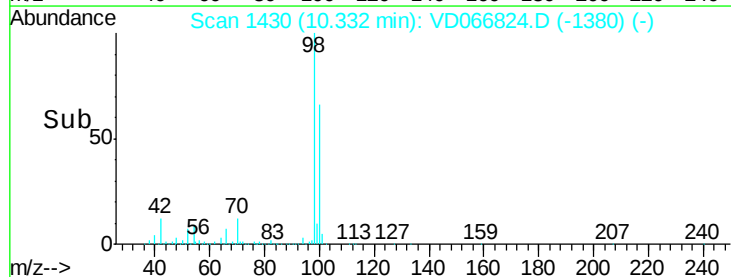
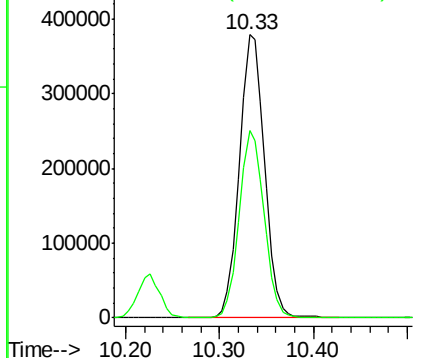
Tgt Ion	98	Resp	703179
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2

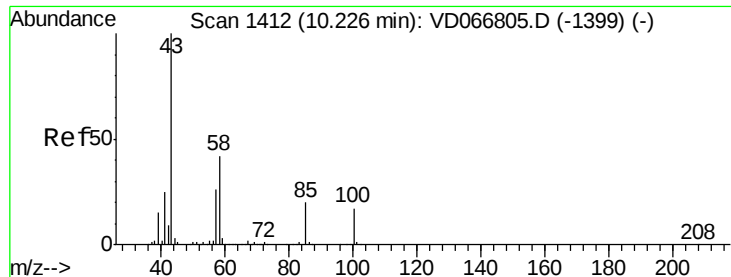


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 240.671 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 561866

Ion Ratio Lower Upper

43 100

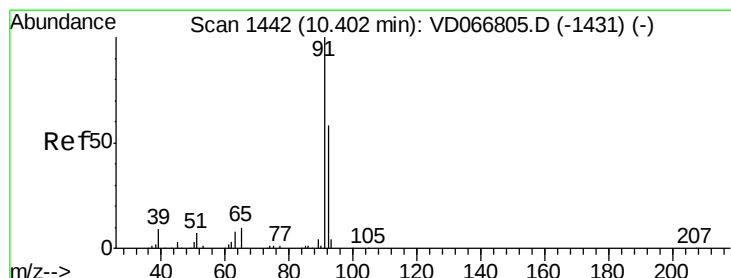
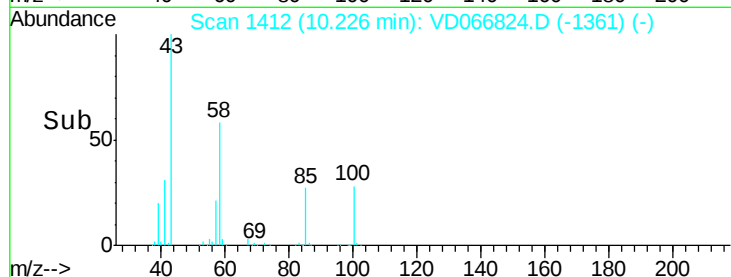
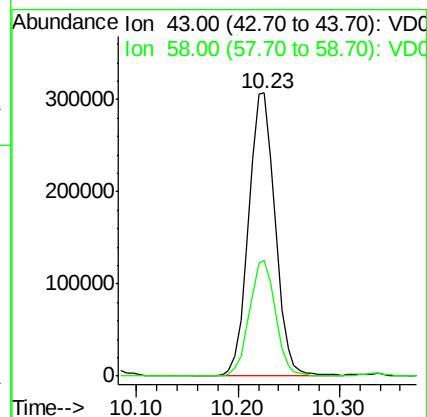
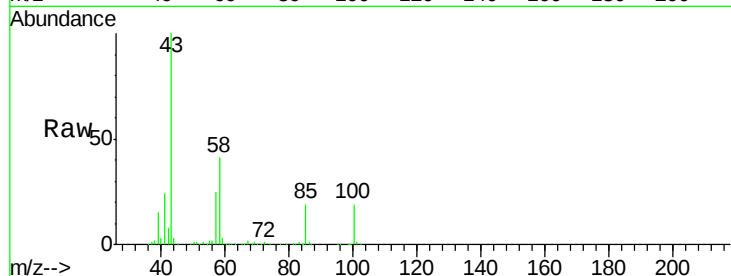
58 40.1 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM



#52

Toluene

Concen: 50.371 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066824.D

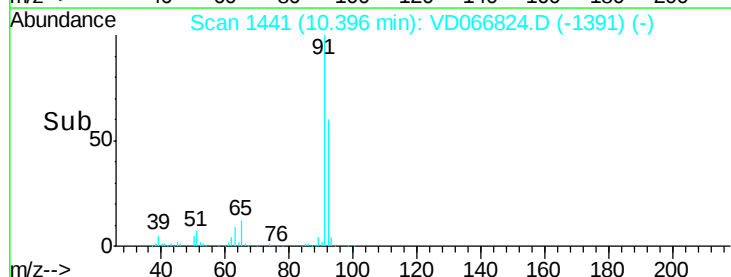
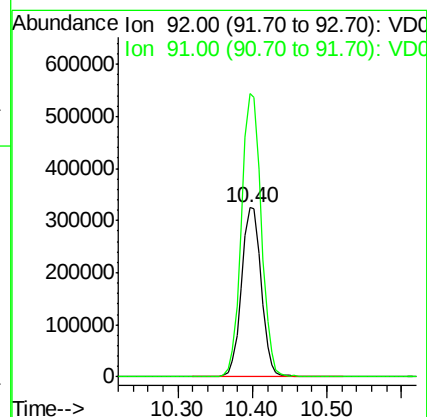
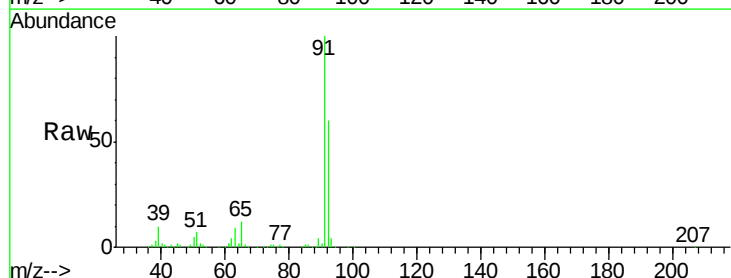
Acq: 23 Sep 2020 10:11

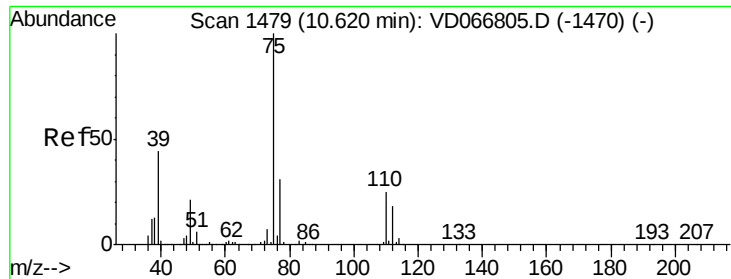
Tgt Ion: 92 Resp: 597761

Ion Ratio Lower Upper

92 100

91 168.2 134.6 202.0





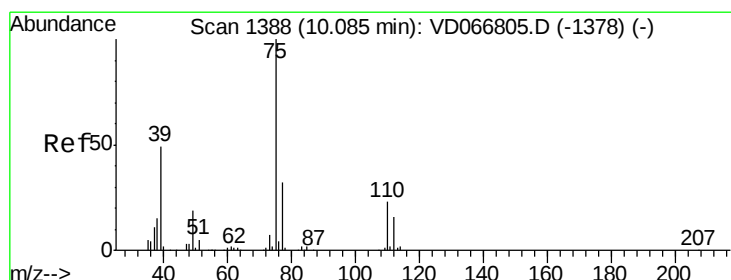
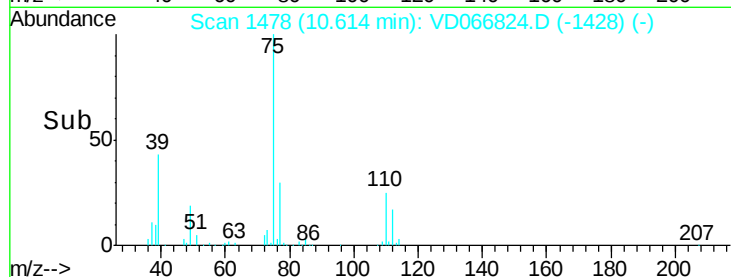
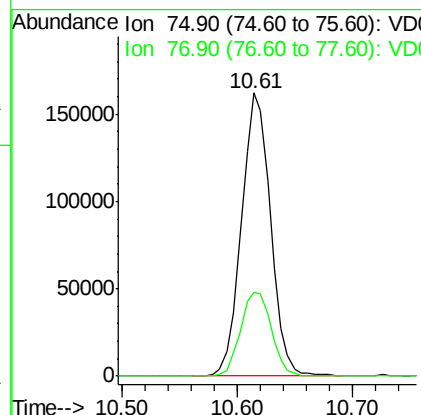
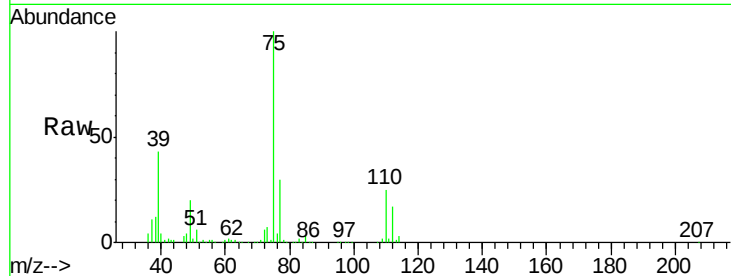
#53
t-1,3-Dichloropropene
Concen: 49.022 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	282290		
77	29.5		24.5	36.7

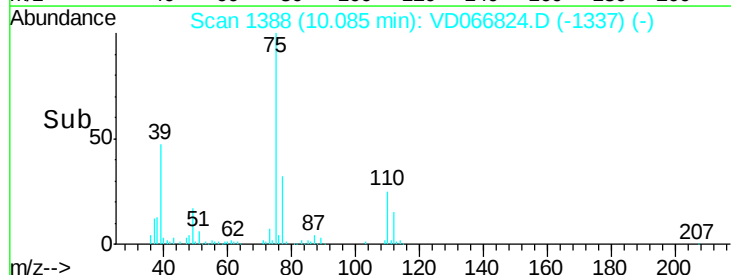
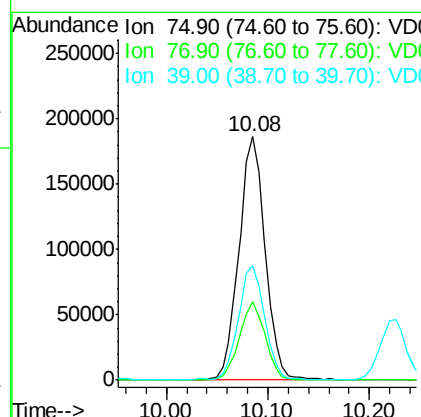
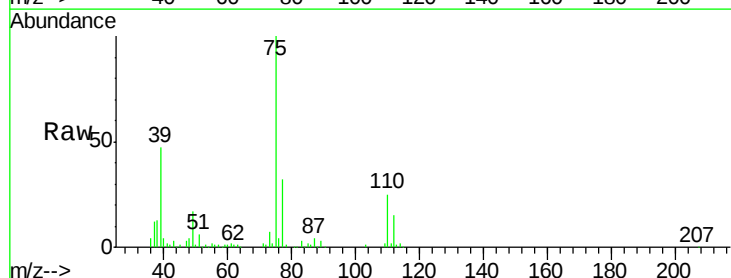
Manual Integrations
APPROVED

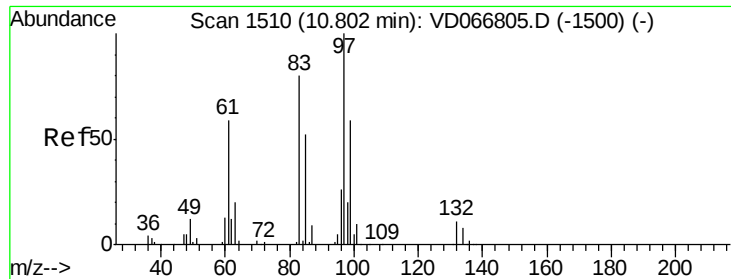
MMDadoda
9/24/2020 1:36:43 PM



#54
cis-1,3-Dichloropropene
Concen: 47.670 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	334713		
77	32.2		25.6	38.4
39	46.8		39.2	58.8





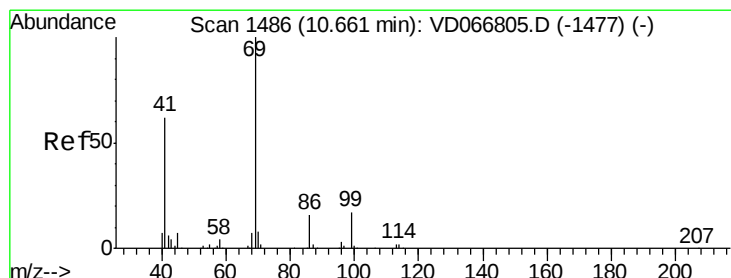
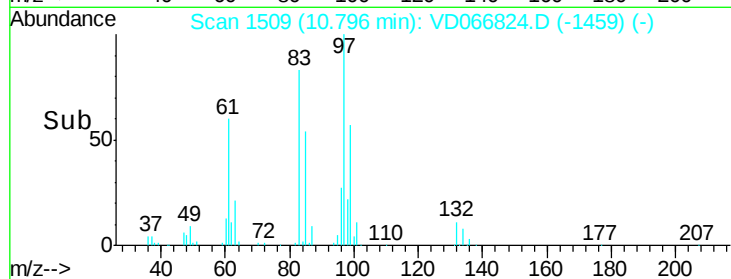
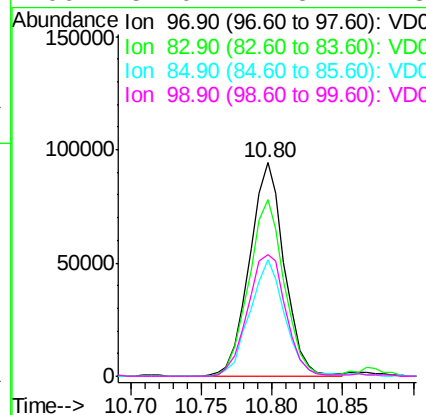
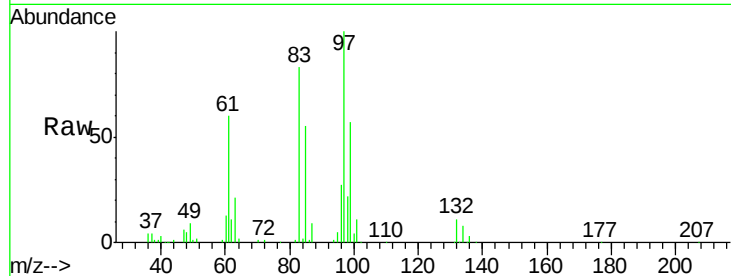
#55
 1,1,2-Trichloroethane
 Concen: 47.159 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		163276		
83	82.9	64.2	96.2		
85	54.6	41.9	62.9		
99	57.0	47.5	71.3		

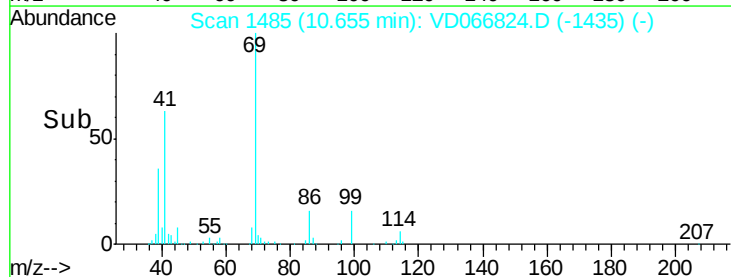
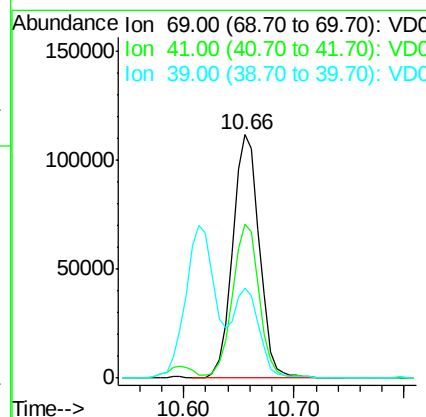
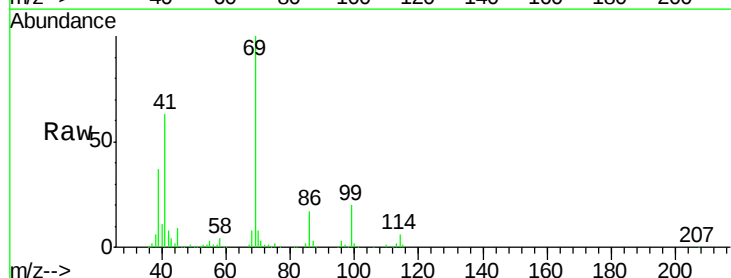
Manual Integrations
 APPROVED

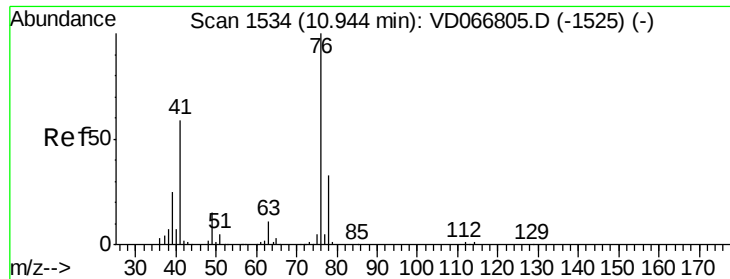
MMDadoda
 9/24/2020 1:36:43 PM



#56
 Ethyl methacrylate
 Concen: 50.818 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		188485		
41	63.7	52.2	78.2		
39	36.5	26.6	40.0		





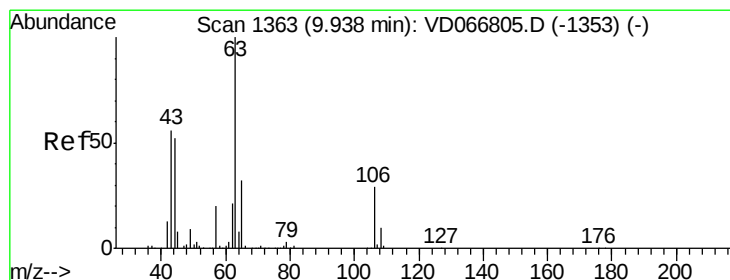
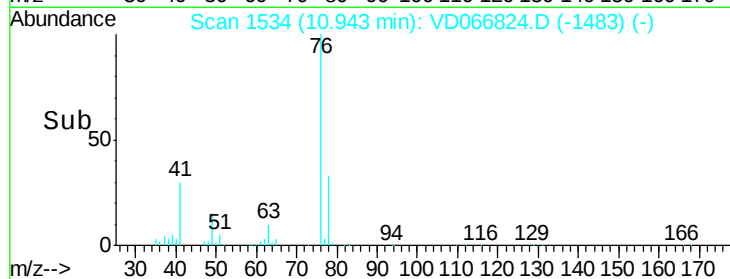
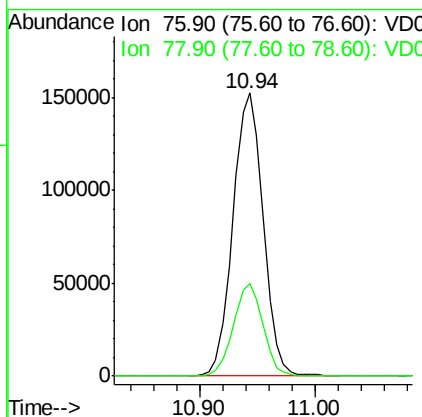
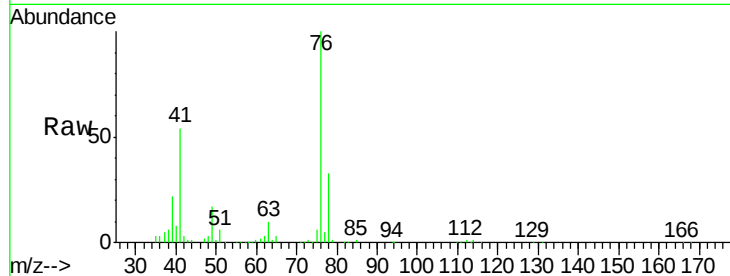
#57
 1,3-Dichloropropane
 Concen: 48.230 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

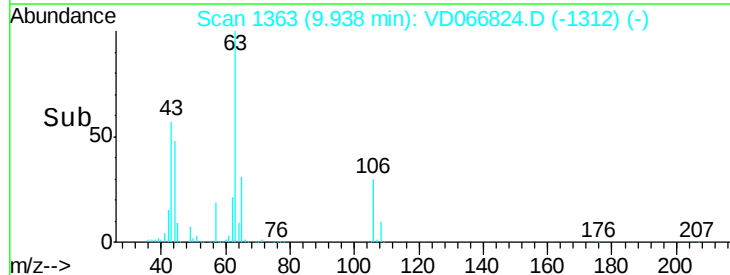
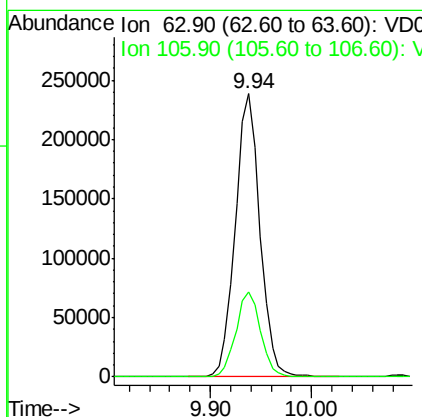
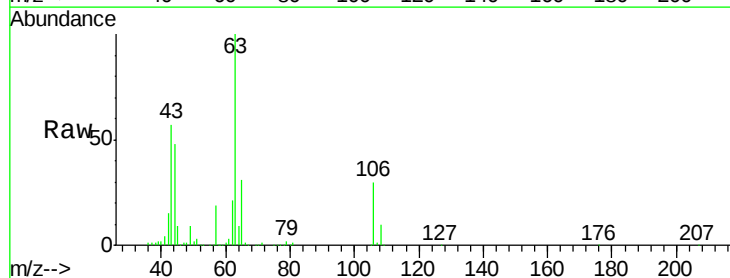
Manual Integrations
 APPROVED

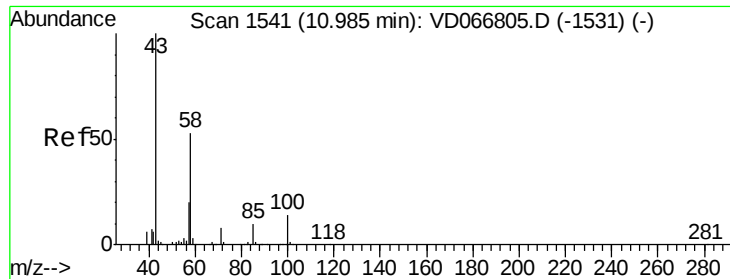
MMDadoda
 9/24/2020 1:36:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.379 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.8	35.6





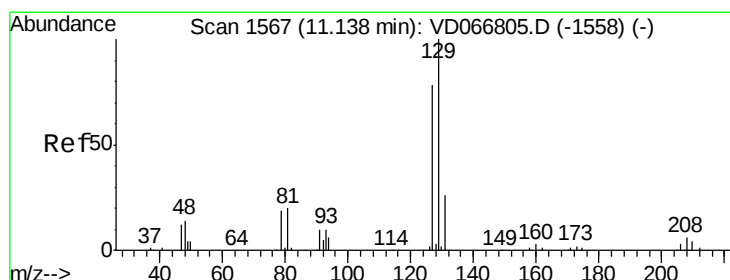
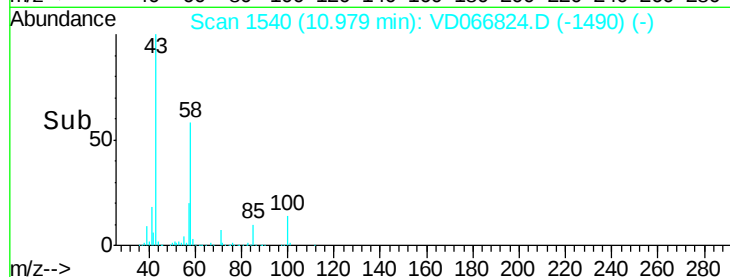
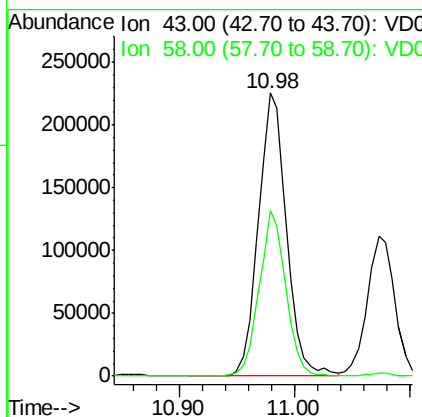
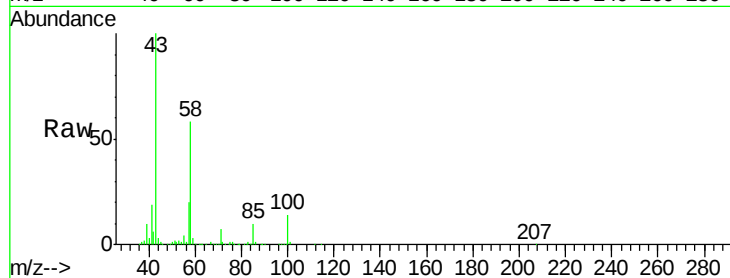
#59
2-Hexanone
Concen: 243.285 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 383024
Ion Ratio Lower Upper
43 100
58 55.4 27.0 80.8

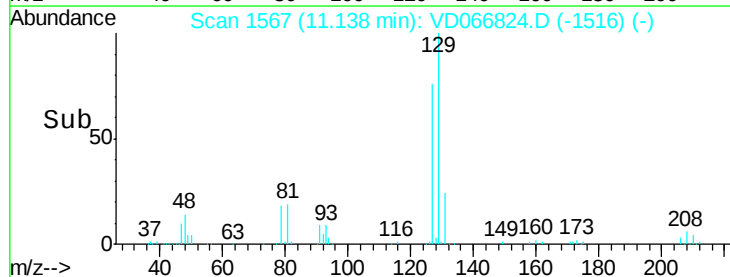
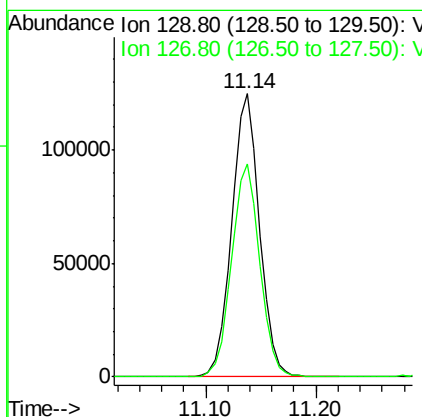
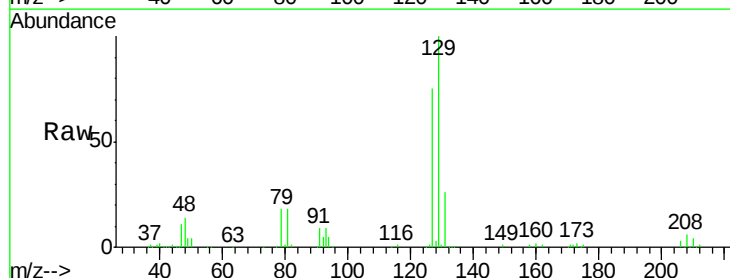
Manual Integrations
APPROVED

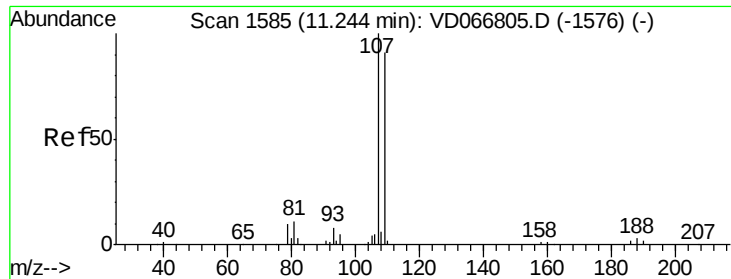
MMDadoda
9/24/2020 1:36:43 PM



#60
Dibromochloromethane
Concen: 48.788 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion: 129 Resp: 220457
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





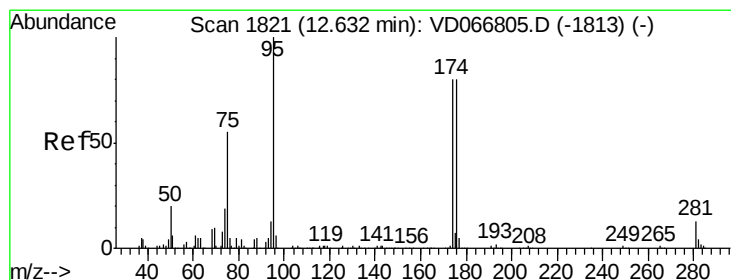
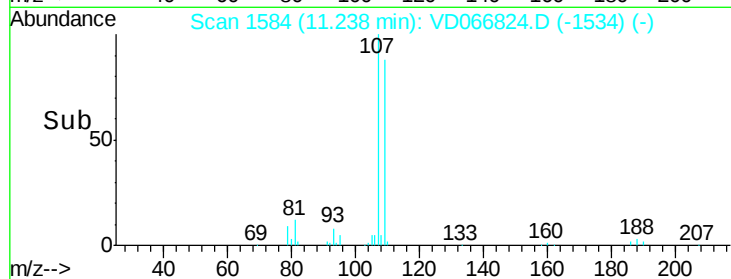
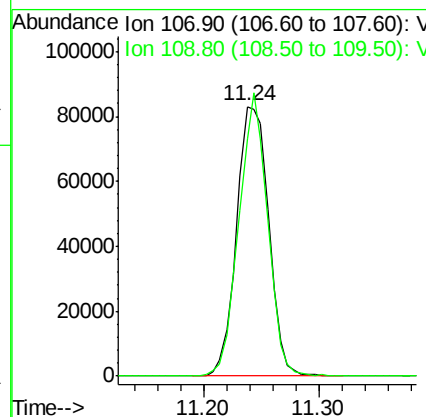
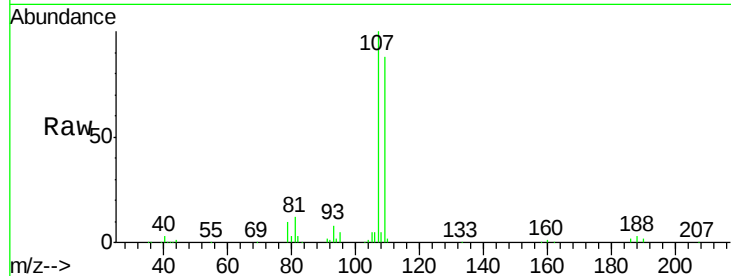
#61
 1,2-Dibromoethane
 Concen: 49.605 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.4

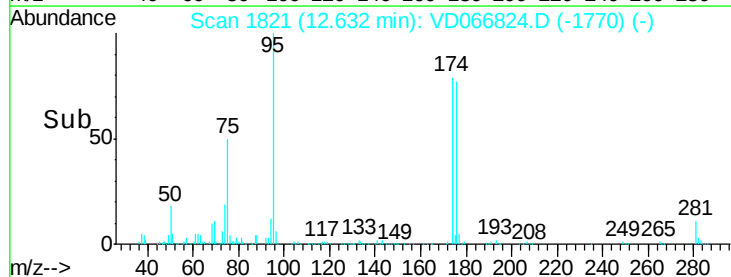
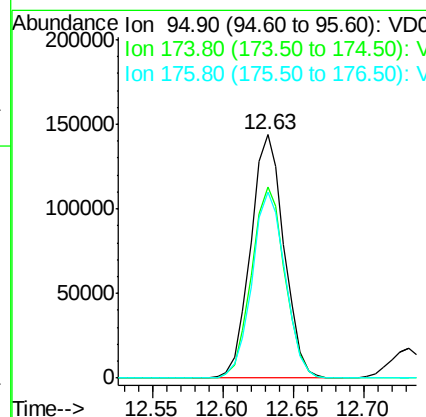
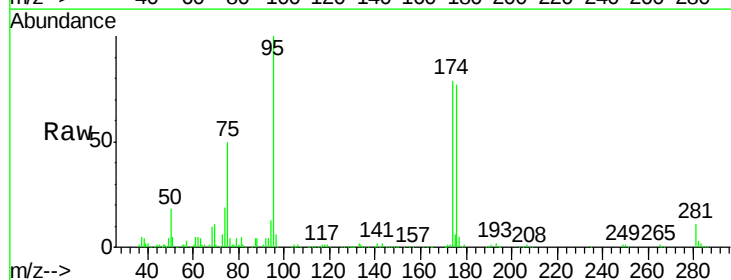
Manual Integrations
 APPROVED

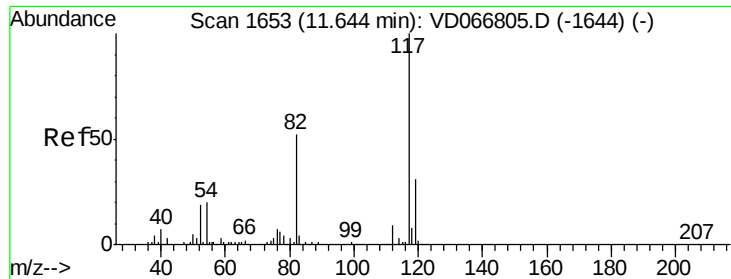
MMDadoda
 9/24/2020 1:36:43 PM



#62
 4-Bromofluorobenzene
 Concen: 48.355 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	159.8
176	75.7	0.0	154.4





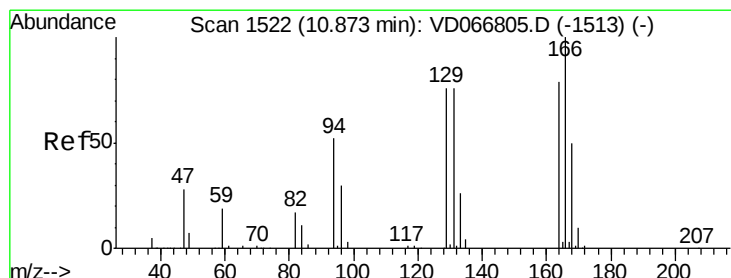
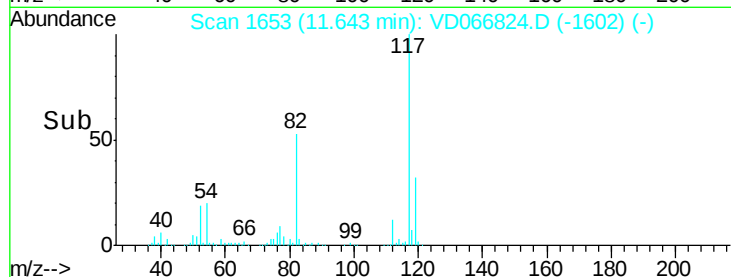
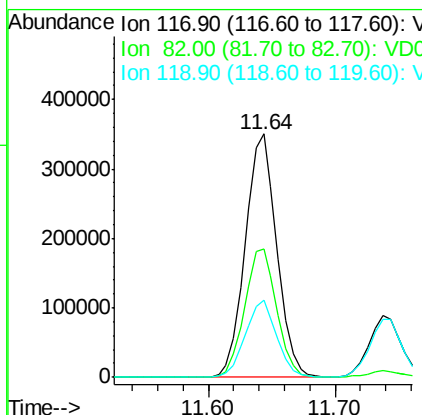
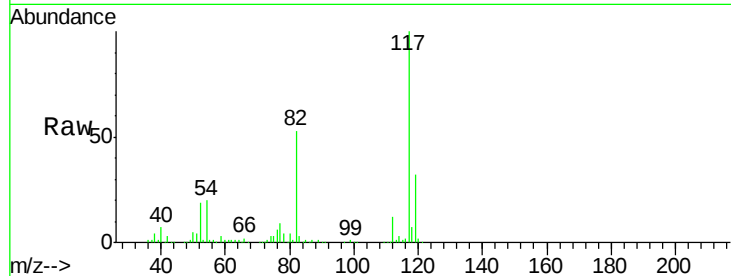
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.8	62.6
119	31.6	24.6	37.0

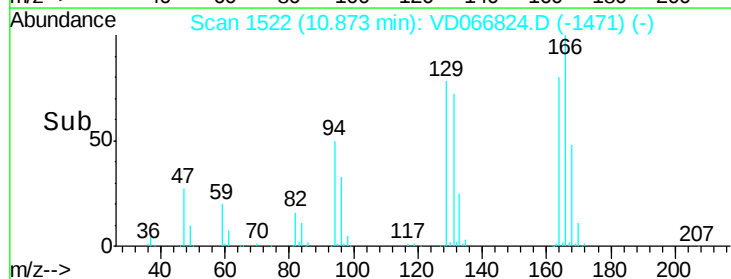
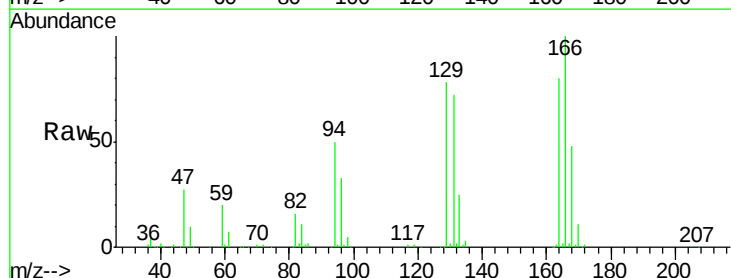
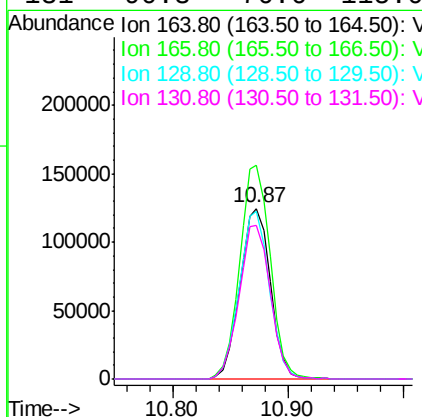
Manual Integrations
APPROVED

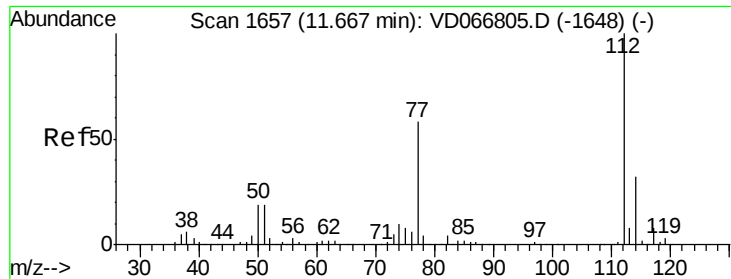
MMDadoda
9/24/2020 1:36:43 PM



#64
Tetrachloroethene
Concen: 52.634 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.1	151.7
129	98.4	77.0	115.4
131	90.3	76.6	115.0





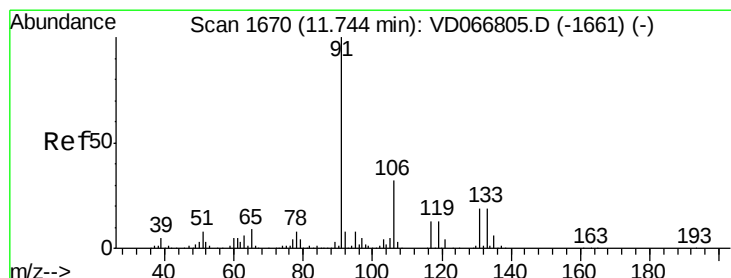
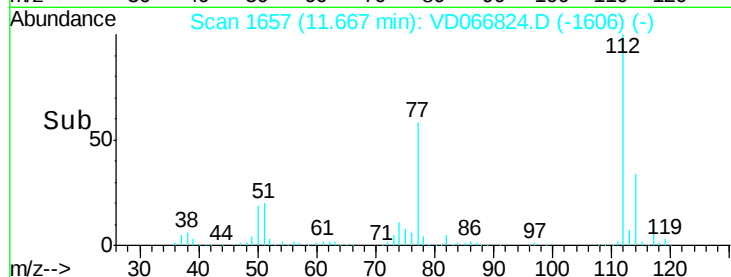
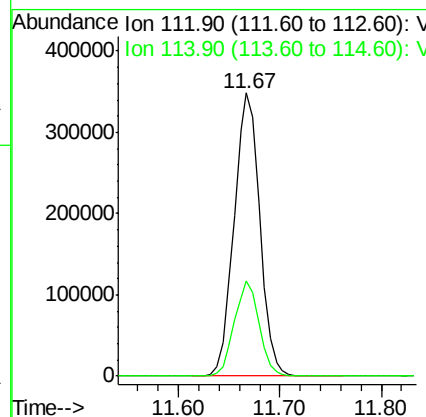
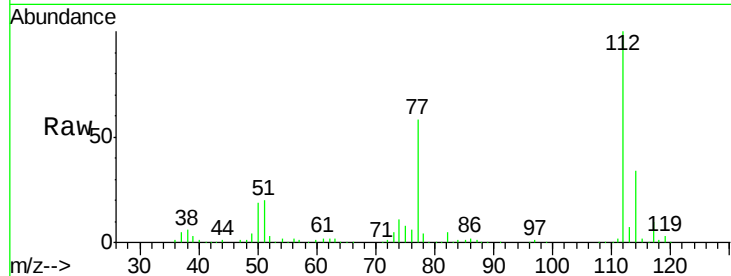
#65
Chlorobenzene
Concen: 48.587 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 611460
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.2

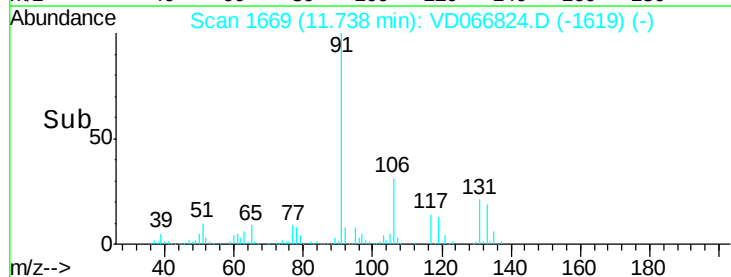
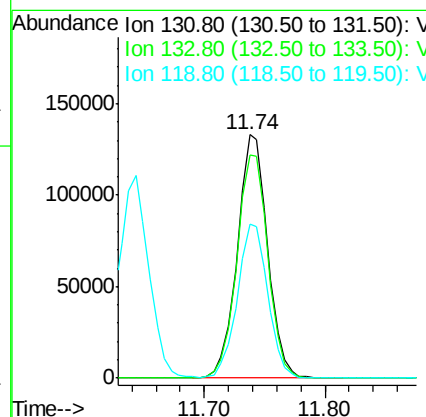
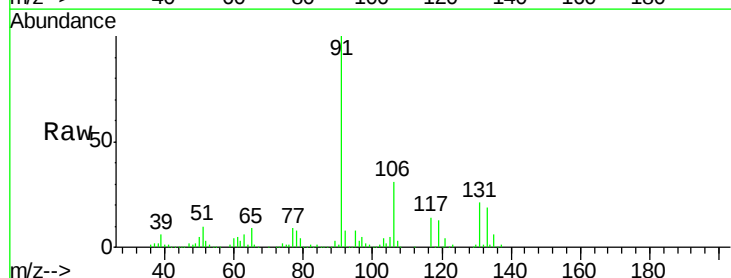
Manual Integrations
APPROVED

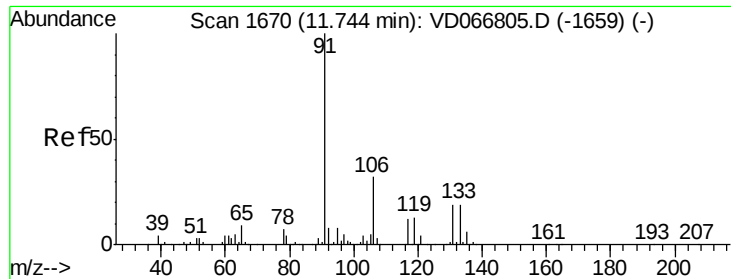
MMDadoda
9/24/2020 1:36:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.727 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion:131 Resp: 232091
Ion Ratio Lower Upper
131 100
133 94.1 46.7 140.1
119 64.1 32.3 96.9





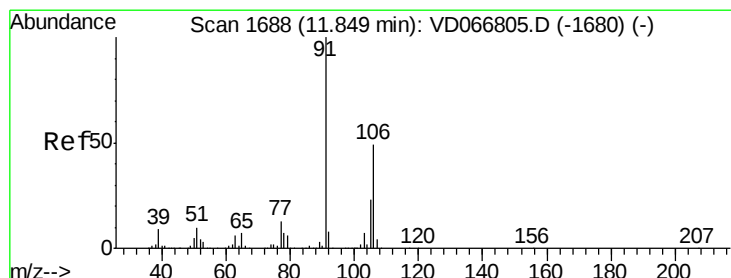
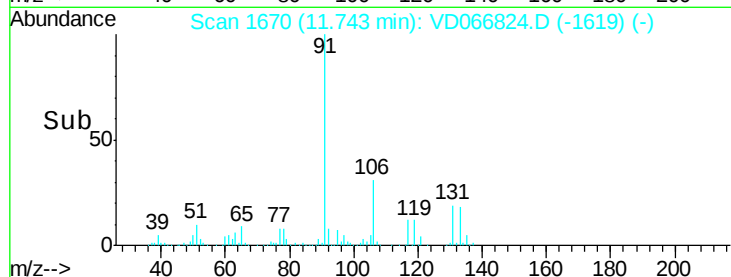
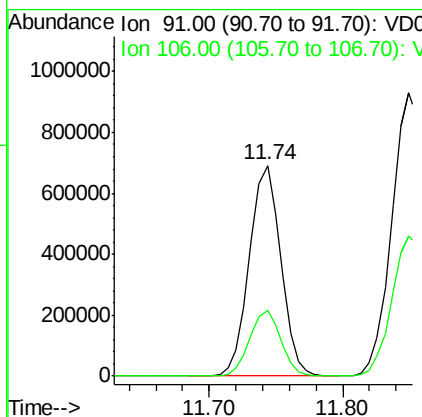
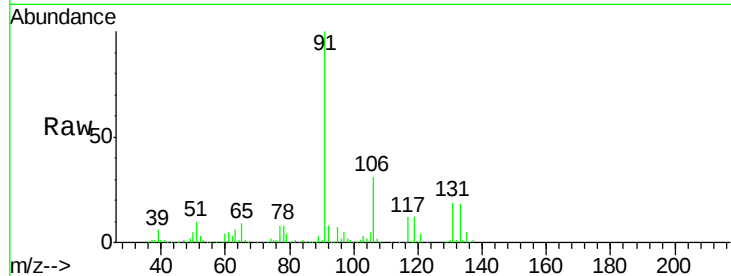
#67
Ethyl Benzene
Concen: 50.834 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1123578
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4

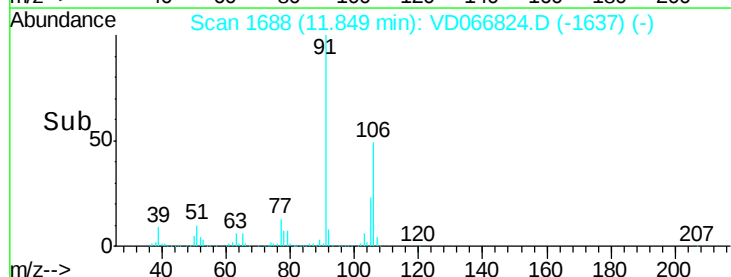
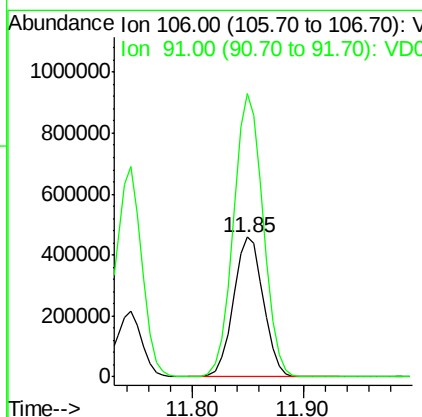
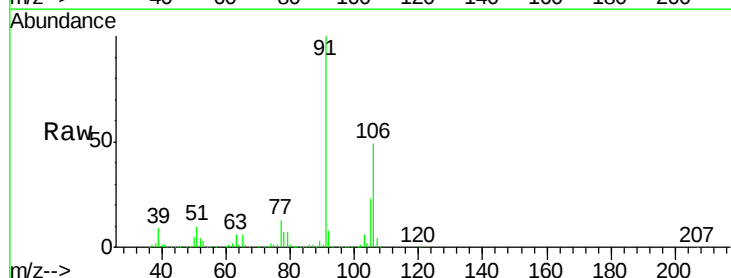
Manual Integrations
APPROVED

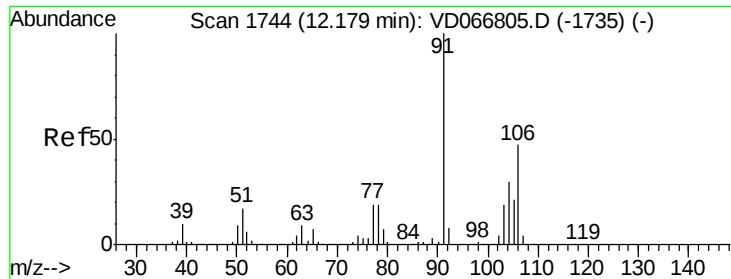
MMDadoda
9/24/2020 1:36:43 PM



#68
m/p-Xylenes
Concen: 104.083 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion: 106 Resp: 871011
Ion Ratio Lower Upper
106 100
91 200.7 160.7 241.1





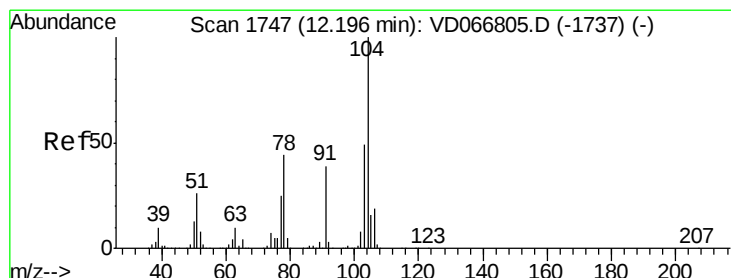
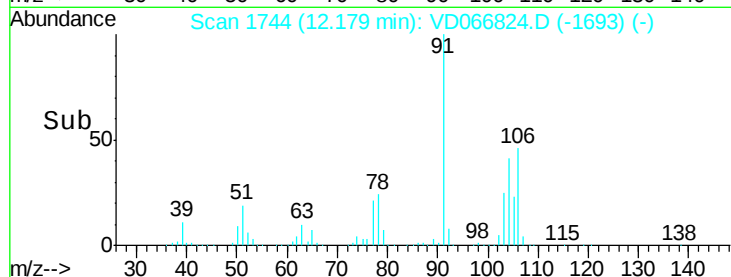
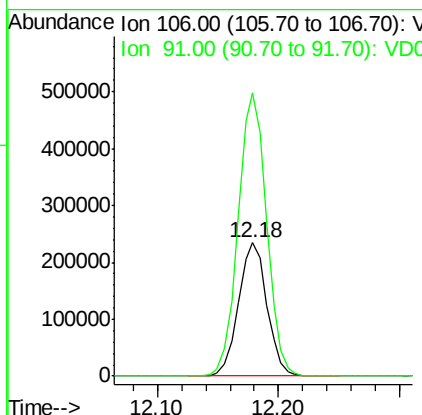
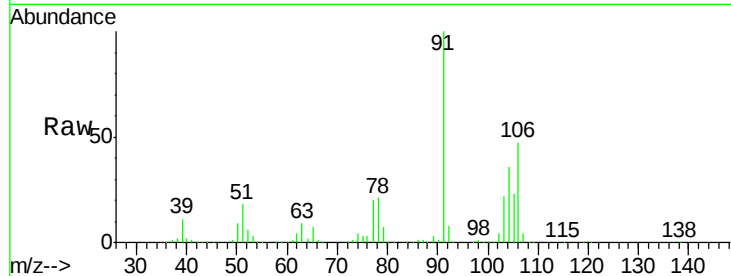
#69
o-Xylene
Concen: 51.002 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	385932		
91	212.1	106.3	318.8	

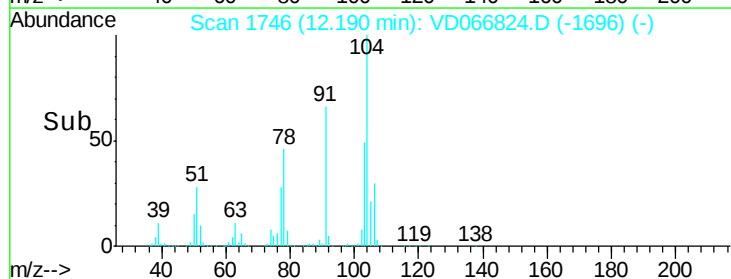
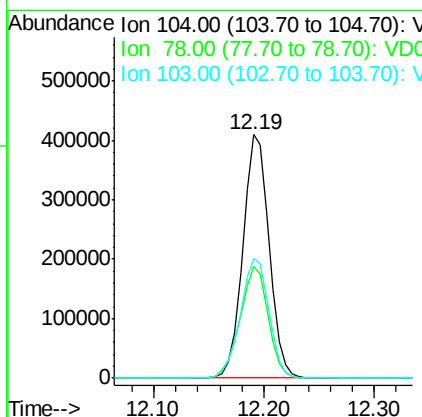
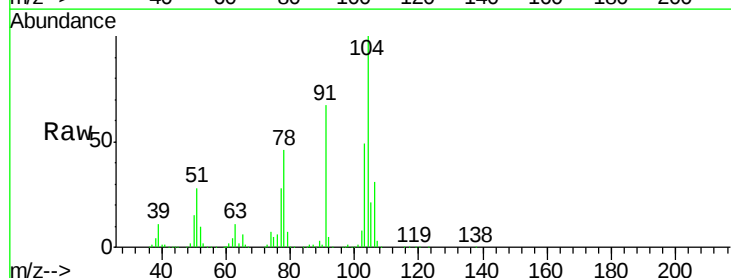
Manual Integrations
APPROVED

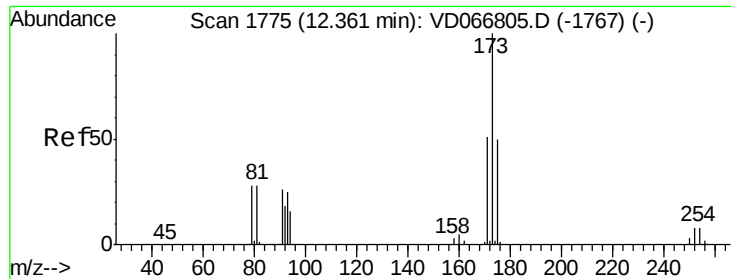
MMDadoda
9/24/2020 1:36:43 PM



#70
Styrene
Concen: 52.056 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	684068		
78	49.1	38.9	58.3	
103	53.3	43.2	64.8	





#71

Bromoform

Concen: 48.900 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 117928

Ion Ratio Lower Upper

173 100

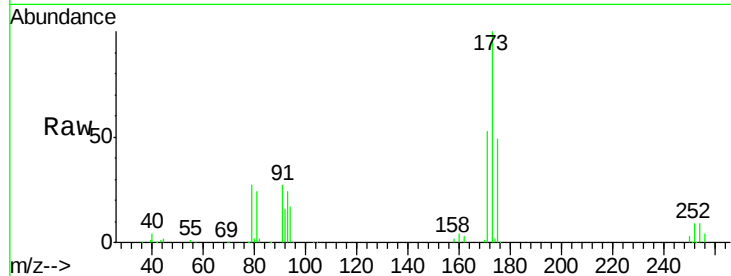
175 49.0 24.9 74.6

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

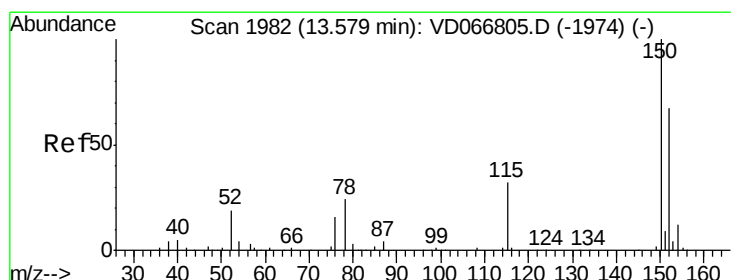
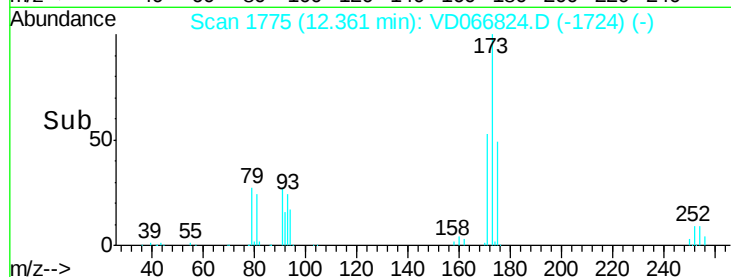
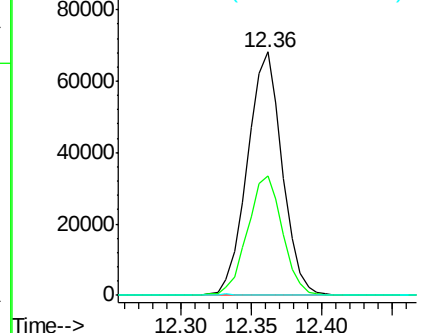
9/24/2020 1:36:43 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

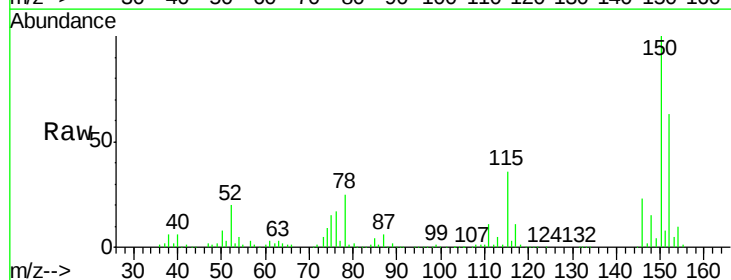
Tgt Ion:152 Resp: 290701

Ion Ratio Lower Upper

152 100

115 60.1 30.3 91.0

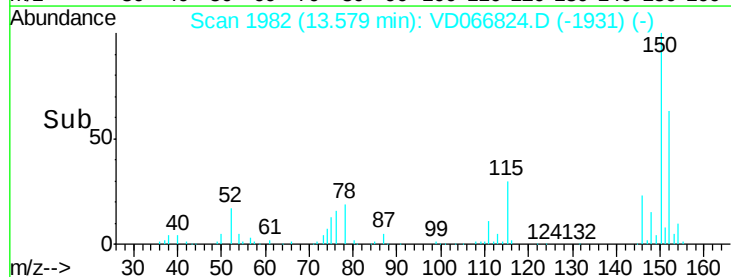
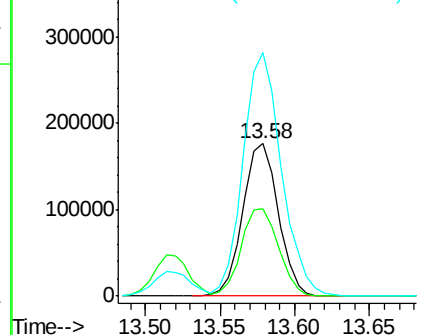
150 172.6 0.0 346.2

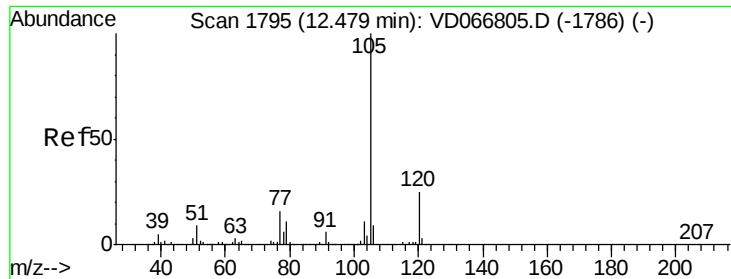


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.390 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1079203

Ion Ratio Lower Upper

105 100

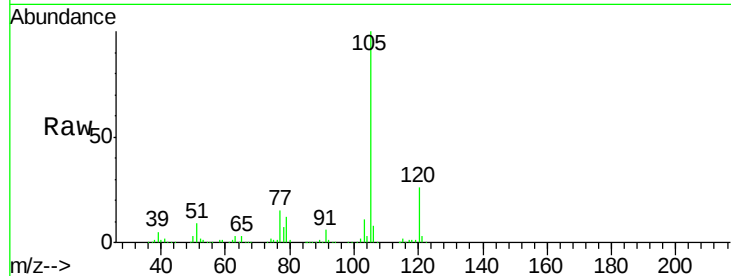
120 26.2 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:36:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

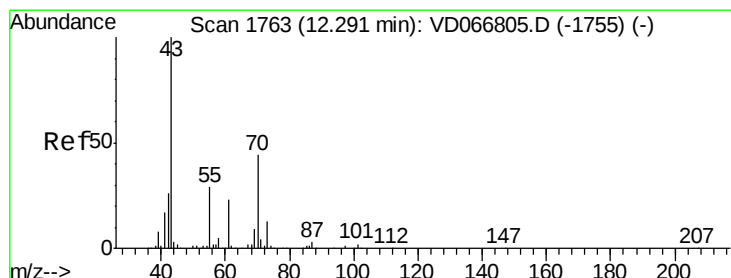
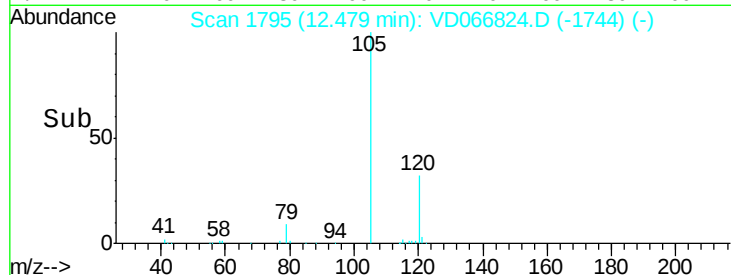
200000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 48.744 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion: 43 Resp: 199902

Ion Ratio Lower Upper

43 100

70 44.3 36.1 54.1

55 26.8 21.8 32.8

61 23.4 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

200000

150000

100000

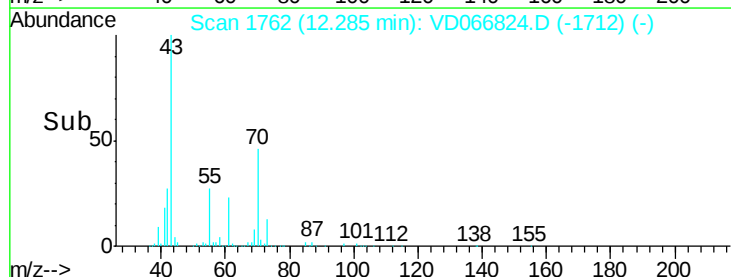
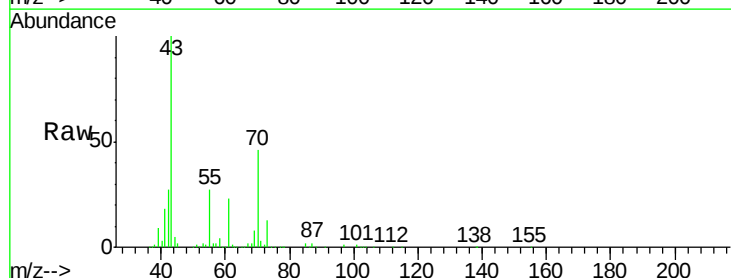
50000

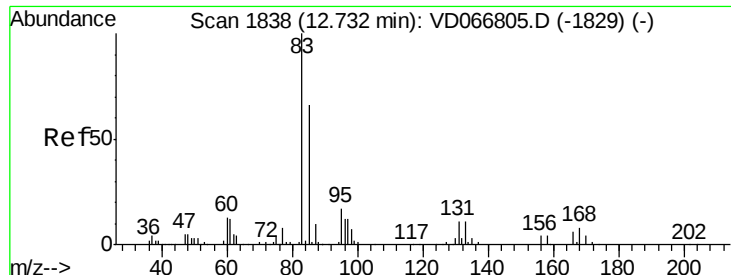
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.390 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

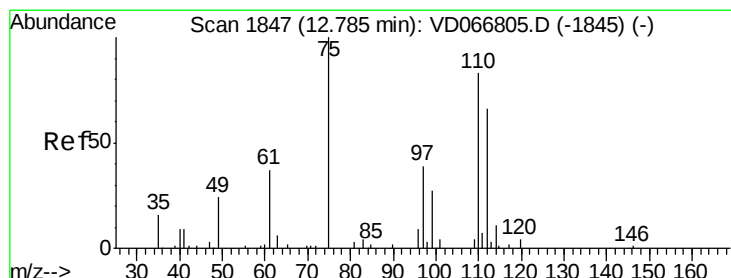
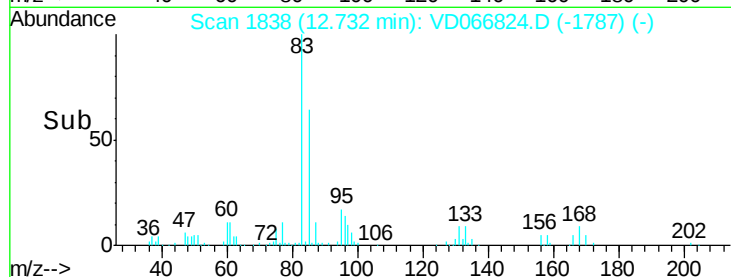
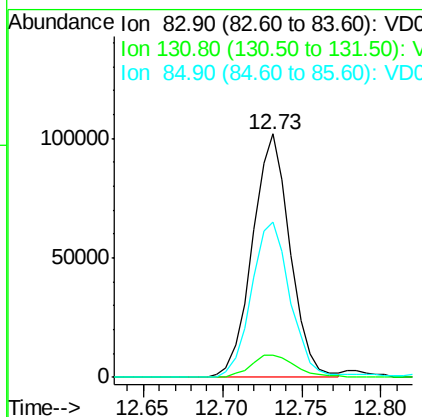
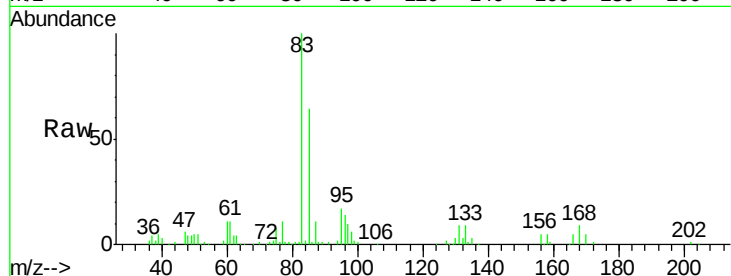
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168104
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	65.4	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#76

1,2,3-Trichloropropane

Concen: 44.394 ug/l m

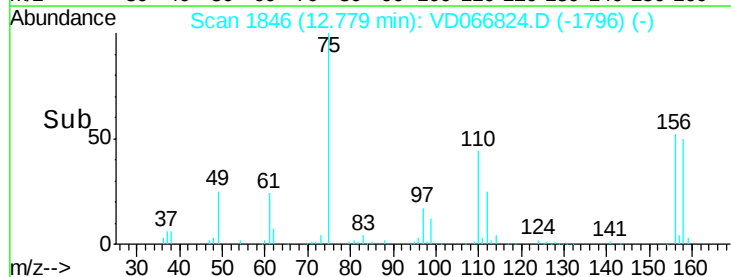
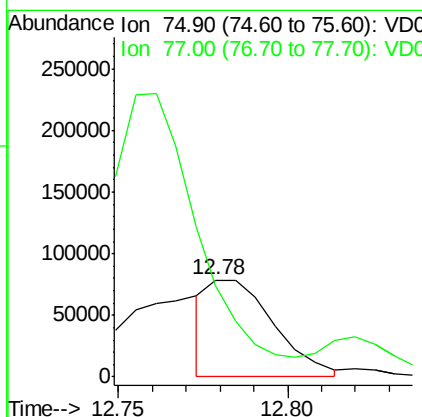
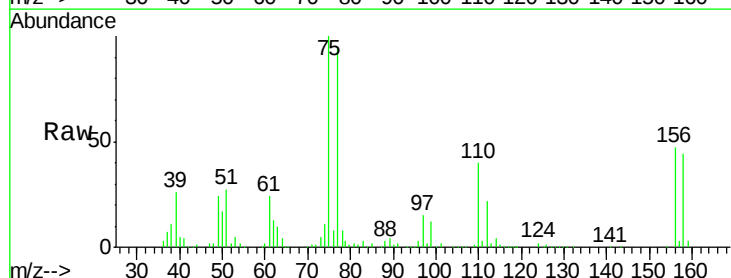
RT: 12.78 min Scan# 1846

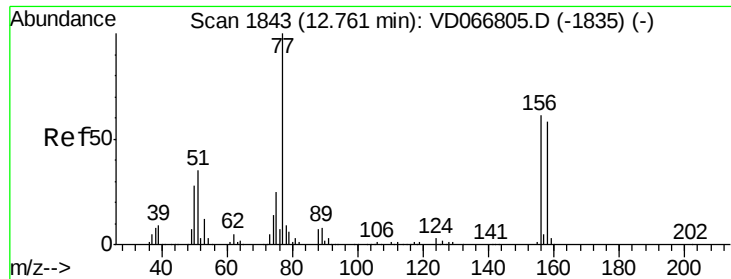
Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion:	75	Resp:	106950
Ion Ratio	Lower	Upper	
75	100		
77	412.2	0.0	0.0#





#77

Bromobenzene

Concen: 49.093 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

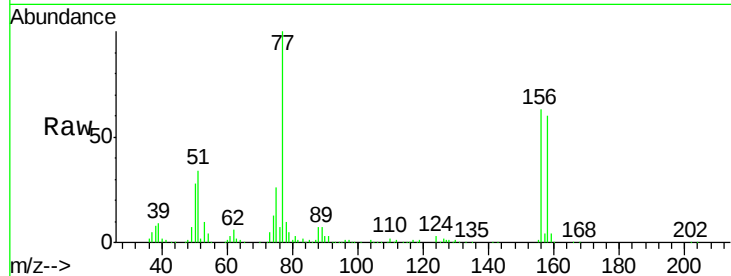
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	241118
Ion Ratio	Lower	Upper	
156	100		
77	182.8	92.3	276.9
158	96.7	47.6	142.9

Manual Integrations
APPROVED

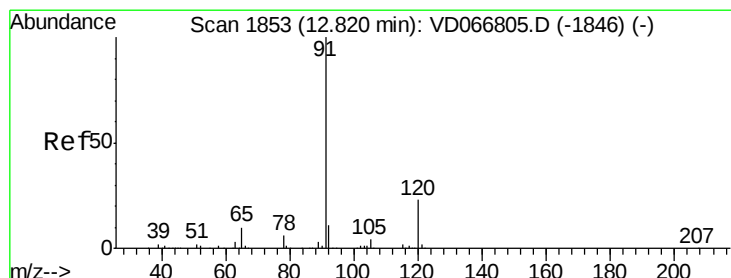
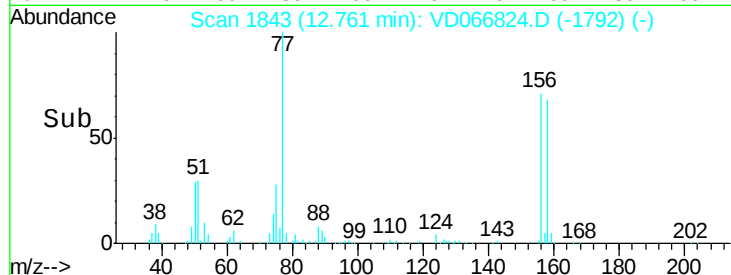
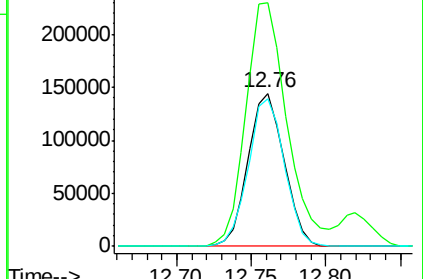
MMDadoda
9/24/2020 1:36:43 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.363 ug/l

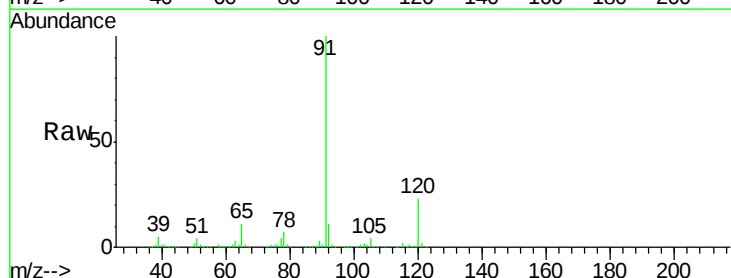
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066824.D

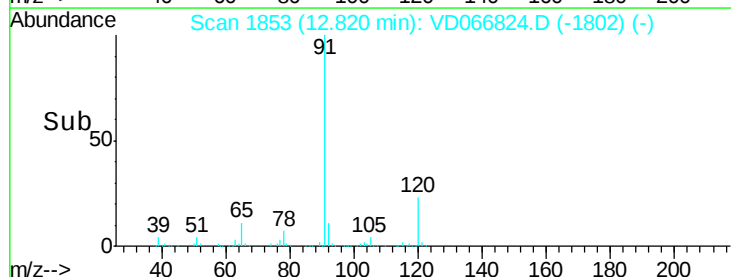
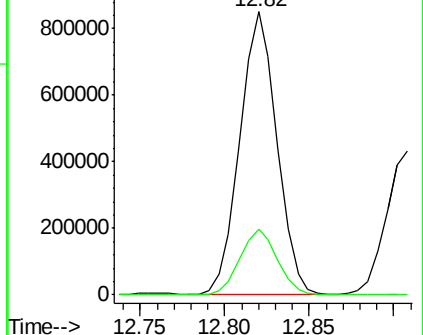
Acq: 23 Sep 2020 10:11

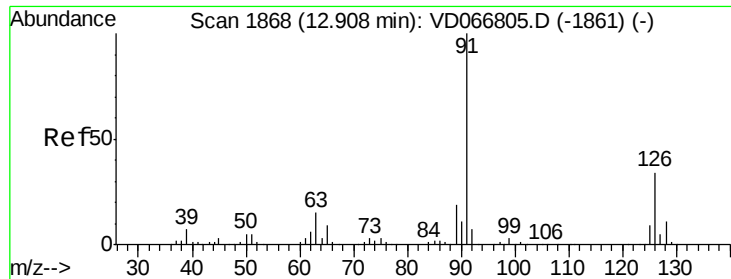
Tgt Ion:	91	Resp:	1297647
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.010 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 705588

Ion Ratio Lower Upper

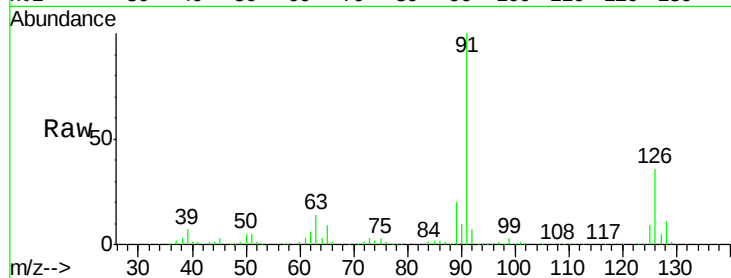
91 100

126 34.9 17.0 51.0

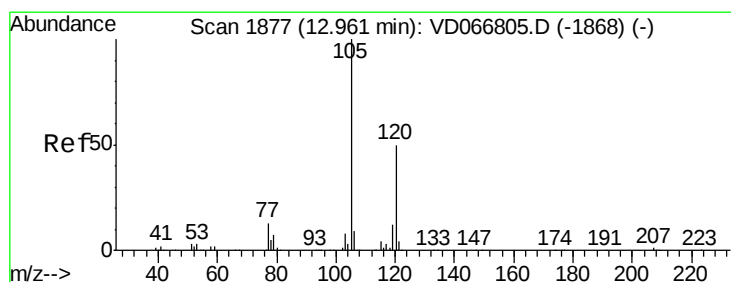
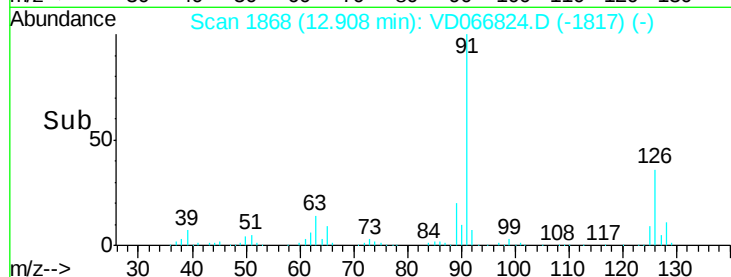
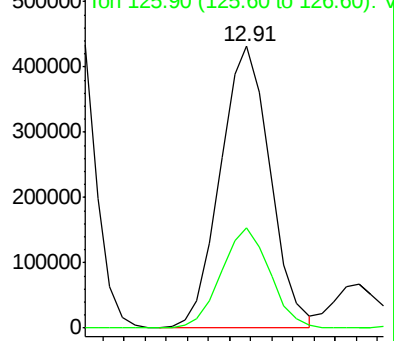
Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:36:43 PM



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.382 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066824.D

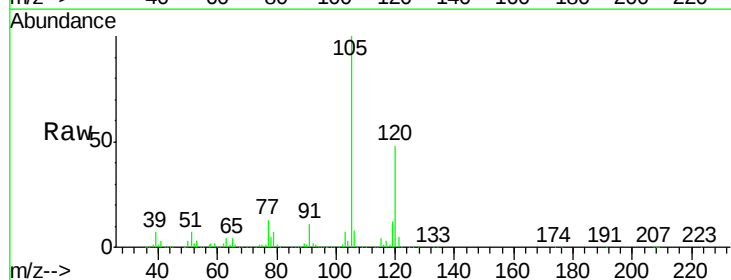
Acq: 23 Sep 2020 10:11

Tgt Ion:105 Resp: 915569

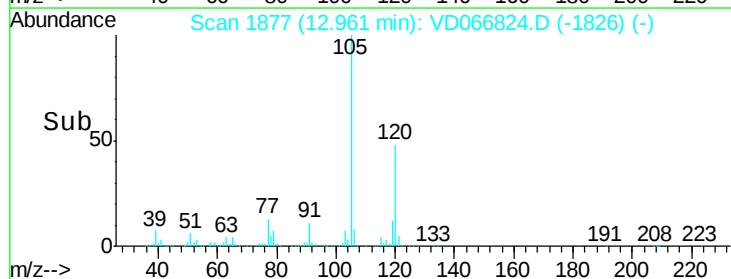
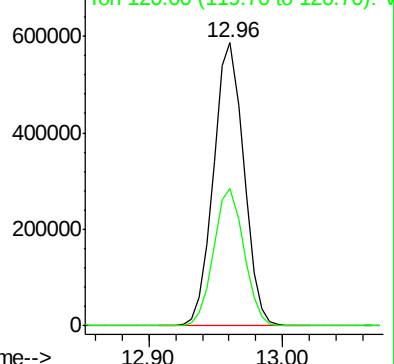
Ion Ratio Lower Upper

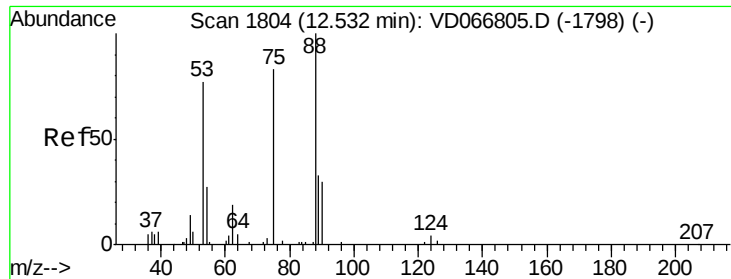
105 100

120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.361 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

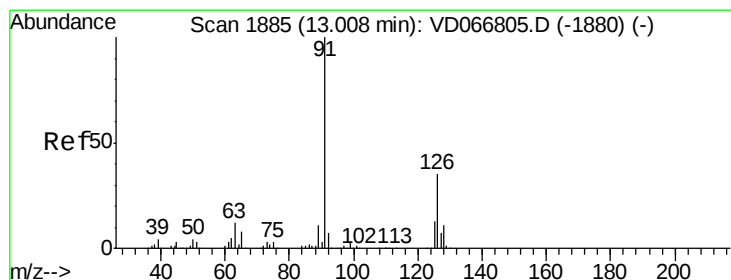
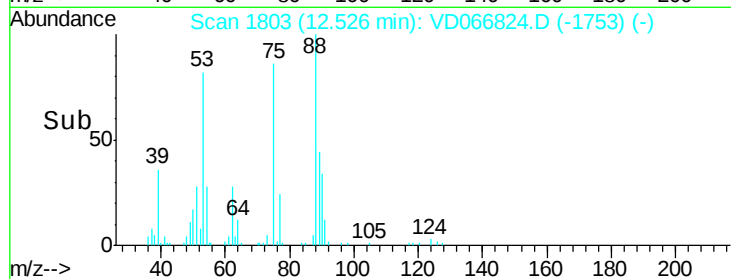
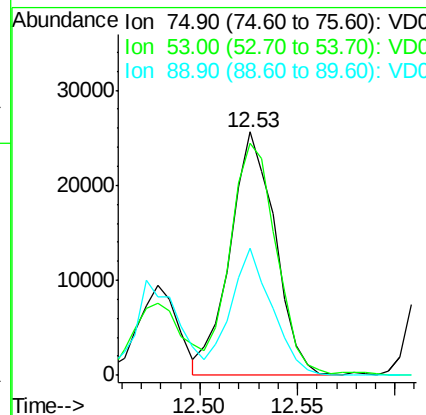
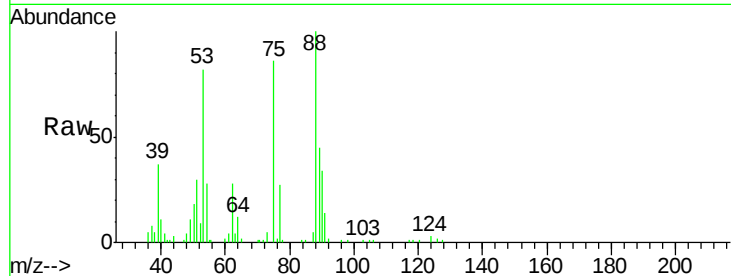
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	40790
Ion	Ratio	Lower	Upper
75	100		
53	95.3	78.5	117.7
89	48.2	38.1	57.1

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#82

4-Chlorotoluene

Concen: 50.654 ug/l

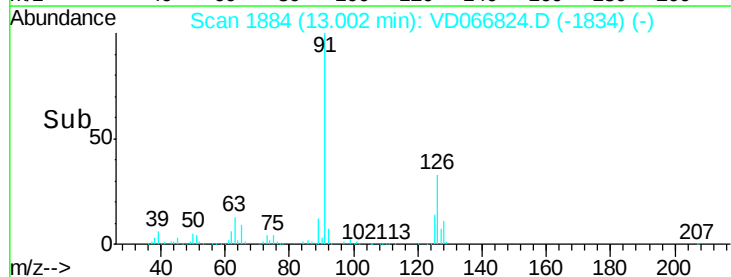
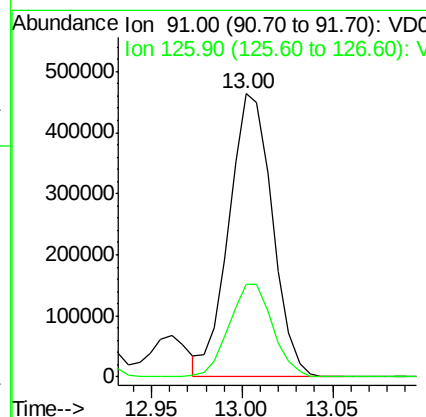
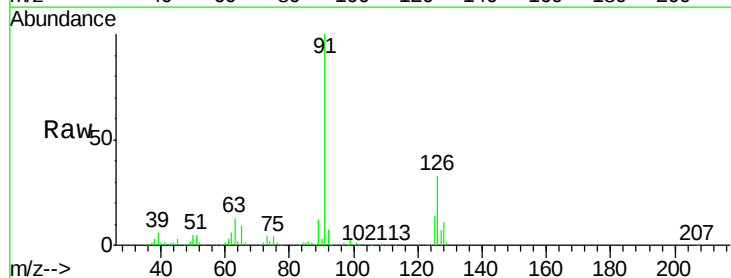
RT: 13.00 min Scan# 1884

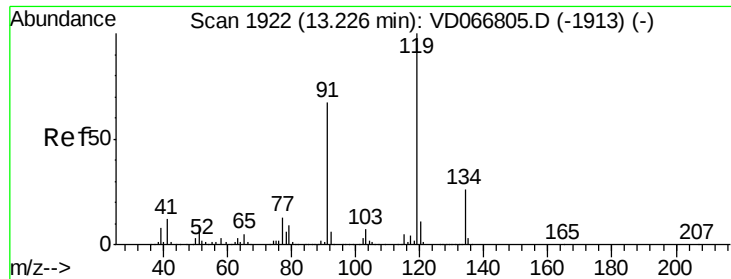
Delta R.T. -0.01 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion:	91	Resp:	768745
Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.1	51.2





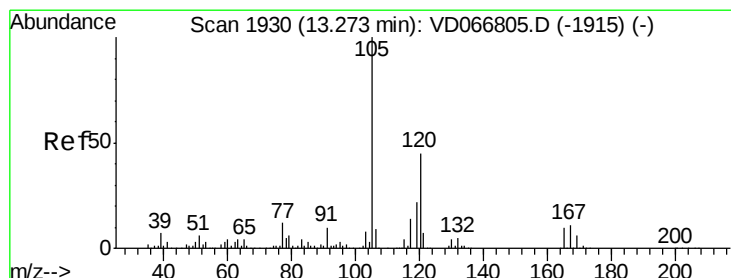
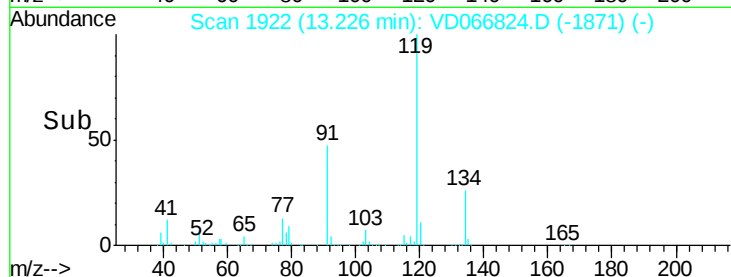
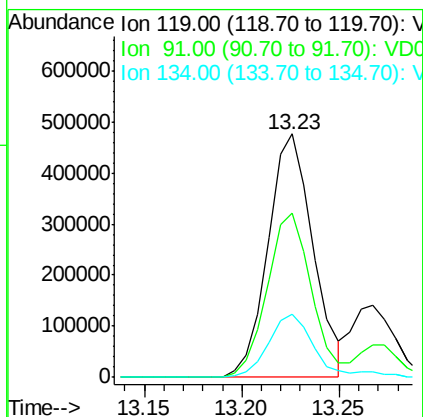
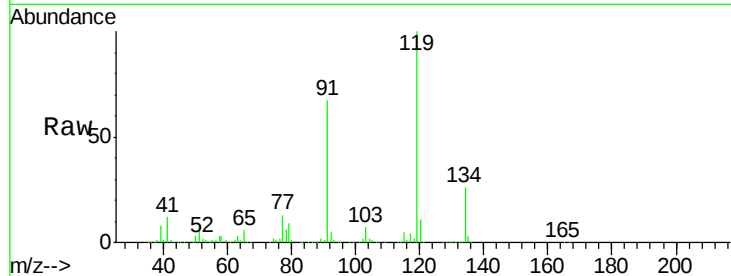
#83
tert-Butylbenzene
Concen: 52.057 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.6	100.8
134	26.8	13.5	40.4

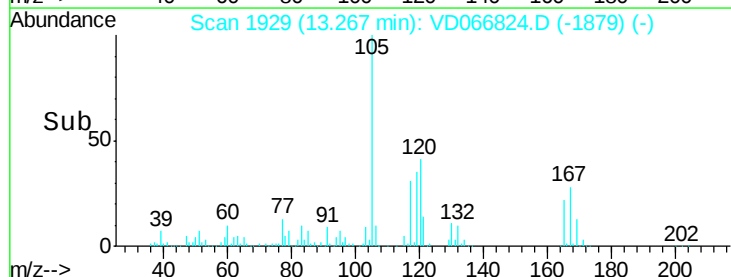
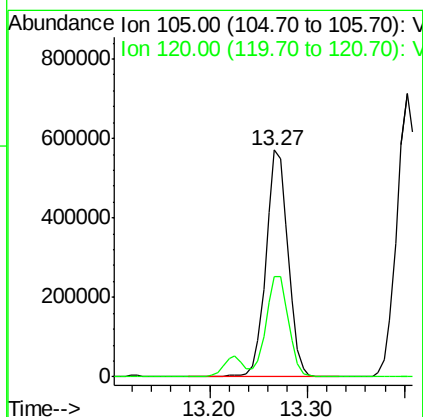
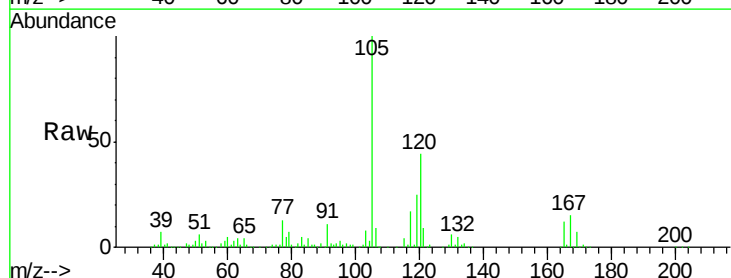
Manual Integrations
APPROVED

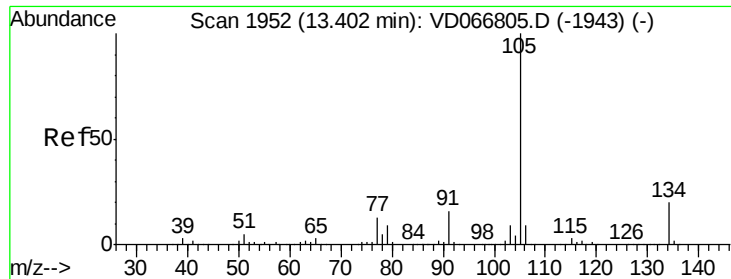
MMDadoda
9/24/2020 1:36:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.236 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.9





#85

sec-Butylbenzene

Concen: 51.902 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1092819

Ion Ratio Lower Upper

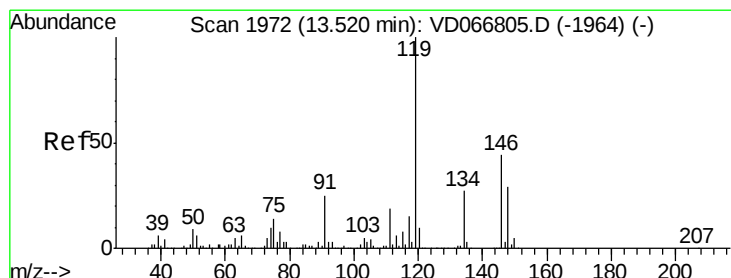
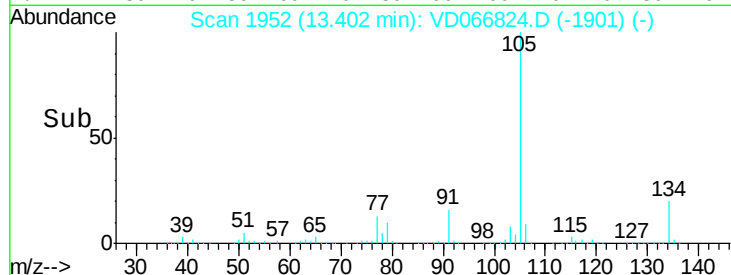
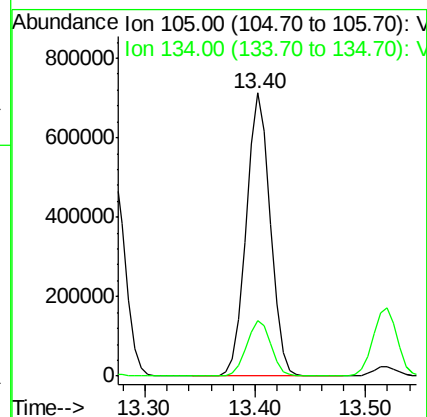
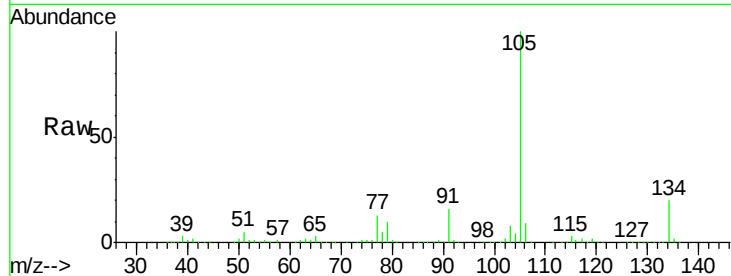
105 100

134 19.9 10.2 30.6

Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:36:43 PM



#86

p-Isopropyltoluene

Concen: 52.914 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

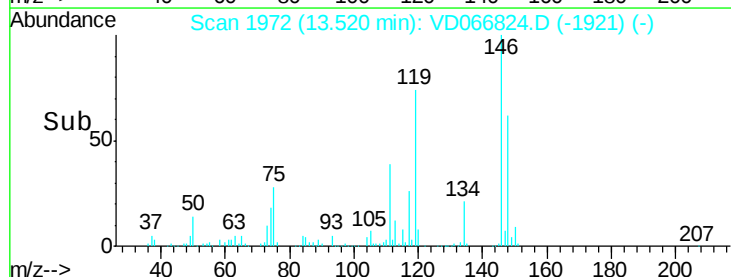
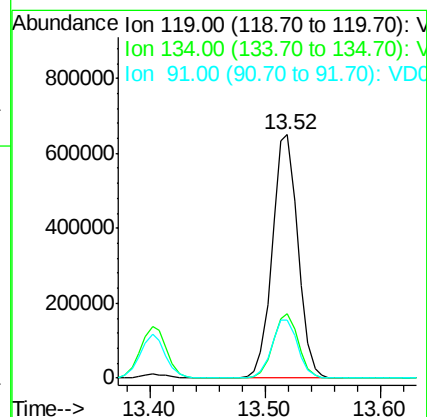
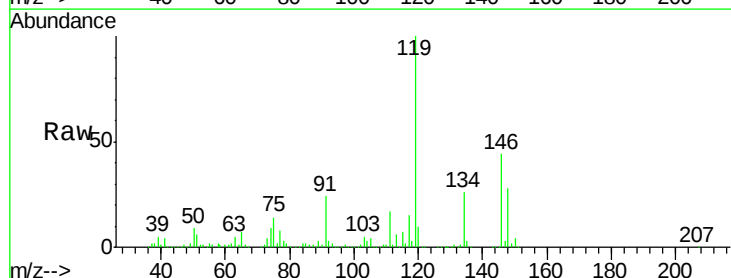
Tgt Ion:119 Resp: 1004279

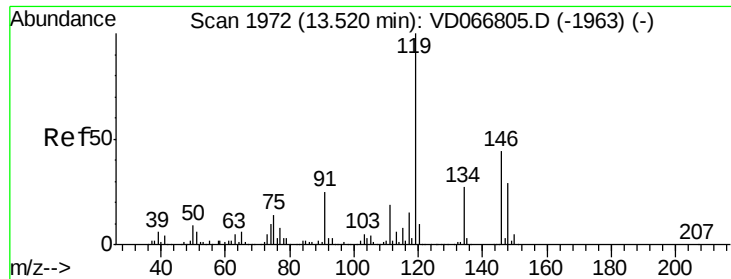
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.2 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 49.473 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Instrument :

MSVOA_D

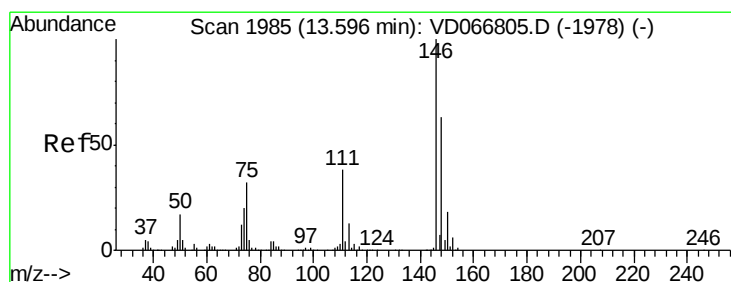
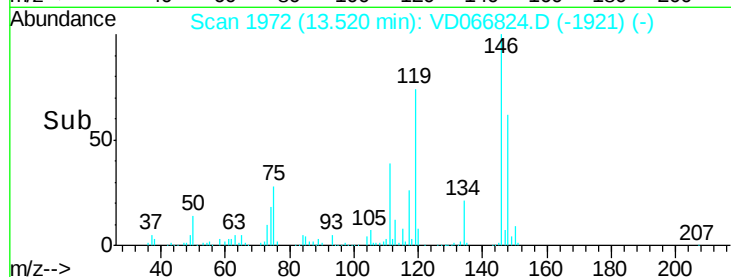
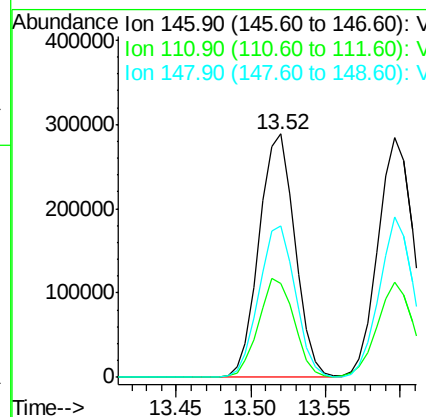
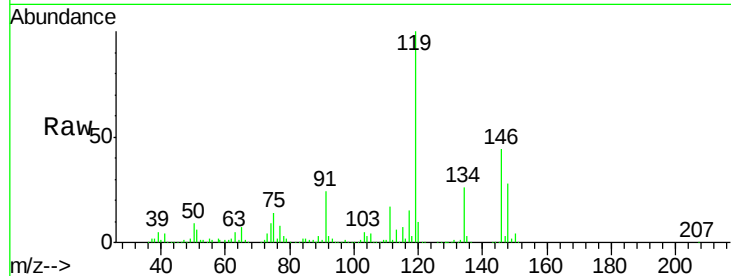
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	480054
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	63.2	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#88

1,4-Dichlorobenzene

Concen: 48.624 ug/l

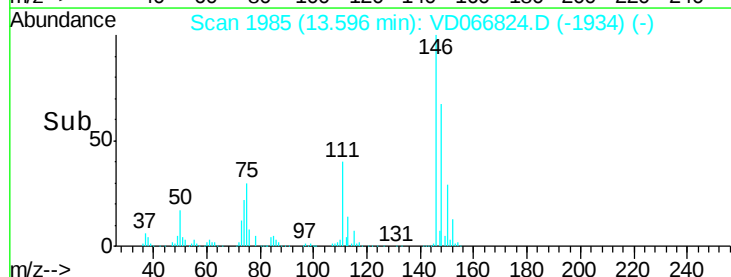
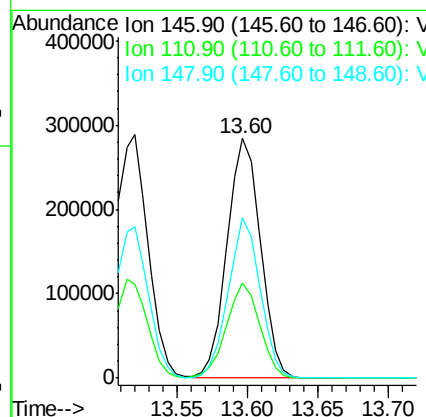
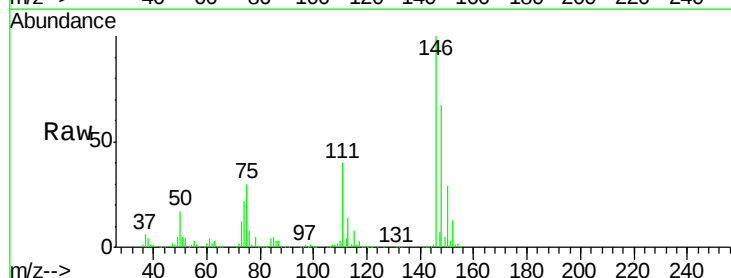
RT: 13.60 min Scan# 1985

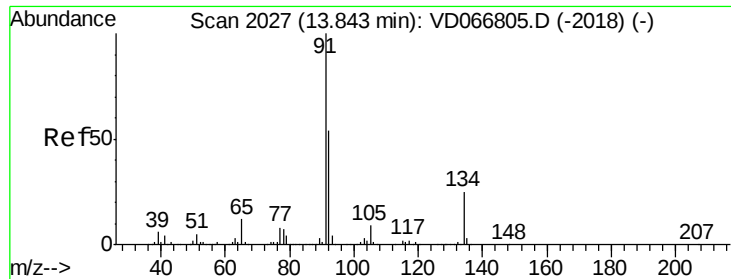
Delta R.T. -0.00 min

Lab File: VD066824.D

Acq: 23 Sep 2020 10:11

Tgt Ion:	146	Resp:	468612
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.2	60.5
148	64.0	31.6	94.7





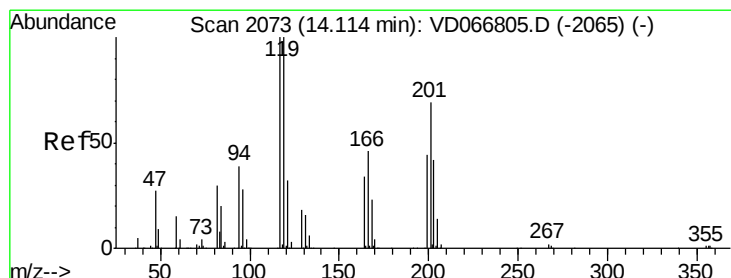
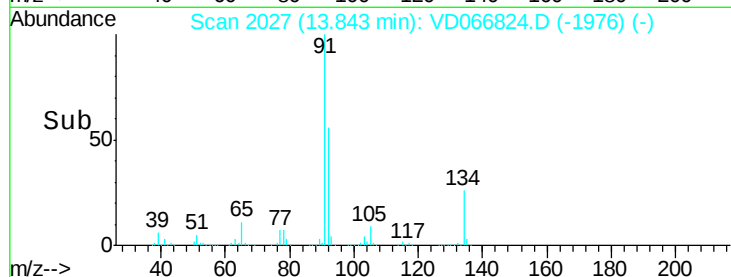
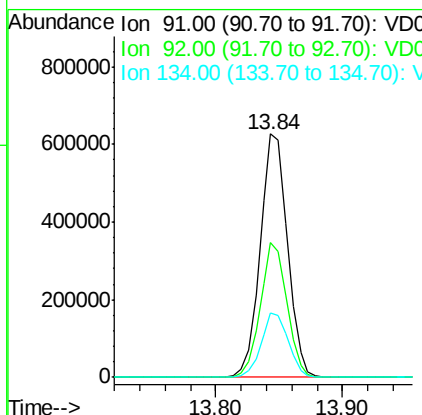
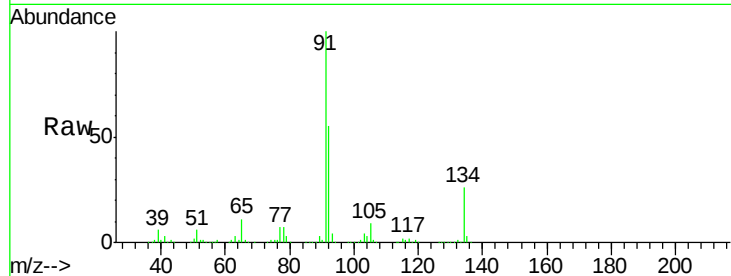
#89
n-Butylbenzene
Concen: 52.207 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	26.7	80.0	
134	26.3	13.1	39.1	

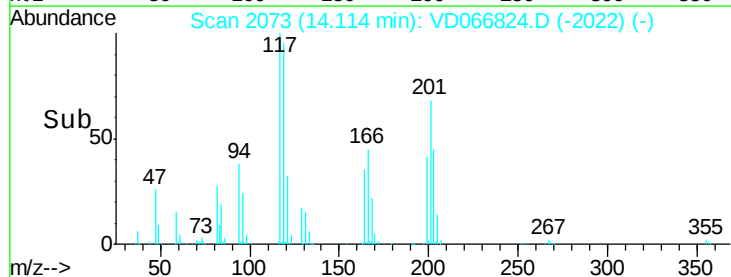
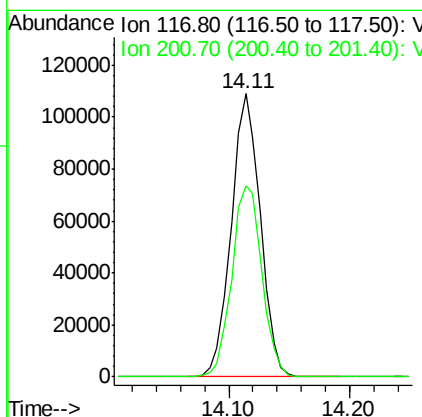
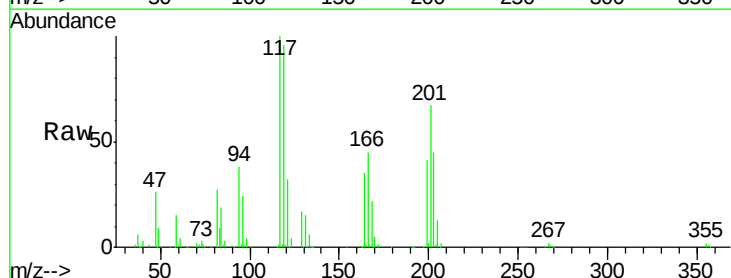
Manual Integrations
APPROVED

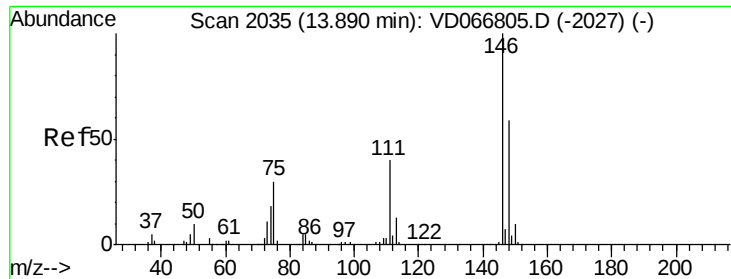
MMDadoda
9/24/2020 1:36:43 PM



#90
Hexachloroethane
Concen: 47.365 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	69.9	33.7	101.0	





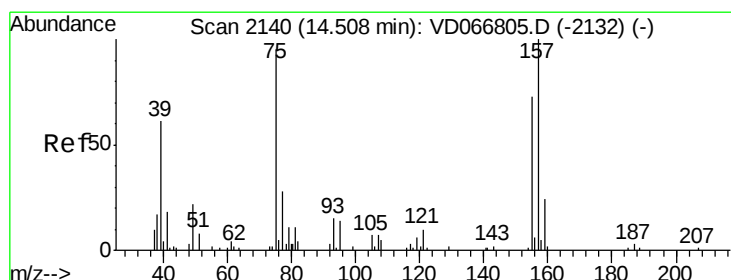
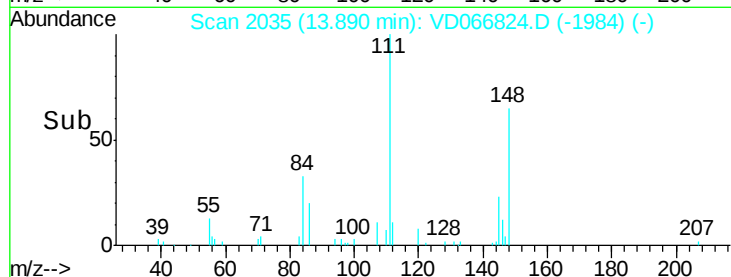
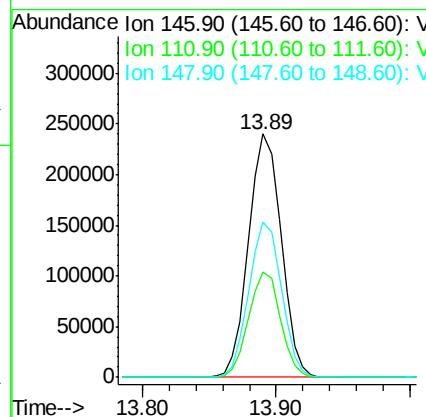
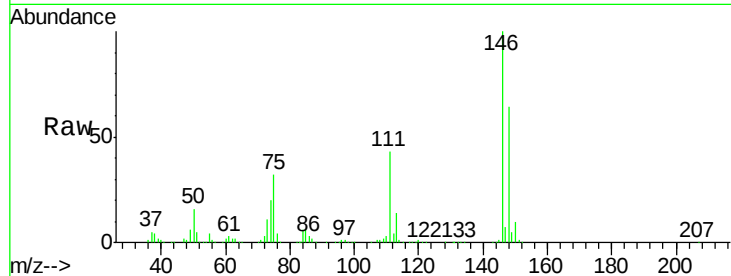
#91
 1,2-Dichlorobenzene
 Concen: 48.924 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	406153		
111	42.0		20.9	62.7
148	63.7		31.8	95.3

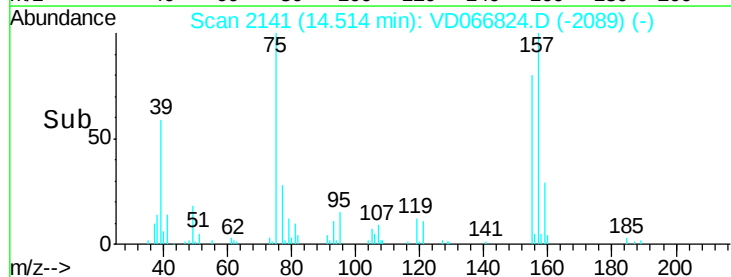
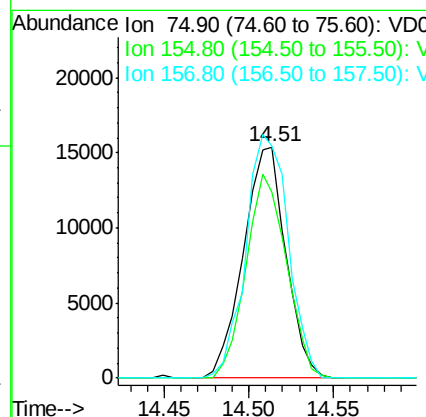
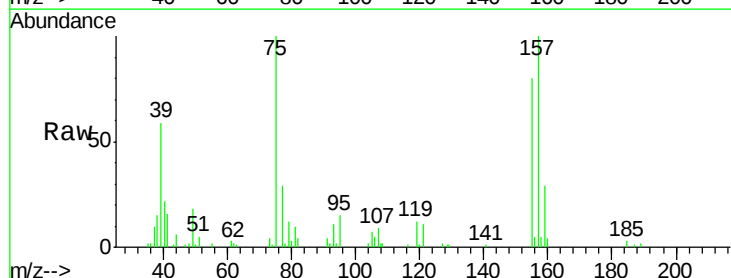
Manual Integrations
 APPROVED

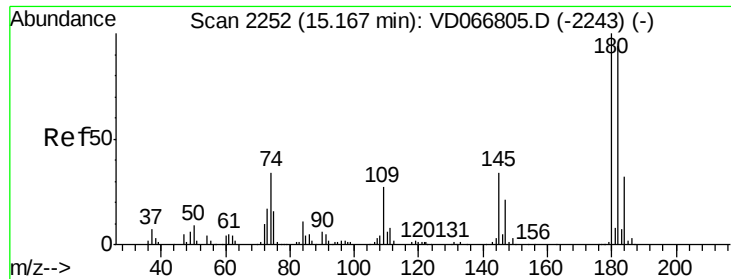
MMDadoda
 9/24/2020 1:36:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.210 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26937		
155	83.9		40.4	121.2
157	105.5		51.3	153.9





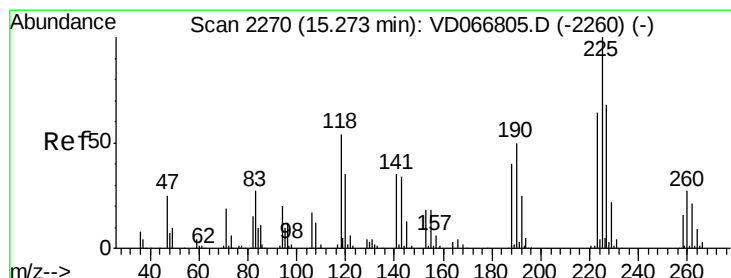
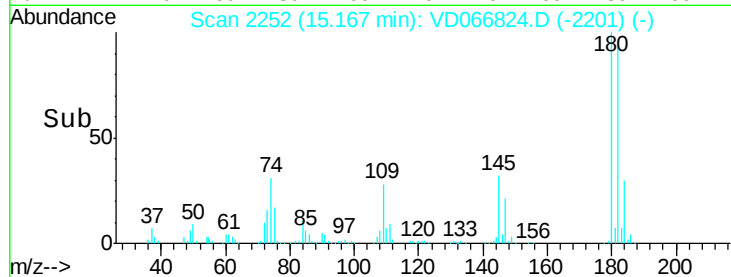
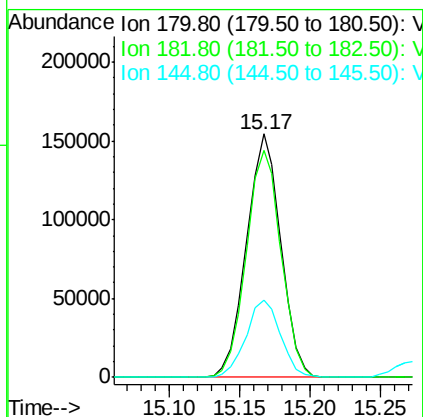
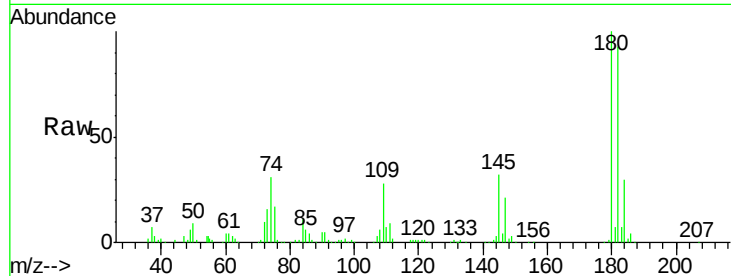
#93
 1,2,4-Trichlorobenzene
 Concen: 50.315 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	262944		
182	94.4	48.8	146.3	
145	32.2	16.7	50.0	

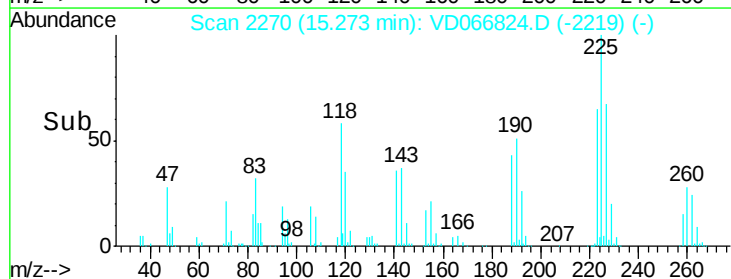
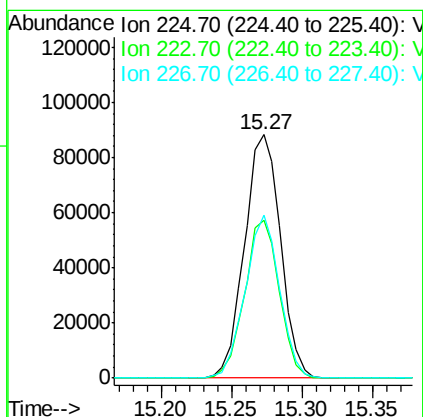
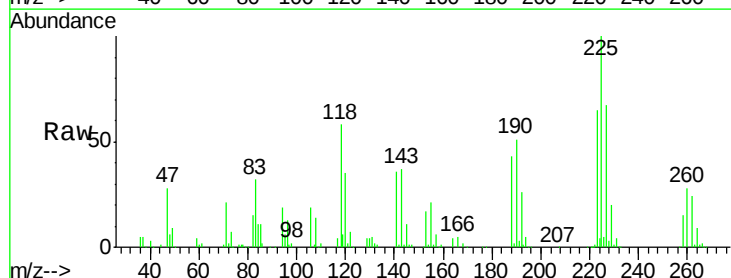
Manual Integrations
 APPROVED

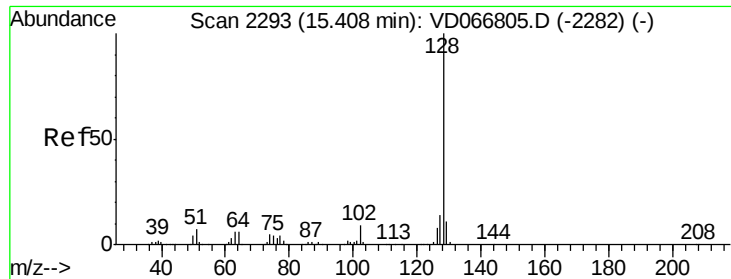
MMDadoda
 9/24/2020 1:36:43 PM



#94
 Hexachlorobutadiene
 Concen: 50.522 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066824.D
 Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158216		
223	62.5	31.1	93.3	
227	63.4	31.7	95.1	





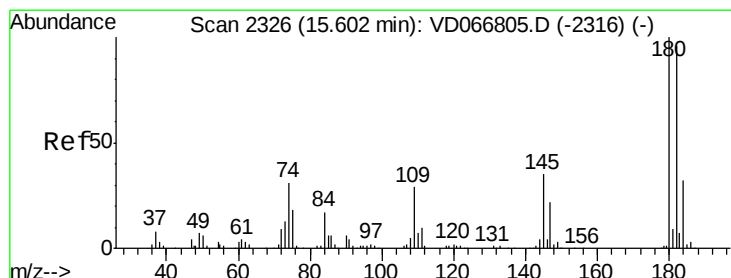
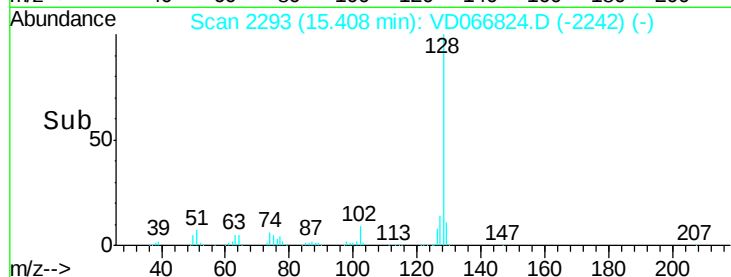
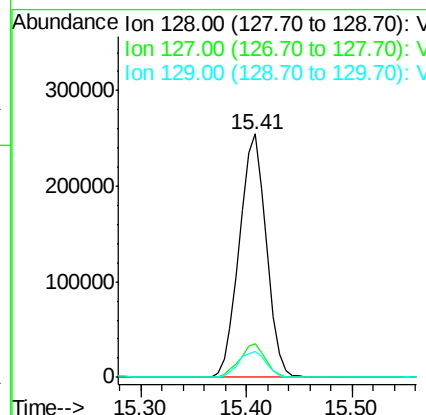
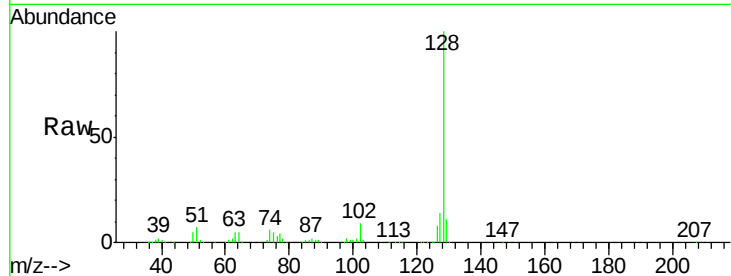
#95
Naphthalene
Concen: 50.446 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:36:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.421 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066824.D
Acq: 23 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.8	140.3
145	33.7	17.0	51.0

