

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066082.D
 Acq On : 29 Jul 2020 09:50
 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
 7/30/2020 6:19:37 PM

Quant Time: Jul 30 01:39:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	260077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	330284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113476	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.91	113	115547	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.34	98	442443	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
62) 4-Bromofluorobenzene	12.64	95	158364	57.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80416	40.743	ug/l	100
3) Chloromethane	2.21	50	64928	40.310	ug/l	97
4) Vinyl Chloride	2.35	62	70371	45.879	ug/l	96
5) Bromomethane	2.77	94	50871	46.842	ug/l	99
6) Chloroethane	2.93	64	45526	49.721	ug/l	92
7) Trichlorofluoromethane	3.27	101	189798	50.872	ug/l	100
8) Diethyl Ether	3.71	74	47000	45.576	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	109116	48.437	ug/l	96
10) Methyl Iodide	4.30	142	119537	52.084	ug/l	97
11) Tert butyl alcohol	5.21	59	31746	237.037	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	102041	47.454	ug/l	90
13) Acrolein	3.91	56	37110	208.137	ug/l	97
14) Allyl chloride	4.71	41	145713	43.349	ug/l	90
15) Acrylonitrile	5.42	53	101963	231.434	ug/l	97
16) Acetone	4.15	43	127471	297.584	ug/l	95
17) Carbon Disulfide	4.40	76	285911	40.990	ug/l	99
18) Methyl Acetate	4.71	43	45326	45.486	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	224540	50.822	ug/l	97
20) Methylene Chloride	4.96	84	108059	45.347	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	113187	46.573	ug/l	99
22) Diisopropyl ether	6.36	45	293346	45.936	ug/l	98
23) Vinyl Acetate	6.30	43	866743	240.661	ug/l	96
24) 1,1-Dichloroethane	6.26	63	183363	47.389	ug/l	97
25) 2-Butanone	7.20	43	138436	243.558	ug/l	98
26) 2,2-Dichloropropane	7.20	77	182705	52.508	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	124542	48.400	ug/l	99
28) Bromochloromethane	7.54	49	76425	46.536	ug/l	88
29) Tetrahydrofuran	7.56	42	77020	219.619	ug/l	92
30) Chloroform	7.71	83	199265	49.232	ug/l	98
31) Cyclohexane	7.98	56	162943	42.804	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	195580	52.240	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157931	52.214	ug/l	98
37) Ethyl Acetate	7.28	43	59427	51.446	ug/l	99
38) Carbon Tetrachloride	8.09	117	190454	58.031	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066082.D
 Acq On : 29 Jul 2020 09:50
 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
 7/30/2020 6:19:37 PM

Quant Time: Jul 30 01:39:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186072	50.799	ug/l	97
40) Benzene	8.35	78	429178	50.718	ug/l	96
41) Methacrylonitrile	7.53	41	38532	58.230	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	129910	56.025	ug/l	98
43) Isopropyl Acetate	8.45	43	112851	50.020	ug/l	98
44) Trichloroethene	9.11	130	134796	52.640	ug/l	98
45) 1,2-Dichloropropane	9.38	63	102516	50.022	ug/l	98
46) Dibromomethane	9.48	93	58216	52.767	ug/l	96
47) Bromodichloromethane	9.66	83	157544	54.006	ug/l	99
48) Methyl methacrylate	9.46	41	52440	46.079	ug/l	85
49) 1,4-Dioxane	9.47	88	13473	1054.060	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	292805	257.578	ug/l	99
52) Toluene	10.40	92	292779	53.055	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	150777	55.478	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	175599	53.302	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	83661	53.467	ug/l	93
56) Ethyl methacrylate	10.66	69	100780	55.397	ug/l #	96
57) 1,3-Dichloropropane	10.95	76	136289	52.615	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	211377	243.228	ug/l	96
59) 2-Hexanone	10.98	43	217697	276.349	ug/l	96
60) Dibromochloromethane	11.14	129	118355	56.100	ug/l	98
61) 1,2-Dibromoethane	11.25	107	81661	54.128	ug/l	99
64) Tetrachloroethene	10.88	164	123049	54.889	ug/l	96
65) Chlorobenzene	11.67	112	318156	52.611	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	125397	56.158	ug/l	99
67) Ethyl Benzene	11.75	91	572590	55.020	ug/l	96
68) m/p-Xylenes	11.86	106	444687	111.172	ug/l	99
69) o-Xylene	12.18	106	201104	55.277	ug/l	95
70) Styrene	12.20	104	357348	57.167	ug/l	98
71) Bromoform	12.37	173	73320	56.057	ug/l #	99
73) Isopropylbenzene	12.48	105	577888	51.624	ug/l	99
74) N-amyl acetate	12.30	43	112456	48.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86545	46.782	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	57103m	40.995	ug/l	
77) Bromobenzene	12.77	156	143079	50.013	ug/l	95
78) n-propylbenzene	12.83	91	673044	51.814	ug/l	100
79) 2-Chlorotoluene	12.91	91	373955	50.391	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	489854	53.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31198	51.394	ug/l	95
82) 4-Chlorotoluene	13.01	91	398388	50.860	ug/l	100
83) tert-Butylbenzene	13.23	119	422547	52.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	478523	52.739	ug/l	99
85) sec-Butylbenzene	13.41	105	592641	53.463	ug/l	100
86) p-Isopropyltoluene	13.53	119	546122	54.229	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	269740	50.785	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	274524	51.127	ug/l	98
89) n-Butylbenzene	13.85	91	498442	53.230	ug/l	98
90) Hexachloroethane	14.12	117	104940	50.337	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	237736	51.653	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14434	47.607	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
Data File : VD066082.D
Acq On : 29 Jul 2020 09:50
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

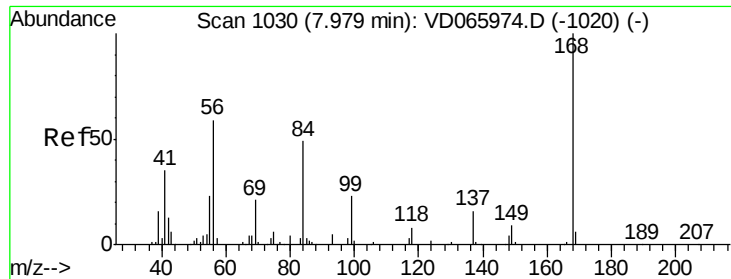
Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM

Quant Time: Jul 30 01:39:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	179507	54.336	ug/l	99
94) Hexachlorobutadiene	15.28	225	112795	55.225	ug/l	99
95) Naphthalene	15.41	128	285433	48.685	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	152727	53.177	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 260077

Ion Ratio Lower Upper

168 100

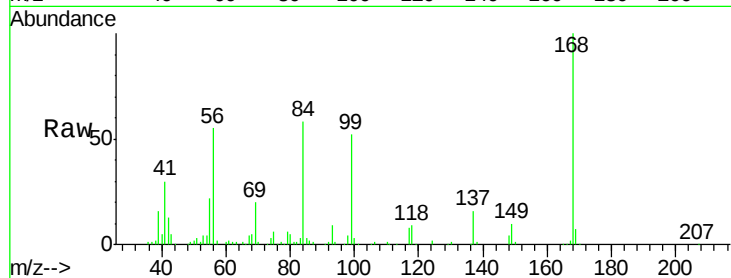
99 52.0 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

7/30/2020 6:19:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

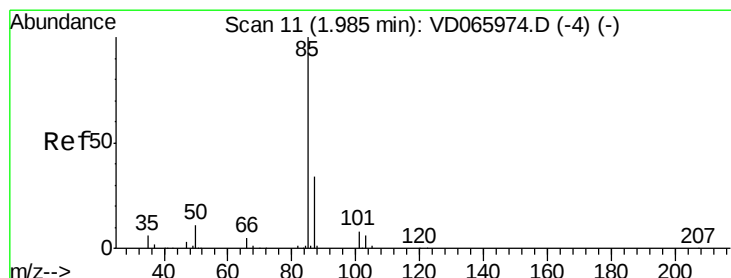
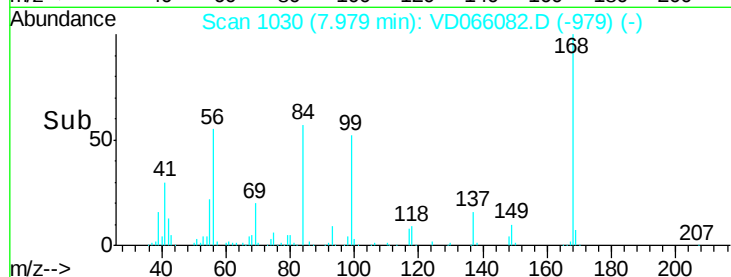
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.743 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066082.D

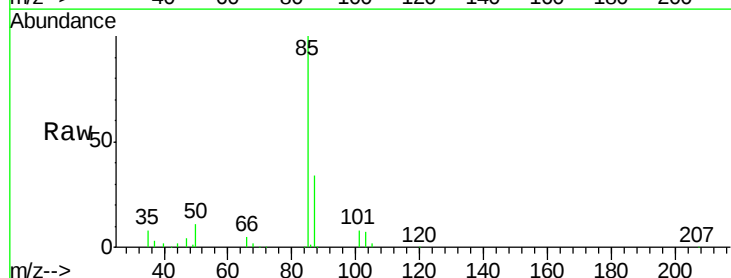
Acq: 29 Jul 2020 09:50

Tgt Ion: 85 Resp: 80416

Ion Ratio Lower Upper

85 100

87 34.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

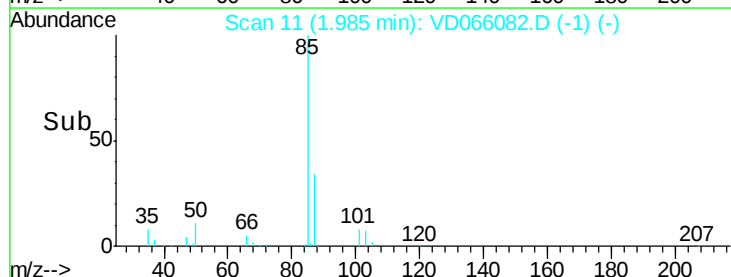
40000

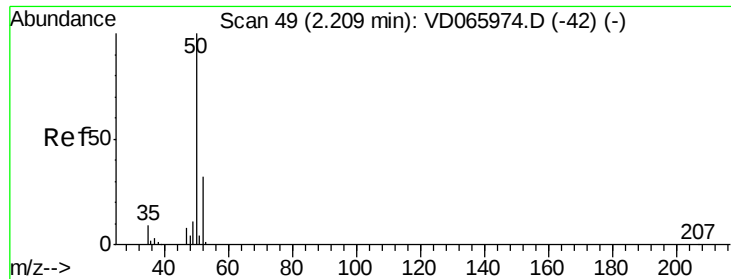
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.310 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 64928

Ion Ratio Lower Upper

50 100

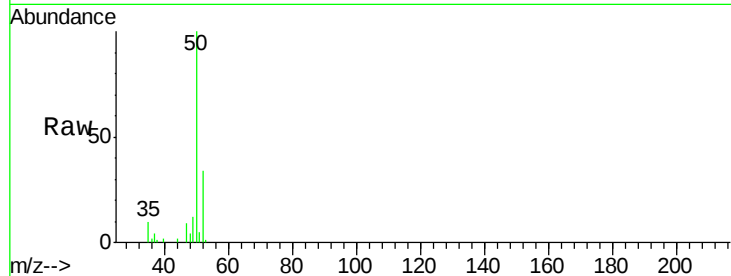
52 33.8 25.8 38.8

Manual Integrations

APPROVED

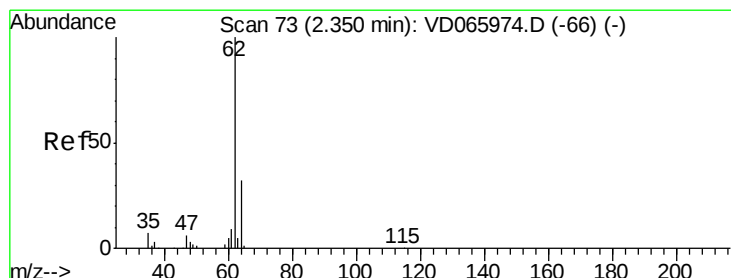
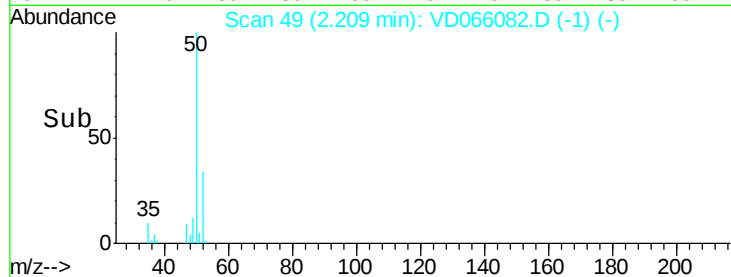
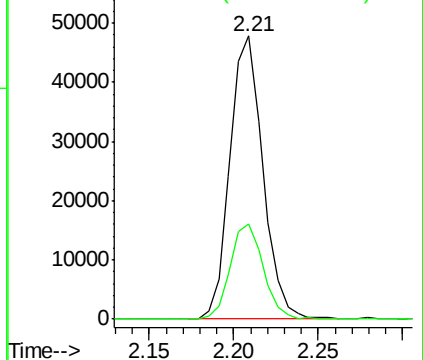
MMDadoda

7/30/2020 6:19:37 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.879 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066082.D

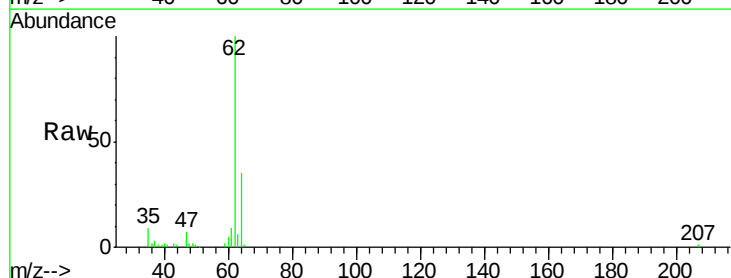
Acq: 29 Jul 2020 09:50

Tgt Ion: 62 Resp: 70371

Ion Ratio Lower Upper

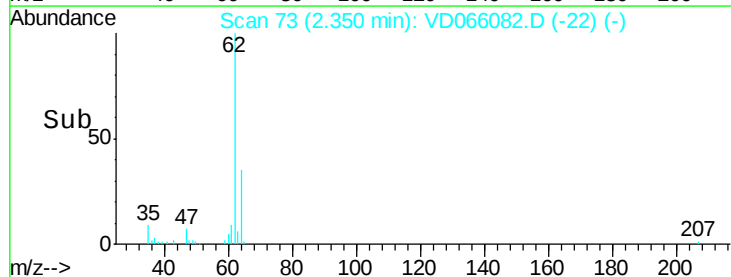
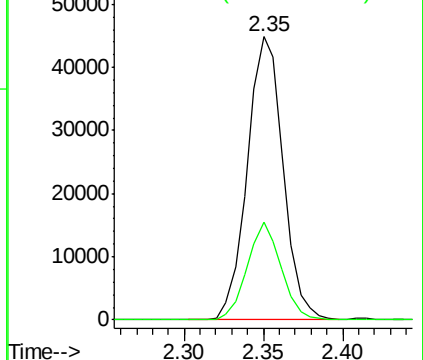
62 100

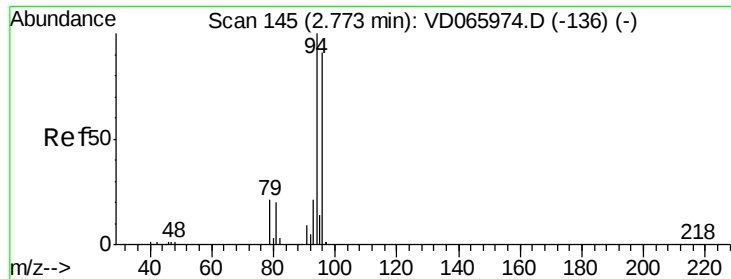
64 34.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.842 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50871

Ion Ratio Lower Upper

94 100

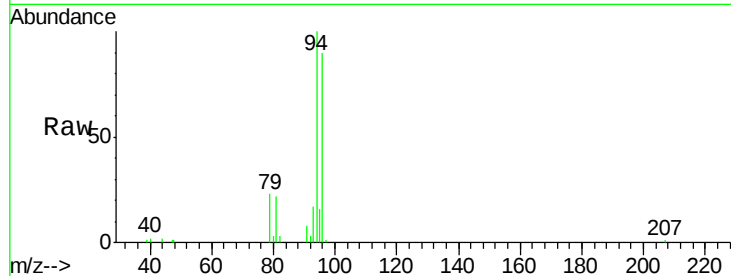
96 89.9 73.0 109.4

Manual Integrations

APPROVED

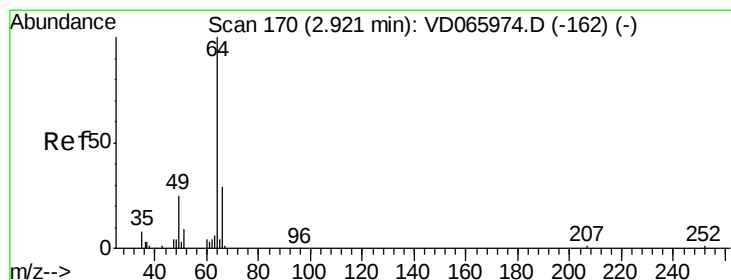
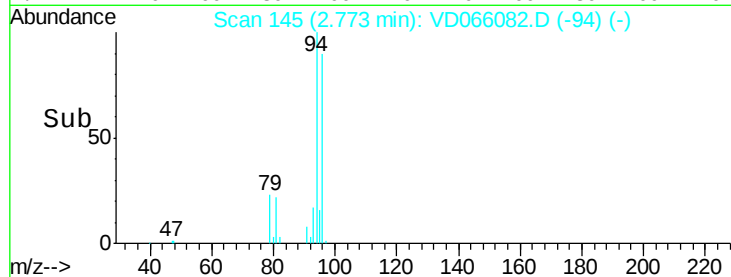
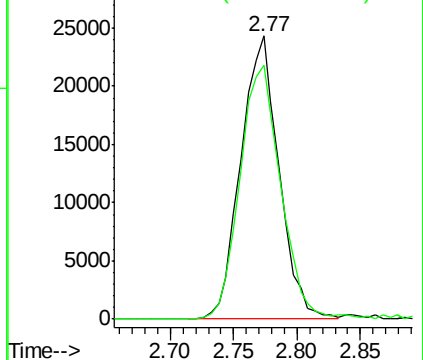
MMDadoda

7/30/2020 6:19:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.721 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066082.D

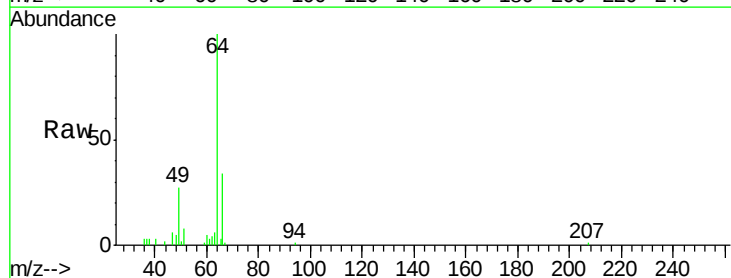
Acq: 29 Jul 2020 09:50

Tgt Ion: 64 Resp: 45526

Ion Ratio Lower Upper

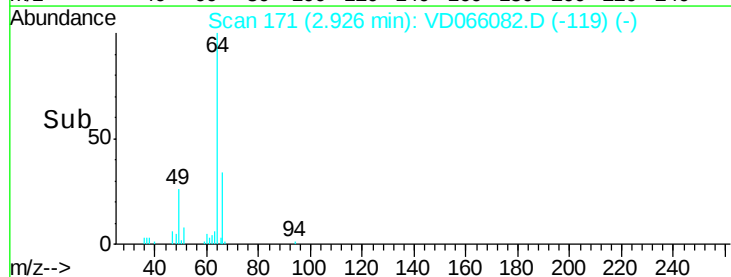
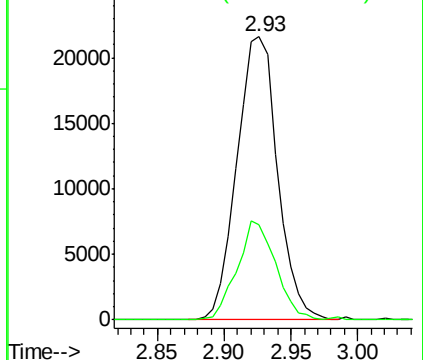
64 100

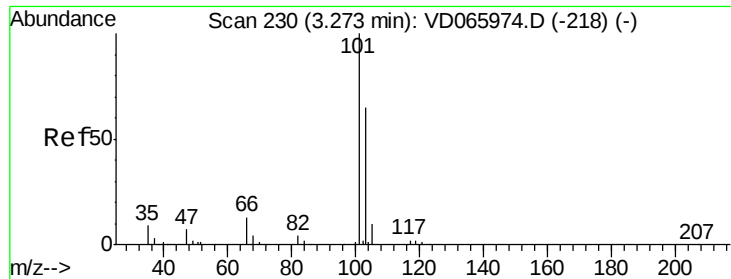
66 33.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

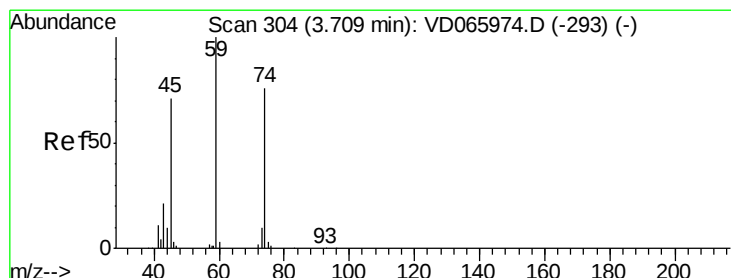
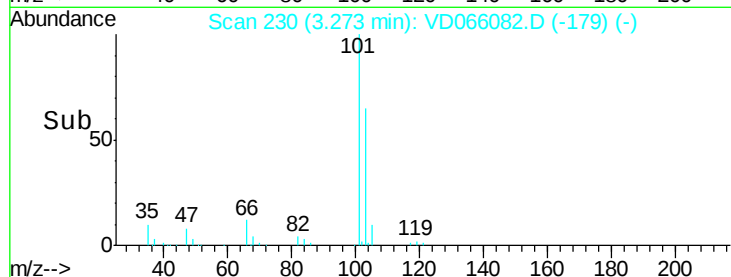
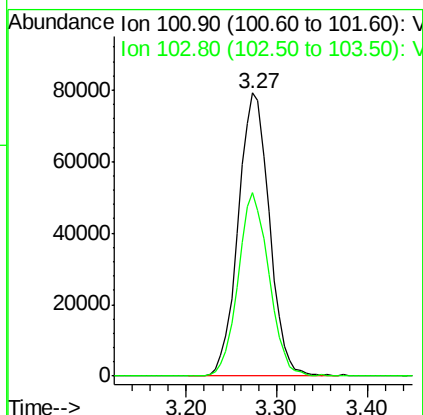
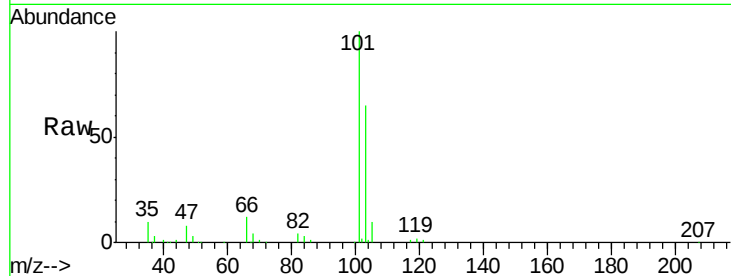
Trichlorofluoromethane
Concen: 50.872 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	189798		
103	64.8	52.1	78.1	

Manual Integrations
APPROVED

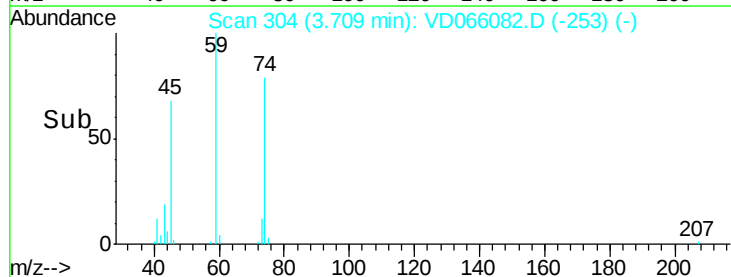
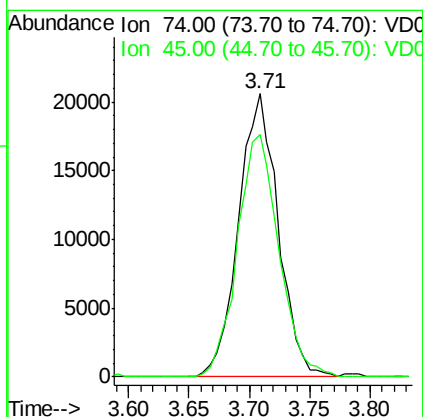
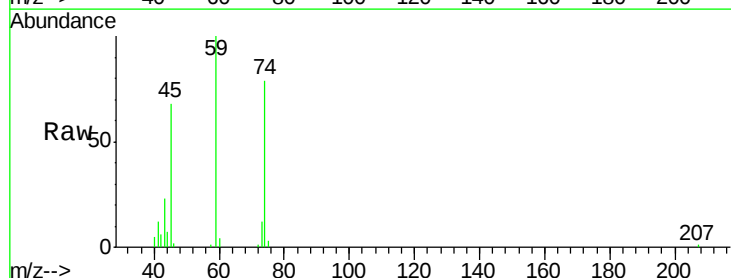
MMDadoda
7/30/2020 6:19:37 PM

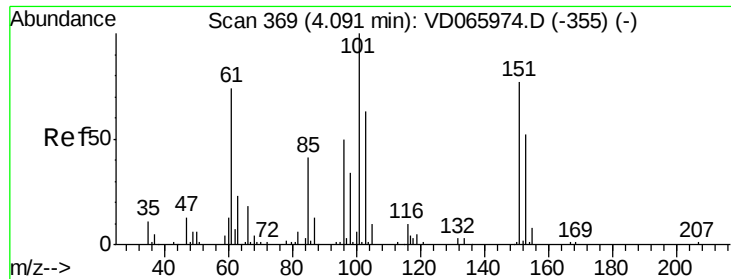


#8

Diethyl Ether
Concen: 45.576 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	47000		
45	89.6	49.9	149.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.437 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

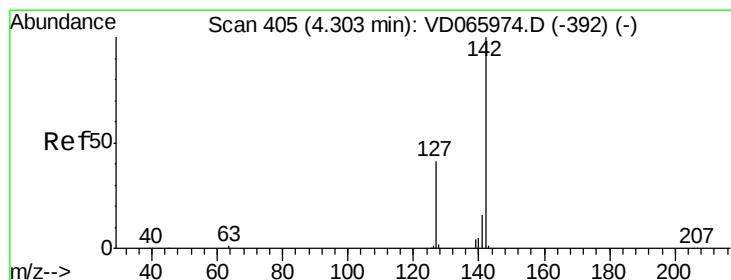
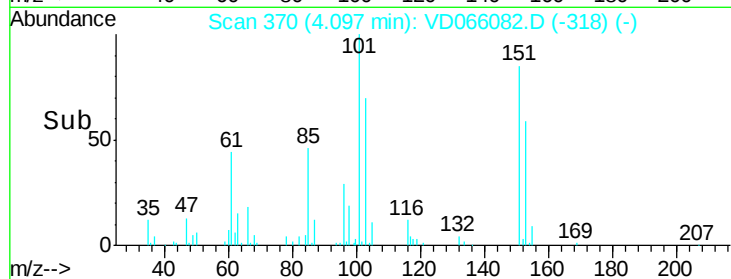
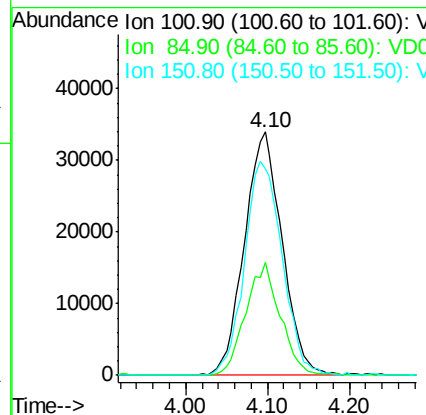
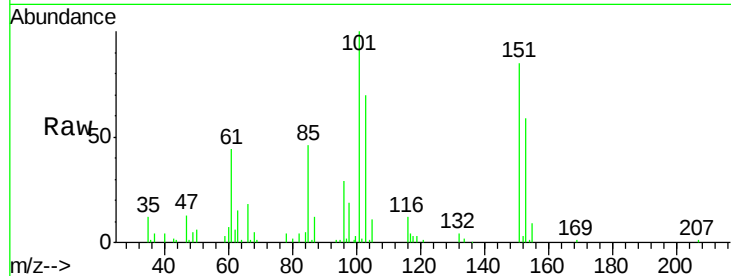
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109116
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.6	50.4
151	87.7	66.6	99.8

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#10

Methyl Iodide

Concen: 52.084 ug/l

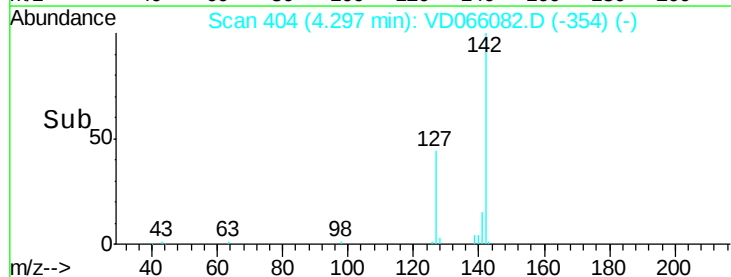
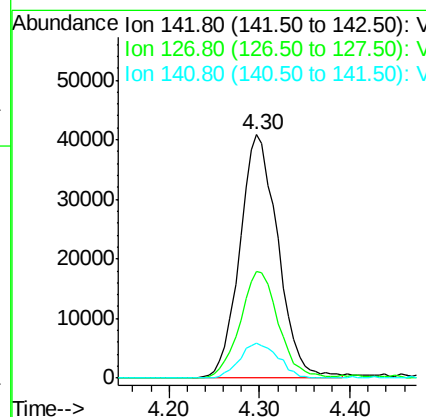
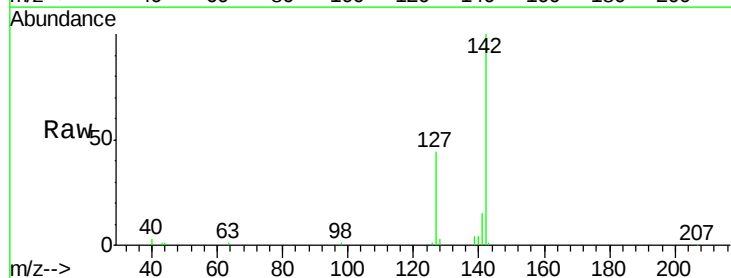
RT: 4.30 min Scan# 404

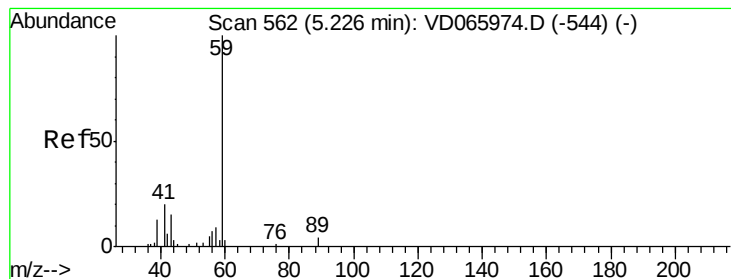
Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	142	Resp:	119537
Ion Ratio	Lower	Upper	
142	100		
127	44.0	32.9	49.3
141	14.5	11.8	17.6





#11

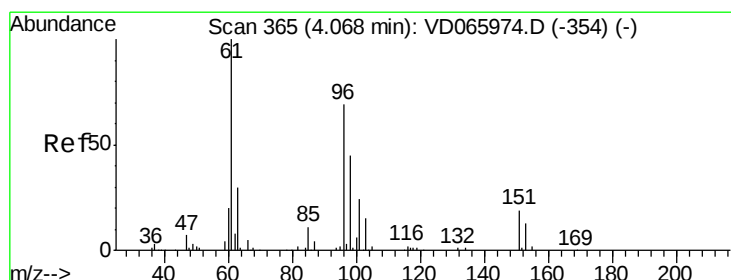
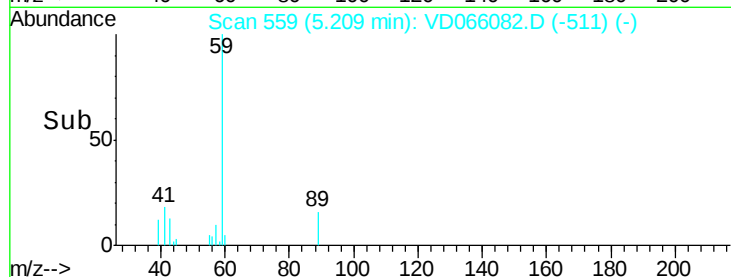
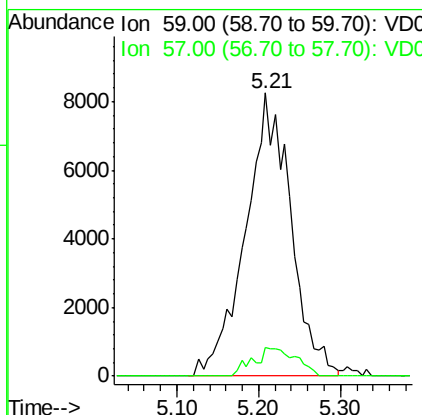
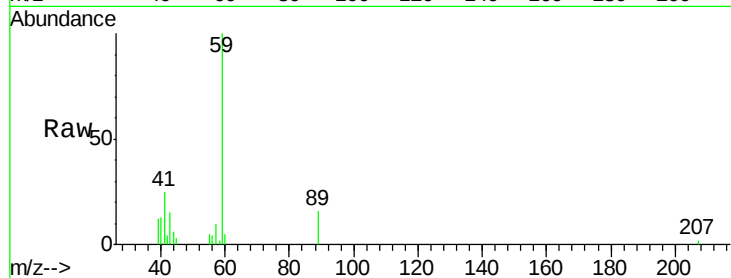
Tert butyl alcohol
 Concen: 237.037 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	31746
Ion Ratio	100	Lower	Upper
57	9.4	4.5	6.7#

Manual Integrations
 APPROVED

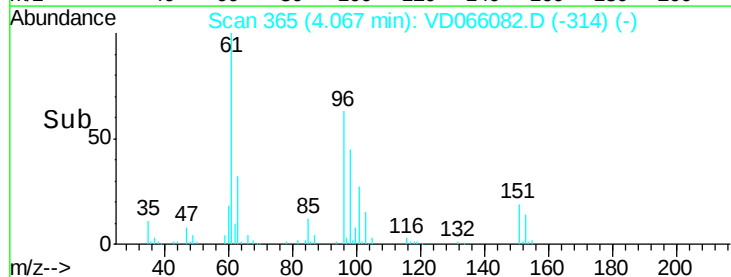
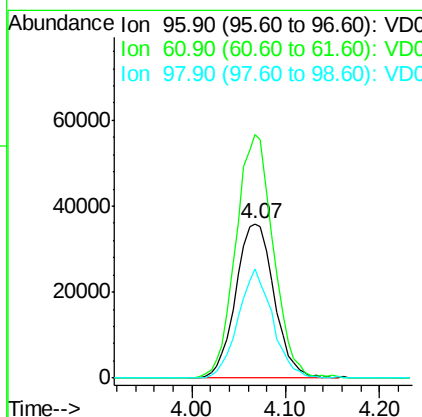
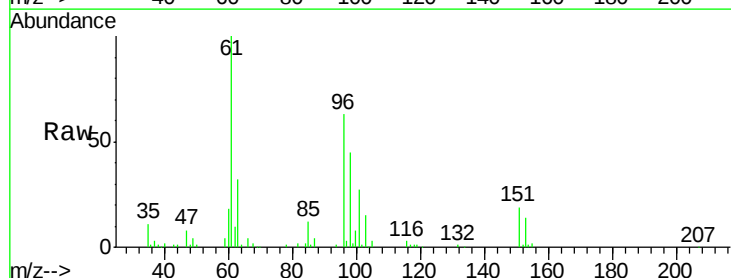
MMDadoda
 7/30/2020 6:19:37 PM

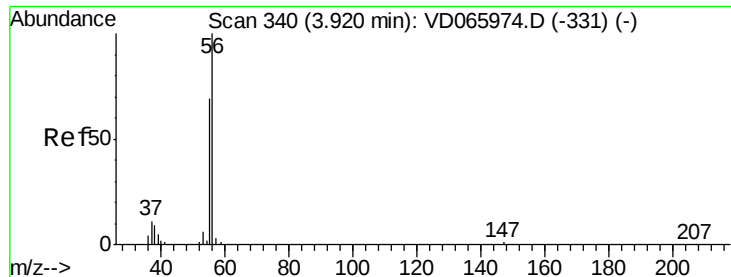


#12

1,1-Dichloroethene
 Concen: 47.454 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	96	Resp	102041
Ion Ratio	100	Lower	Upper
61	157.5	115.4	173.0
98	70.3	51.5	77.3





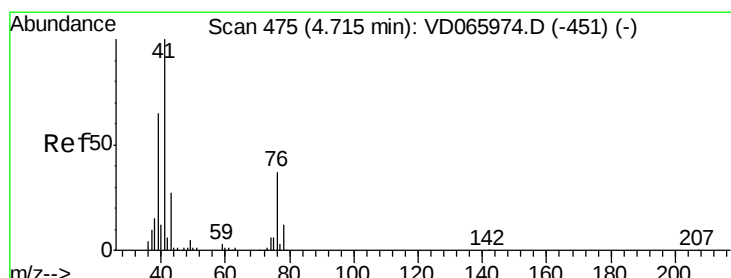
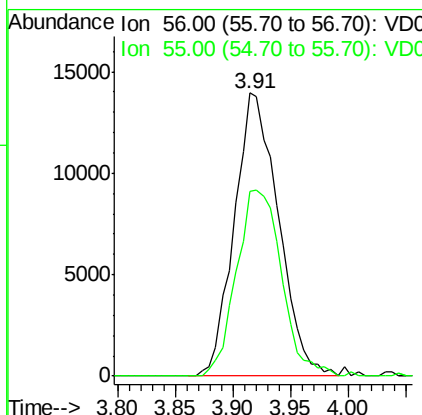
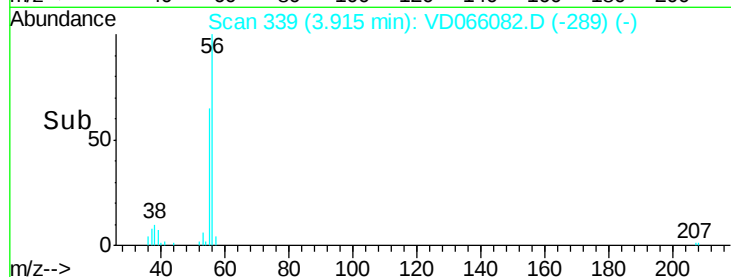
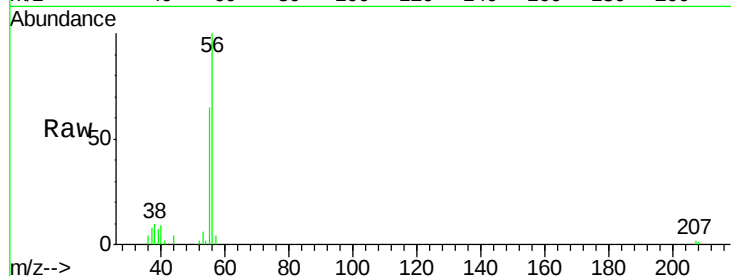
#13
Acrolein
Concen: 208.137 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	37110
Ion Ratio	100	Lower	Upper
55	67.2	55.8	83.8

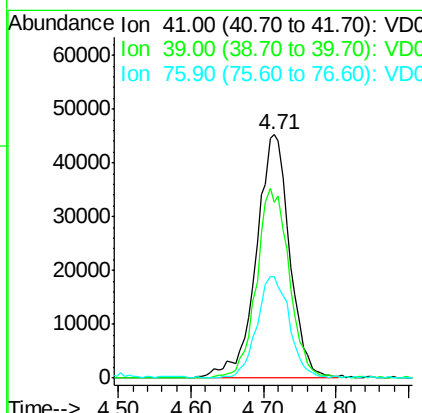
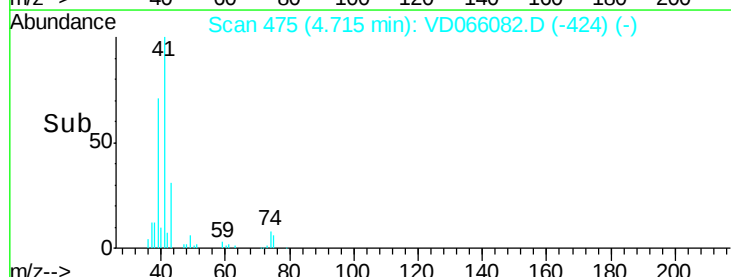
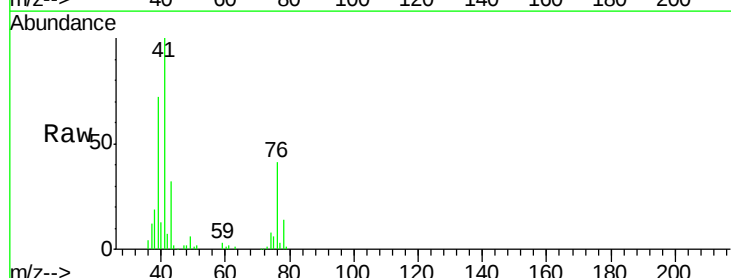
Manual Integrations
APPROVED

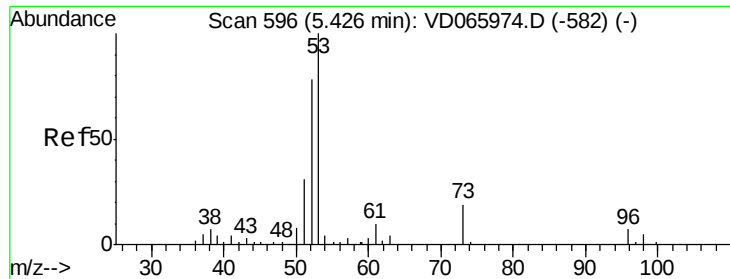
MMDadoda
7/30/2020 6:19:37 PM



#14
Allyl chloride
Concen: 43.349 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	41	Resp	145713
Ion Ratio	100	Lower	Upper
39	76.3	53.4	80.2
76	40.8	29.1	43.7





#15

Acrylonitrile

Concen: 231.434 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

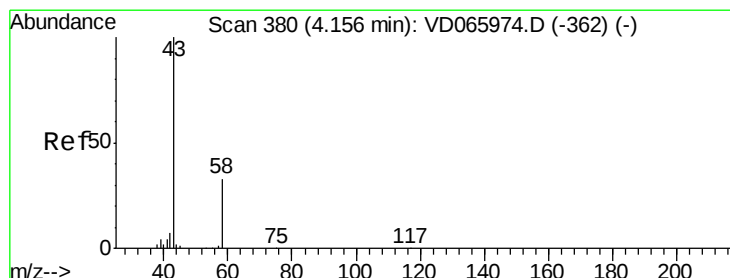
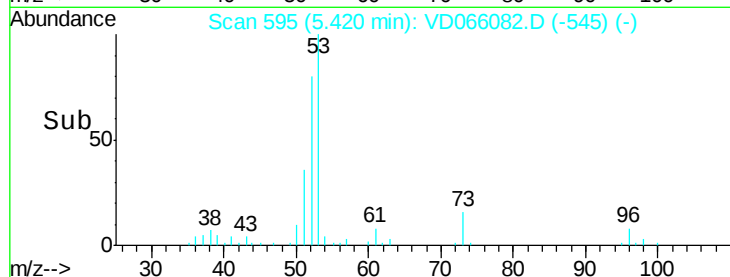
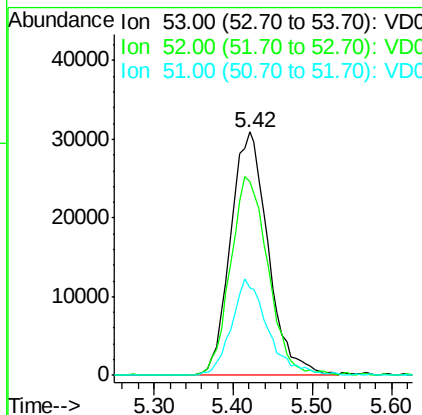
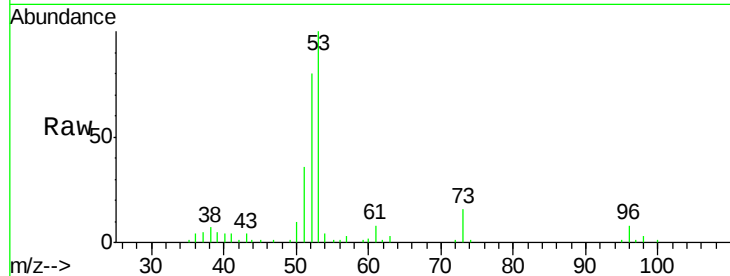
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	101963
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.1	100.7
51	38.0	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#16

Acetone

Concen: 297.584 ug/l

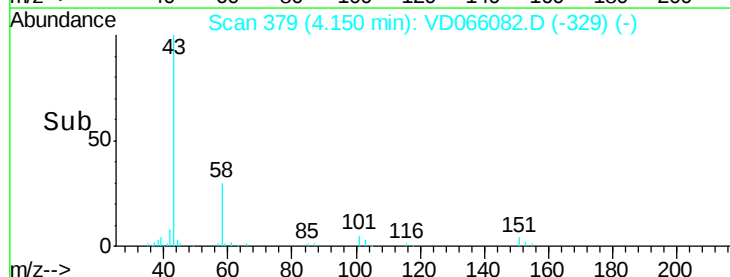
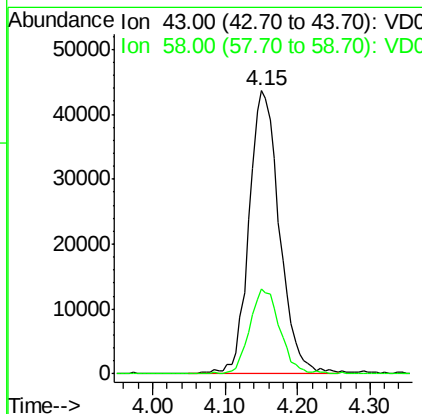
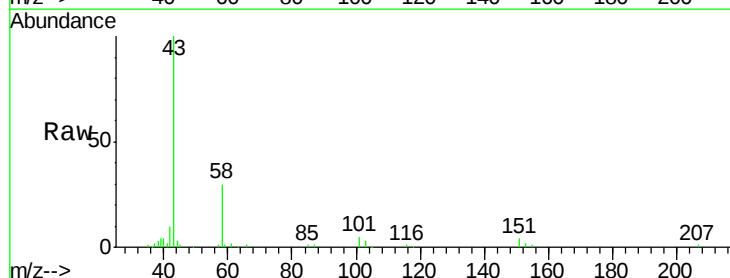
RT: 4.15 min Scan# 379

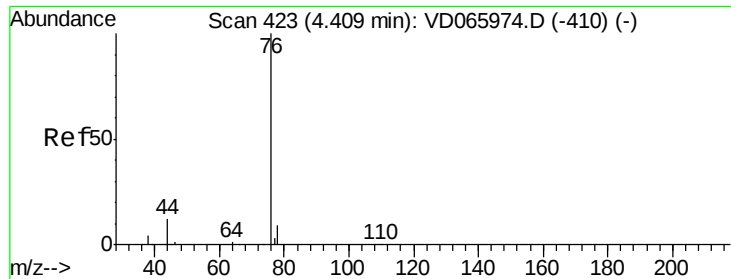
Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	43	Resp:	127471
Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.3	39.5





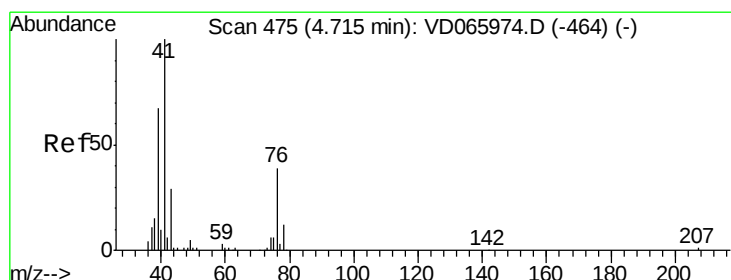
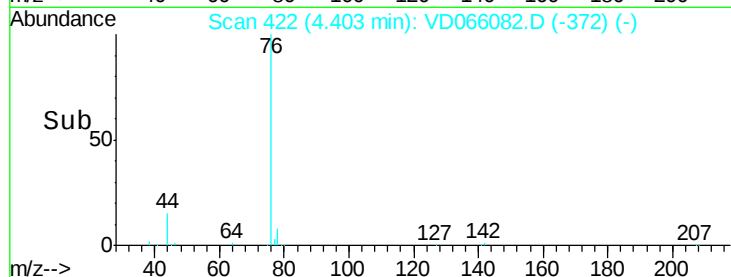
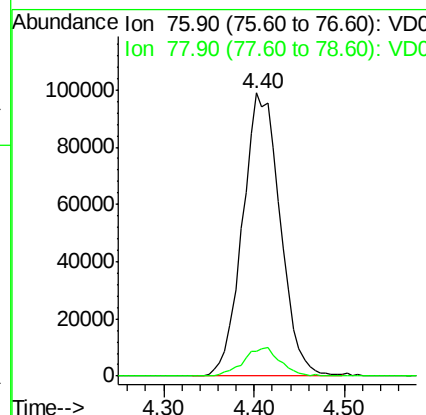
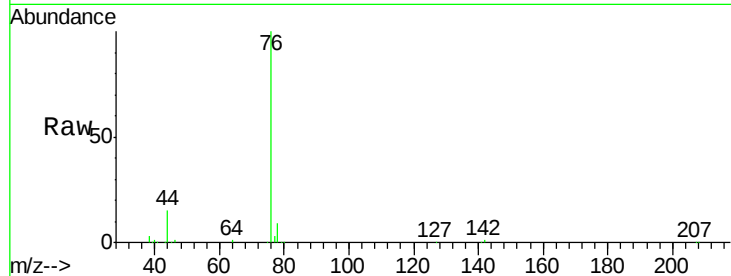
#17
Carbon Disulfide
Concen: 40.990 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

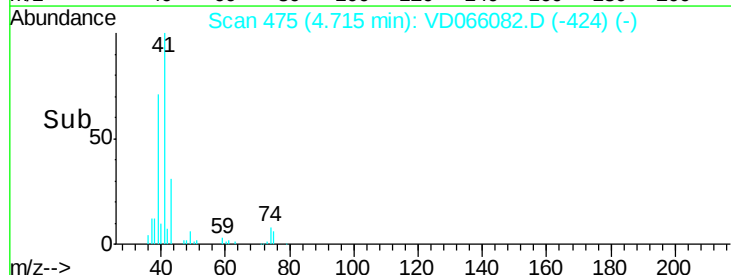
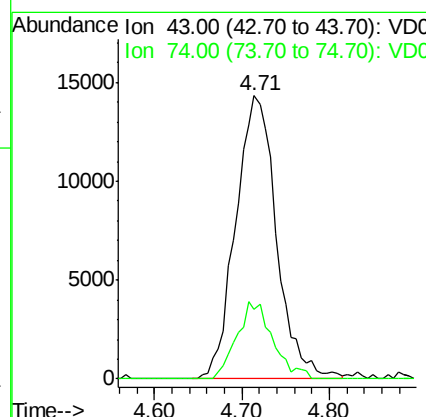
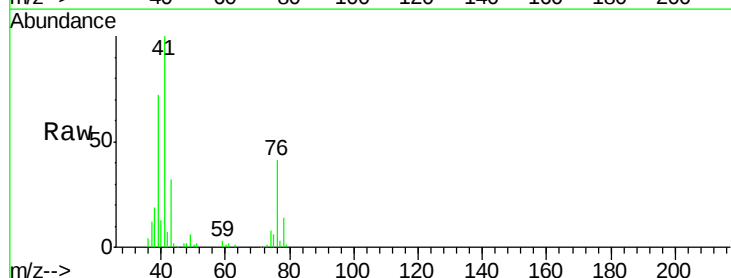
Manual Integrations
APPROVED

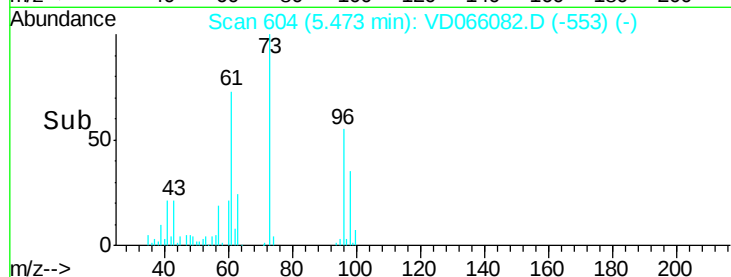
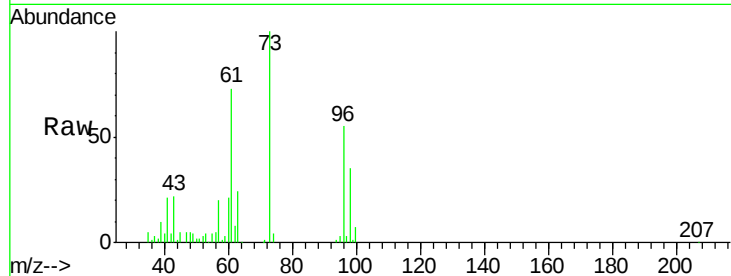
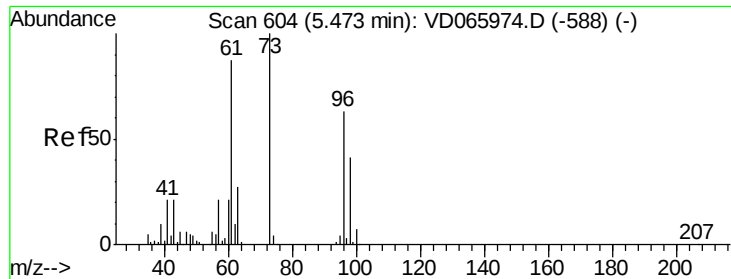
MMDadoda
7/30/2020 6:19:37 PM



#18
Methyl Acetate
Concen: 45.486 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.2	28.8





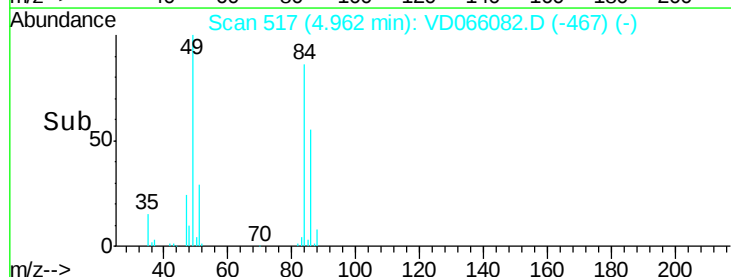
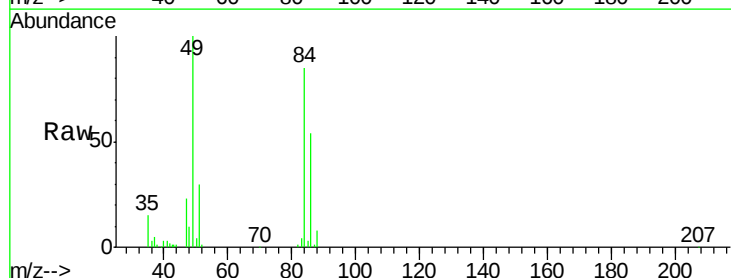
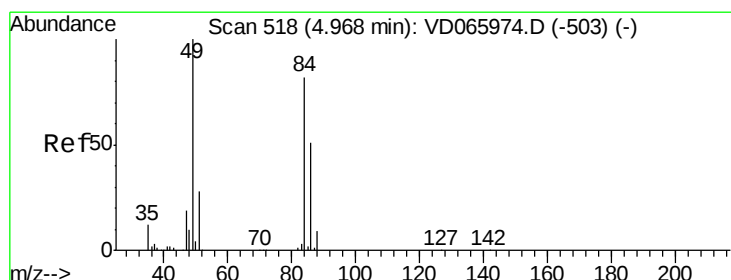
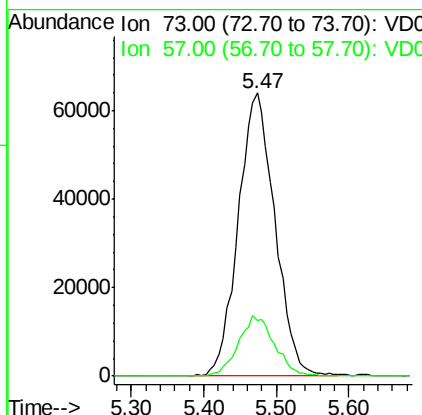
#19
Methyl tert-butyl Ether
Concen: 50.822 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tot Ion: 73 Resp: 224540
Ion Ratio Lower Upper
73 100
57 19.7 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

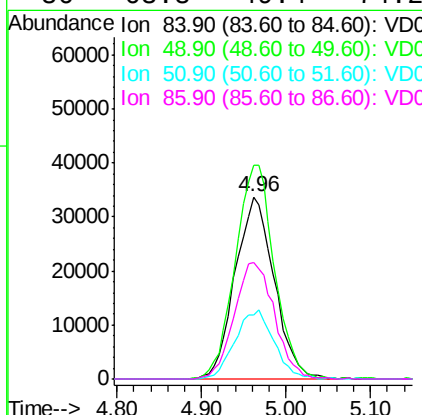
Manual Integrations
APPROVED

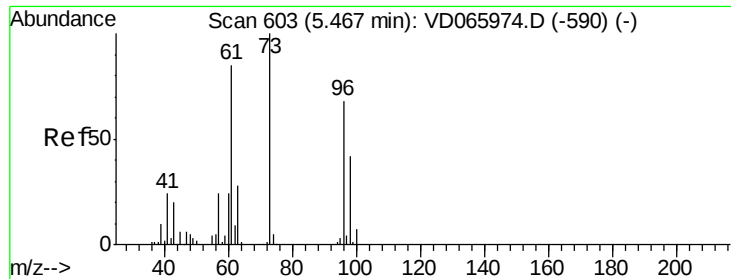
MMDadoda
7/30/2020 6:19:37 PM



#20
Methylene Chloride
Concen: 45.347 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion: 84 Resp: 108059
Ion Ratio Lower Upper
84 100
49 117.5 97.7 146.5
51 35.0 27.4 41.2
86 63.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 46.573 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

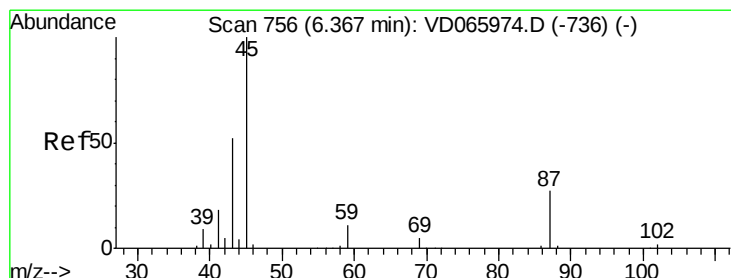
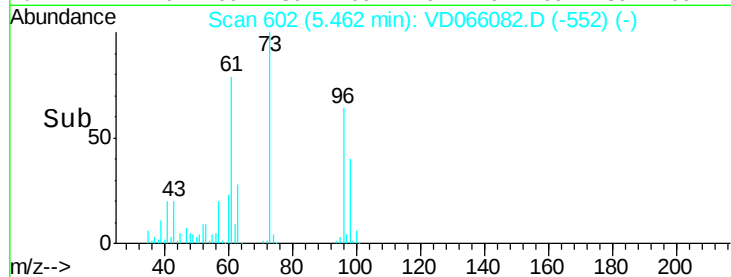
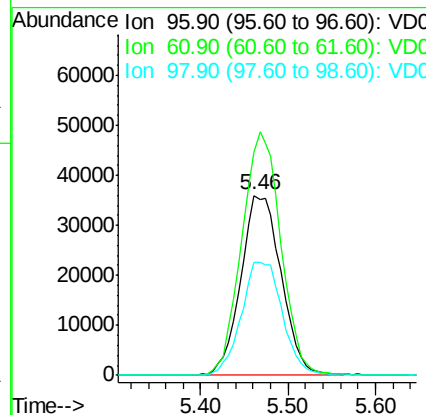
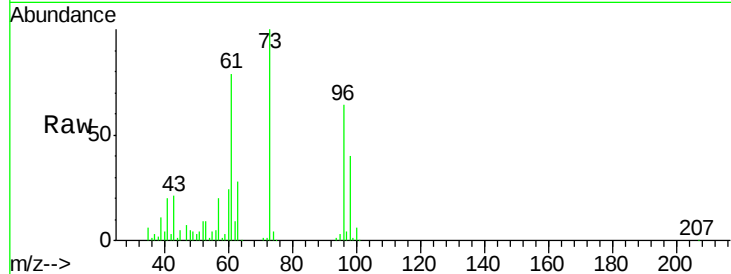
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	113187
Ion	Ratio	Lower	Upper
96	100		
61	124.2	100.5	150.7
98	62.9	49.7	74.5

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#22

Diisopropyl ether

Concen: 45.936 ug/l

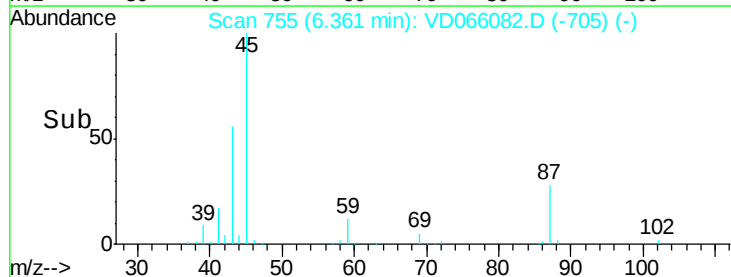
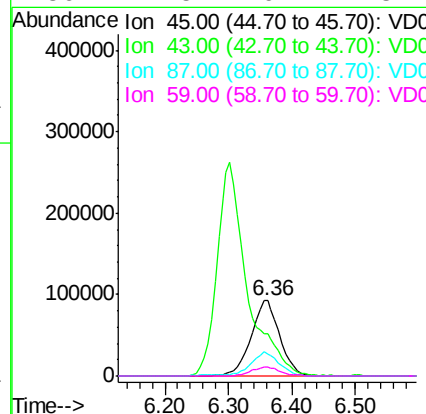
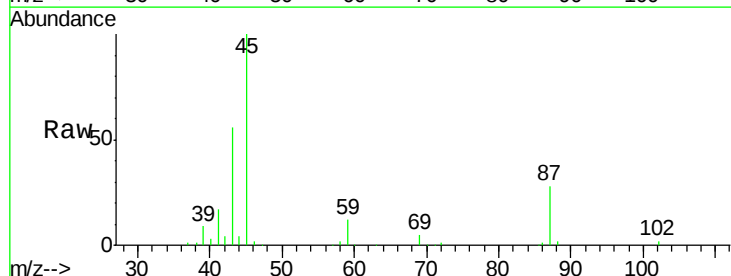
RT: 6.36 min Scan# 755

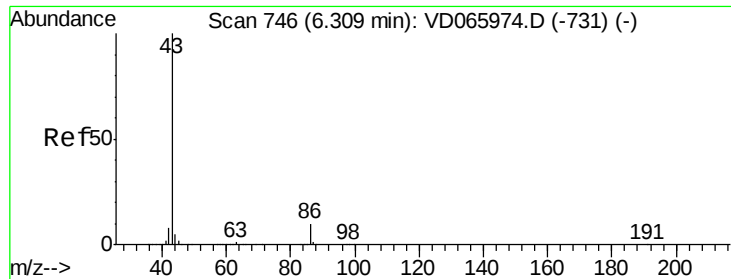
Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	45	Resp:	293346
Ion	Ratio	Lower	Upper
45	100		
43	55.0	43.0	64.4
87	28.3	22.0	33.0
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 240.661 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 866743

Ion Ratio Lower Upper

43 100

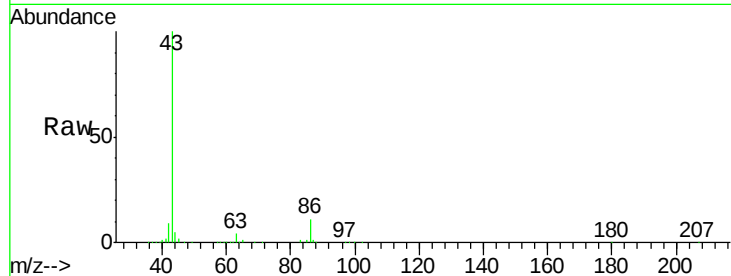
86 11.2 7.9 11.9

Manual Integrations

APPROVED

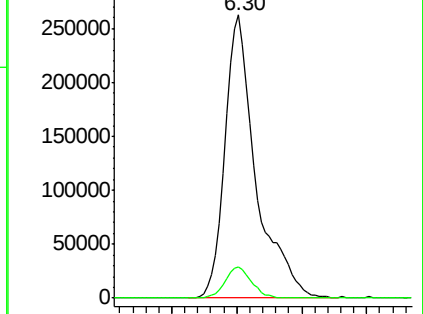
MMDadoda

7/30/2020 6:19:37 PM

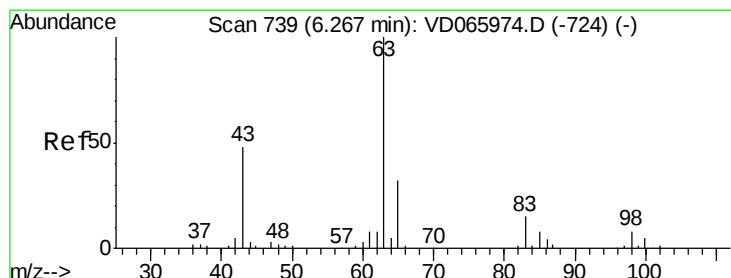
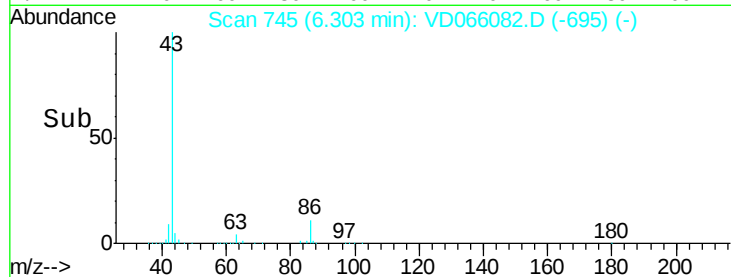


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 47.389 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

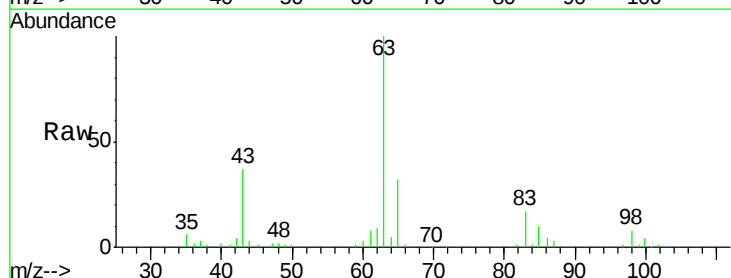
Tgt Ion: 63 Resp: 183363

Ion Ratio Lower Upper

63 100

98 7.6 4.3 12.8

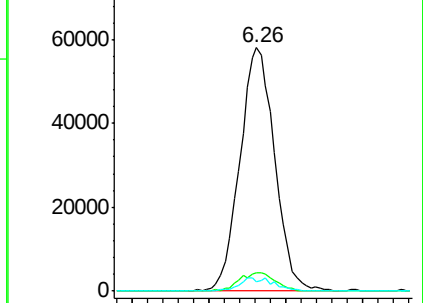
100 3.8 2.5 7.5



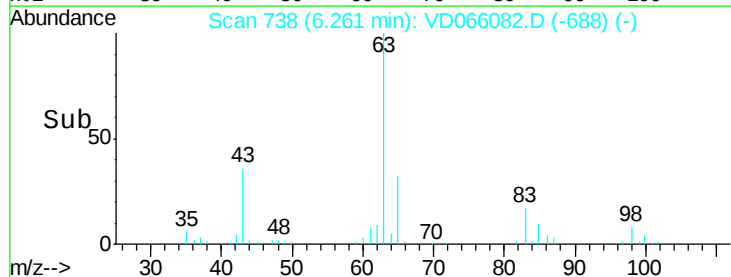
Abundance Ion 62.90 (62.60 to 63.60): VDC

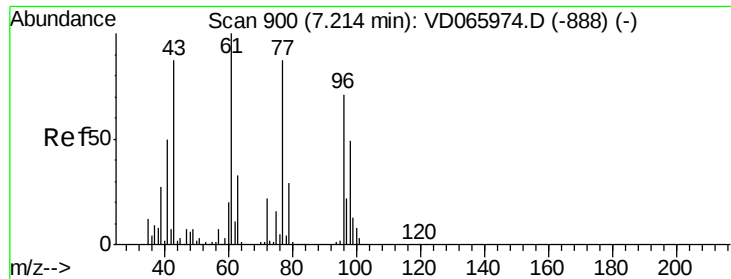
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





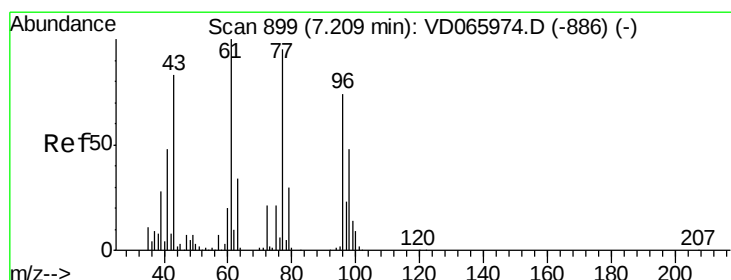
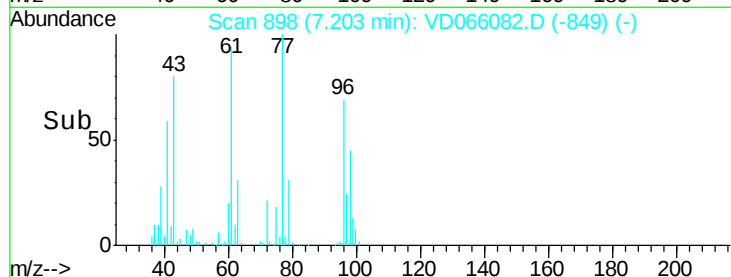
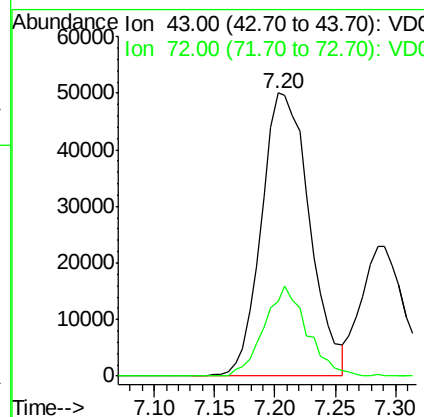
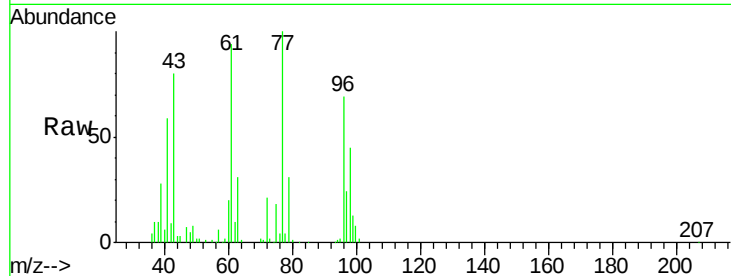
#25
 2-Butanone
 Concen: 243.558 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 138436
 Ion Ratio Lower Upper
 43 100
 72 26.2 20.2 30.2

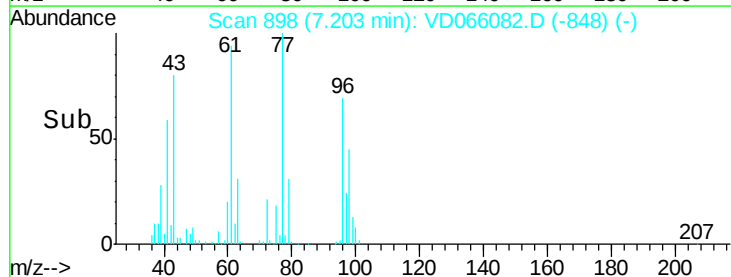
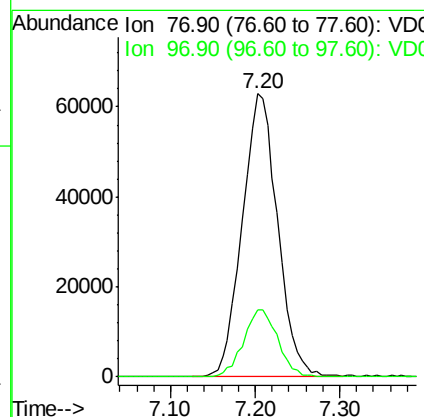
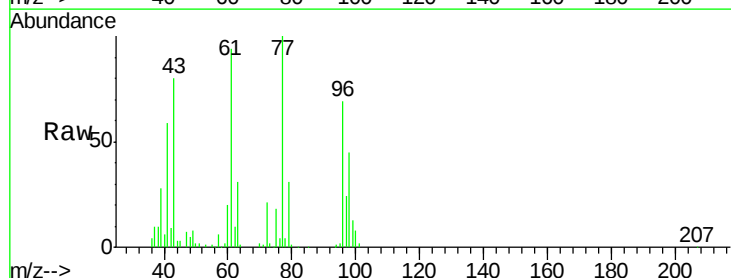
Manual Integrations
 APPROVED

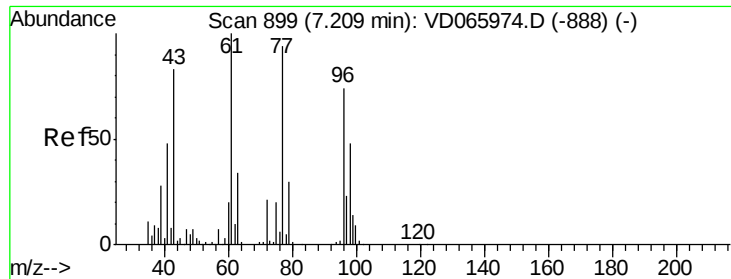
MMDadoda
 7/30/2020 6:19:37 PM



#26
 2,2-Dichloropropane
 Concen: 52.508 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion: 77 Resp: 182705
 Ion Ratio Lower Upper
 77 100
 97 23.0 11.6 34.7





#27

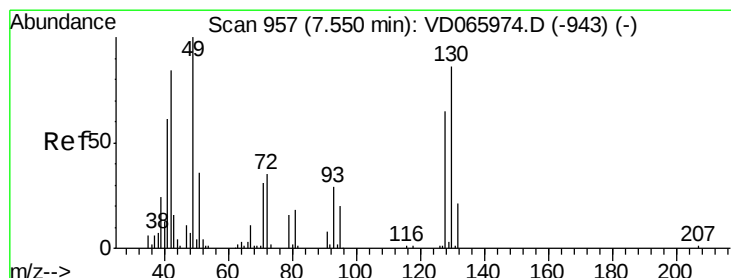
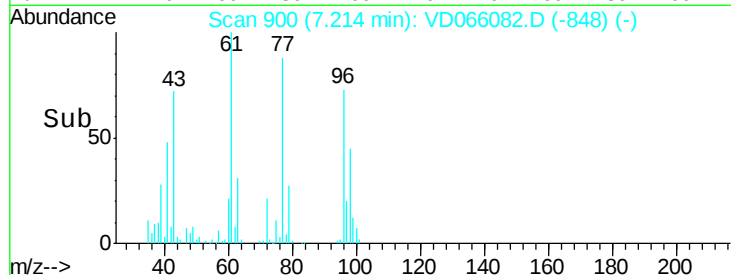
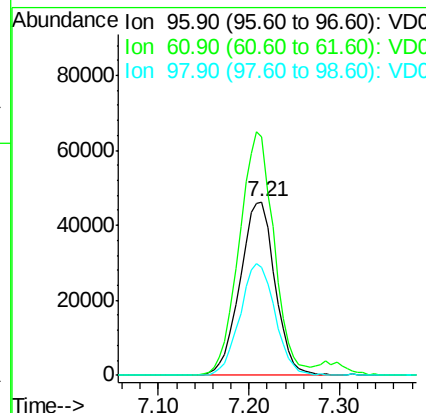
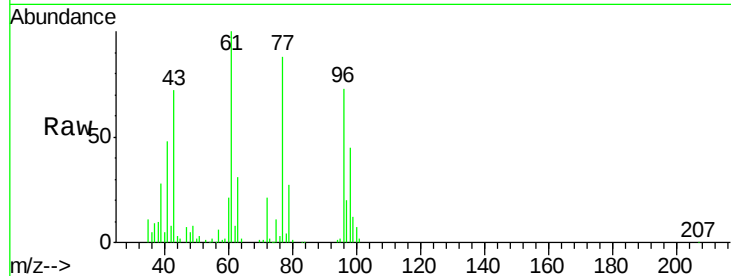
cis-1,2-Dichloroethene
Concen: 48.400 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	276.6
98	64.6	0.0	130.8

Manual Integrations
APPROVED

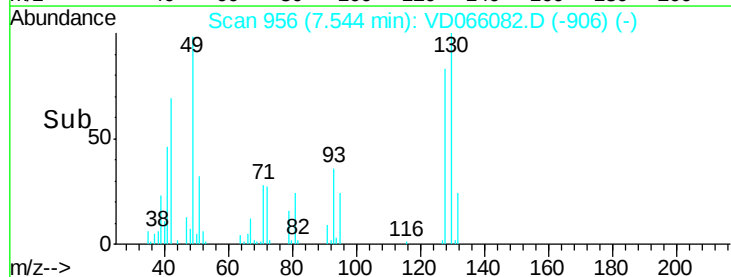
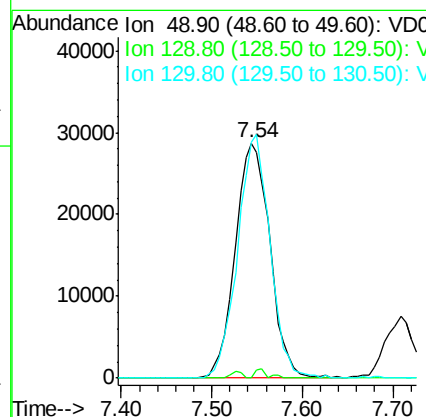
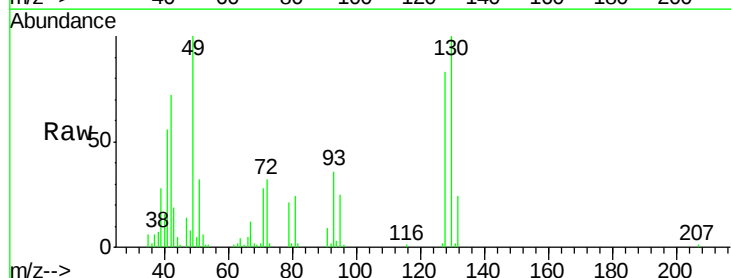
MMDadoda
7/30/2020 6:19:37 PM

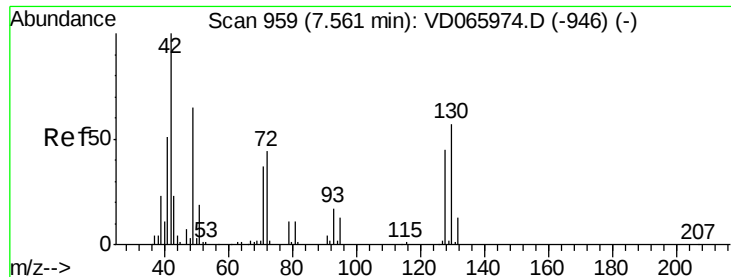


#28

Bromochloromethane
Concen: 46.536 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.8
130	96.6	68.4	102.6





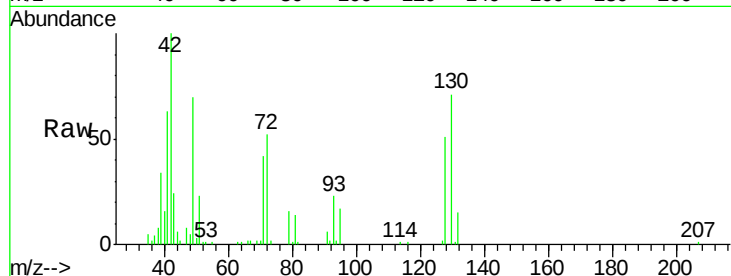
#29
Tetrahydrofuran
Concen: 219.619 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

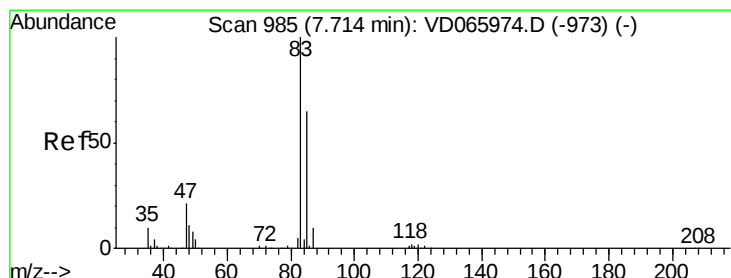
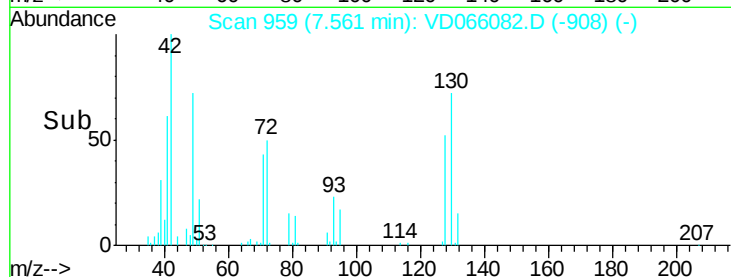
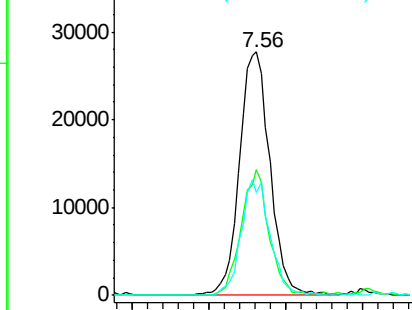
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	34.2	51.2
71	44.8	31.4	47.2

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM

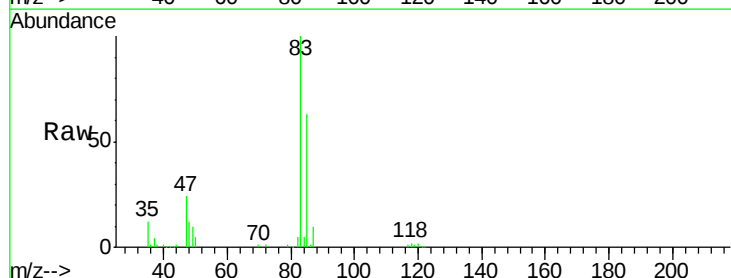


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

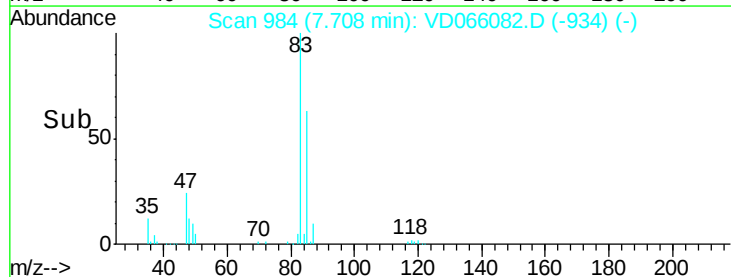
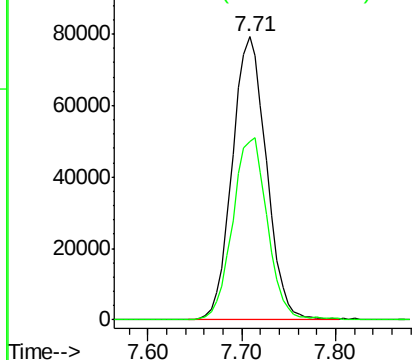


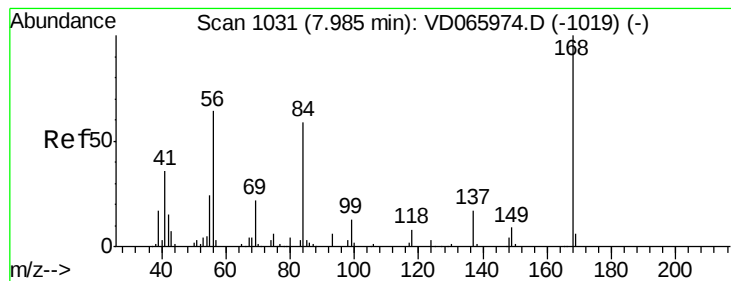
#30
Chloroform
Concen: 49.232 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.1	78.1



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





#31

Cyclohexane

Concen: 42.804 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

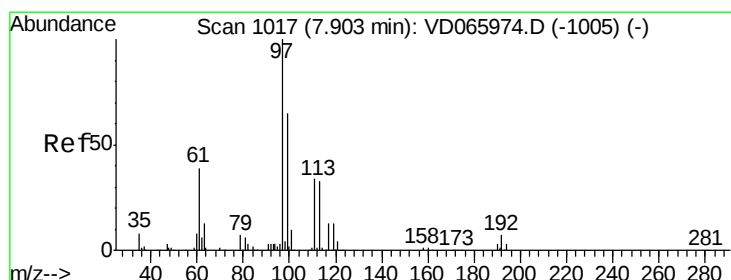
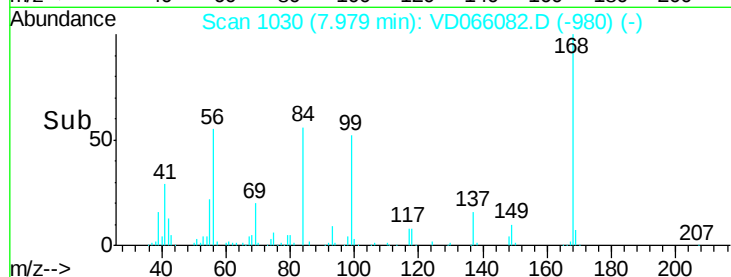
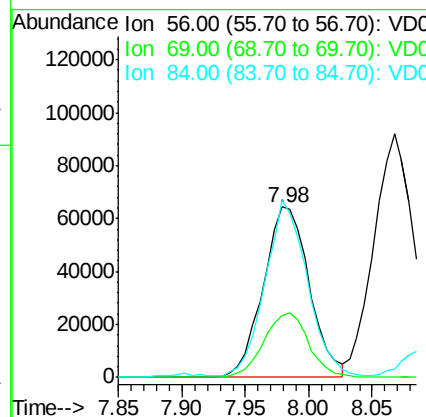
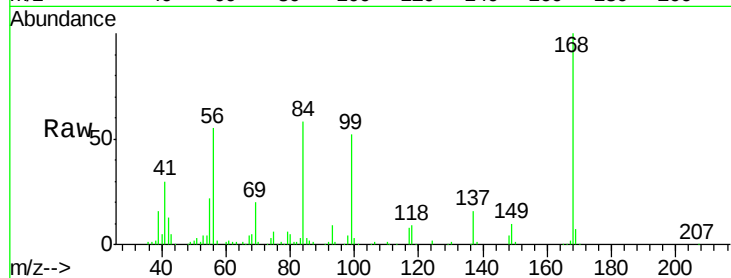
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	162943
Ion	Ratio	Lower	Upper
56	100		
69	36.5	28.0	42.0
84	102.4	72.6	109.0

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#32

1,1,1-Trichloroethane

Concen: 52.240 ug/l

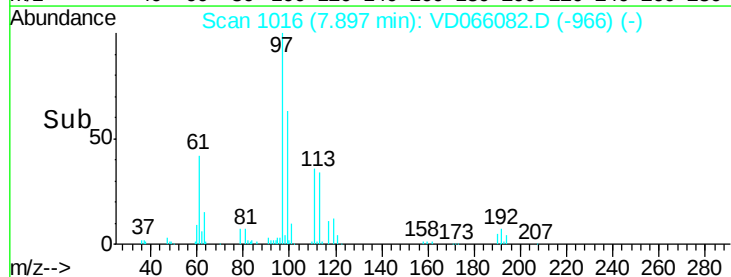
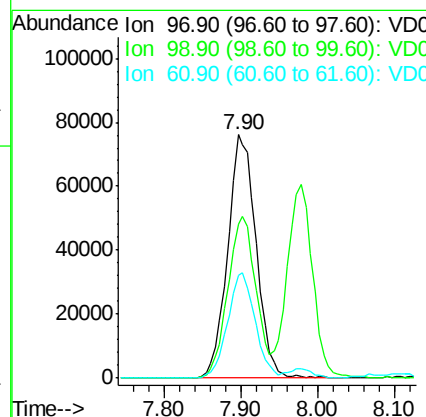
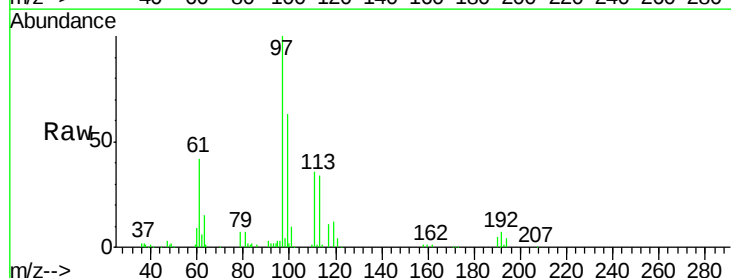
RT: 7.90 min Scan# 1016

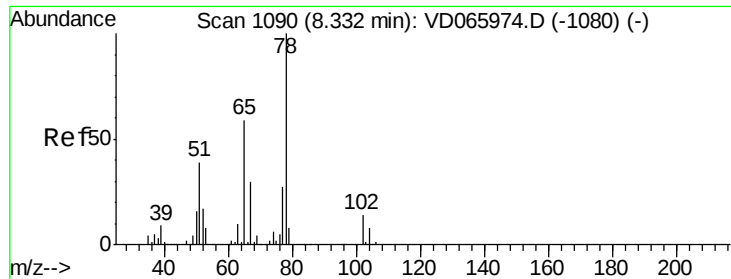
Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	97	Resp:	195580
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	41.7	33.3	49.9





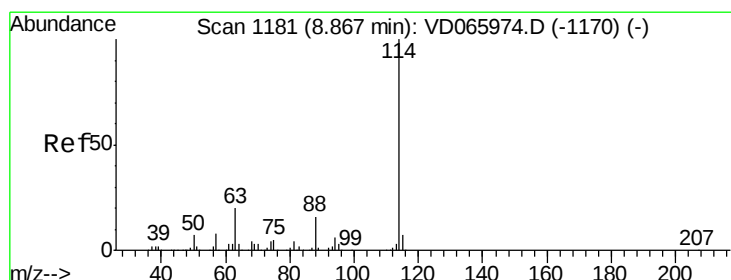
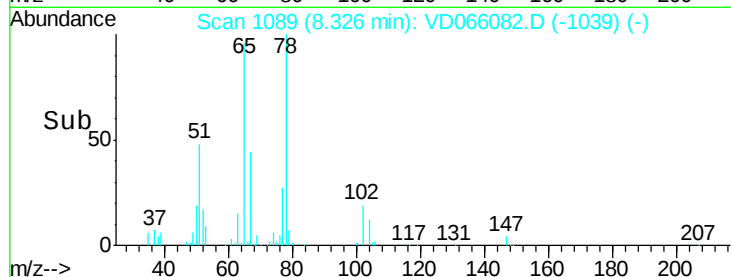
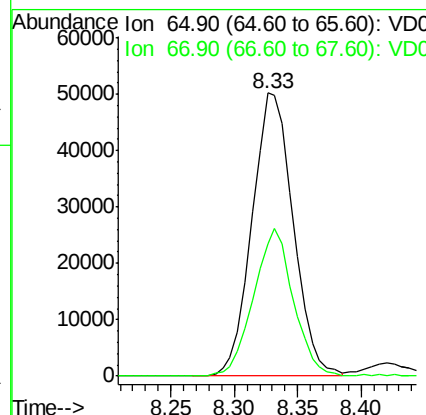
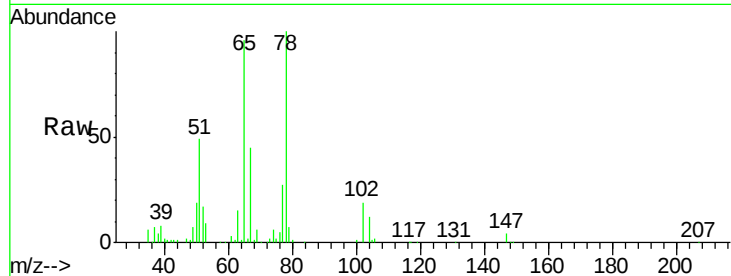
#33
 1,2-Dichloroethane-d4
 Concen: 53.622 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.1	0.0	105.0	

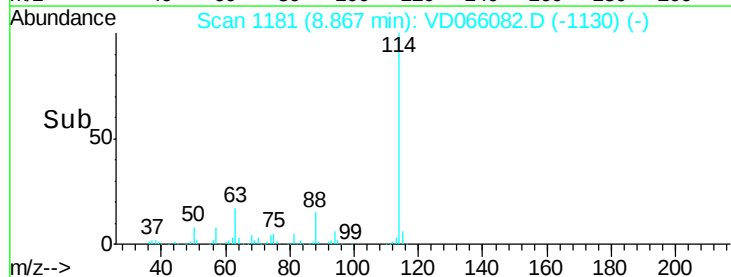
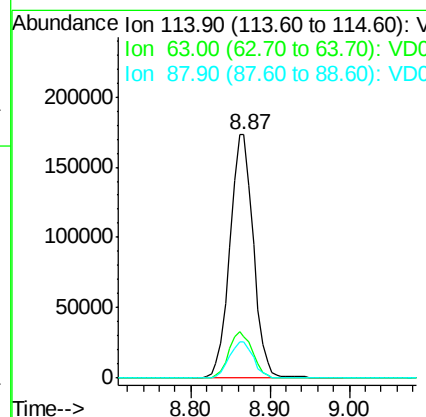
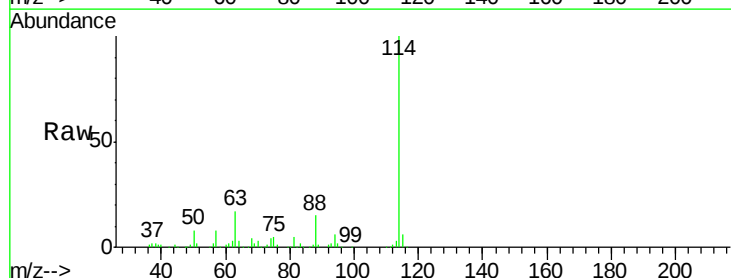
Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:19:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.9	0.0	39.6	
88	15.0	0.0	31.2	





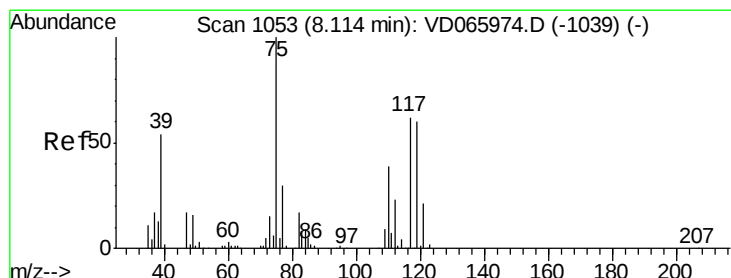
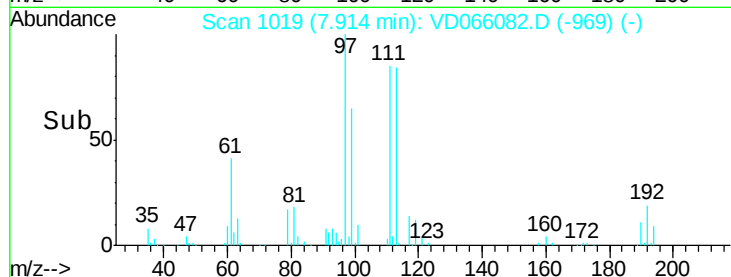
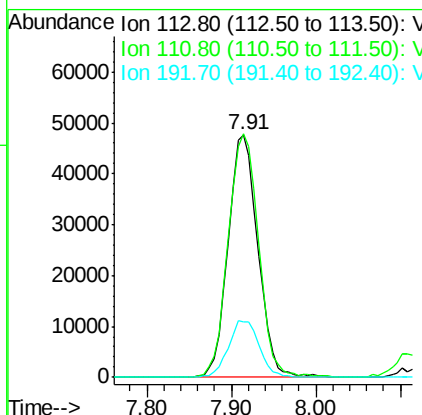
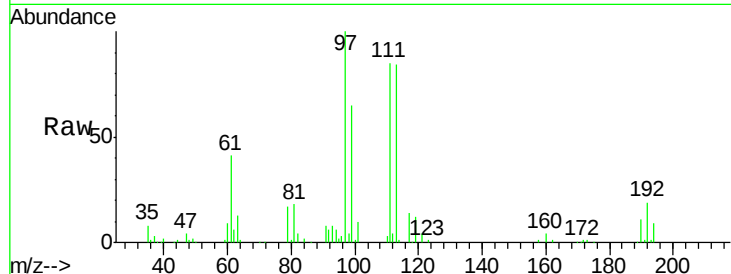
#35
 Dibromofluoromethane
 Concen: 53.753 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.2	124.8
192	24.1	18.7	28.1

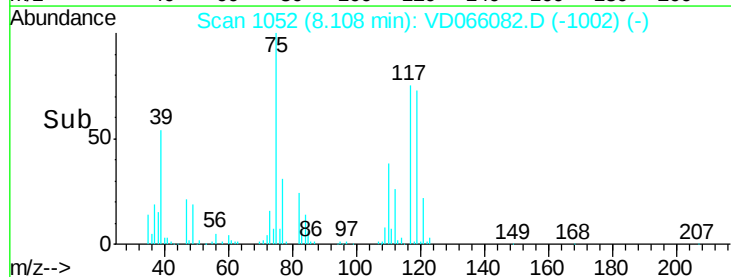
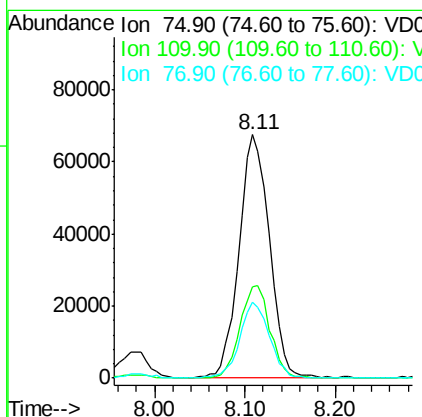
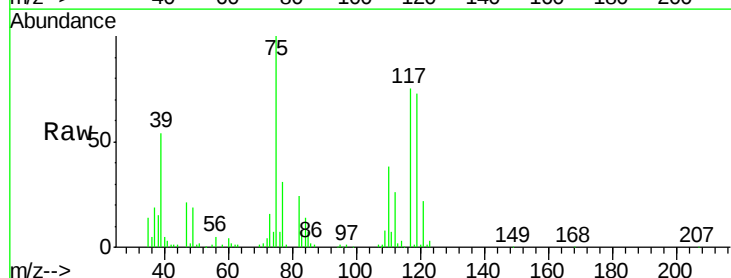
Manual Integrations
 APPROVED

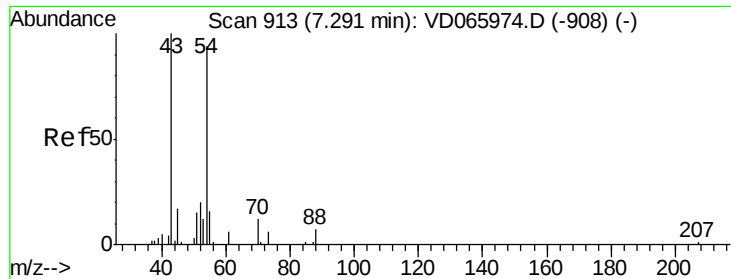
MMDadoda
 7/30/2020 6:19:37 PM



#36
 1,1-Dichloropropene
 Concen: 52.214 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	19.5	58.5
77	30.6	24.7	37.1





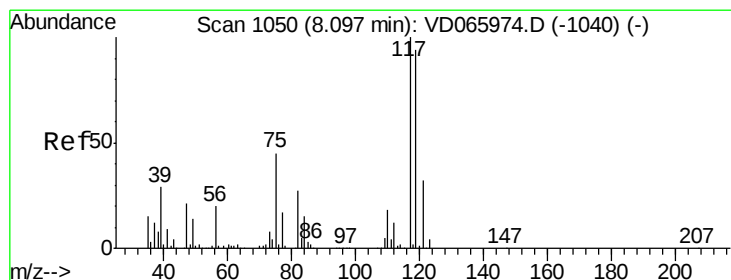
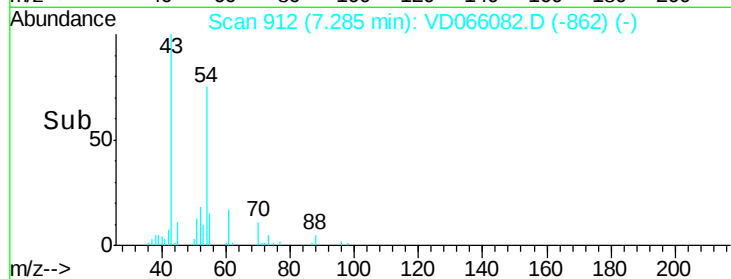
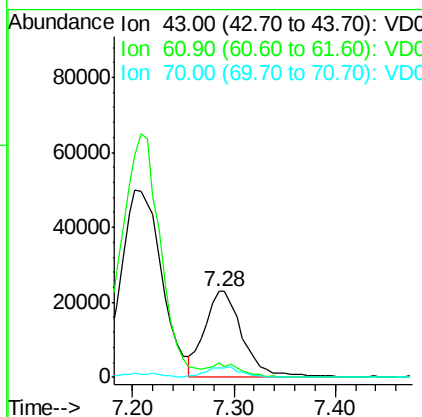
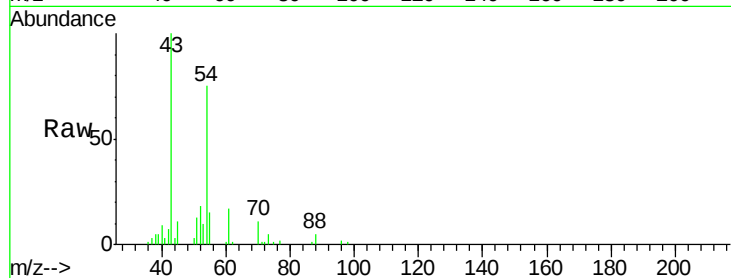
#37
Ethyl Acetate
Concen: 51.446 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.0
70	11.3	9.3	13.9

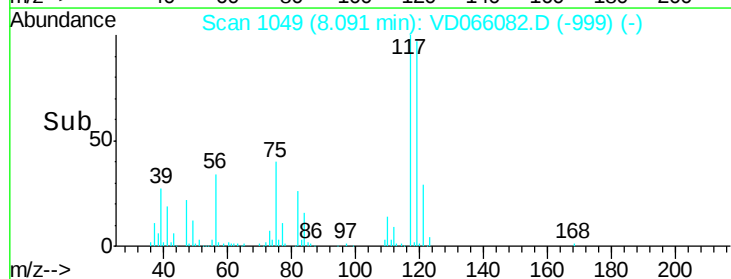
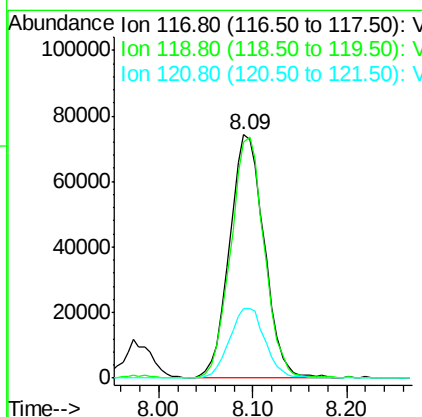
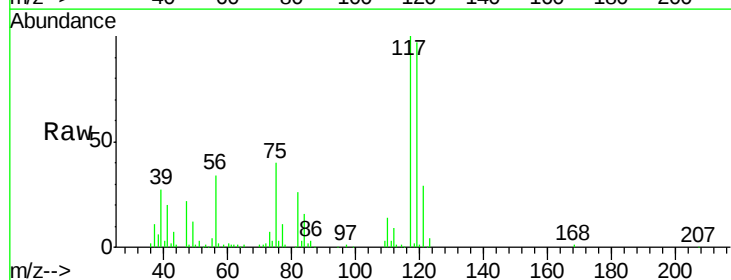
Manual Integrations
APPROVED

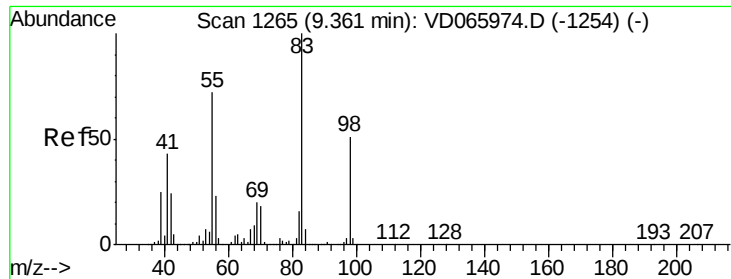
MMDadoda
7/30/2020 6:19:37 PM



#38
Carbon Tetrachloride
Concen: 58.031 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.0	112.6
121	28.7	25.5	38.3





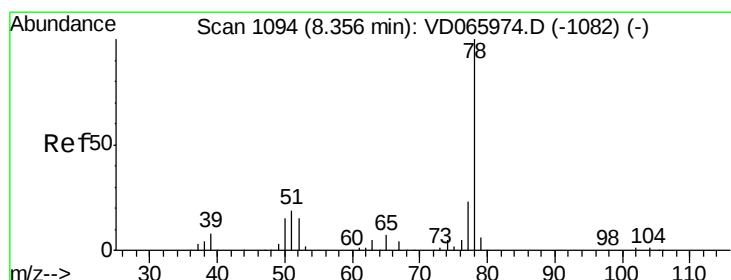
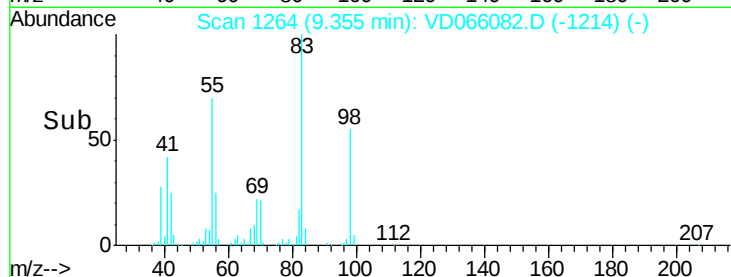
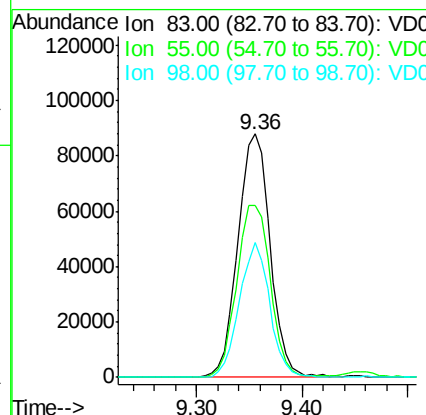
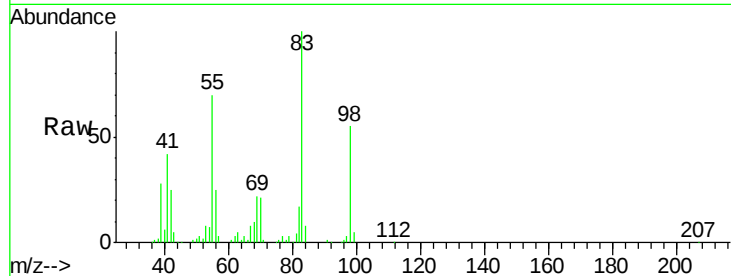
#39
Methvlcvclohexane
Concen: 50.799 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	186072
Ion	Ratio	Lower	Upper
83	100		
55	70.4	57.3	85.9
98	55.4	41.0	61.6

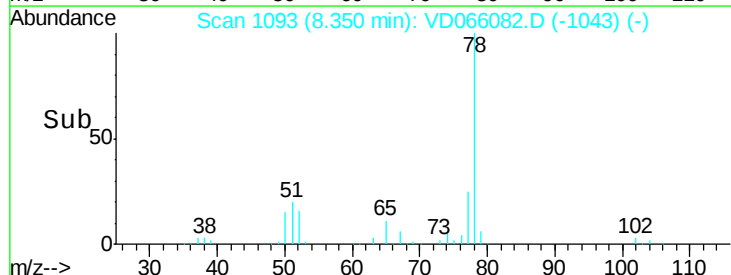
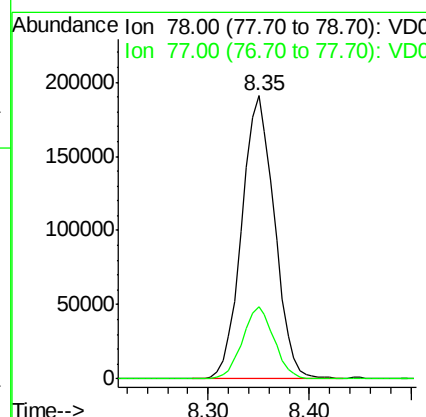
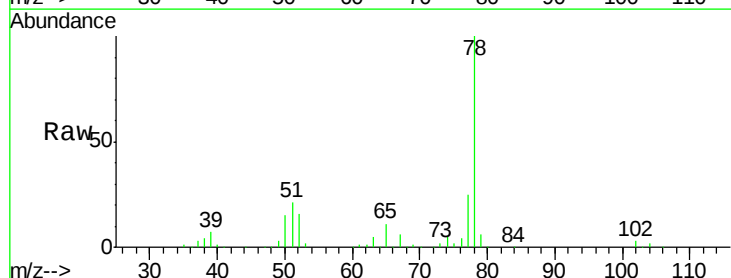
Manual Integrations
APPROVED

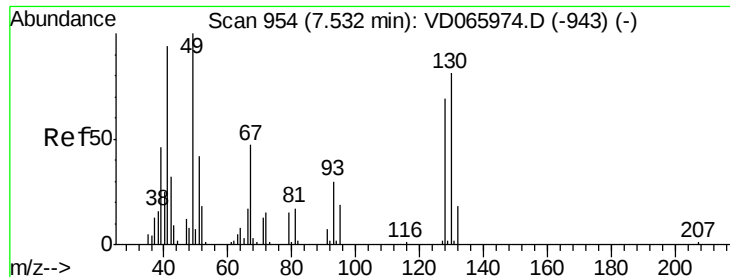
MMDadoda
7/30/2020 6:19:37 PM



#40
Benzene
Concen: 50.718 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	78	Resp	429178
Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.6	27.8





#41

Methacrylonitrile

Concen: 58.230 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 38532

Ion Ratio Lower Upper

41 100

39 47.9 0.0 0.0#

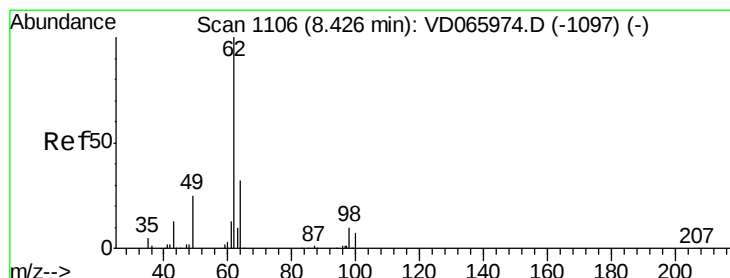
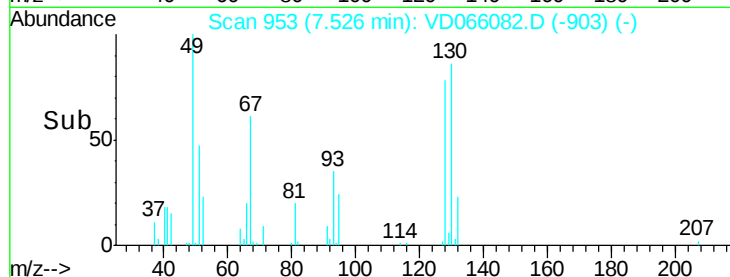
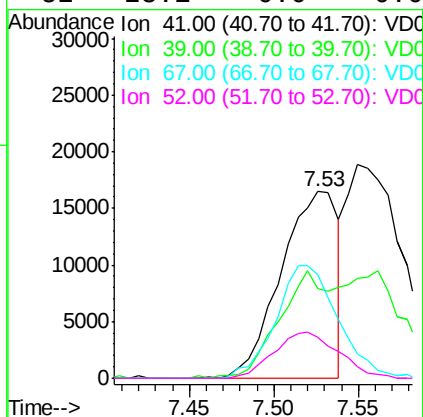
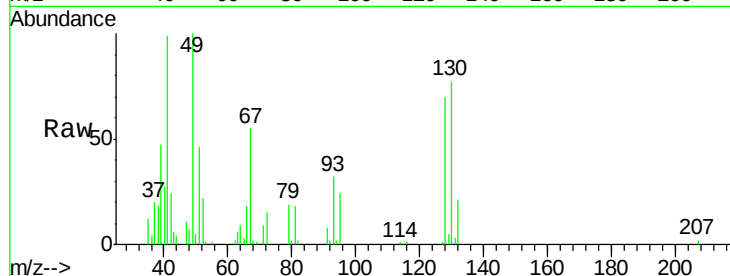
67 66.0 0.0 0.0#

52 28.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:19:37 PM



#42

1,2-Dichloroethane

Concen: 56.025 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD066082.D

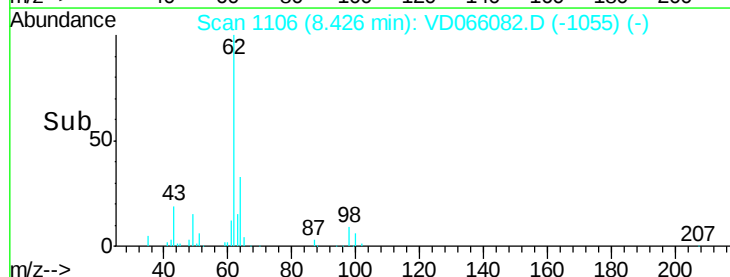
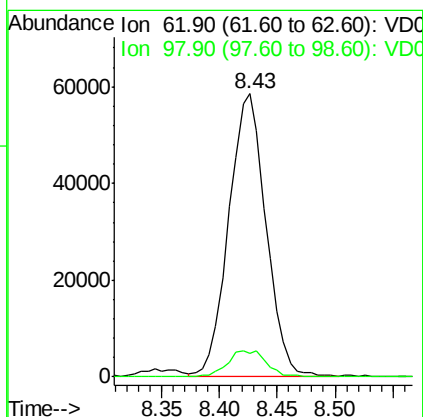
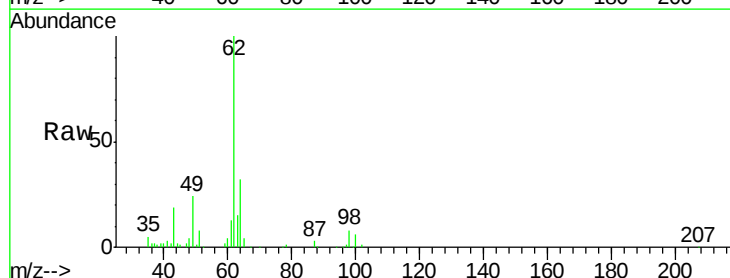
Acq: 29 Jul 2020 09:50

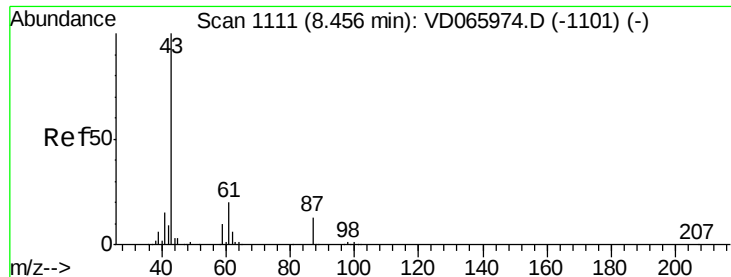
Tgt Ion: 62 Resp: 129910

Ion Ratio Lower Upper

62 100

98 9.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 50.020 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

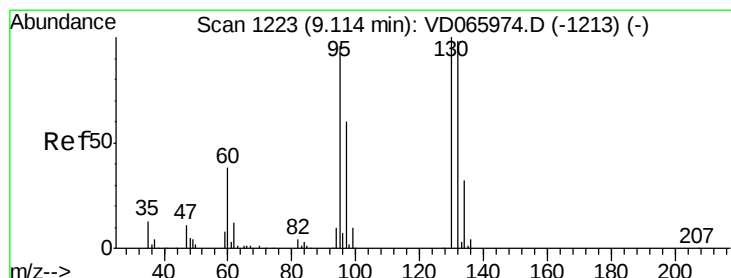
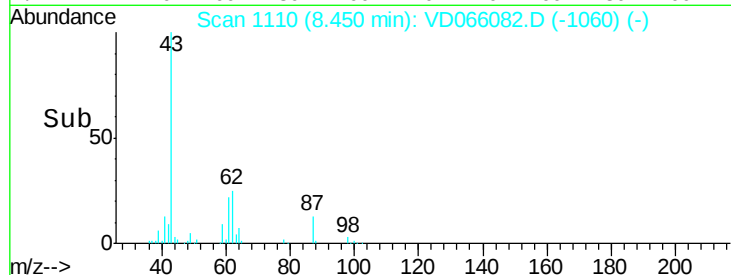
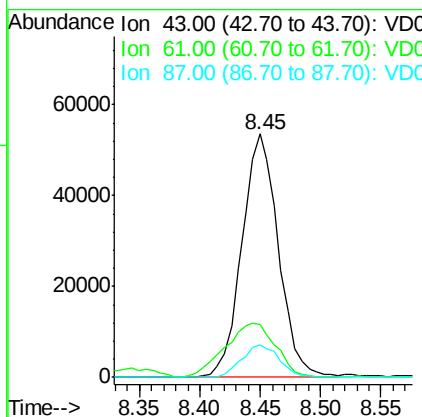
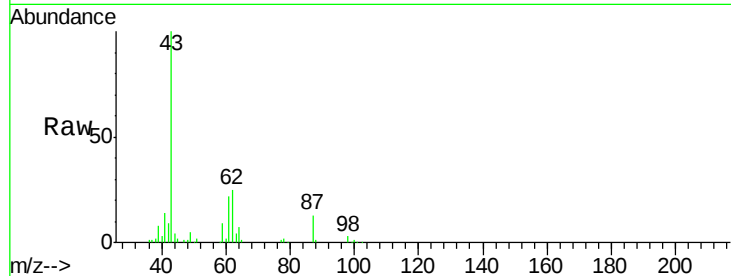
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	112851
Ion Ratio		Lower	Upper
43	100		
61	31.0	25.8	38.8
87	13.7	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#44

Trichloroethene

Concen: 52.640 ug/l

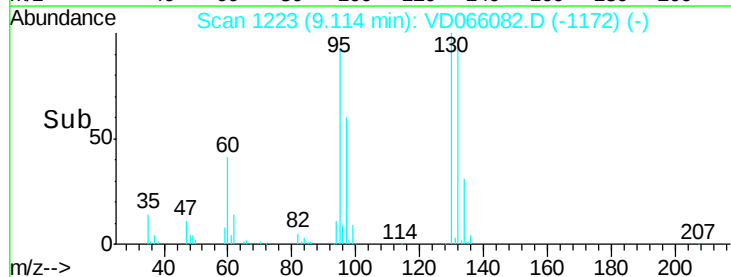
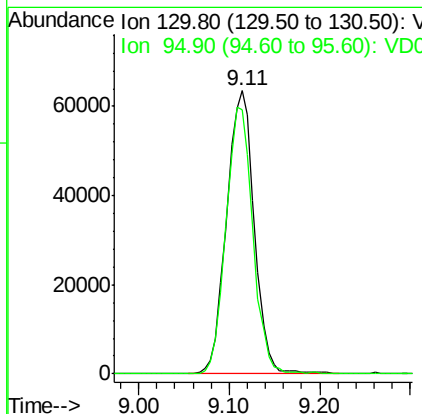
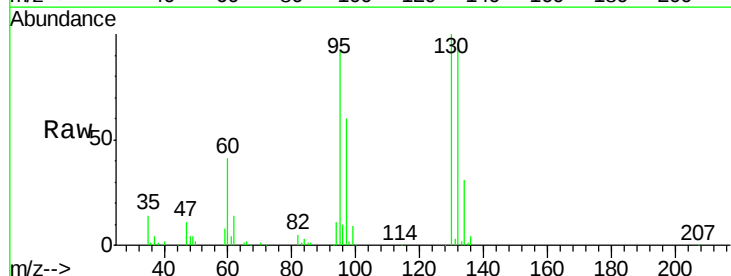
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	130	Resp:	134796
Ion Ratio		Lower	Upper
130	100		
95	93.4	0.0	191.6





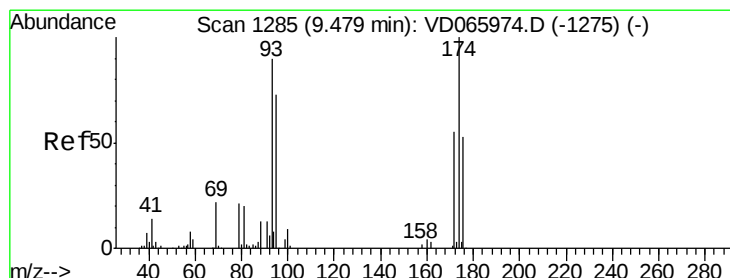
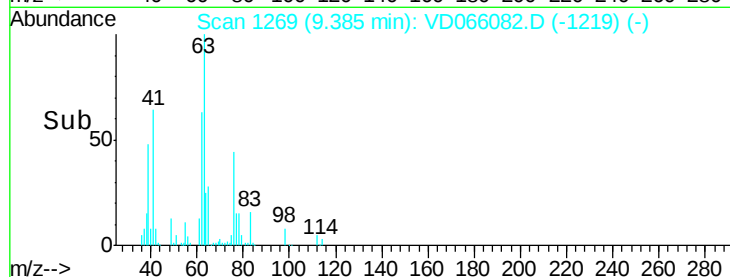
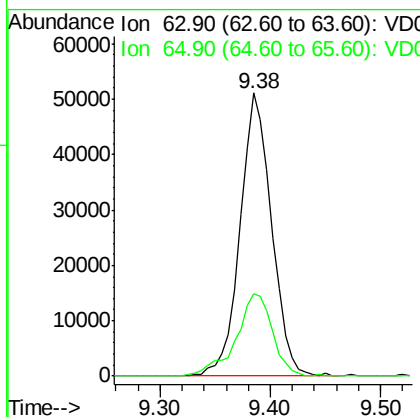
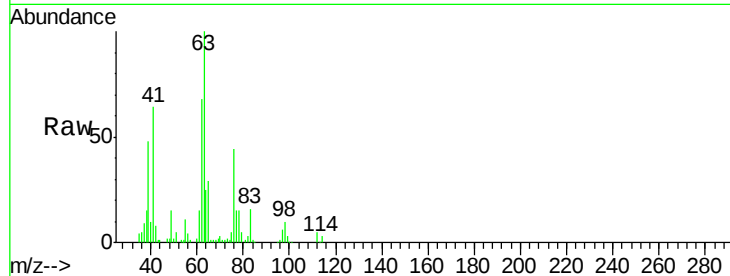
#45
 1,2-Dichloropropane
 Concen: 50.022 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.0	36.0

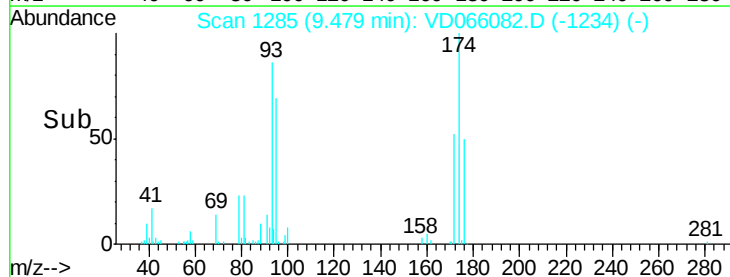
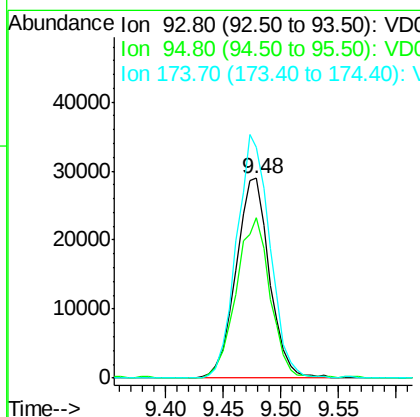
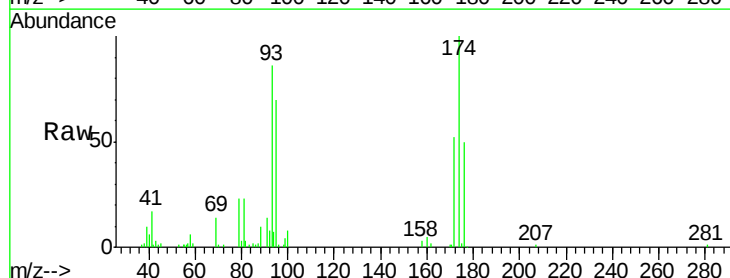
Manual Integrations
 APPROVED

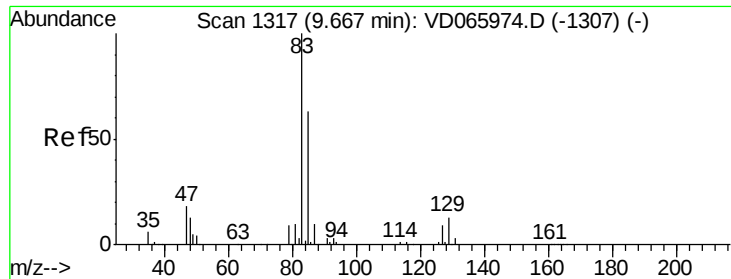
MMDadoda
 7/30/2020 6:19:37 PM



#46
 Dibromomethane
 Concen: 52.767 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.2	99.4
174	121.2	91.5	137.3





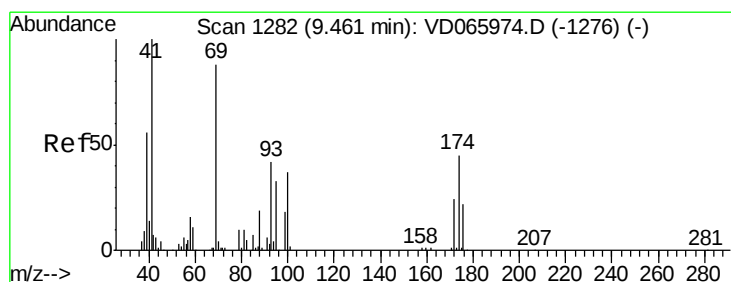
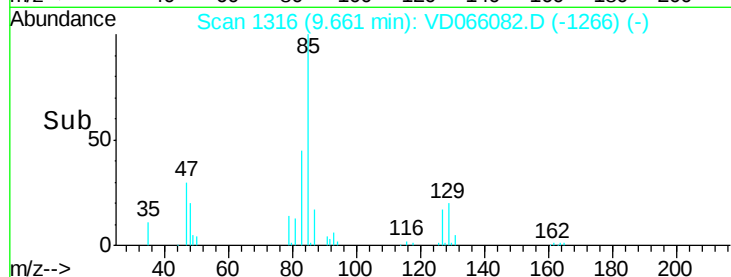
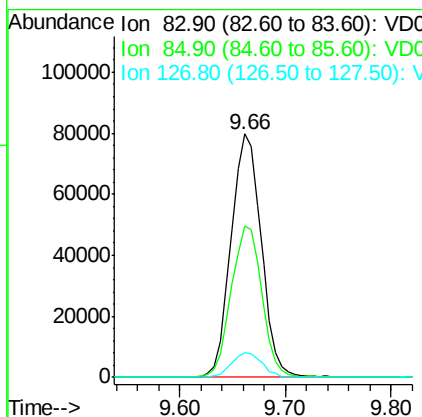
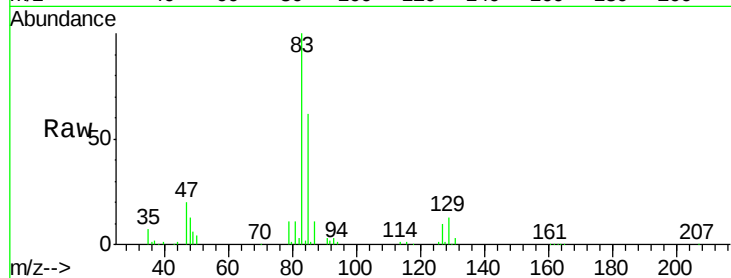
#47
Bromodichloromethane
Concen: 54.006 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	157544
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	50.6	75.8
127	10.3	7.1	10.7

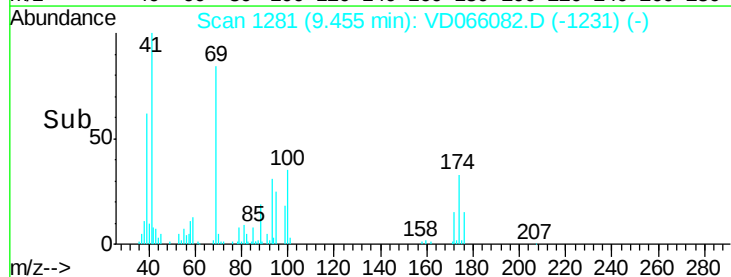
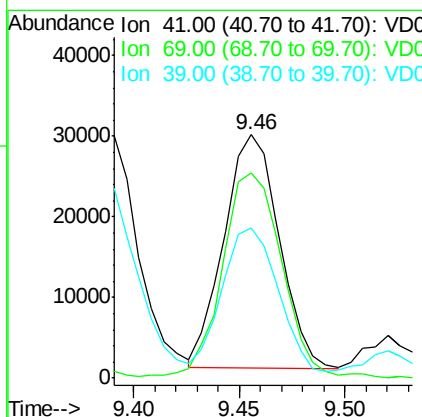
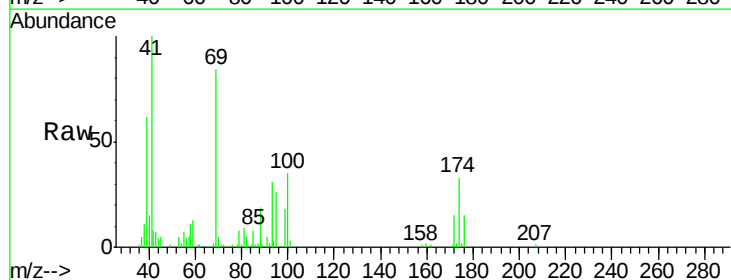
Manual Integrations
APPROVED

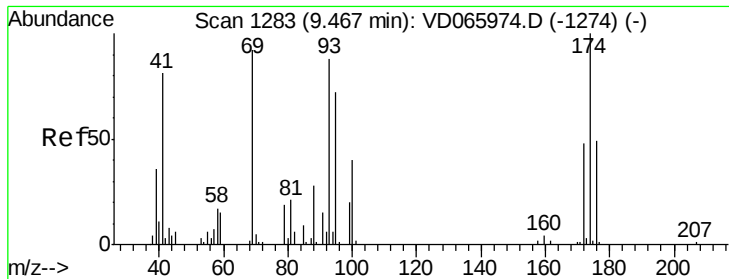
MMDadoda
7/30/2020 6:19:37 PM



#48
Methyl methacrylate
Concen: 46.079 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	41	Resp	52440
Ion Ratio	100	Lower	Upper
41	100		
69	95.5	65.1	97.7
39	62.2	41.5	62.3





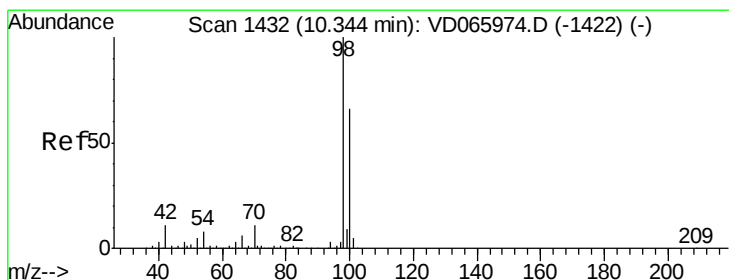
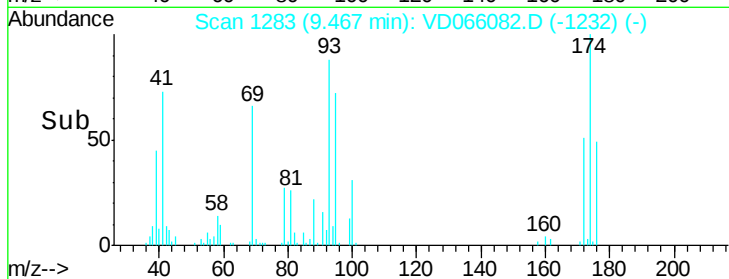
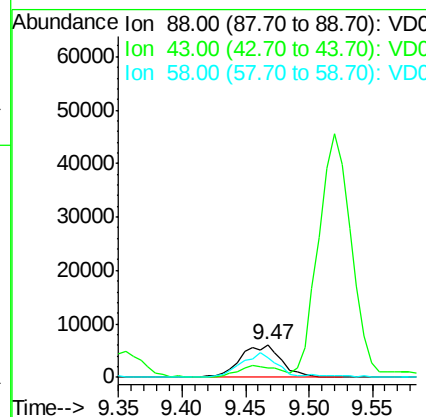
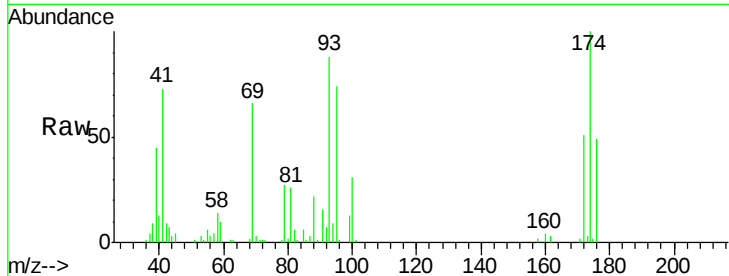
#49
1,4-Dioxane
Concen: 1054.060 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	13473
Ion Ratio	Lower	Upper	
88	100		
43	36.0	29.0	43.6
58	70.5	57.0	85.4

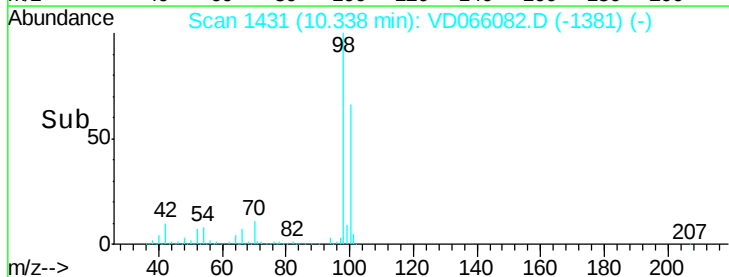
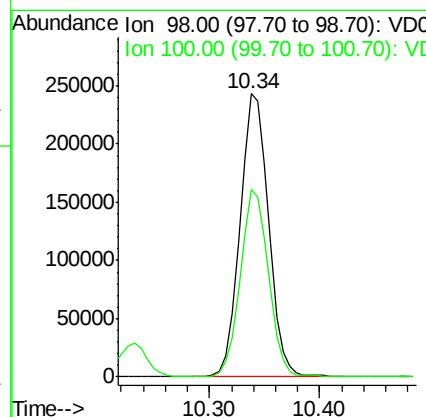
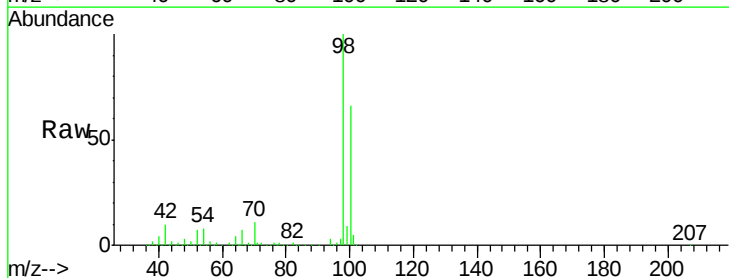
Manual Integrations
APPROVED

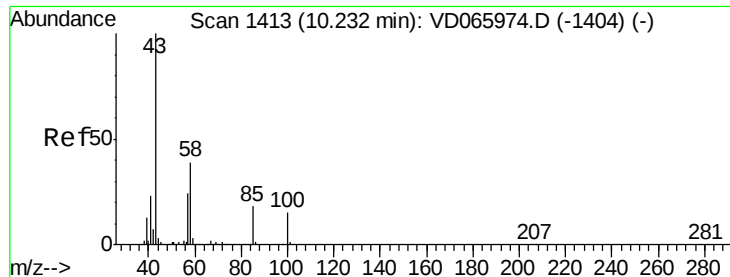
MMDadoda
7/30/2020 6:19:37 PM



#50
Toluene-d8
Concen: 55.252 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	98	Resp	442443
Ion Ratio	Lower	Upper	
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 257.578 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 292805

Ion Ratio Lower Upper

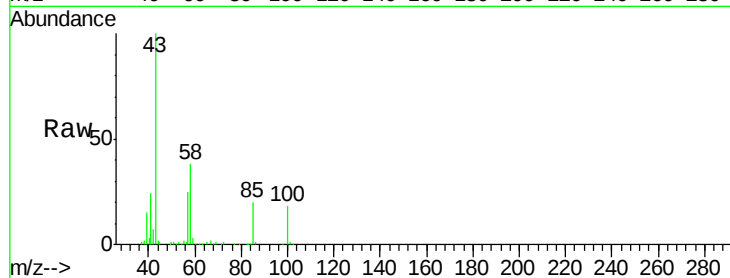
43 100

58 39.5 31.3 46.9

Manual Integrations
APPROVED

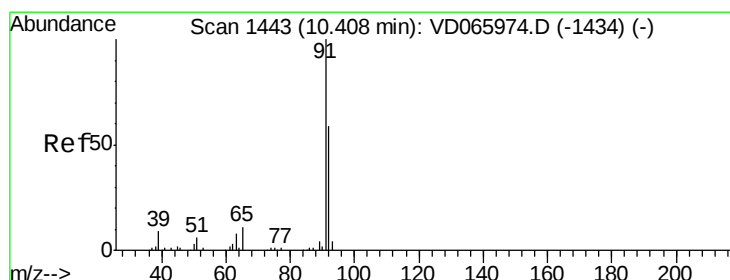
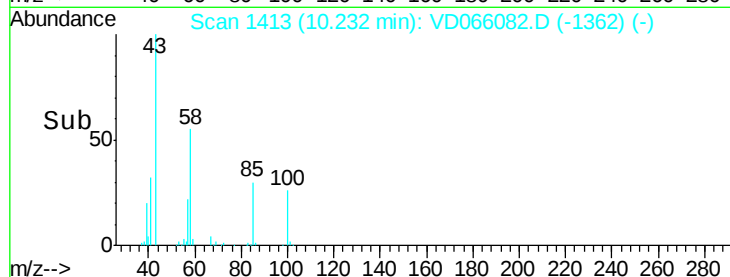
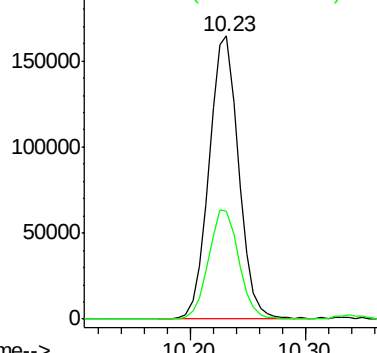
MMDadoda

7/30/2020 6:19:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.055 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD066082.D

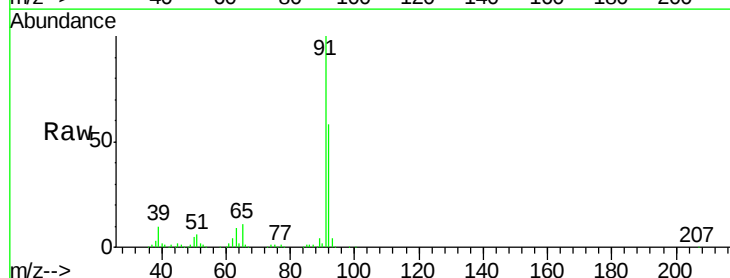
Acq: 29 Jul 2020 09:50

Tgt Ion: 92 Resp: 292779

Ion Ratio Lower Upper

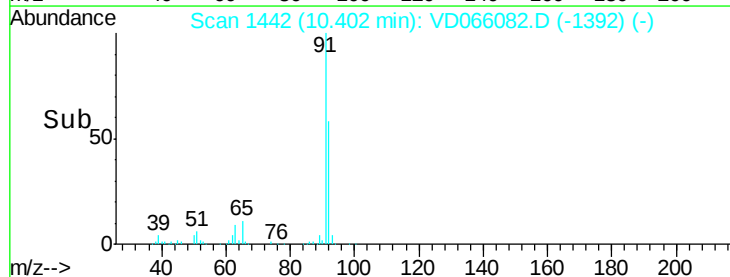
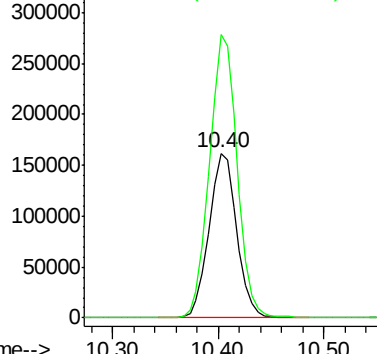
92 100

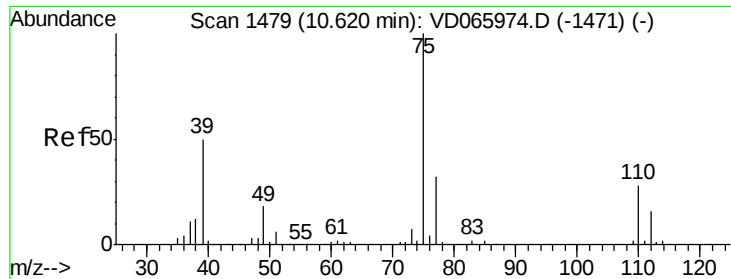
91 172.5 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





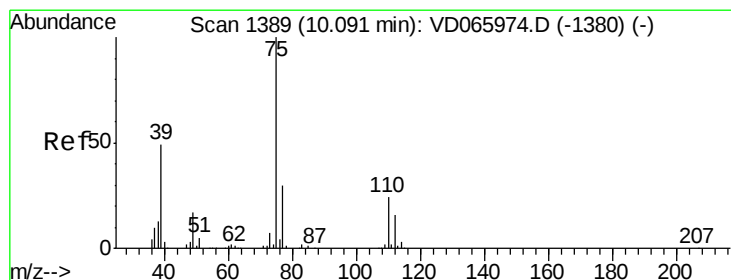
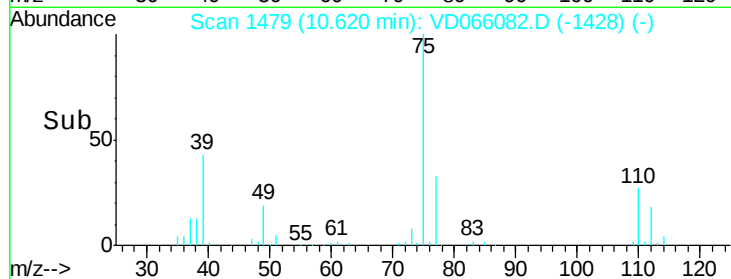
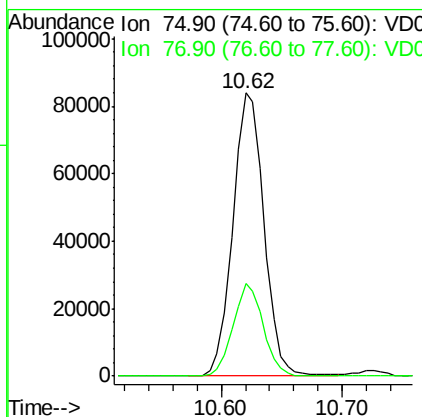
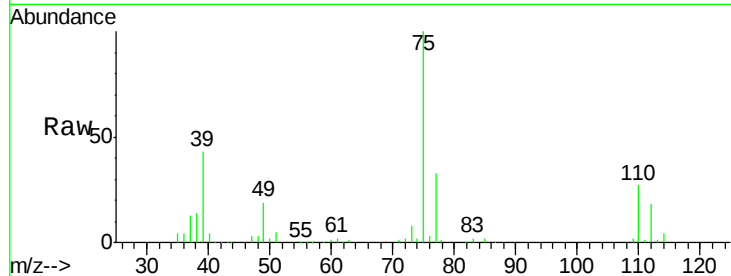
#53
t-1,3-Dichloropropene
Concen: 55.478 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 150777
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6

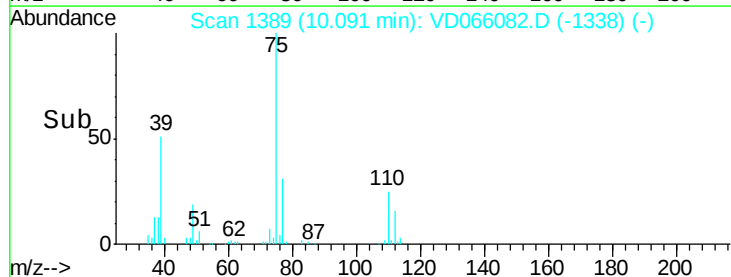
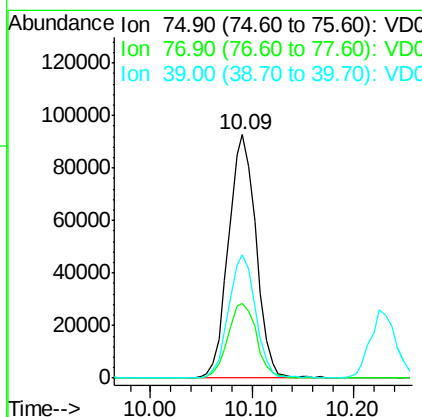
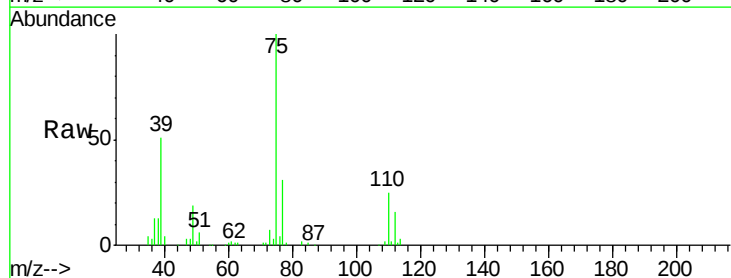
Manual Integrations
APPROVED

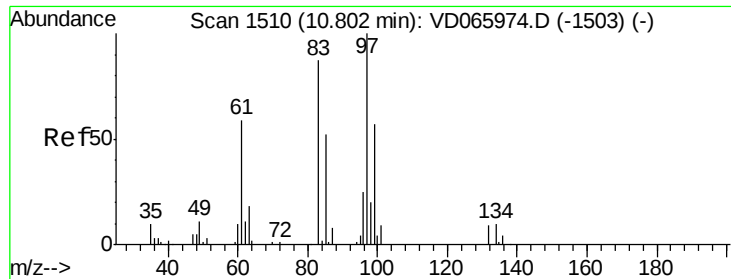
MMDadoda
7/30/2020 6:19:37 PM



#54
cis-1,3-Dichloropropene
Concen: 53.302 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion: 75 Resp: 175599
Ion Ratio Lower Upper
75 100
77 30.7 23.8 35.8
39 50.6 38.8 58.2





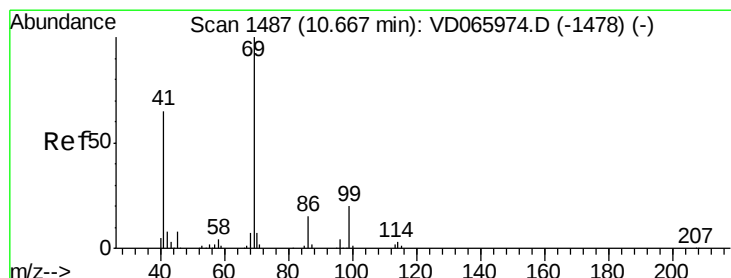
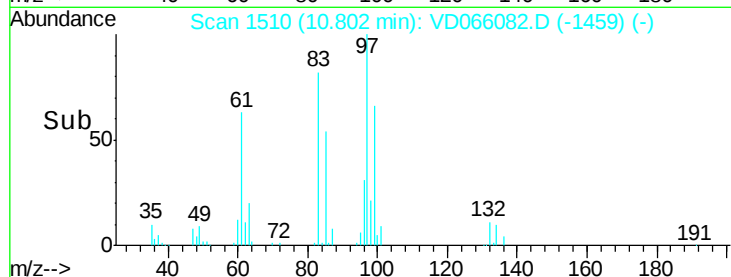
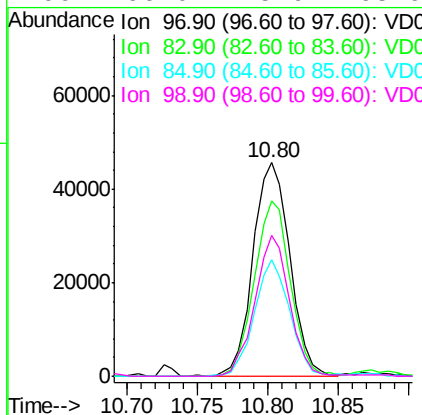
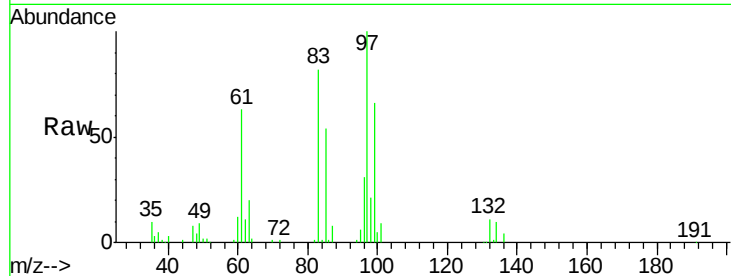
#55
 1,1,2-Trichloroethane
 Concen: 53.467 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	83661
Ion	Ratio	Lower	Upper
97	100		
83	82.0	69.7	104.5
85	54.5	41.6	62.4
99	66.0	45.9	68.9

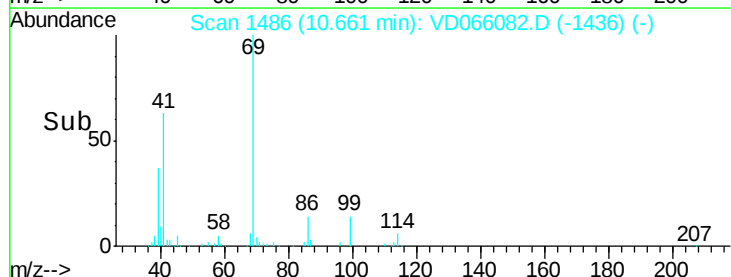
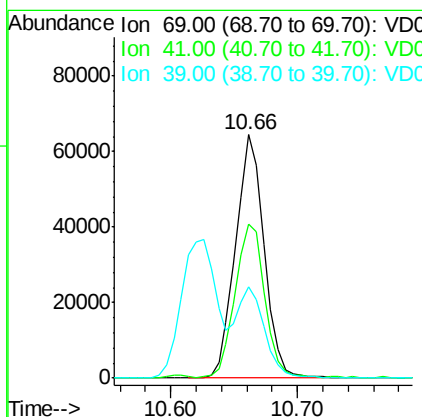
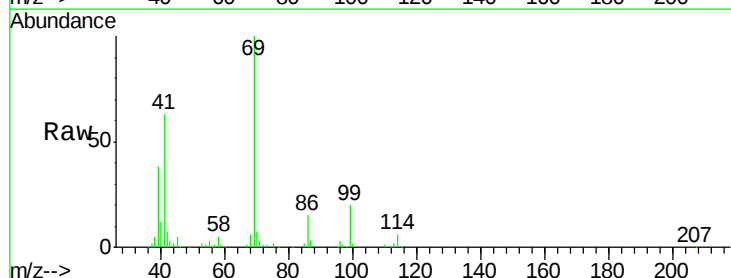
Manual Integrations
 APPROVED

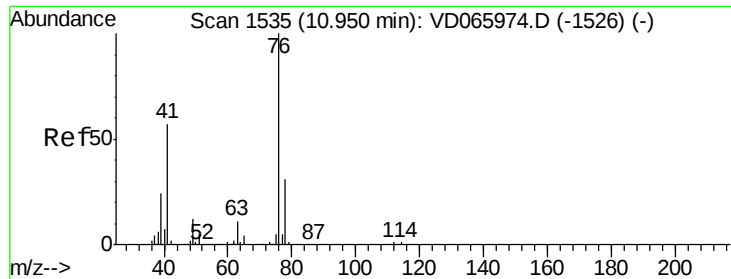
MMDadoda
 7/30/2020 6:19:37 PM



#56
 Ethyl methacrylate
 Concen: 55.397 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion:	69	Resp:	100780
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.3	78.5
39	37.9	25.2	37.8#





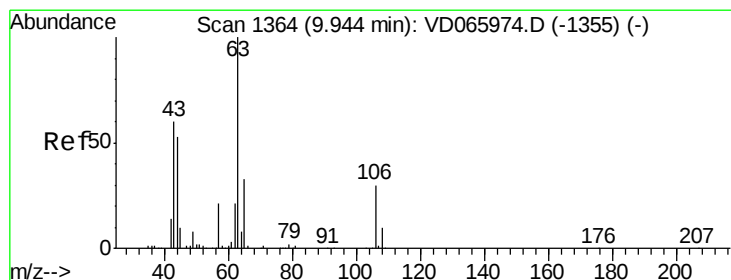
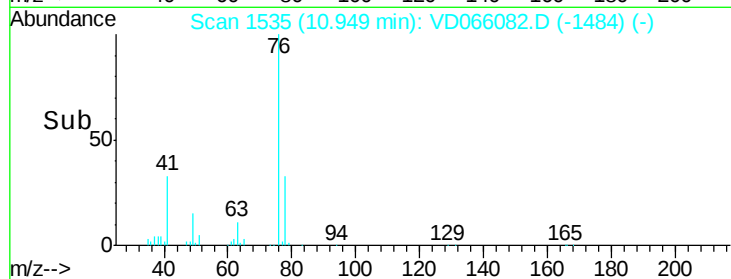
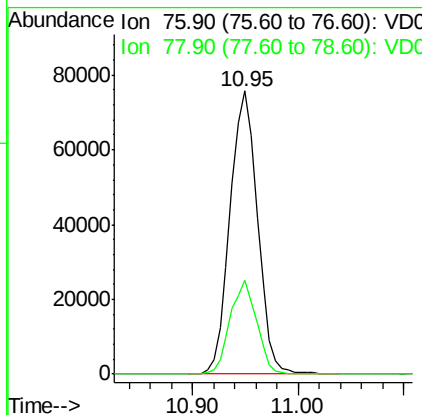
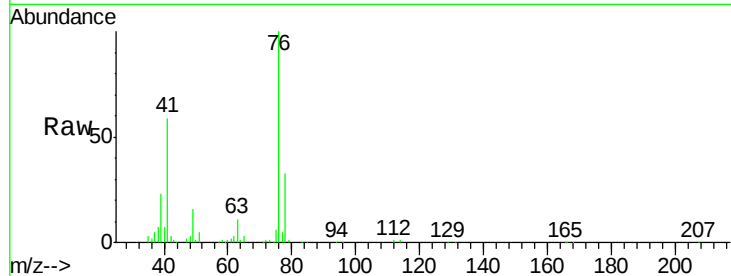
#57
 1,3-Dichloropropane
 Concen: 52.615 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

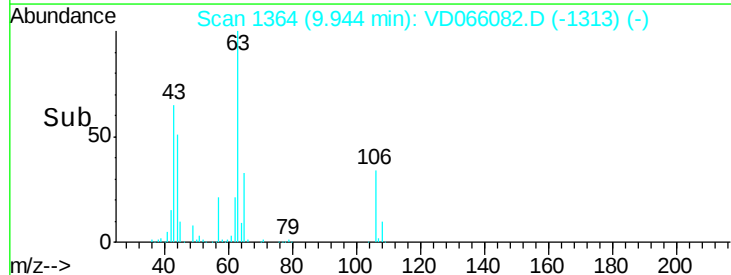
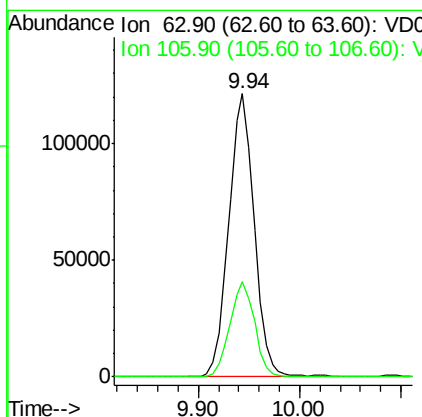
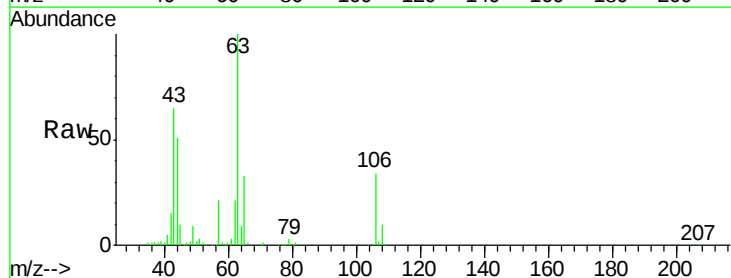
Manual Integrations
 APPROVED

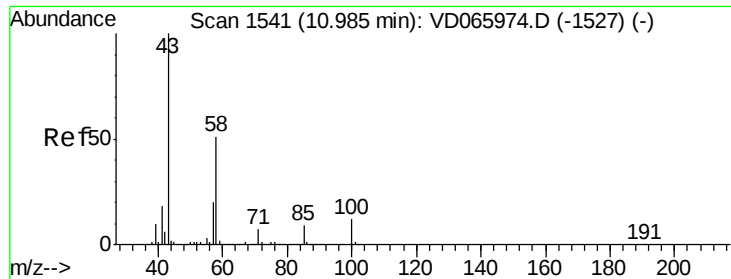
MMDadoda
 7/30/2020 6:19:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.228 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.7	24.4	36.6





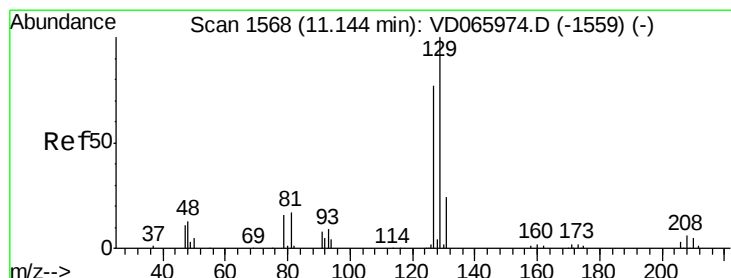
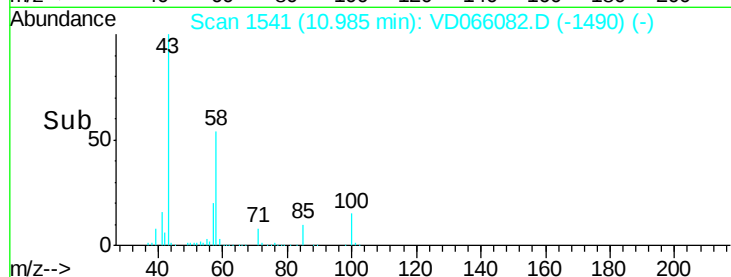
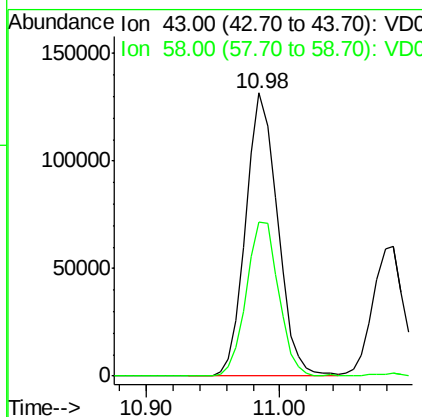
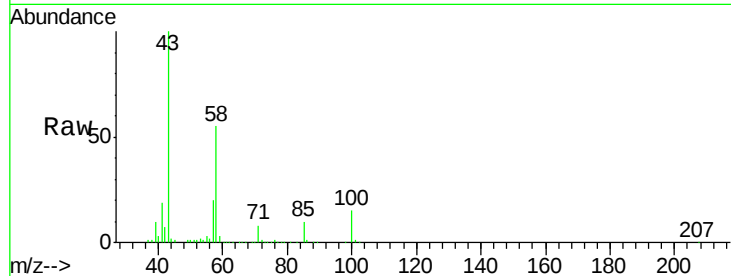
#59
2-Hexanone
Concen: 276.349 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 217697
Ion Ratio Lower Upper
43 100
58 55.3 26.2 78.6

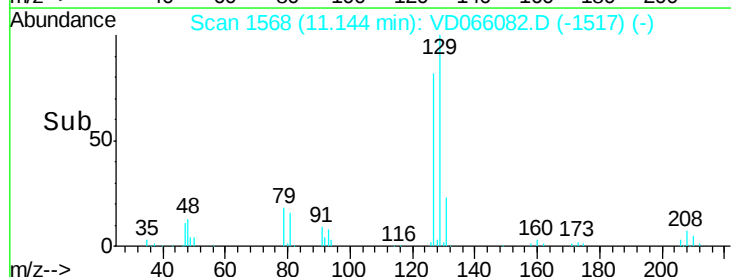
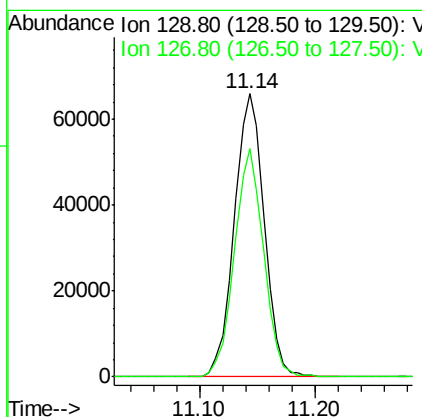
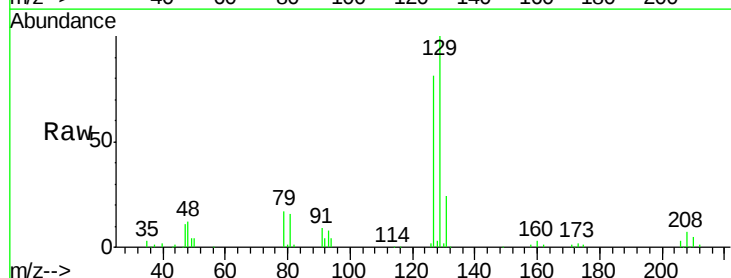
Manual Integrations
APPROVED

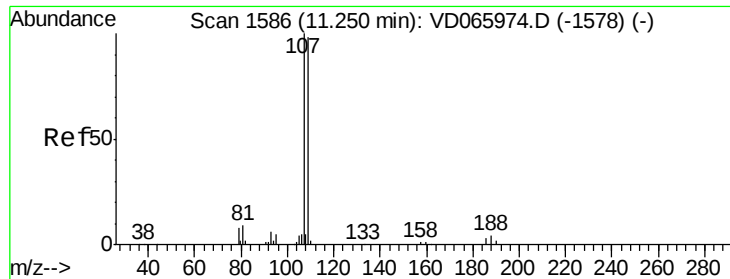
MMDadoda
7/30/2020 6:19:37 PM



#60
Dibromochloromethane
Concen: 56.100 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion:129 Resp: 118355
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.7





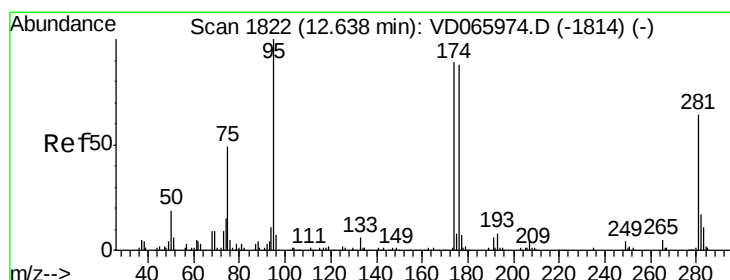
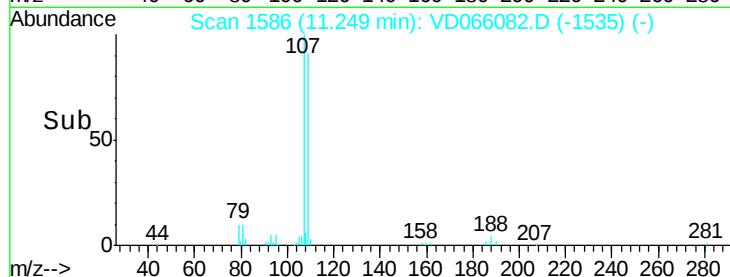
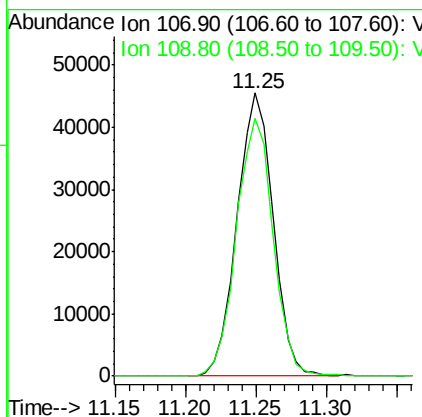
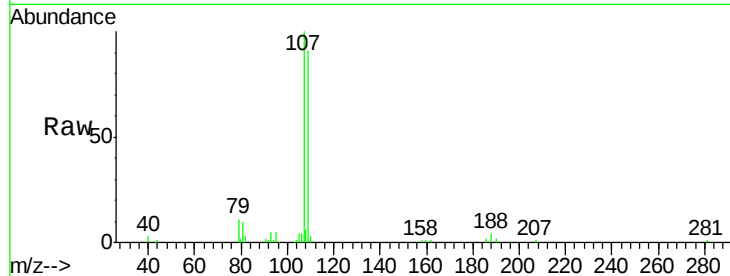
#61
 1,2-Dibromoethane
 Concen: 54.128 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.0	112.4

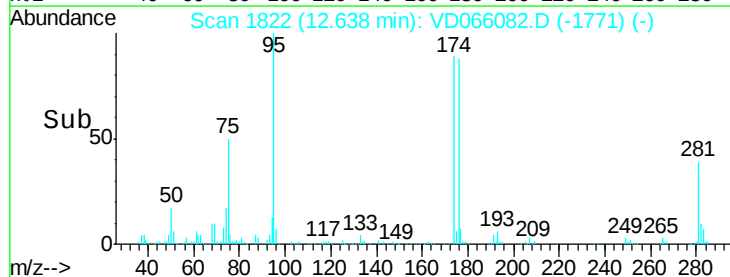
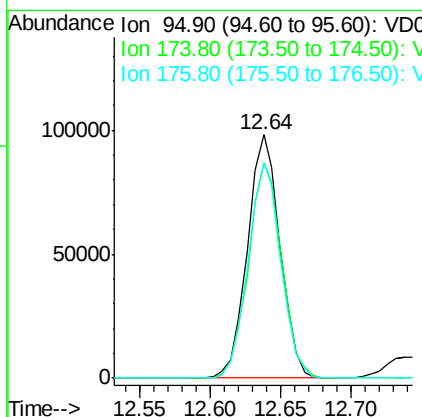
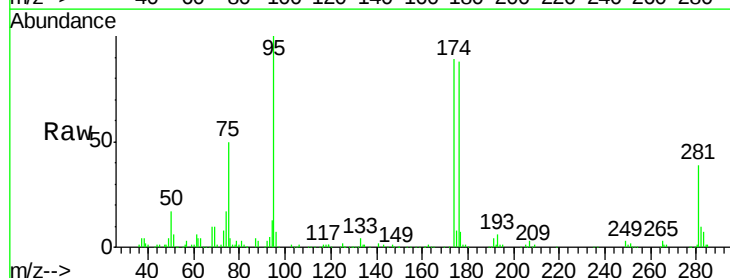
Manual Integrations
 APPROVED

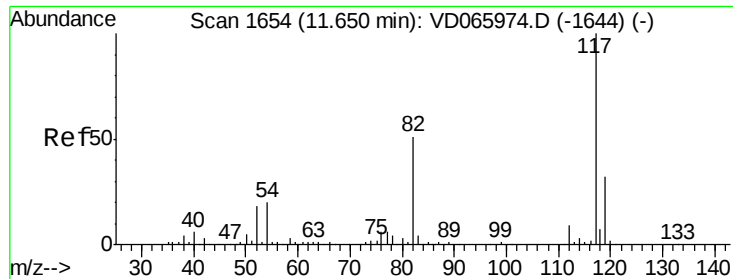
MMDadoda
 7/30/2020 6:19:37 PM



#62
 4-Bromofluorobenzene
 Concen: 57.035 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	178.8
176	89.3	0.0	172.6





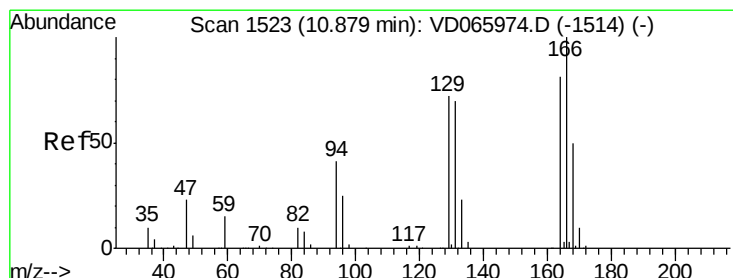
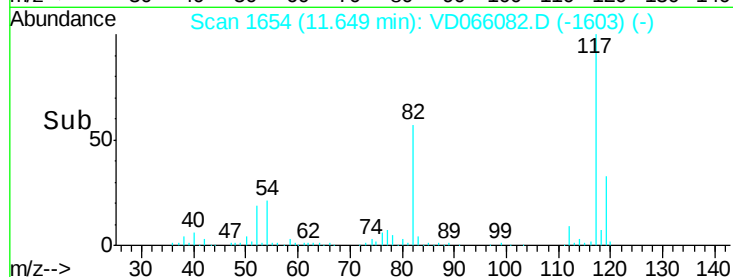
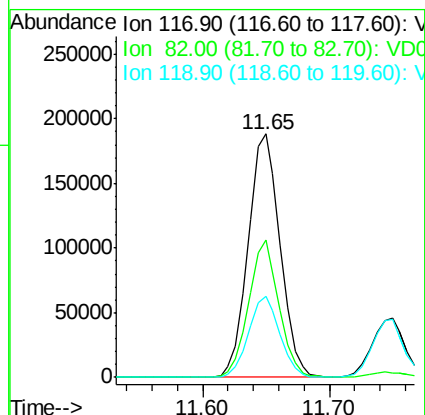
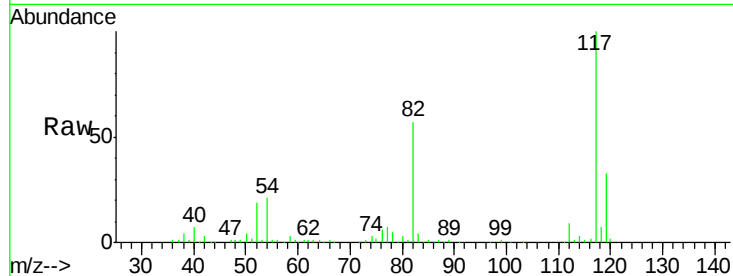
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	41.1	61.7
119	33.4	25.9	38.9

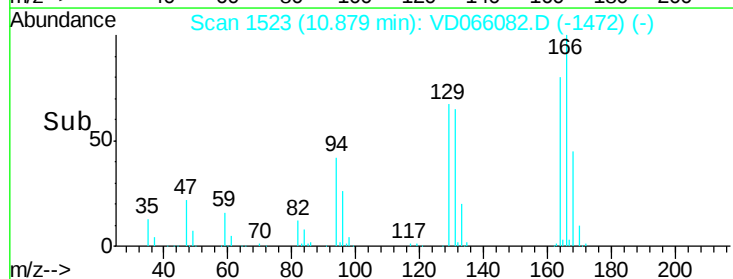
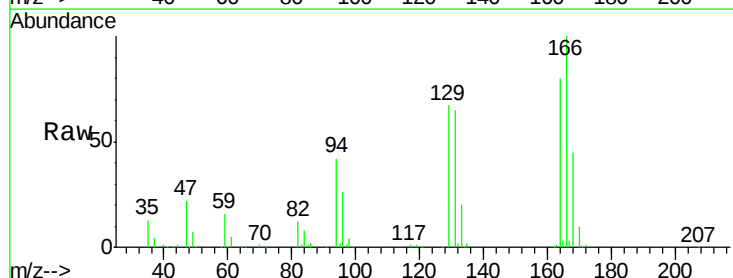
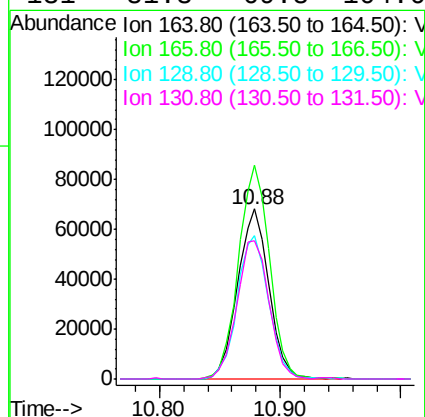
Manual Integrations
APPROVED

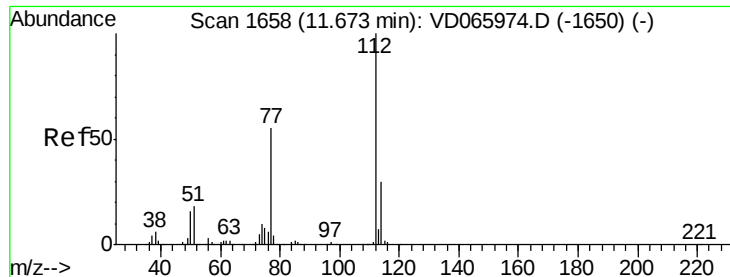
MMDadoda
7/30/2020 6:19:37 PM



#64
Tetrachloroethene
Concen: 54.889 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.1	148.7
129	84.6	71.5	107.3
131	81.3	69.8	104.6





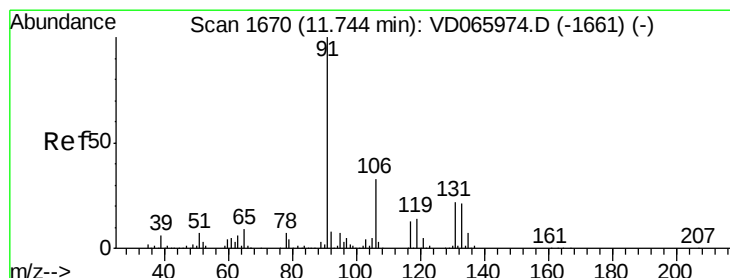
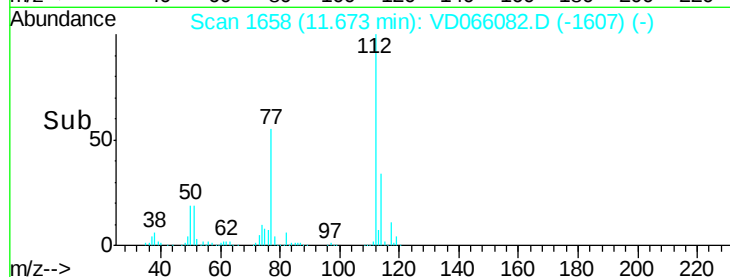
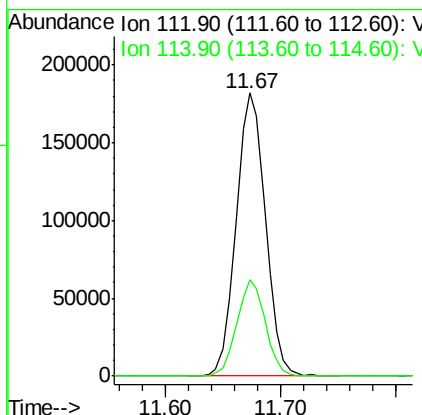
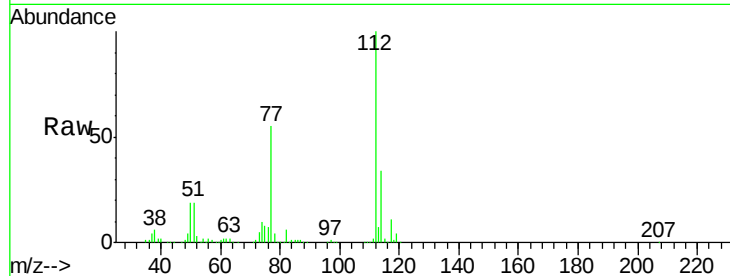
#65
Chlorobenzene
Concen: 52.611 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.3	24.4	36.6

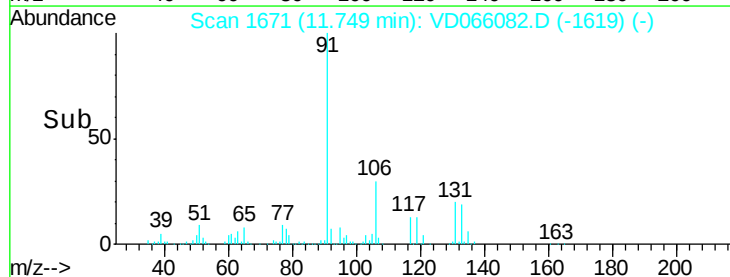
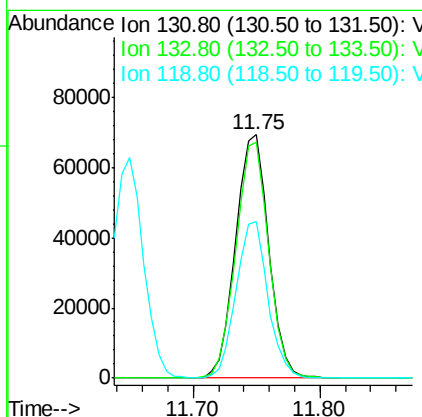
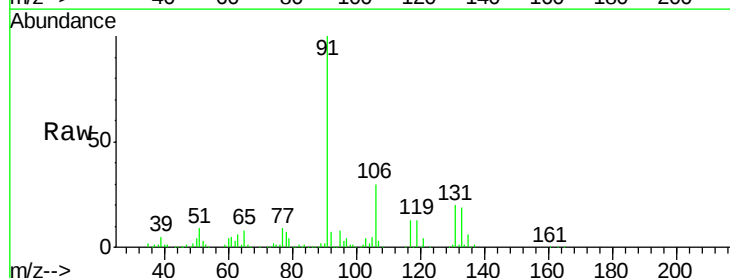
Manual Integrations
APPROVED

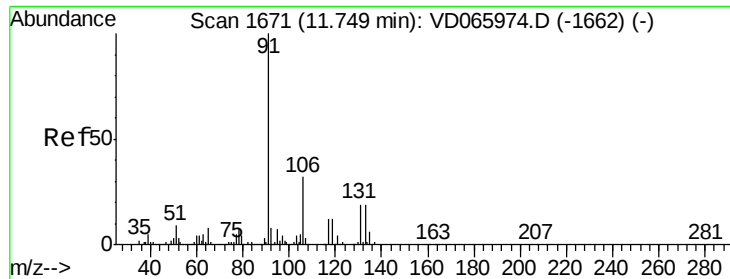
MMDadoda
7/30/2020 6:19:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.158 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	142.0
119	62.0	31.7	95.1





#67

Ethyl Benzene

Concen: 55.020 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 572590

Ion Ratio Lower Upper

91 100

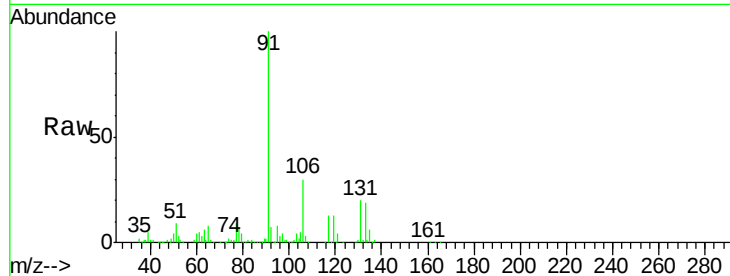
106 30.0 25.7 38.5

Manual Integrations

APPROVED

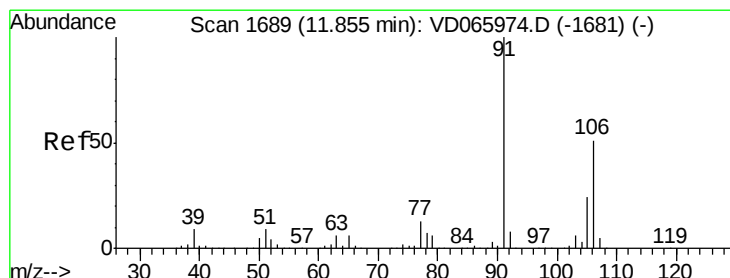
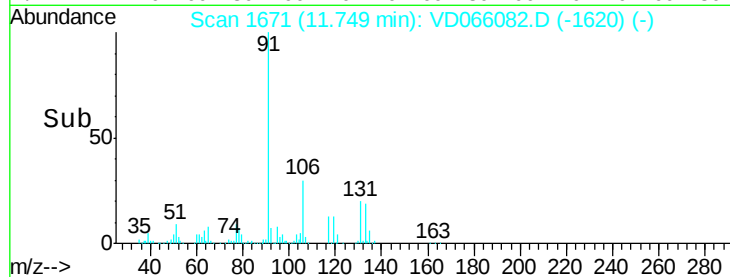
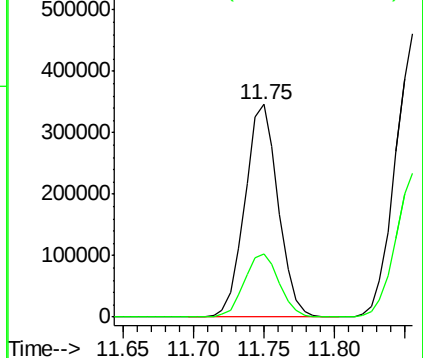
MMDadoda

7/30/2020 6:19:37 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.172 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066082.D

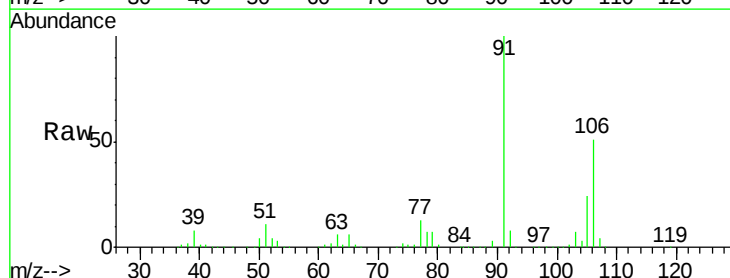
Acq: 29 Jul 2020 09:50

Tgt Ion: 106 Resp: 444687

Ion Ratio Lower Upper

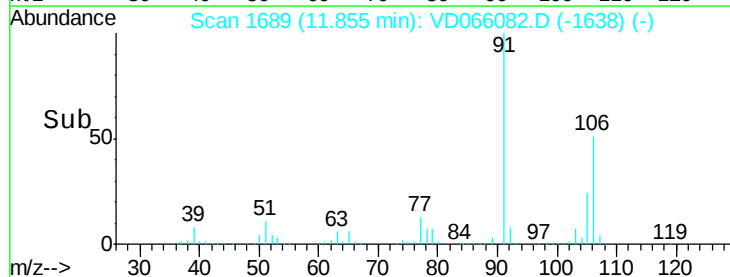
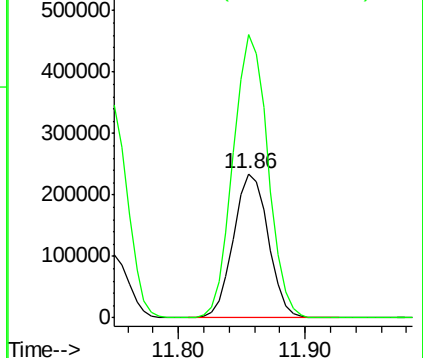
106 100

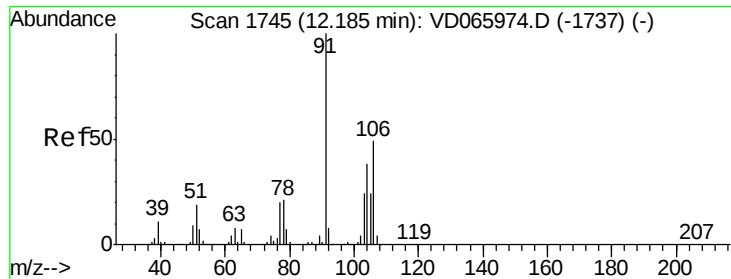
91 197.4 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





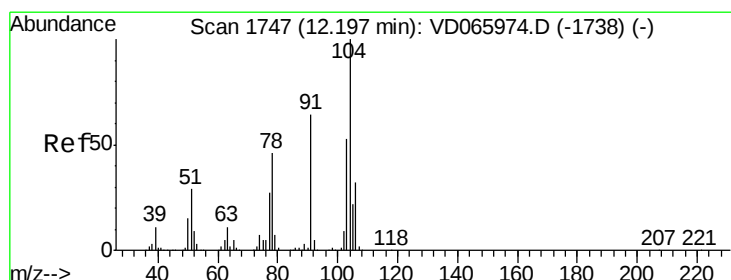
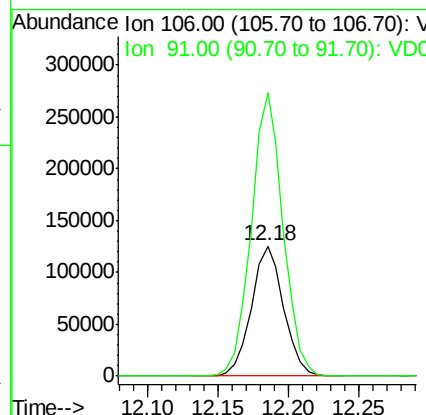
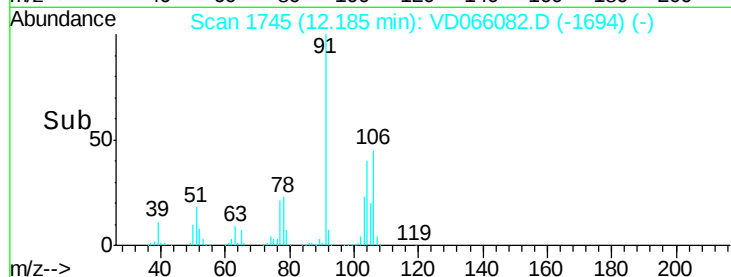
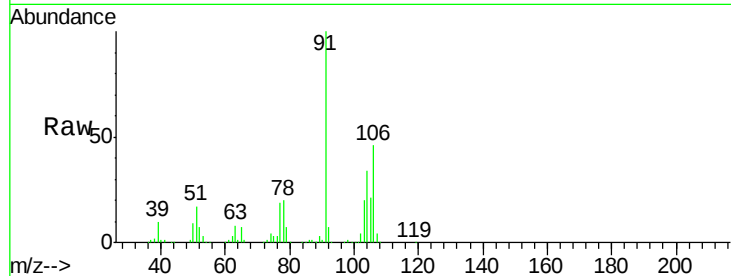
#69
o-Xylene
Concen: 55.277 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	201104		
91	213.8	103.1	309.3	

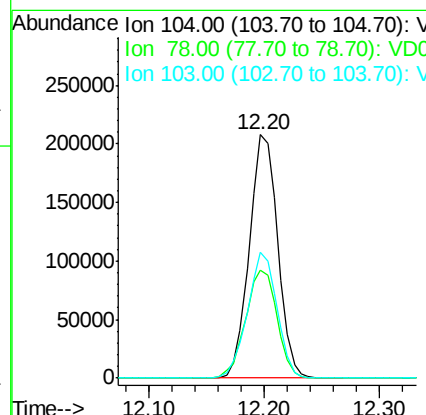
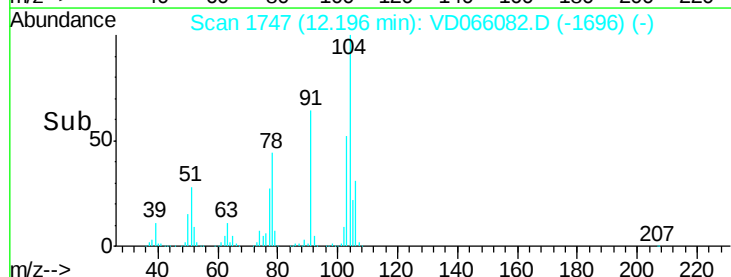
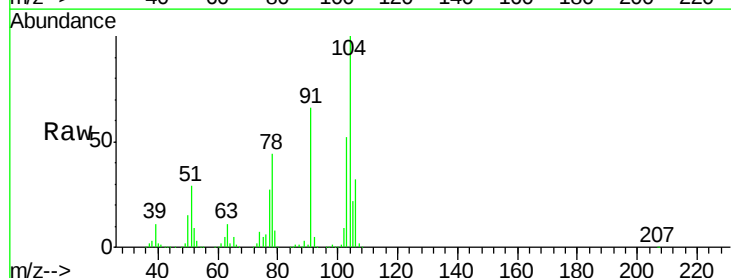
Manual Integrations
APPROVED

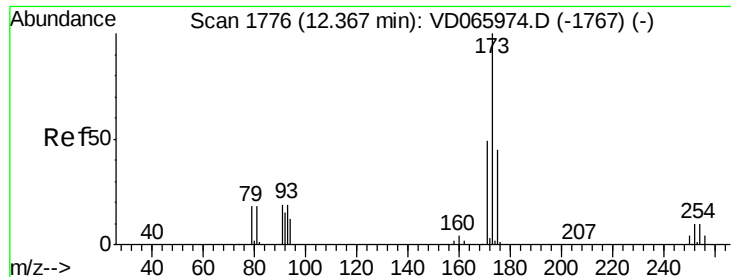
MMDadoda
7/30/2020 6:19:37 PM



#70
Styrene
Concen: 57.167 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	357348		
78	48.8	38.3	57.5	
103	53.5	43.8	65.8	





#71

Bromoform

Concen: 56.057 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

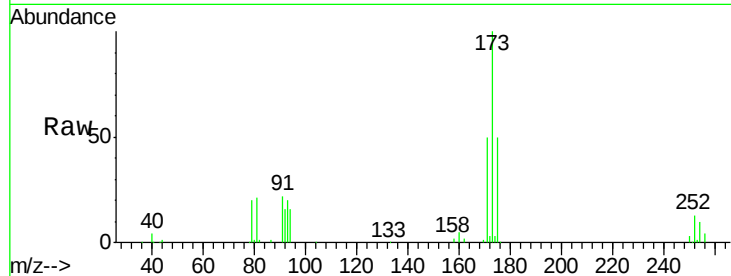
ClientSampleId :

VSTDCCC050

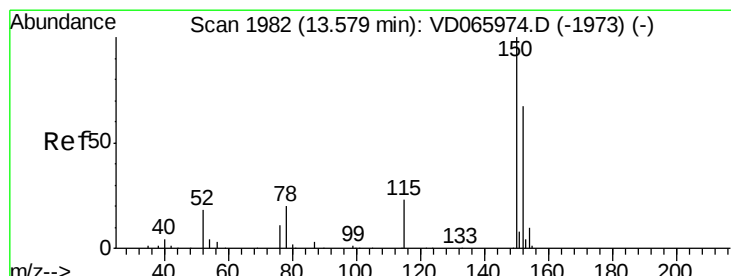
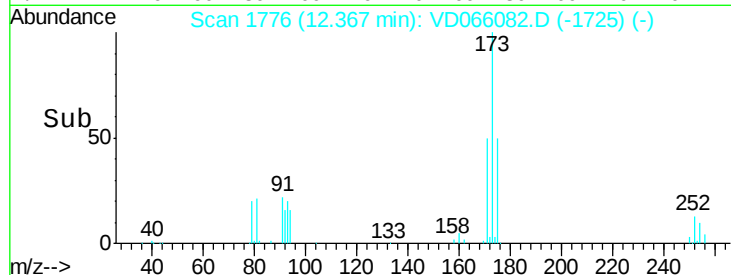
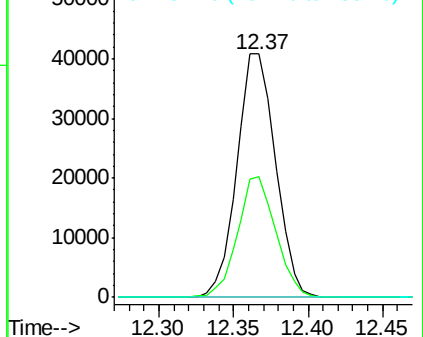
Tot Ion:173	Resp:	73320
Ion Ratio	Lower	Upper
173 100		
175 48.9	24.1	72.3
254 0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

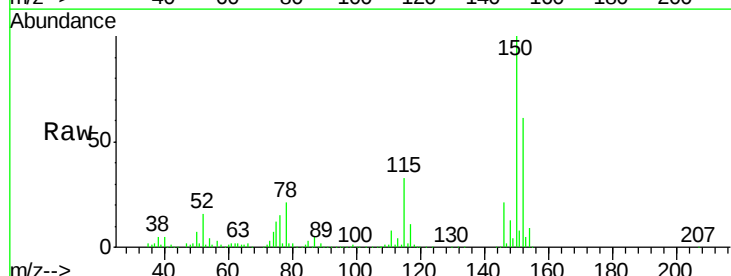
RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

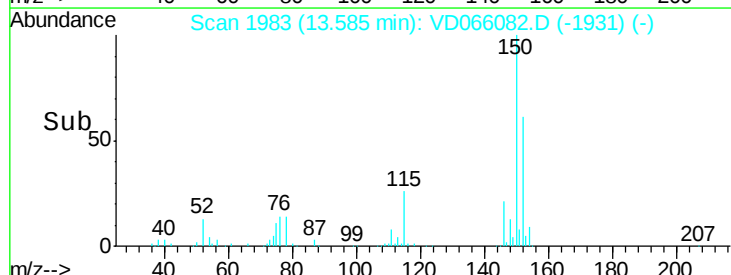
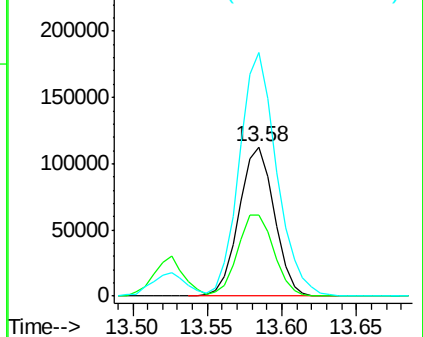
Lab File: VD066082.D

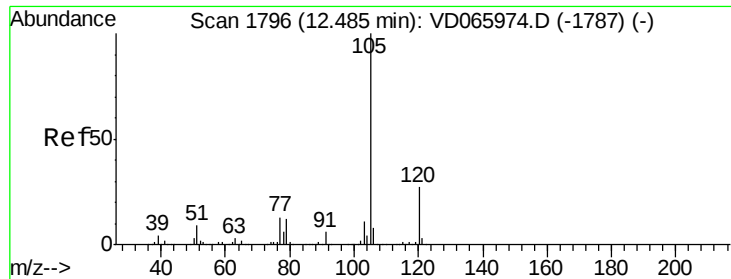
Acq: 29 Jul 2020 09:50

Tgt Ion:152	Resp:	184996
Ion Ratio	Lower	Upper
152 100		
115 55.8	27.9	83.7
150 172.7	0.0	348.2



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





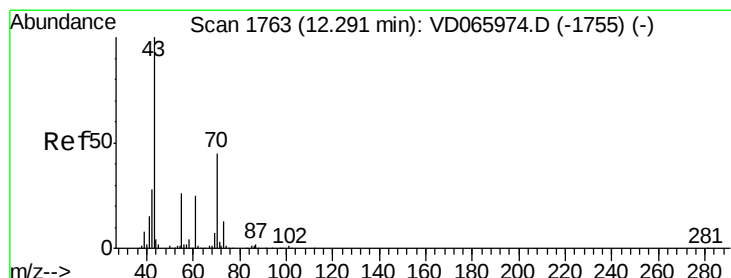
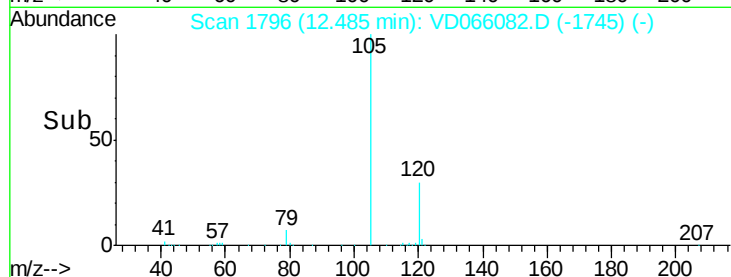
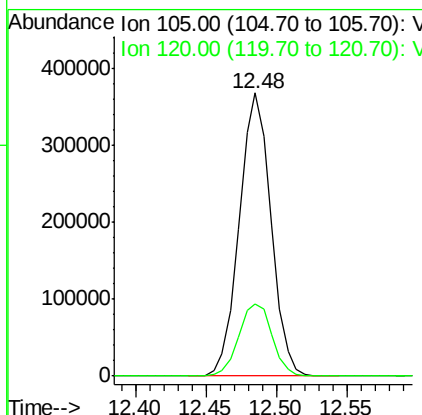
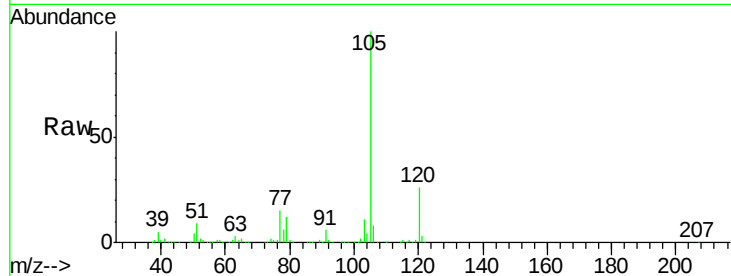
#73
Isopropylbenzene
Concen: 51.624 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.6	40.8

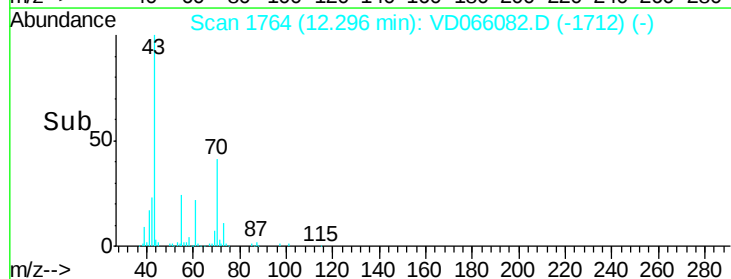
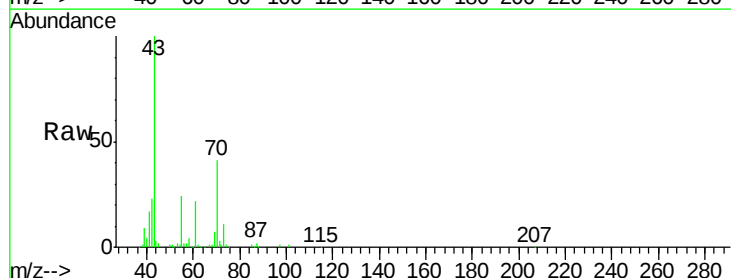
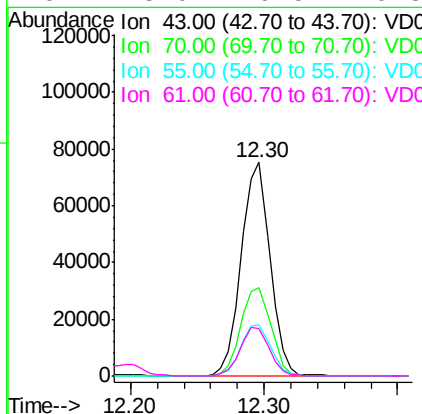
Manual Integrations
APPROVED

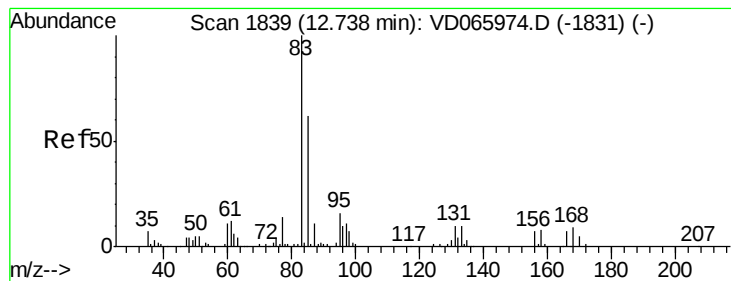
MMDadoda
7/30/2020 6:19:37 PM



#74
N-ethyl acetate
Concen: 48.452 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	34.6	51.8
55	25.1	20.3	30.5
61	23.0	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.782 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

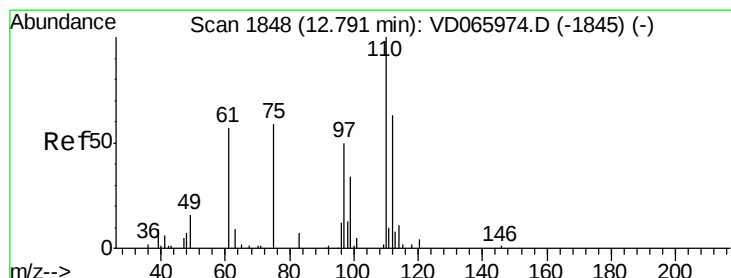
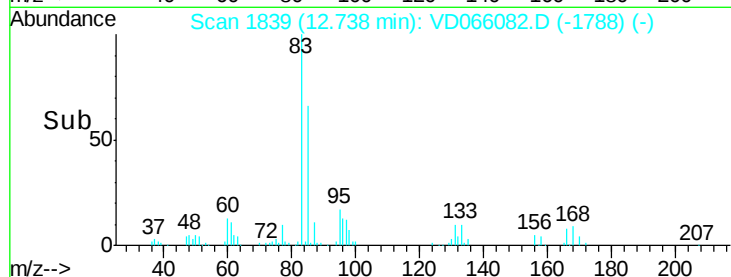
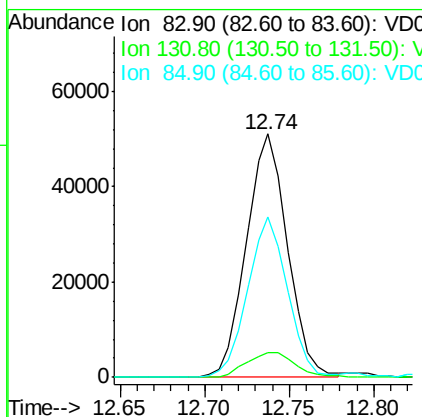
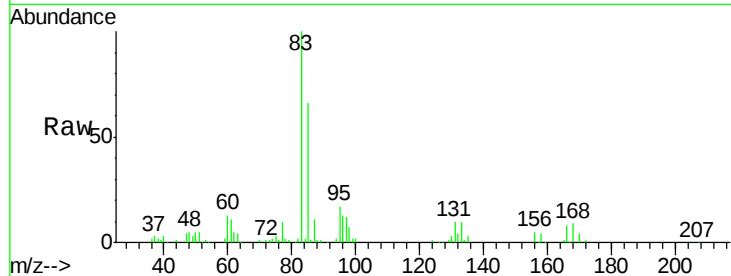
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	86545
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.7	17.1
85	64.0	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#76

1,2,3-Trichloropropane

Concen: 40.995 ug/l m

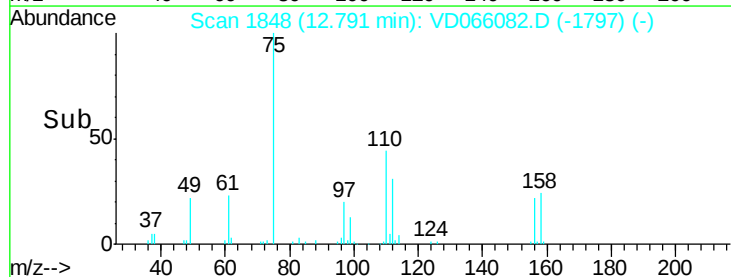
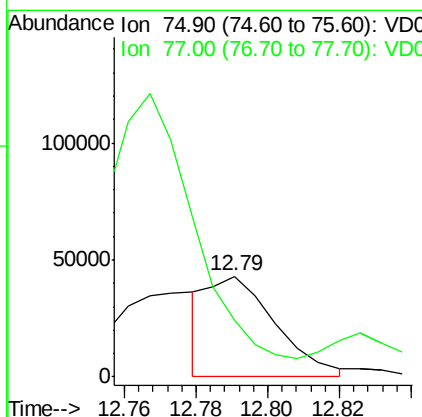
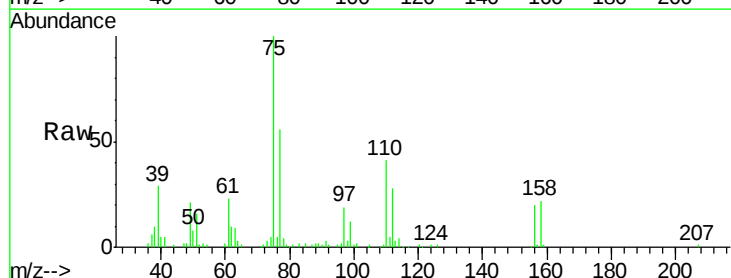
RT: 12.79 min Scan# 1848

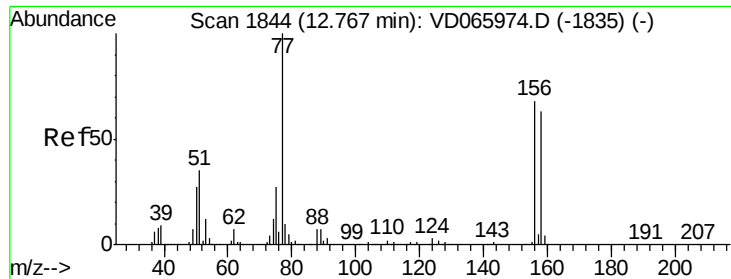
Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	75	Resp:	57103
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





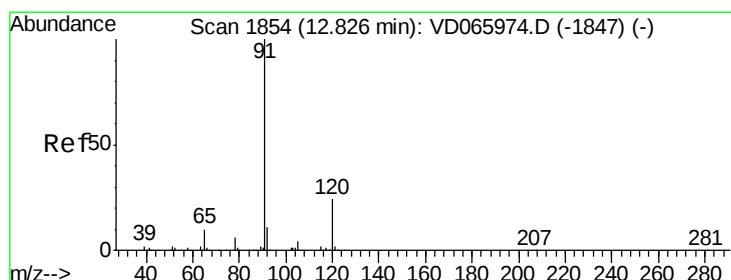
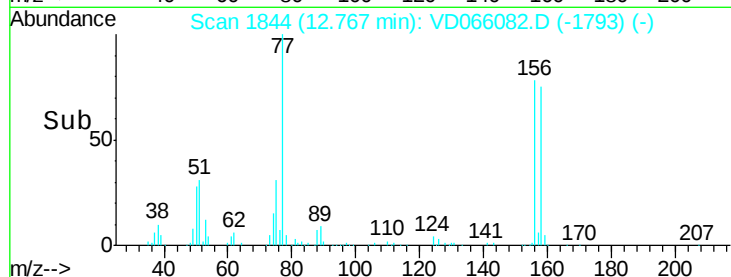
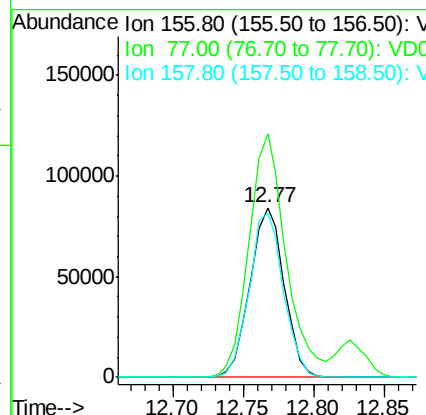
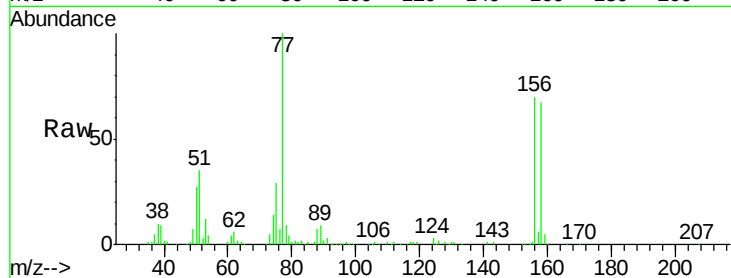
#77
Bromobenzene
Concen: 50.013 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.5	83.0	249.0
158	97.0	48.2	144.6

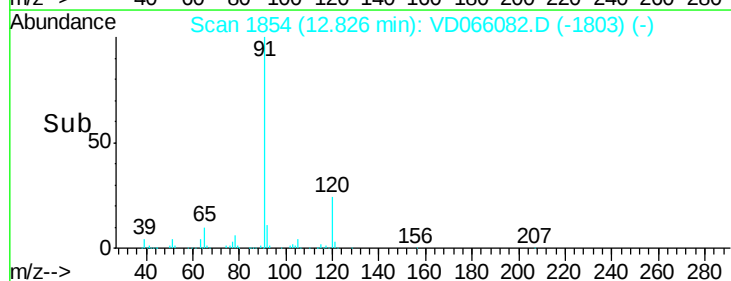
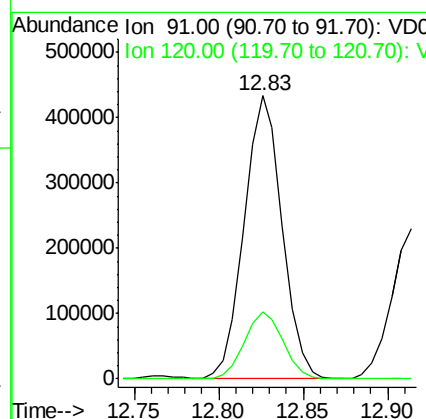
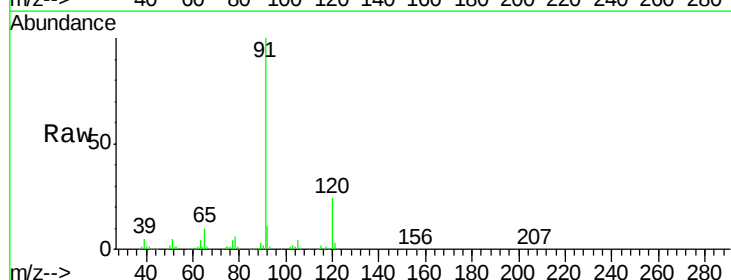
Manual Integrations
APPROVED

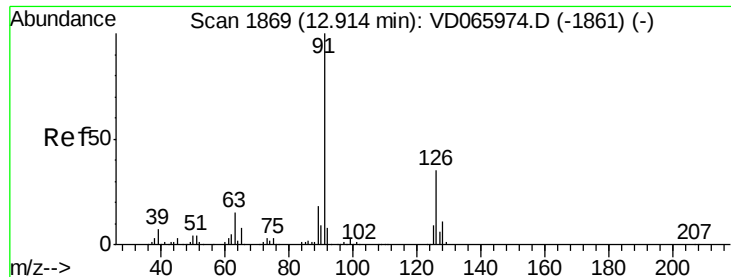
MMDadoda
7/30/2020 6:19:37 PM



#78
n-propylbenzene
Concen: 51.814 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.391 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 373955

Ion Ratio Lower Upper

91 100

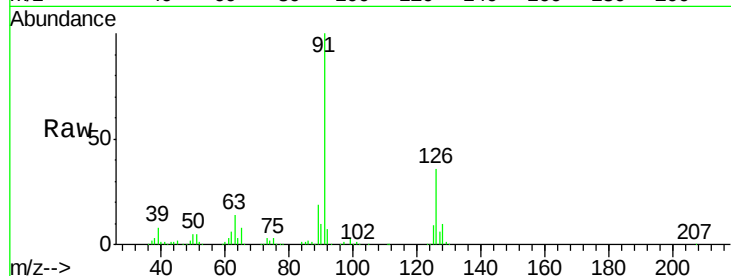
126 36.1 17.7 53.1

Manual Integrations

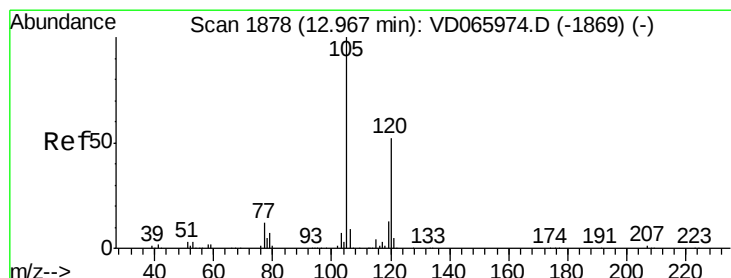
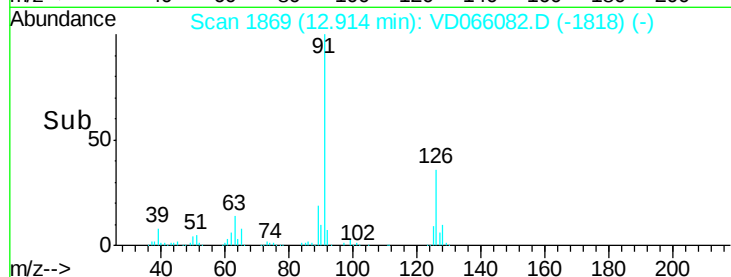
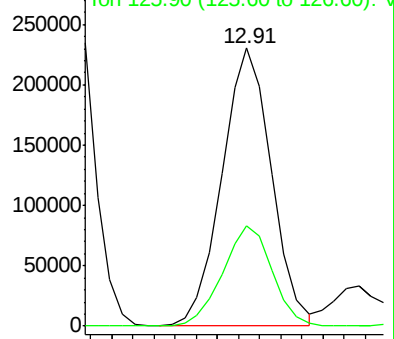
APPROVED

MMDadoda

7/30/2020 6:19:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.263 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066082.D

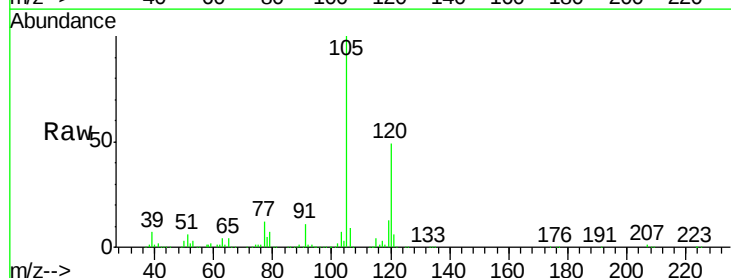
Acq: 29 Jul 2020 09:50

Tgt Ion: 105 Resp: 489854

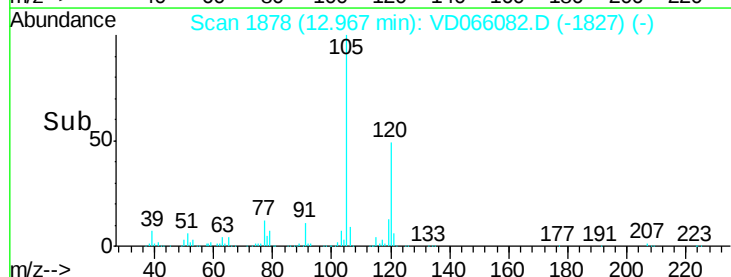
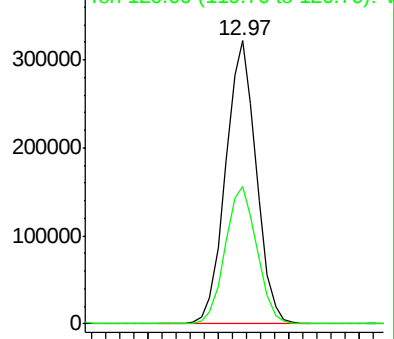
Ion Ratio Lower Upper

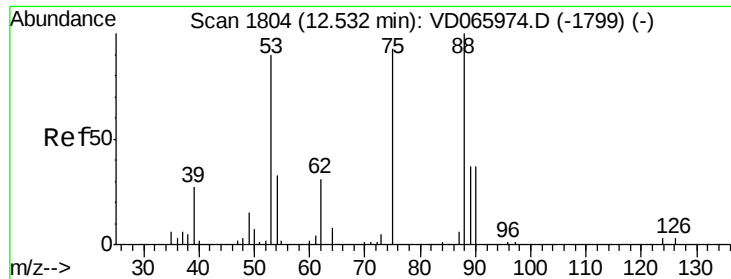
105 100

120 50.4 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.394 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

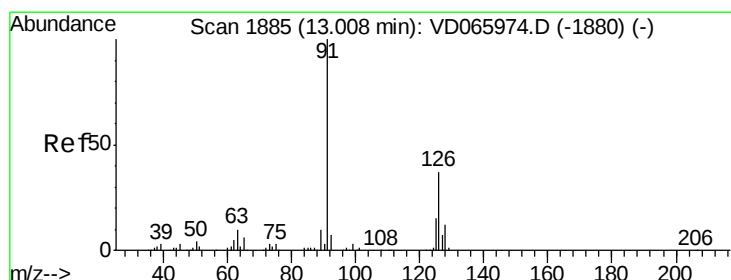
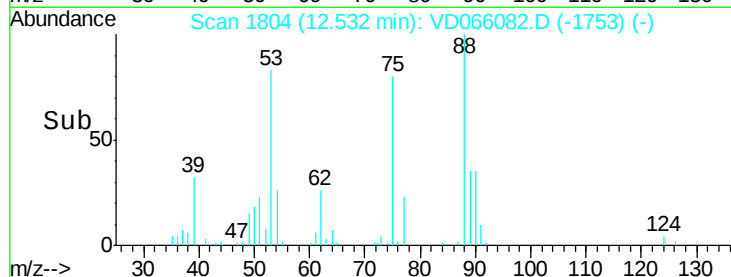
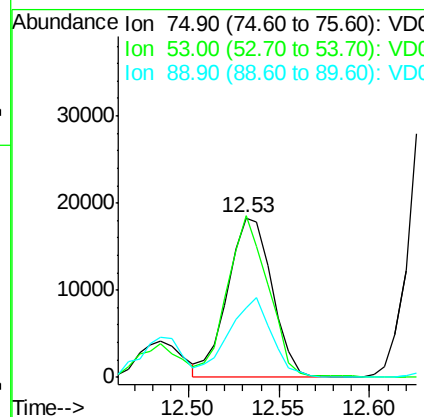
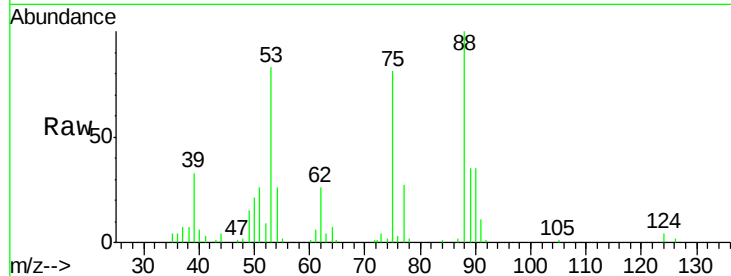
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	31198
Ion	Ratio	Lower	Upper
75	100		
53	91.2	76.8	115.2
89	48.7	37.0	55.4

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



#82

4-Chlorotoluene

Concen: 50.860 ug/l

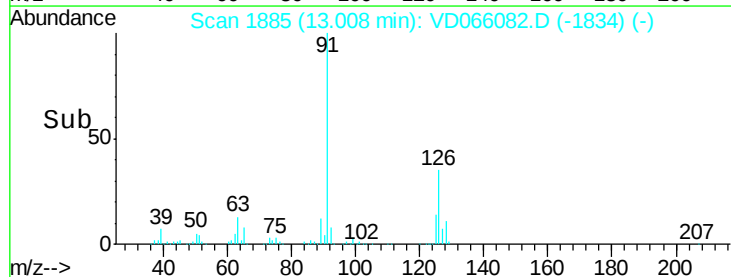
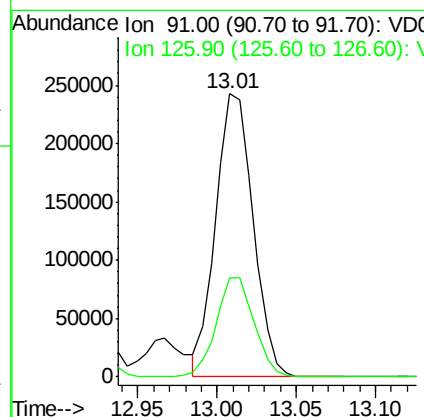
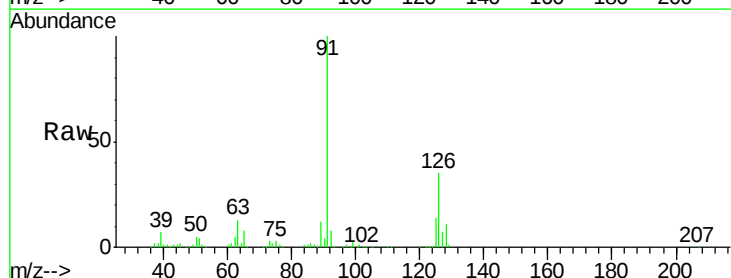
RT: 13.01 min Scan# 1885

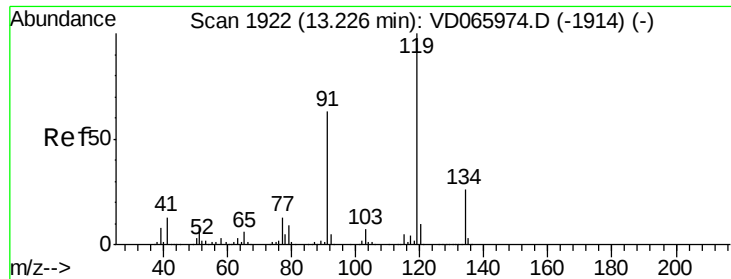
Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	91	Resp:	398388
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5





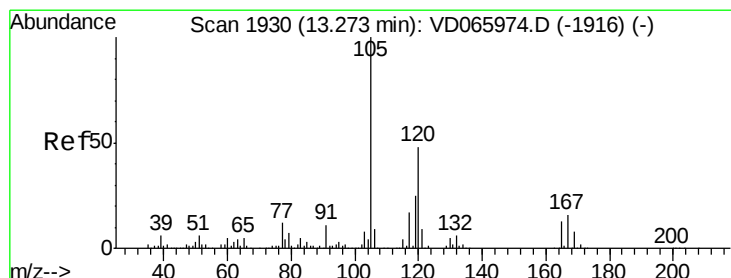
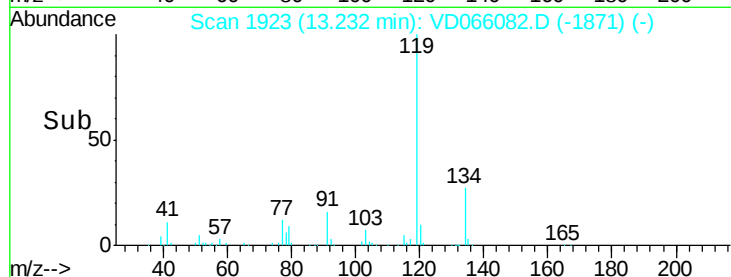
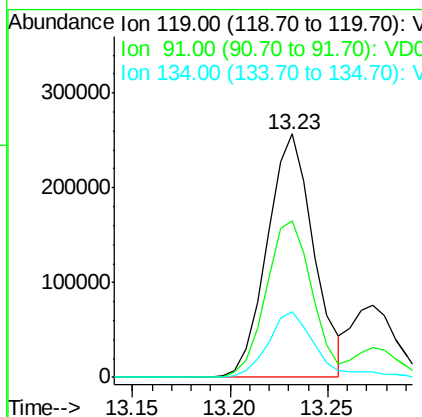
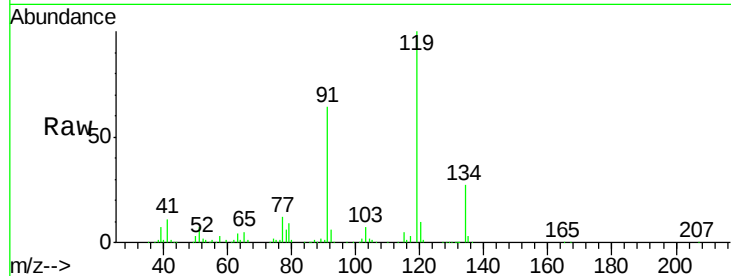
#83
tert-Butylbenzene
Concen: 52.505 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	30.6	91.6
134	27.8	13.9	41.7

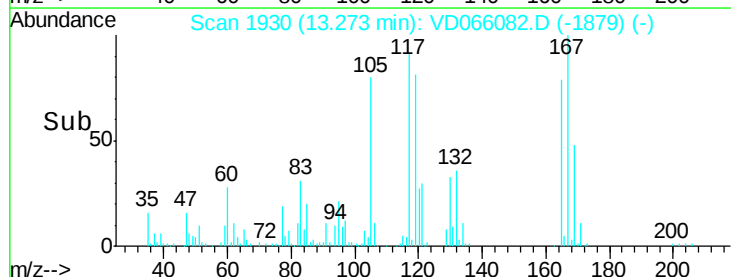
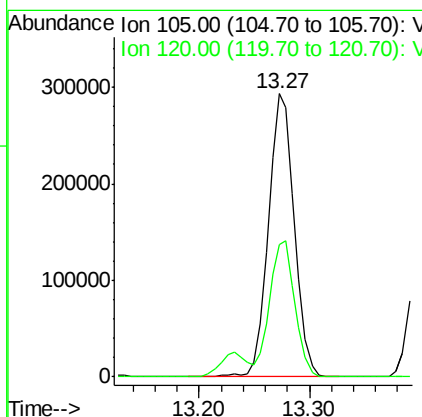
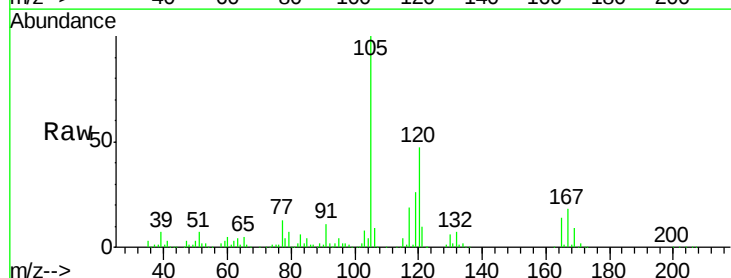
Manual Integrations
APPROVED

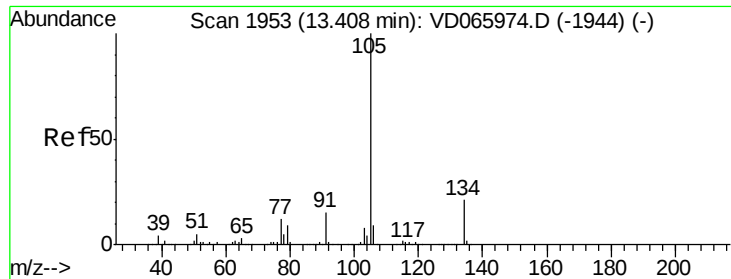
MMDadoda
7/30/2020 6:19:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.739 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.9	71.8





#85

sec-Butylbenzene

Concen: 53.463 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 592641

Ion Ratio Lower Upper

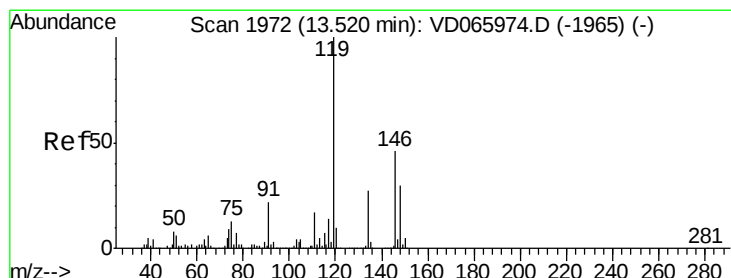
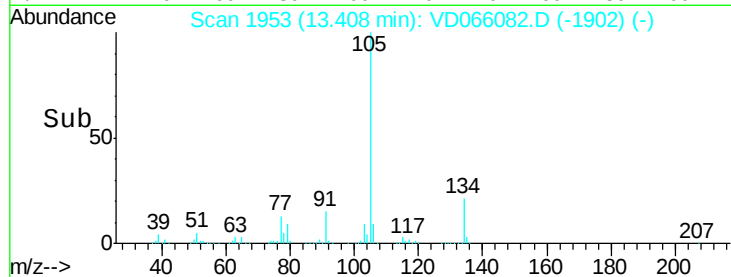
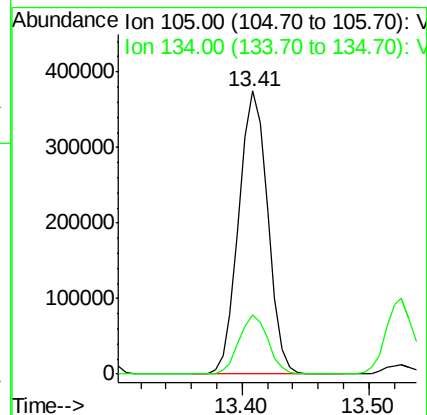
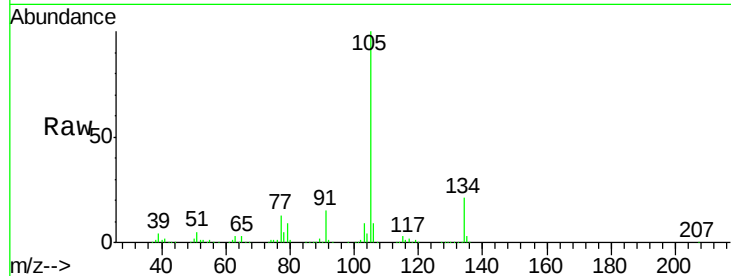
105 100

134 20.8 10.4 31.4

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:19:37 PM



#86

p-Isopropyltoluene

Concen: 54.229 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

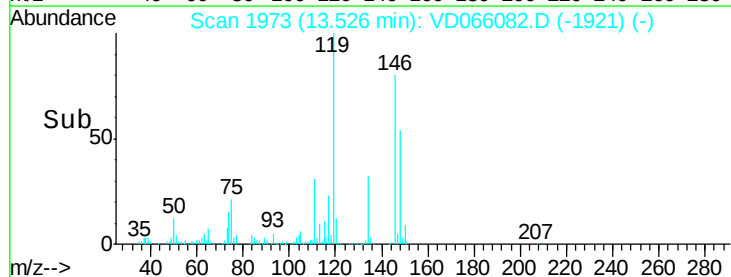
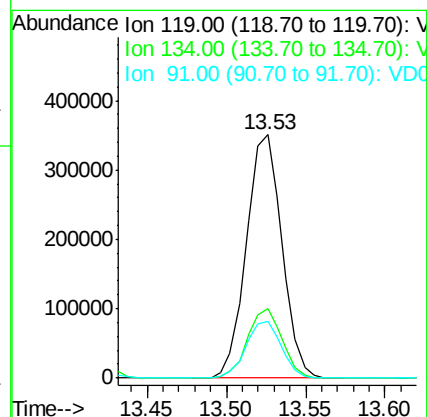
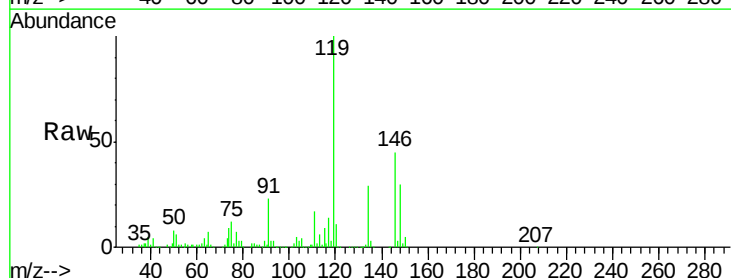
Tgt Ion:119 Resp: 546122

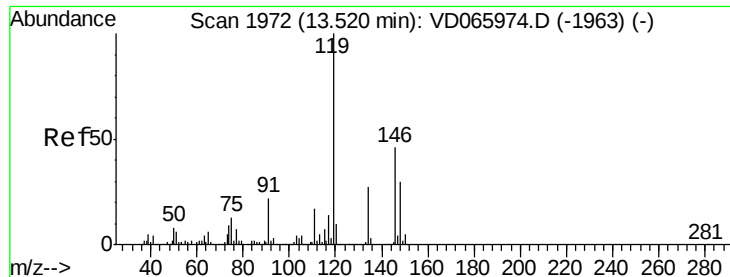
Ion Ratio Lower Upper

119 100

134 27.8 13.4 40.2

91 23.1 11.1 33.3





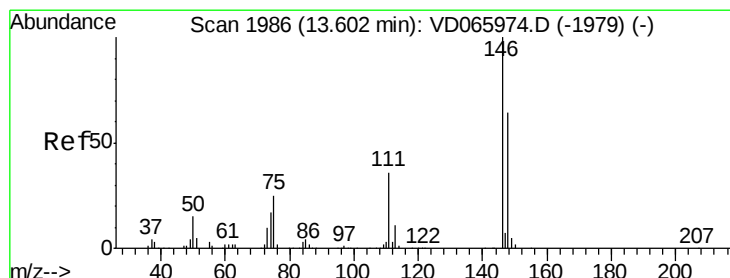
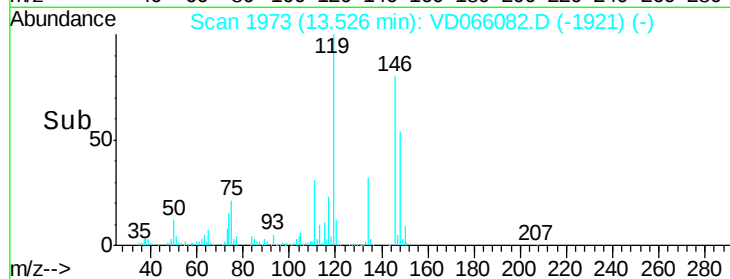
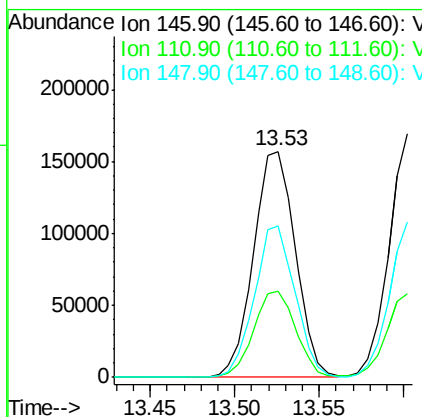
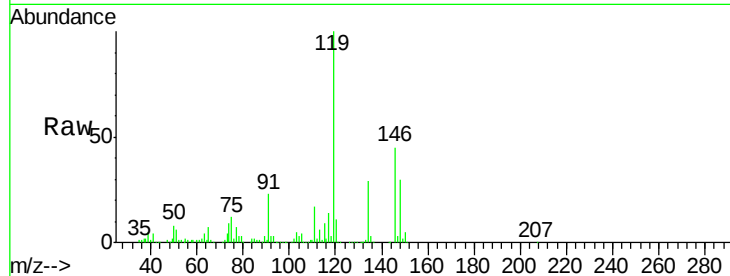
#87
 1,3-Dichlorobenzene
 Concen: 50.785 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.6
148	64.9	32.4	97.0

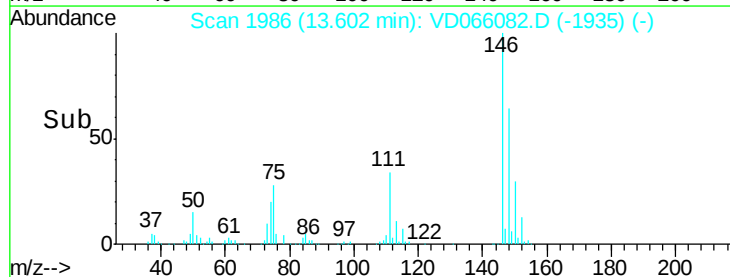
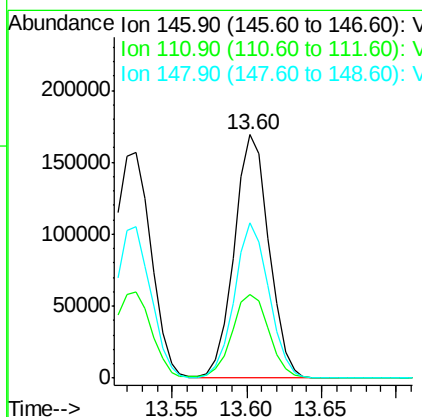
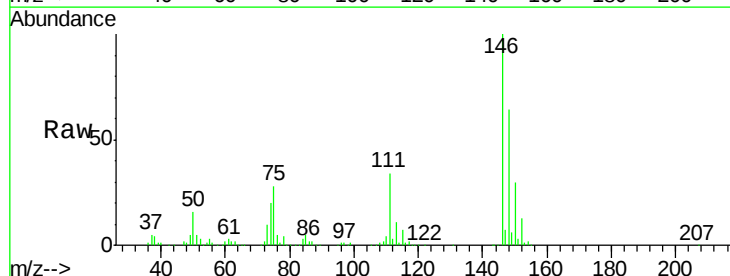
Manual Integrations
 APPROVED

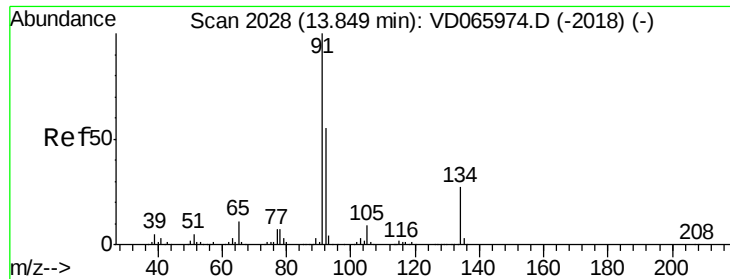
MMDadoda
 7/30/2020 6:19:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.127 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	63.2	32.2	96.6





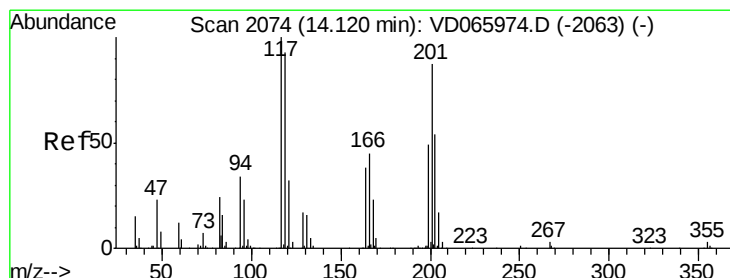
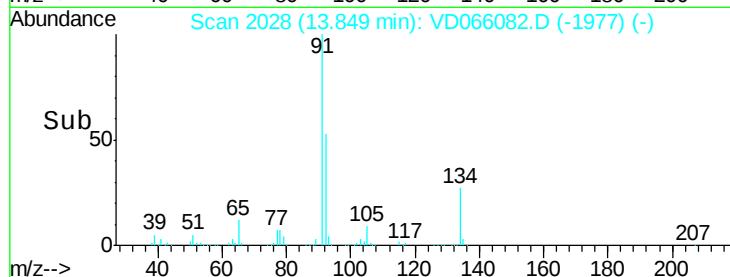
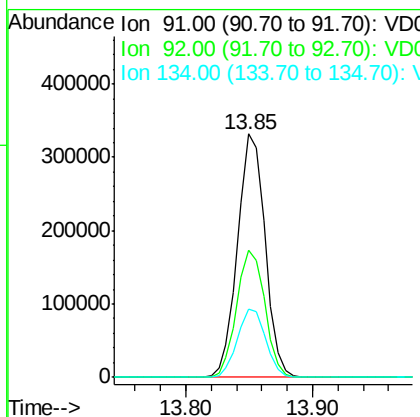
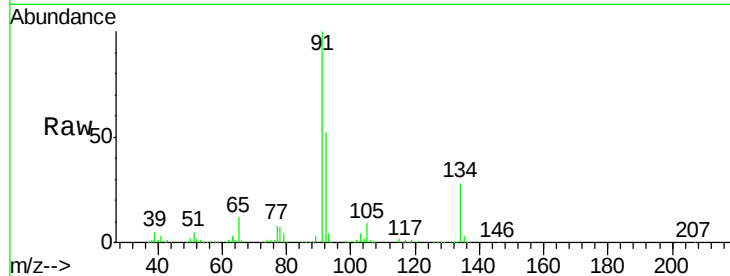
#89
n-Butylbenzene
Concen: 53.230 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	28.9	13.8	41.4

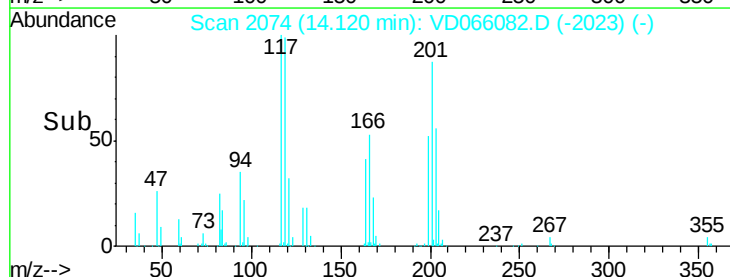
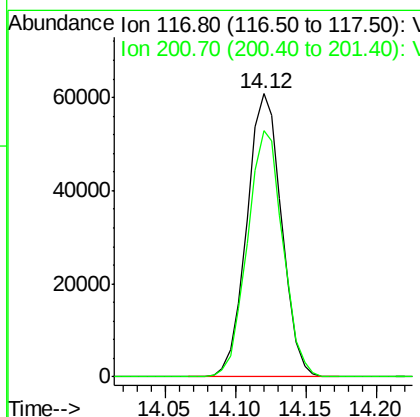
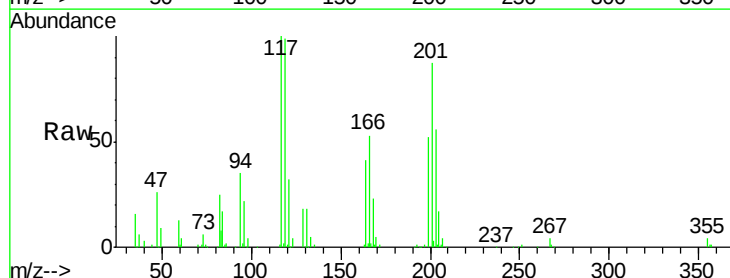
Manual Integrations
APPROVED

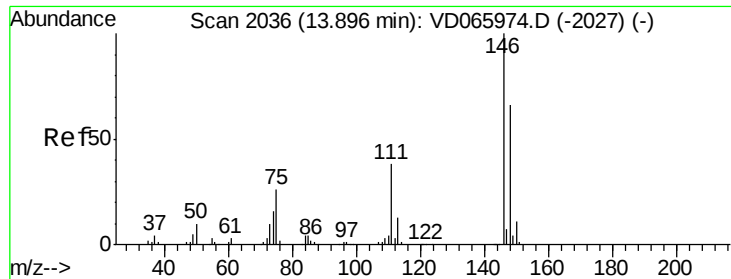
MMDadoda
7/30/2020 6:19:37 PM



#90
Hexachloroethane
Concen: 50.337 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066082.D
Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	42.0	126.1





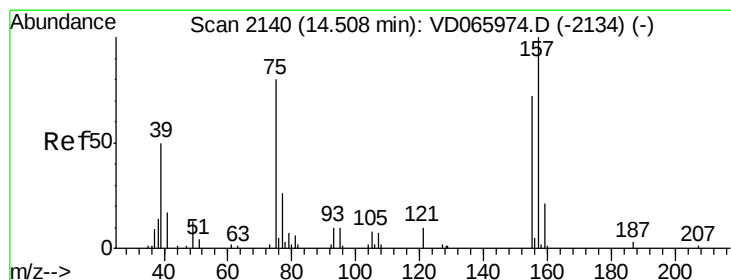
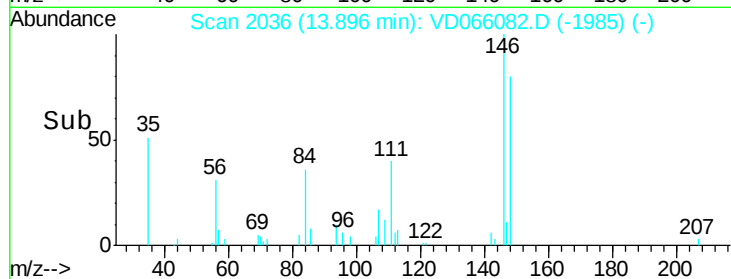
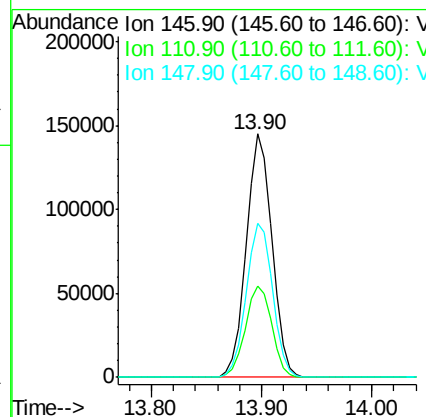
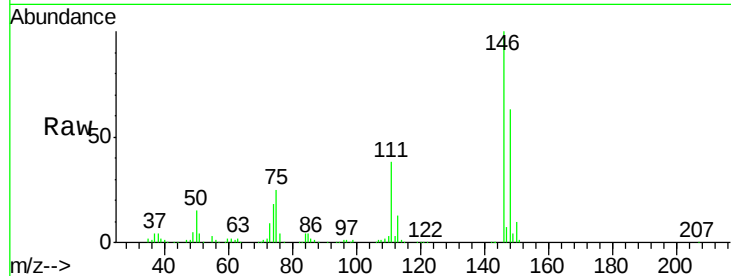
#91
 1,2-Dichlorobenzene
 Concen: 51.653 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	65.0	32.7	98.1

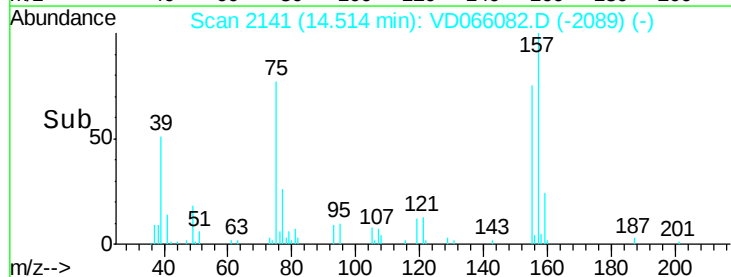
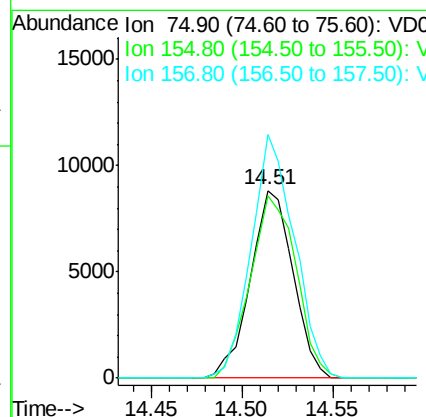
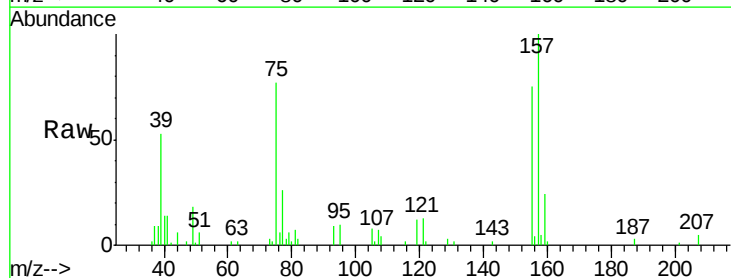
Manual Integrations
 APPROVED

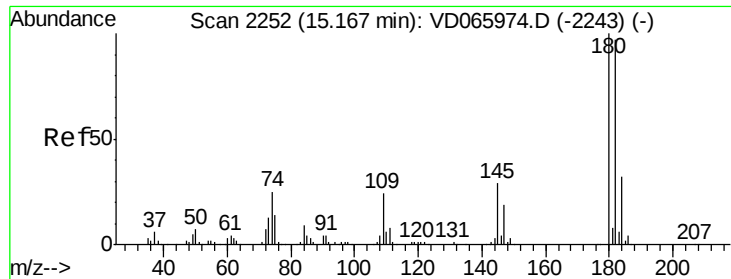
MMDadoda
 7/30/2020 6:19:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.607 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.7	48.5	145.5
157	131.6	64.7	194.1





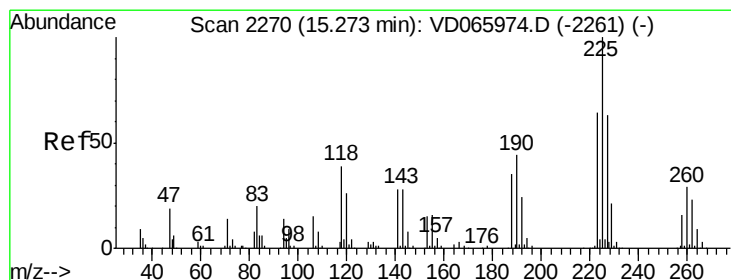
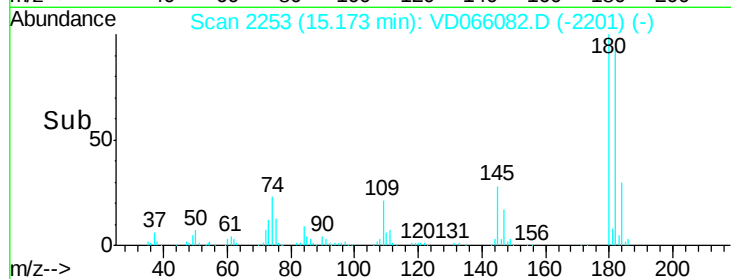
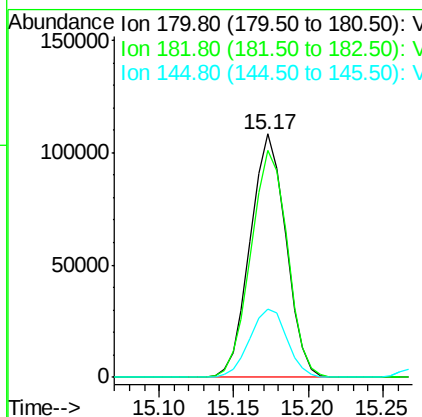
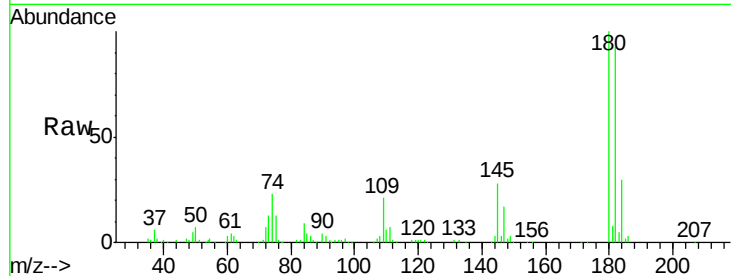
#93
 1,2,4-Trichlorobenzene
 Concen: 54.336 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	179507
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.1	144.3
145	29.4	14.7	44.1

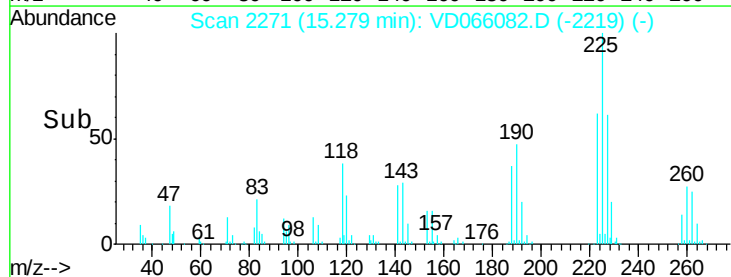
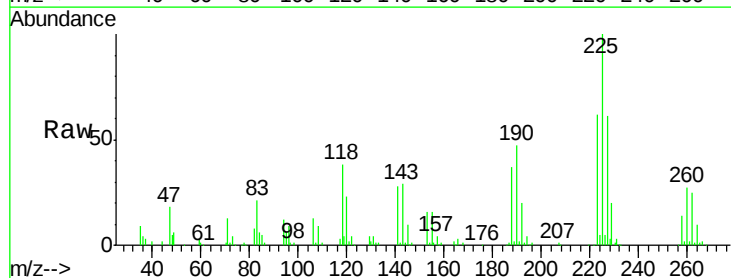
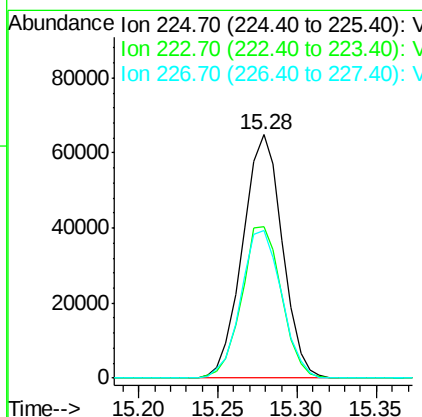
Manual Integrations
 APPROVED

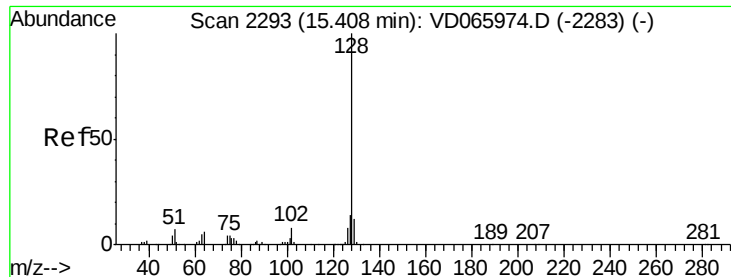
MMDadoda
 7/30/2020 6:19:37 PM



#94
 Hexachlorobutadiene
 Concen: 55.225 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066082.D
 Acq: 29 Jul 2020 09:50

Tgt Ion:	225	Resp:	112795
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.2	93.6
227	62.2	31.6	94.8





#95

Naphthalene

Concen: 48.685 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Instrument :

MSVOA_D

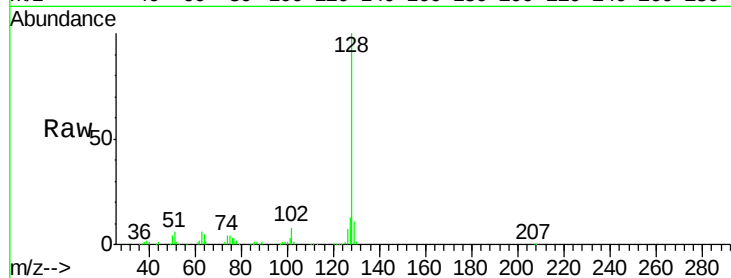
ClientSampleId :

VSTDCCC050

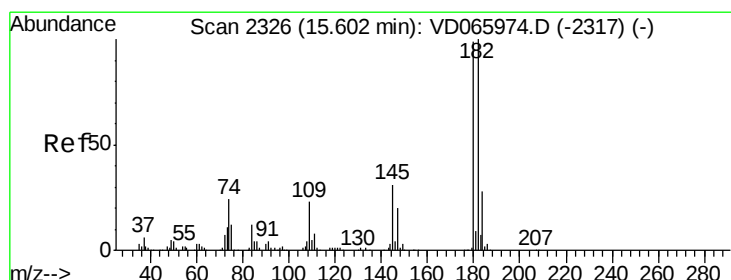
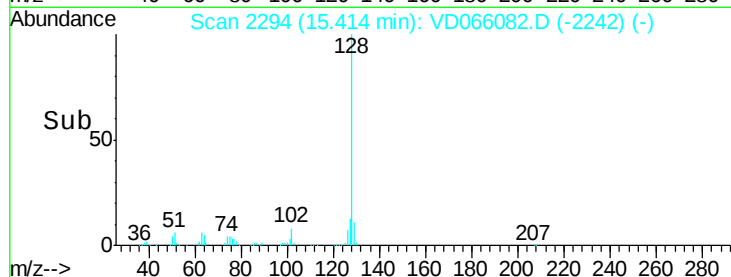
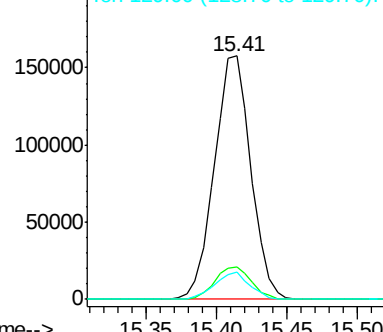
Tot Ion:	128	Resp:	285433
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:19:37 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.177 ug/l

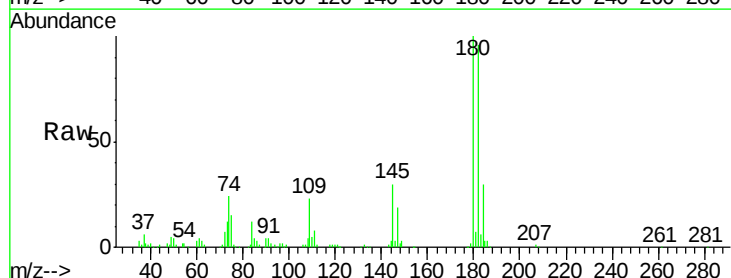
RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD066082.D

Acq: 29 Jul 2020 09:50

Tgt Ion:	180	Resp:	152727
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	30.4	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

