

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066127.D
 Acq On : 05 Aug 2020 12:54
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:29 PM

Quant Time: Aug 05 13:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	343055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	510456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	470023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	462513	150.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.62%	
35) Dibromofluoromethane	7.91	113	470132	144.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.12%	
50) Toluene-d8	10.34	98	1795678	150.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.38%	
62) 4-Bromofluorobenzene	12.64	95	630734	145.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	401613	125.952	ug/l	99
3) Chloromethane	2.20	50	308333	122.889	ug/l	96
4) Vinyl Chloride	2.34	62	293034	136.457	ug/l	99
5) Bromomethane	2.73	94	175134	119.265	ug/l	99
6) Chloroethane	2.90	64	171072	127.887	ug/l #	89
7) Trichlorofluoromethane	3.26	101	756298	135.200	ug/l	96
8) Diethyl Ether	3.70	74	232589	152.363	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	451005	136.342	ug/l	99
10) Methyl Iodide	4.29	142	496460	244.423	ug/l	97
11) Tert butyl alcohol	5.24	59	155690	426.661	ug/l	97
12) 1,1-Dichloroethene	4.06	96	433480	139.623	ug/l	97
13) Acrolein	3.92	56	177857	717.497	ug/l	100
14) Allyl chloride	4.70	41	666958	143.133	ug/l	100
15) Acrylonitrile	5.41	53	484989	755.583	ug/l	99
16) Acetone	4.15	43	415363	704.337	ug/l	100
17) Carbon Disulfide	4.40	76	1362677	137.874	ug/l	99
18) Methyl Acetate	4.71	43	207255	137.027	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	1043858	150.081	ug/l	99
20) Methylene Chloride	4.96	84	468349	107.676	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	493587	138.119	ug/l	94
22) Diisopropyl ether	6.36	45	1319729	143.311	ug/l	97
23) Vinyl Acetate	6.30	43	3953858	741.906	ug/l	99
24) 1,1-Dichloroethane	6.26	63	801305	139.480	ug/l	99
25) 2-Butanone	7.21	43	607994	696.872	ug/l	96
26) 2,2-Dichloropropane	7.20	77	682051	129.690	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	525234	142.023	ug/l	99
28) Bromochloromethane	7.54	49	287621	143.253	ug/l	98
29) Tetrahydrofuran	7.56	42	391630	738.498	ug/l	100
30) Chloroform	7.71	83	835143	138.124	ug/l	95
31) Cyclohexane	7.98	56	720400	128.605	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	783194	138.431	ug/l	99
36) 1,1-Dichloropropene	8.11	75	663603	134.688	ug/l	99
37) Ethyl Acetate	7.29	43	276257	144.488	ug/l	98
38) Carbon Tetrachloride	8.09	117	742564	135.568	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066127.D
 Acq On : 05 Aug 2020 12:54
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:29 PM

Quant Time: Aug 05 13:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	839327	143.558	ug/l	99
40) Benzene	8.34	78	1834522	134.177	ug/l	99
41) Methacrylonitrile	7.53	41	182277	167.303	ug/l	91
42) 1,2-Dichloroethane	8.42	62	552158	138.274	ug/l	100
43) Isopropyl Acetate	8.45	43	556964	149.070	ug/l	99
44) Trichloroethene	9.11	130	566977	138.775	ug/l	97
45) 1,2-Dichloropropane	9.38	63	462788	139.819	ug/l	98
46) Dibromomethane	9.47	93	253676	139.391	ug/l	97
47) Bromodichloromethane	9.66	83	673800	140.017	ug/l	98
48) Methyl methacrylate	9.46	41	269096	136.740	ug/l	91
49) 1,4-Dioxane	9.46	88	65084	2788.499	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	1388151	712.971	ug/l	99
52) Toluene	10.40	92	1231378	137.607	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	662280	146.896	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	777551	147.517	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	357265	134.711	ug/l	96
56) Ethyl methacrylate	10.66	69	474960	156.121	ug/l	99
57) 1,3-Dichloropropane	10.94	76	612864	140.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1055759	762.760	ug/l	100
59) 2-Hexanone	10.98	43	969993	712.440	ug/l	99
60) Dibromochloromethane	11.14	129	506132	139.404	ug/l	99
61) 1,2-Dibromoethane	11.24	107	356990	141.954	ug/l	99
64) Tetrachloroethene	10.87	164	505196	137.131	ug/l	98
65) Chlorobenzene	11.67	112	1342819	137.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	514318	134.109	ug/l	99
67) Ethyl Benzene	11.74	91	2363599	141.184	ug/l	97
68) m/p-Xylenes	11.86	106	1811566	278.243	ug/l	100
69) o-Xylene	12.18	106	837853	143.019	ug/l	99
70) Styrene	12.20	104	1465179	141.973	ug/l	99
71) Bromoform	12.36	173	313522	138.950	ug/l #	100
73) Isopropylbenzene	12.48	105	2318906	144.142	ug/l	99
74) N-amyl acetate	12.29	43	545820	157.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	386298	138.465	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	274915m	138.920	ug/l	
77) Bromobenzene	12.76	156	588414	140.870	ug/l	98
78) n-propylbenzene	12.83	91	2675840	142.393	ug/l	100
79) 2-Chlorotoluene	12.91	91	1527927	141.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1934385	143.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	134217	148.498	ug/l	99
82) 4-Chlorotoluene	13.01	91	1601203	140.274	ug/l	99
83) tert-Butylbenzene	13.23	119	1712545	145.174	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1914879	141.292	ug/l	99
85) sec-Butylbenzene	13.41	105	2301457	143.877	ug/l	99
86) p-Isopropyltoluene	13.52	119	2145822	142.631	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1079956	135.888	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	1081191	136.931	ug/l	100
89) n-Butylbenzene	13.85	91	1968943	147.563	ug/l	100
90) Hexachloroethane	14.12	117	433001	144.054	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	964888	137.666	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	67684	142.538	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080520\
Data File : VD066127.D
Acq On : 05 Aug 2020 12:54
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

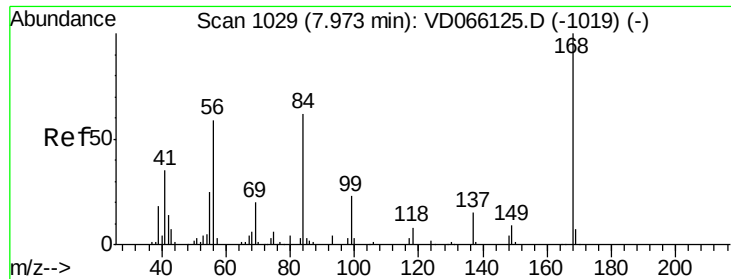
Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM

Quant Time: Aug 05 13:47:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:31:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	747016	148.505	ug/l	100
94) Hexachlorobutadiene	15.28	225	430252	144.038	ug/l	98
95) Naphthalene	15.41	128	1300118	163.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	655618	147.182	ug/l	99

(#) = 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. 0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tot Ion: 168 Resp: 343055

Ion Ratio Lower Upper

168 100

99 51.3 42.2 63.4

Instrument :

MSVOA_D

ClientSampleId :

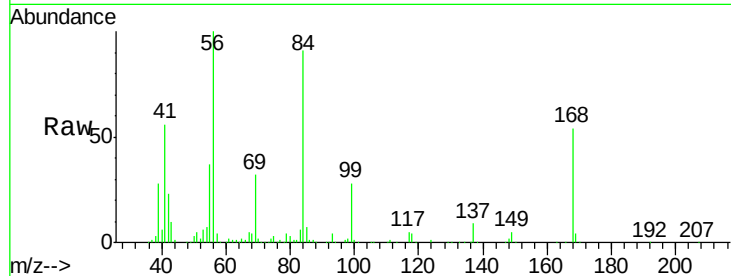
VSTDIC150

Manual Integrations

APPROVED

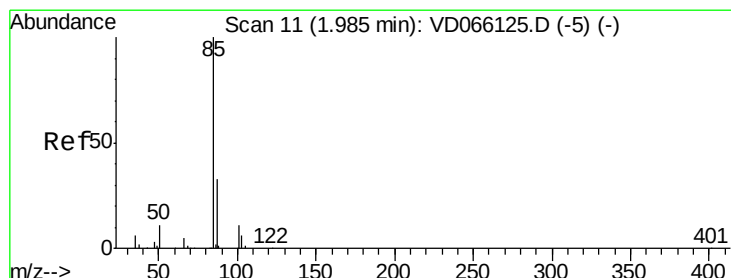
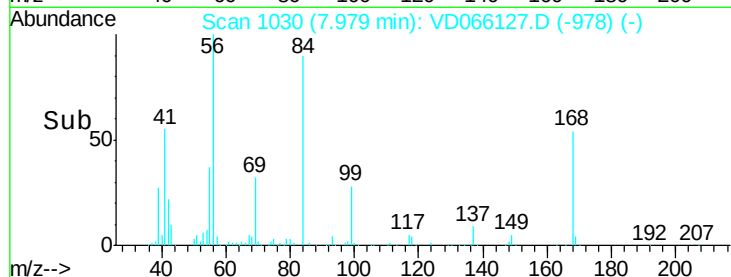
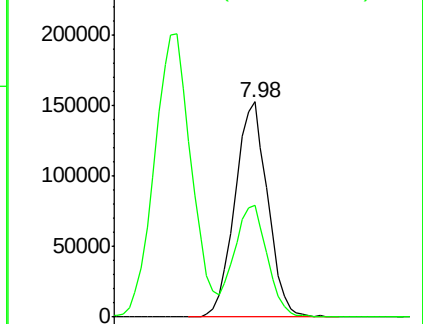
MMDadoda

8/6/2020 1:54:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 125.952 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066127.D

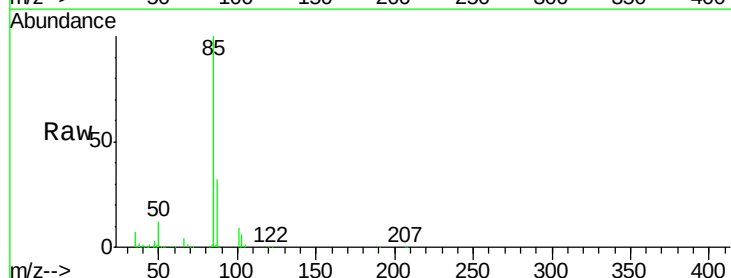
Acq: 05 Aug 2020 12:54

Tgt Ion: 85 Resp: 401613

Ion Ratio Lower Upper

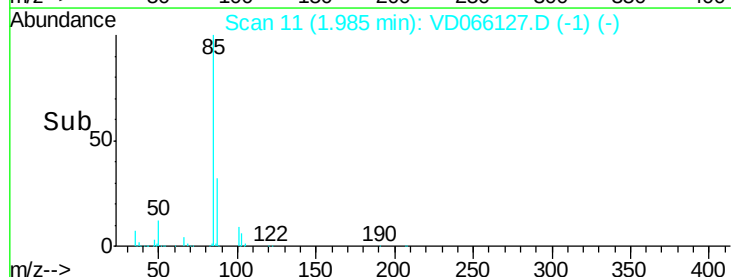
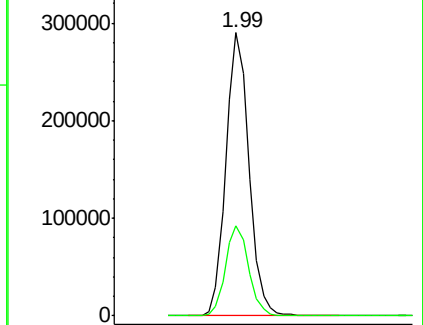
85 100

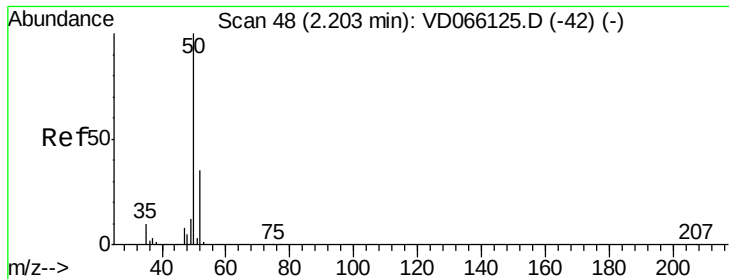
87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 122.889 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 308333

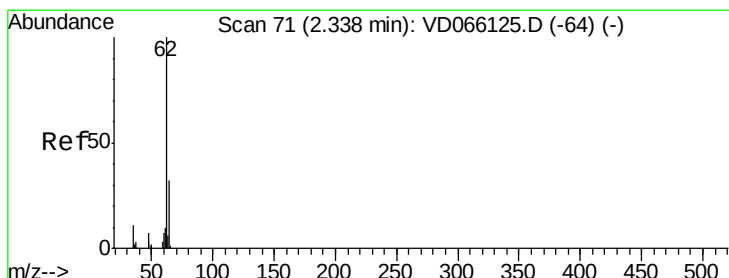
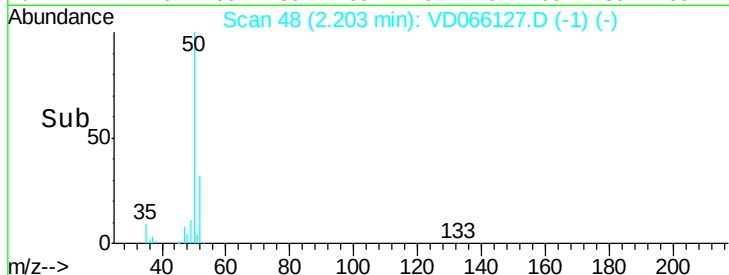
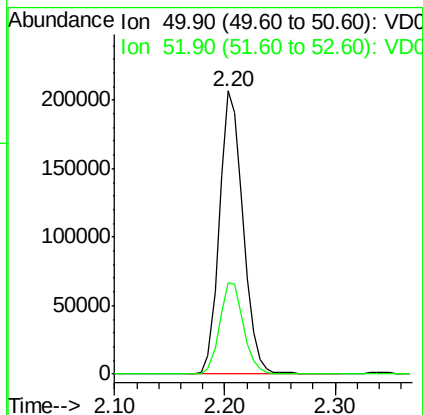
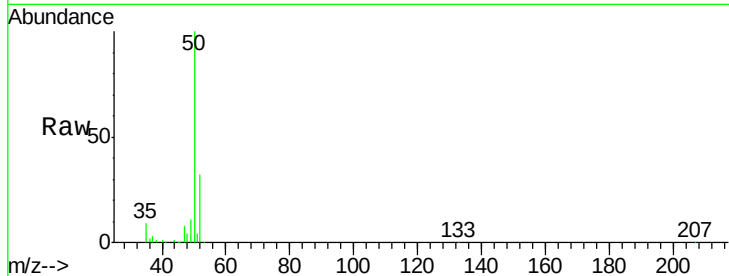
Ion Ratio Lower Upper

50 100

52 32.5 27.9 41.9

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#4

Vinyl Chloride

Concen: 136.457 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066127.D

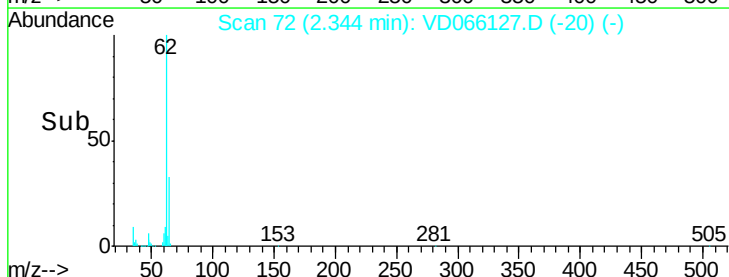
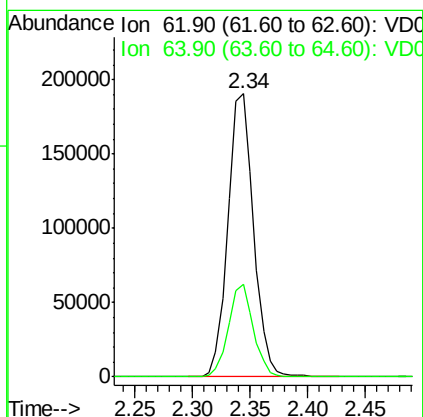
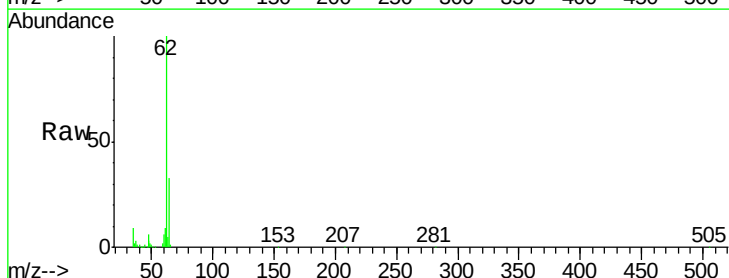
Acq: 05 Aug 2020 12:54

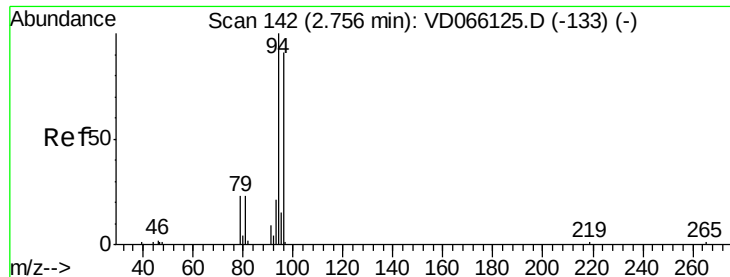
Tgt Ion: 62 Resp: 293034

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.8





#5

Bromomethane

Concen: 119.265 ug/l

RT: 2.73 min Scan# 138

Delta R.T. -0.02 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 175134

Ion Ratio Lower Upper

94 100

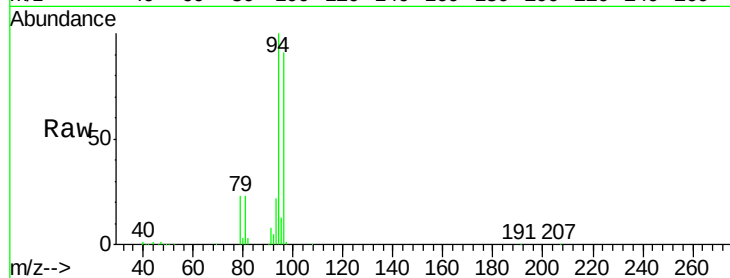
96 91.4 72.6 109.0

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:54:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.73

100000

80000

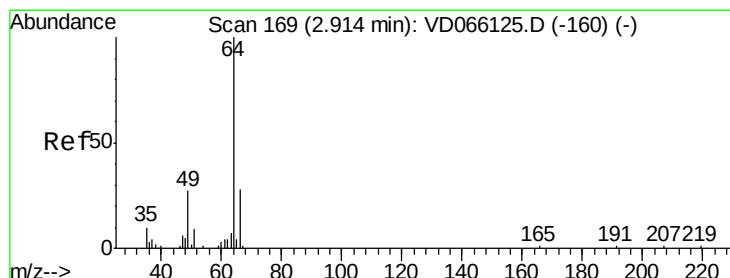
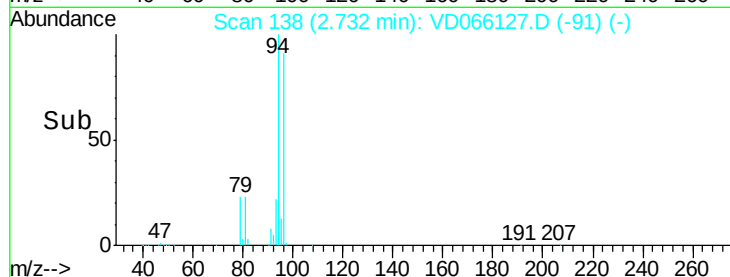
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 127.887 ug/l

RT: 2.90 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD066127.D

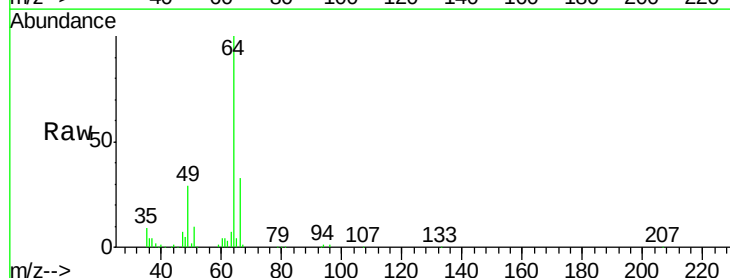
Acq: 05 Aug 2020 12:54

Tgt Ion: 64 Resp: 171072

Ion Ratio Lower Upper

64 100

66 33.2 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.90

80000

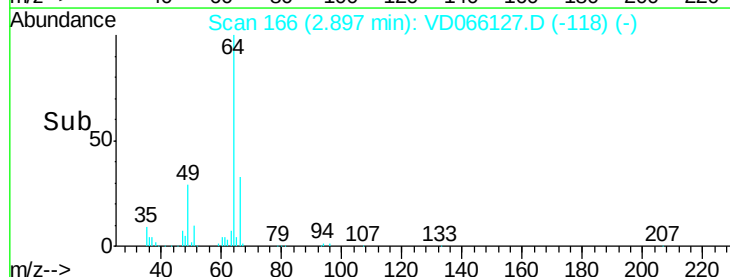
60000

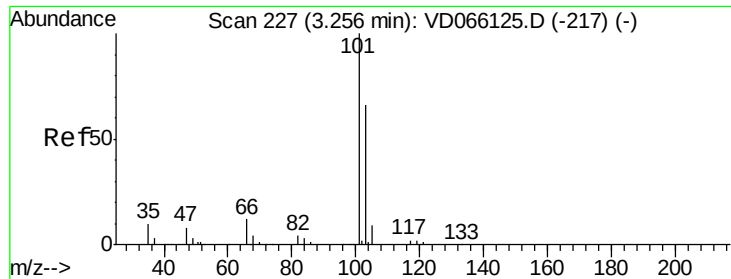
40000

20000

0

Time-->





#7

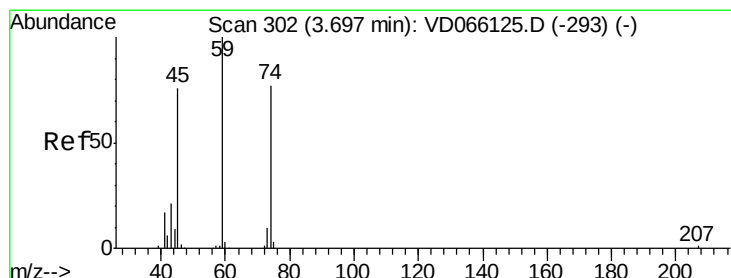
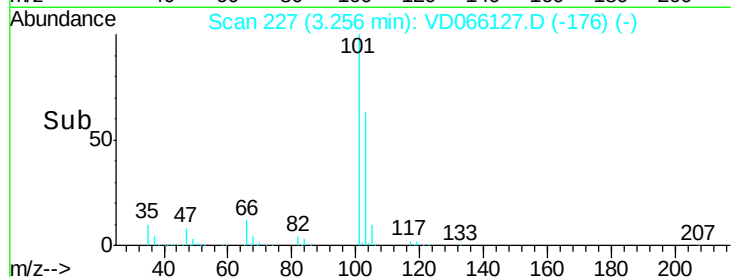
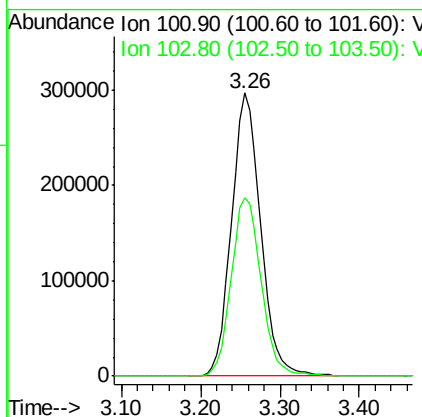
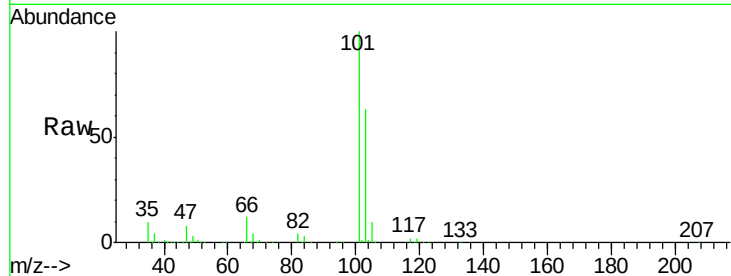
Trichlorofluoromethane
 Concen: 135.200 ug/l
 RT: 3.26 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	53.0	79.6

Manual Integrations
 APPROVED

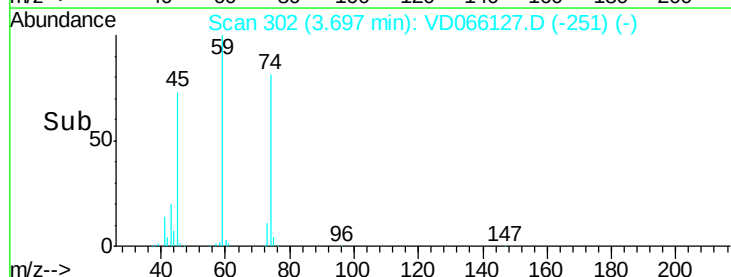
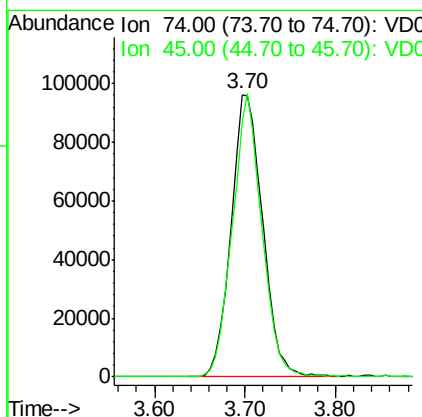
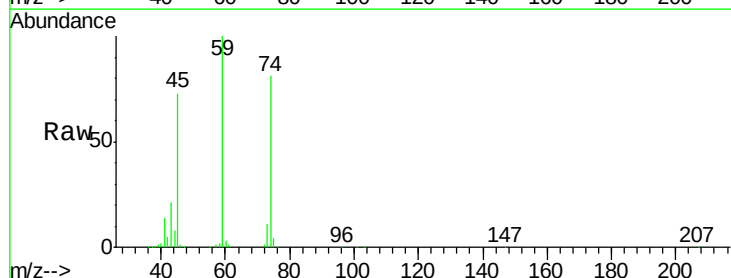
MMDadoda
 8/6/2020 1:54:29 PM

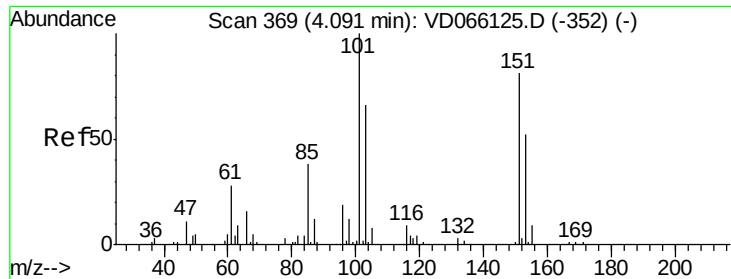


#8

Diethyl Ether
 Concen: 152.363 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.342 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

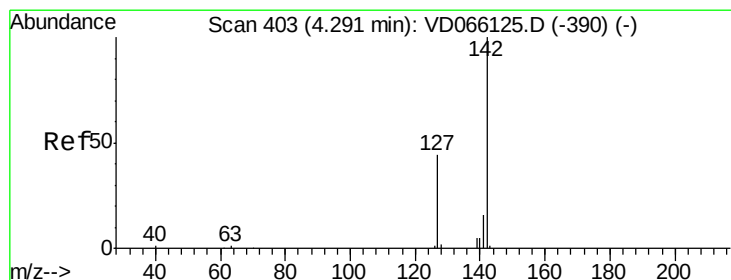
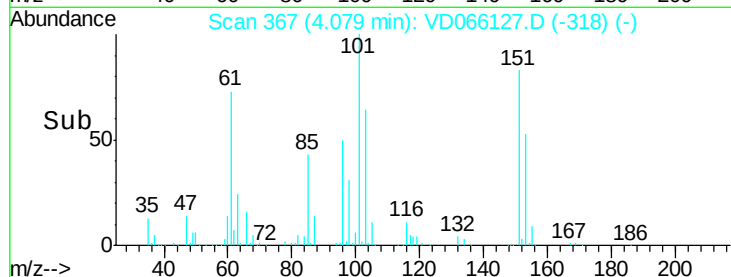
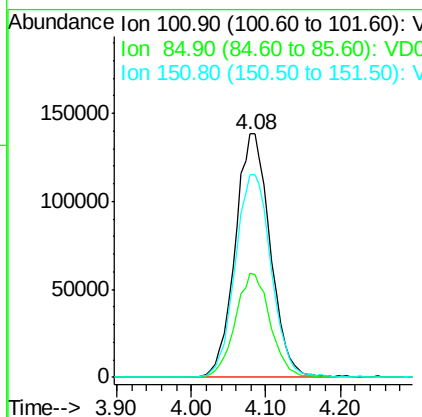
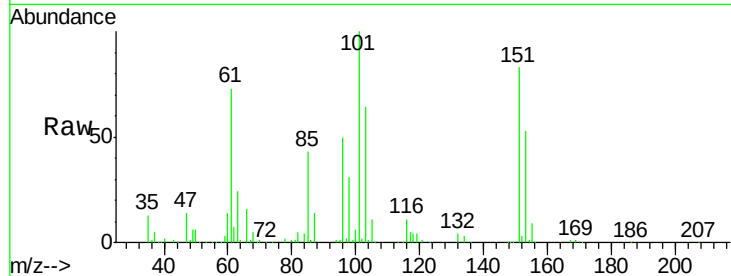
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	451005
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.5	50.3
151	85.8	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#10

Methyl Iodide

Concen: 244.423 ug/l

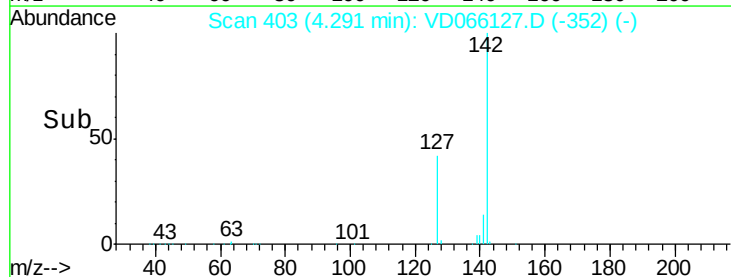
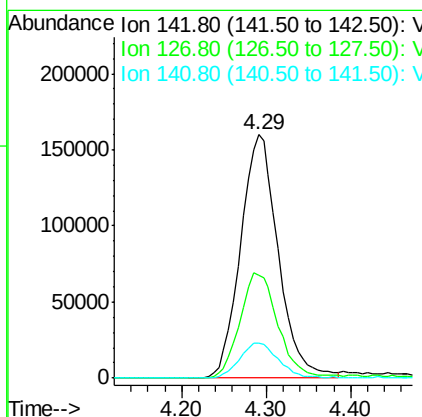
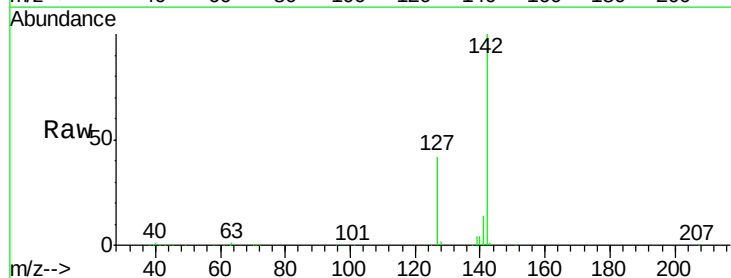
RT: 4.29 min Scan# 403

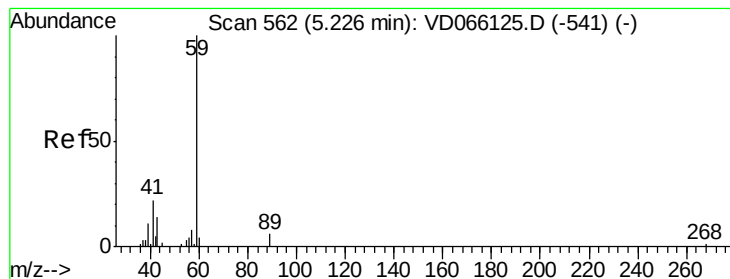
Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tgt Ion:	142	Resp:	496460
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.2	54.4
141	14.7	12.6	18.8





#11

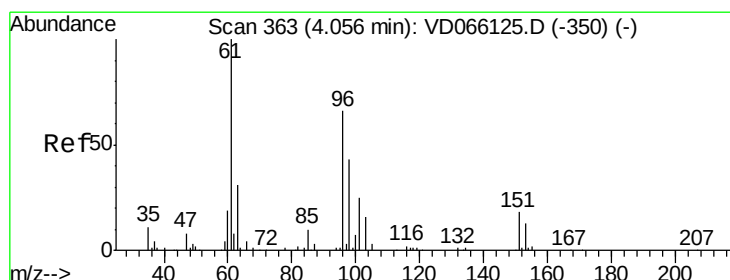
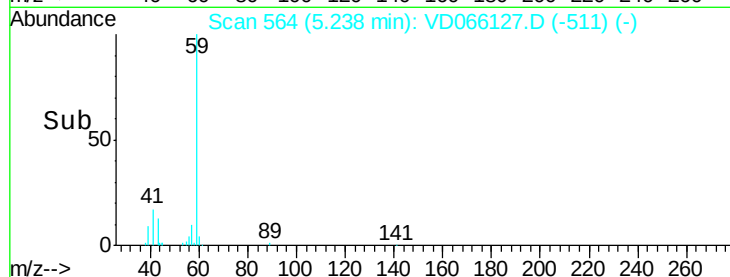
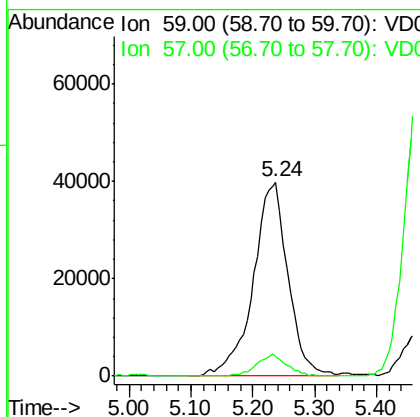
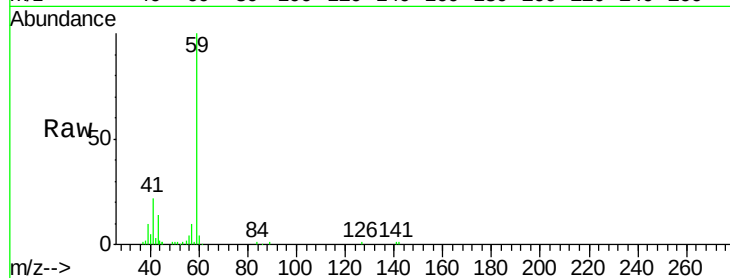
Tert butyl alcohol
 Concen: 426.661 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.0	10.4

Manual Integrations
 APPROVED

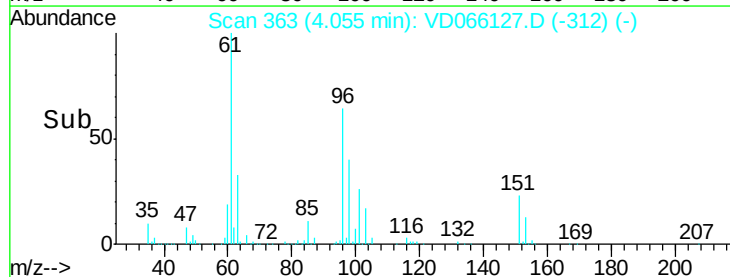
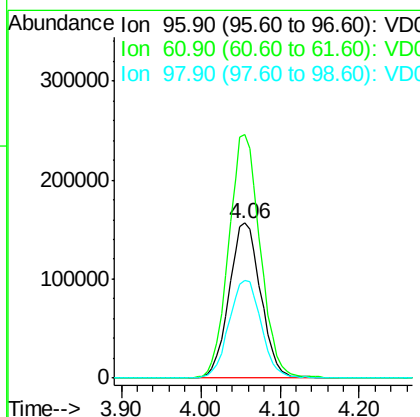
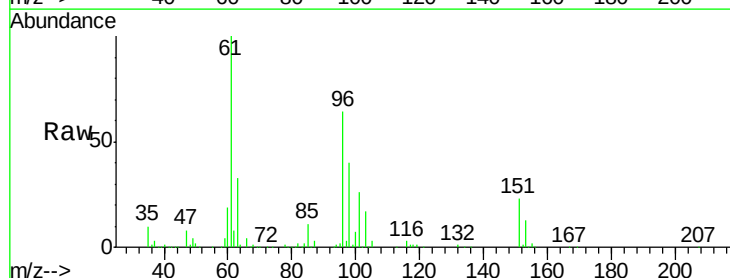
MMDadoda
 8/6/2020 1:54:29 PM

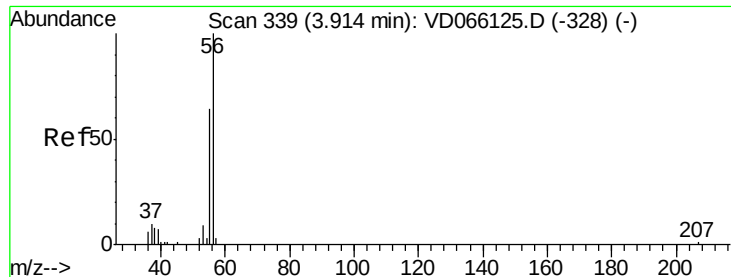


#12

1,1-Dichloroethene
 Concen: 139.623 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	121.6	182.4
98	63.2	52.0	78.0





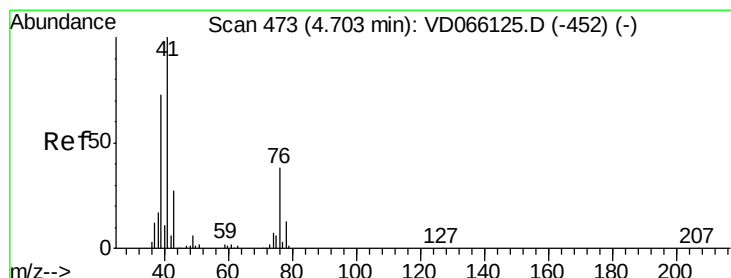
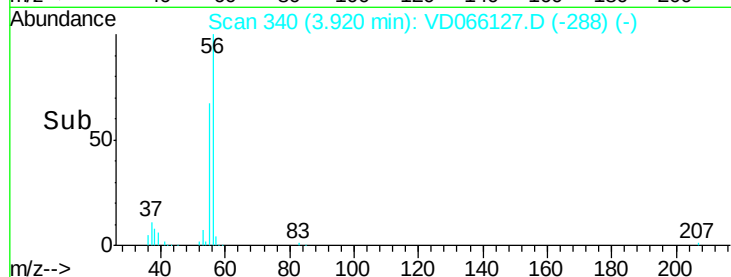
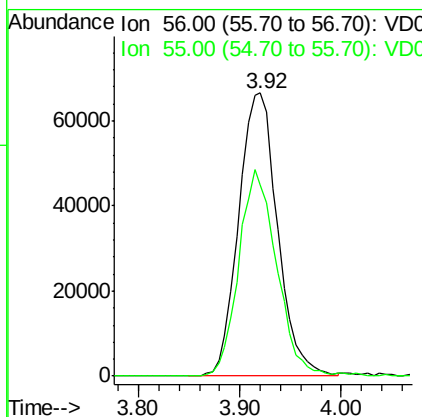
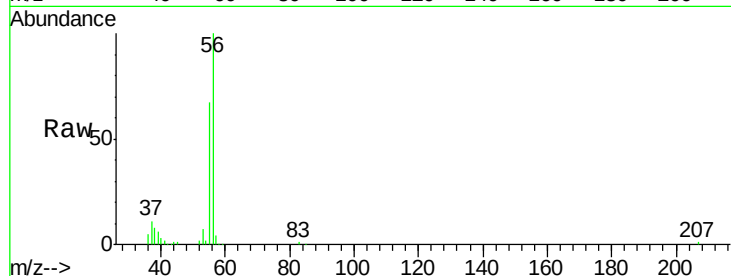
#13
Acrolein
Concen: 717.497 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Ratio	Lower	Upper
177857	100	71.2		56.7	85.1

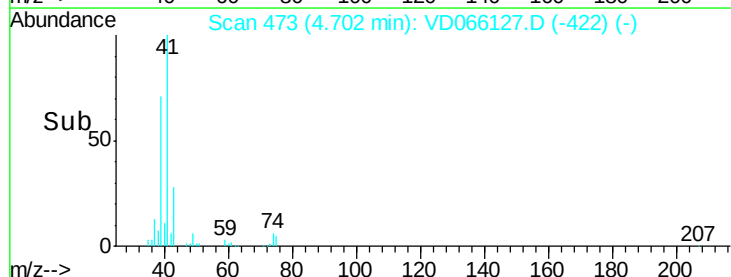
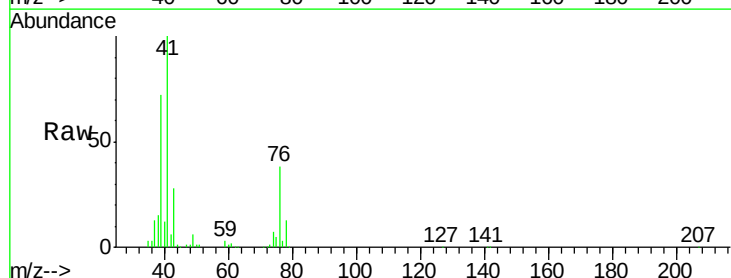
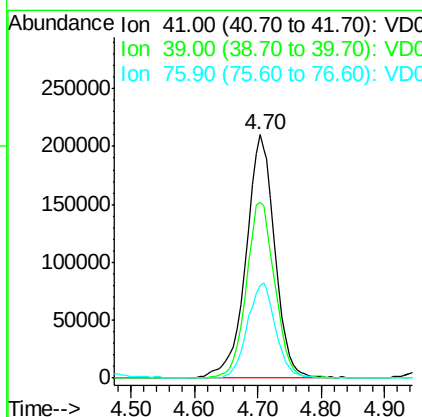
Manual Integrations
APPROVED

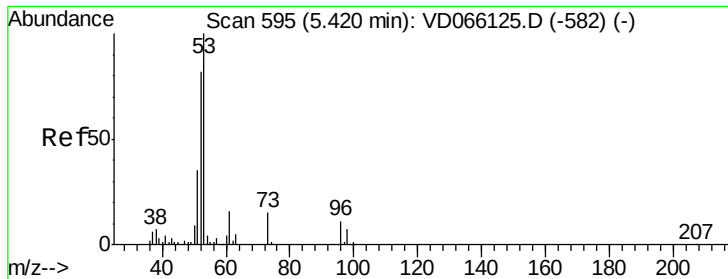
MMDadoda
8/6/2020 1:54:29 PM



#14
Allyl chloride
Concen: 143.133 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	41	39	76	Ratio	Lower	Upper
666958	100	71.2	37.5		57.4	86.0





#15

Acrylonitrile

Concen: 755.583 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

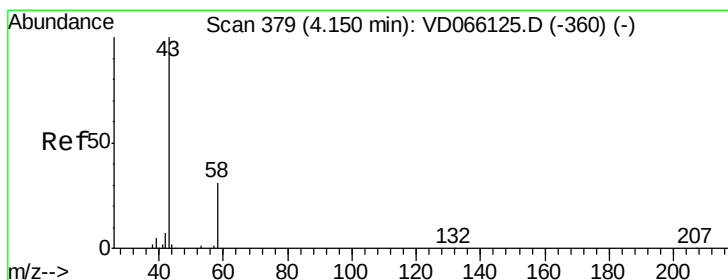
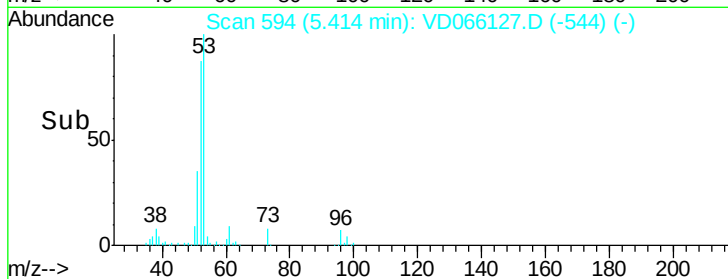
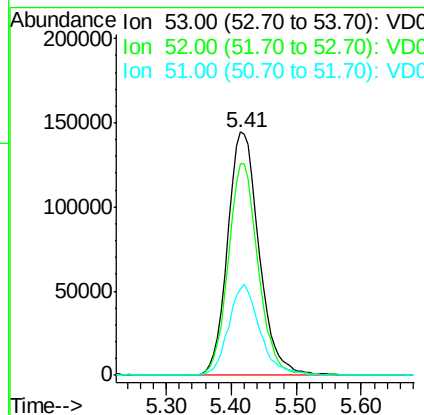
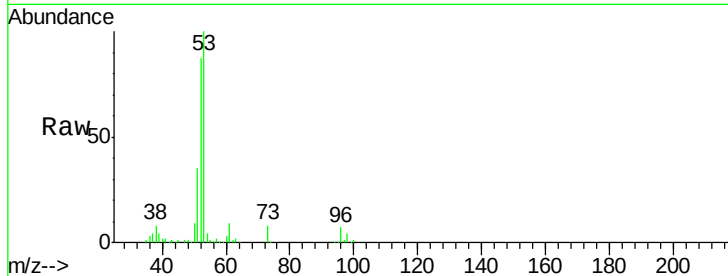
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	484989
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.0	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#16

Acetone

Concen: 704.337 ug/l

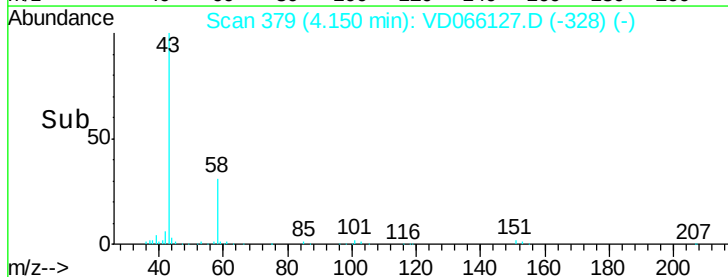
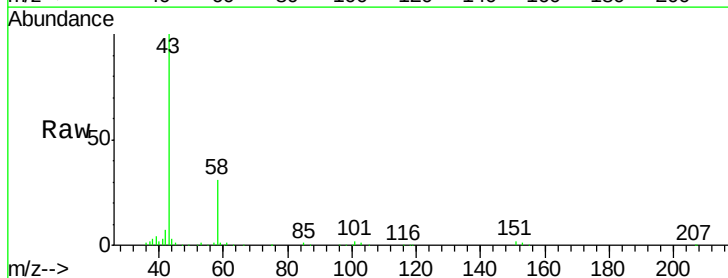
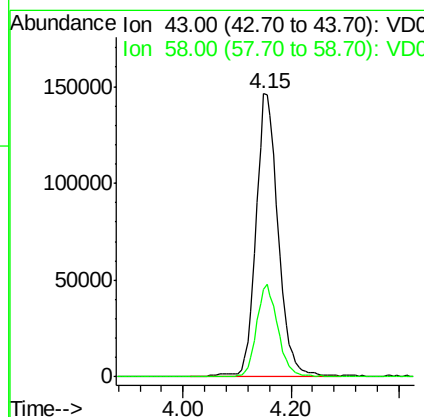
RT: 4.15 min Scan# 379

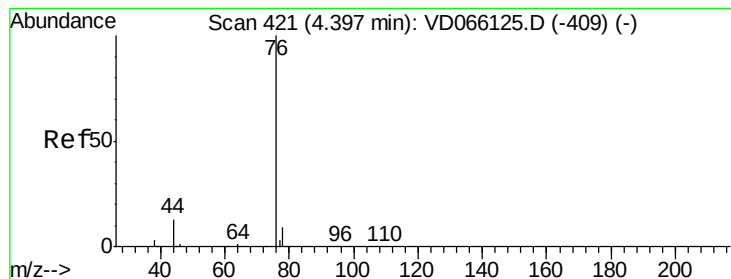
Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tgt Ion:	43	Resp:	415363
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.7	37.1





#17

Carbon Disulfide

Concen: 137.874 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1362677

Ion Ratio Lower Upper

76 100

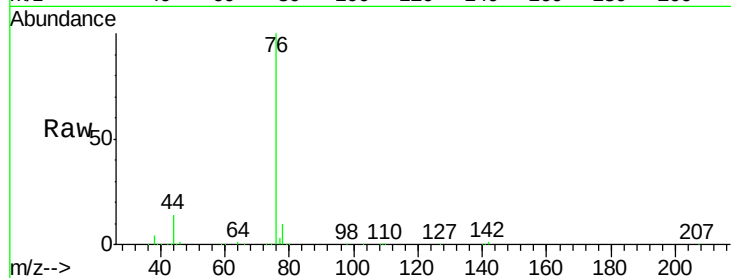
78 9.7 7.5 11.3

Manual Integrations

APPROVED

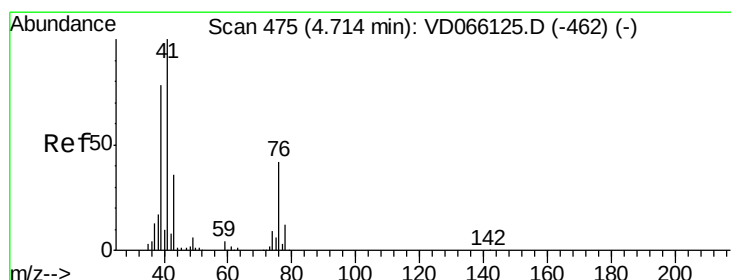
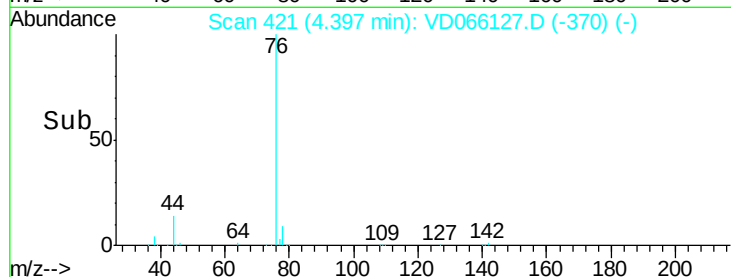
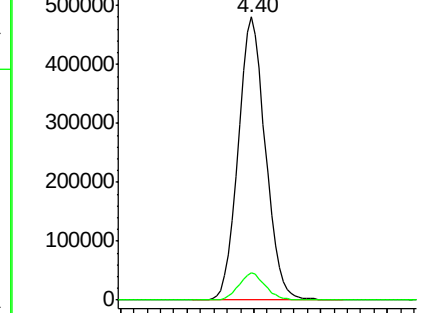
MMDadoda

8/6/2020 1:54:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 137.027 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066127.D

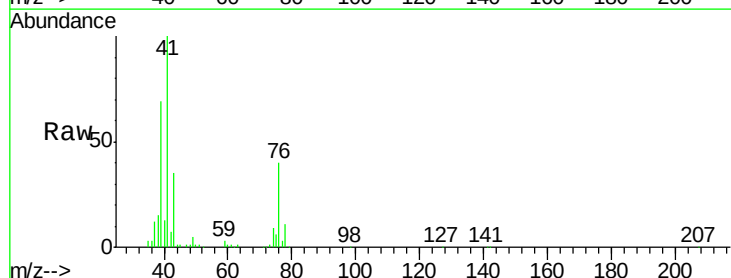
Acq: 05 Aug 2020 12:54

Tgt Ion: 43 Resp: 207255

Ion Ratio Lower Upper

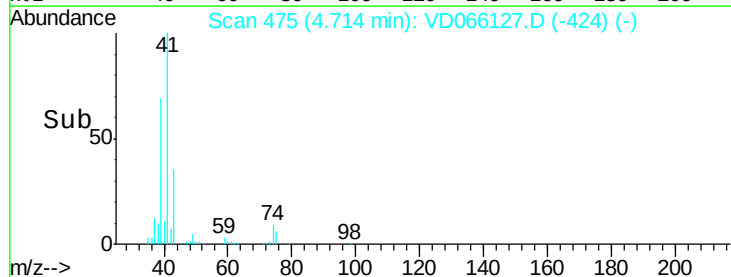
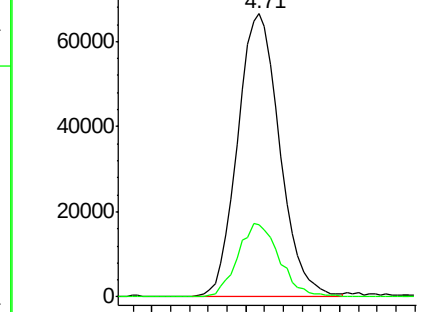
43 100

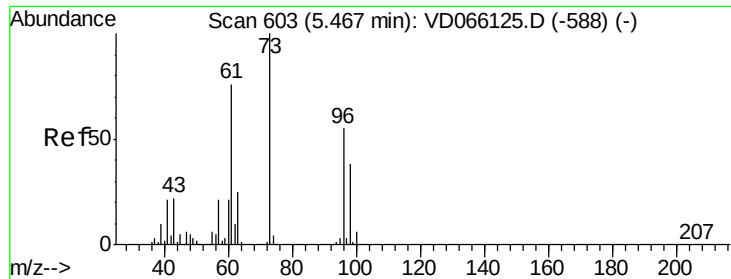
74 25.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





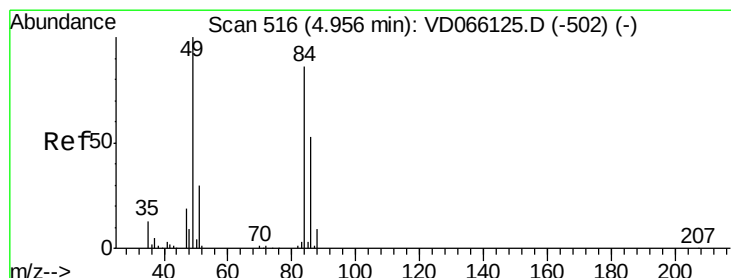
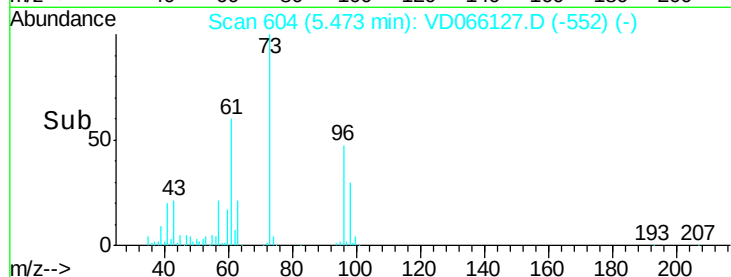
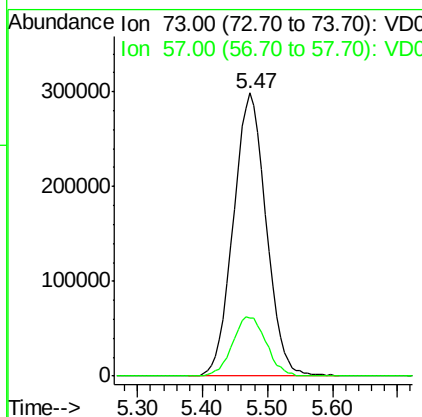
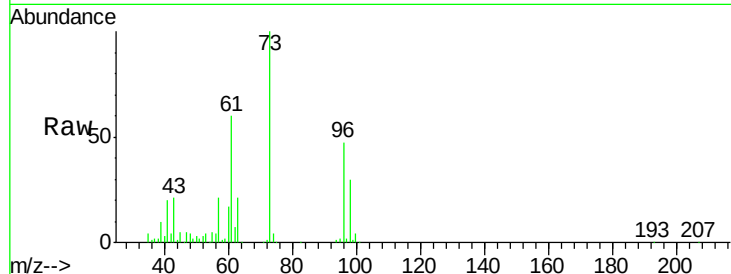
#19
Methyl tert-butyl Ether
Concen: 150.081 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1043858
Ion Ratio Lower Upper
73 100
57 20.8 17.1 25.7

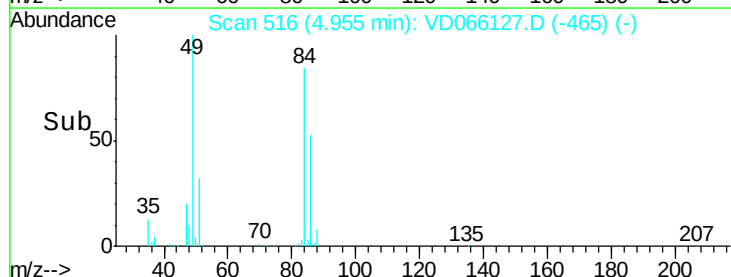
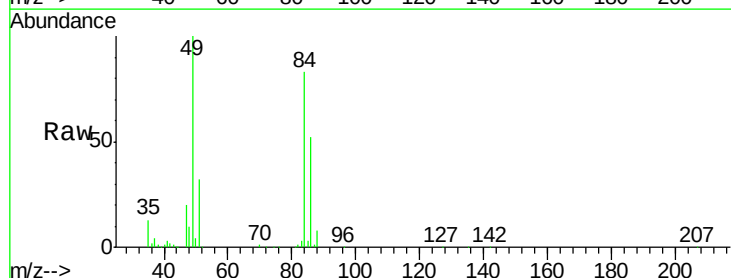
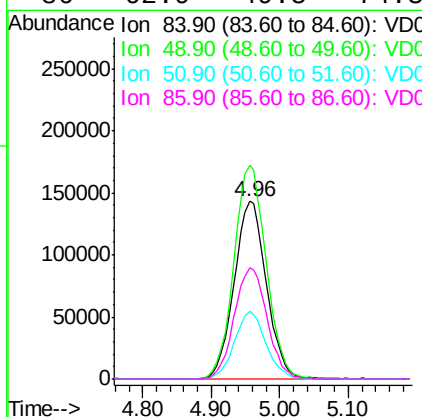
Manual Integrations
APPROVED

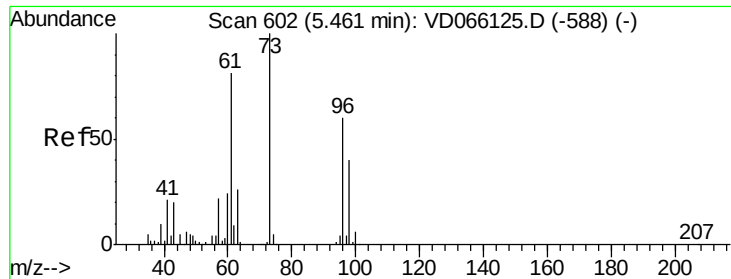
MMDadoda
8/6/2020 1:54:29 PM



#20
Methylene Chloride
Concen: 107.676 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion: 84 Resp: 468349
Ion Ratio Lower Upper
84 100
49 120.4 93.5 140.3
51 38.1 28.2 42.4
86 62.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 138.119 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

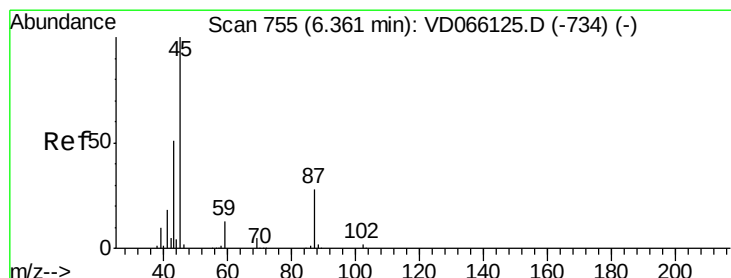
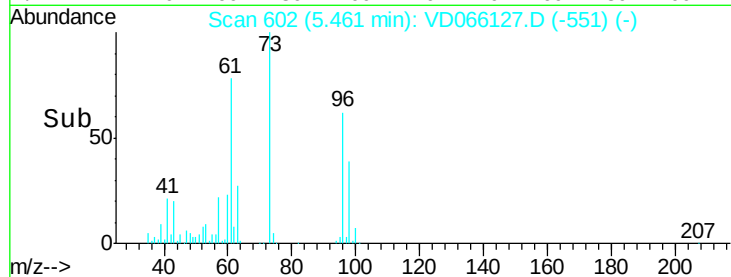
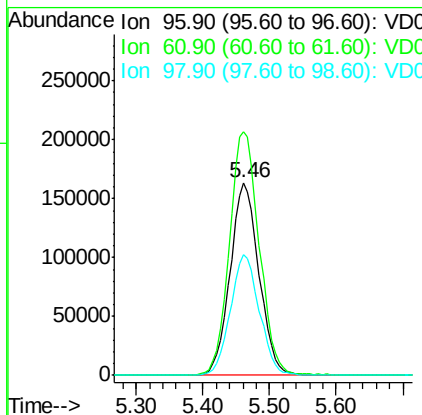
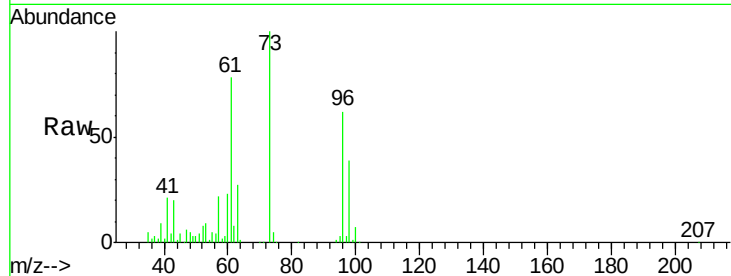
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	493587
Ion	Ratio	Lower	Upper
96	100		
61	126.5	106.9	160.3
98	62.4	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#22

Diisopropyl ether

Concen: 143.311 ug/l

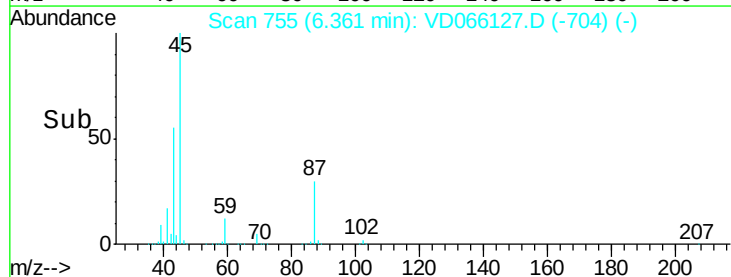
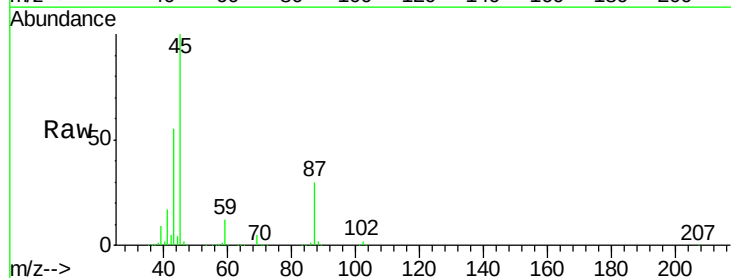
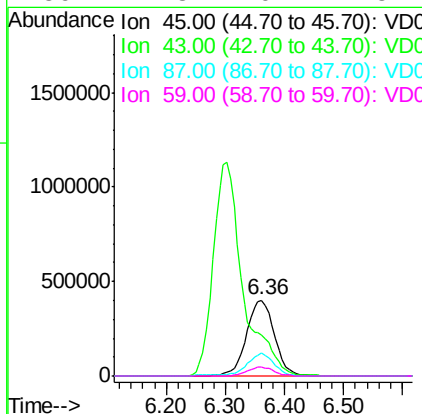
RT: 6.36 min Scan# 755

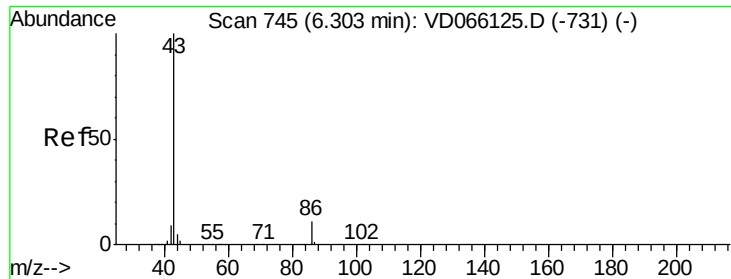
Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tgt Ion:	45	Resp:	1319729
Ion	Ratio	Lower	Upper
45	100		
43	54.1	41.2	61.8
87	30.3	22.8	34.2
59	11.8	10.2	15.2





#23

Vinyl Acetate

Concen: 741.906 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3953858

Ion Ratio Lower Upper

43 100

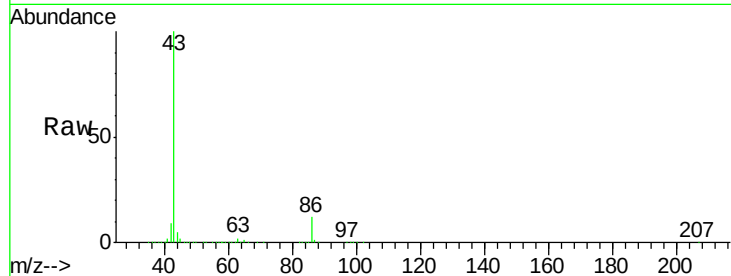
86 11.7 9.1 13.7

Manual Integrations

APPROVED

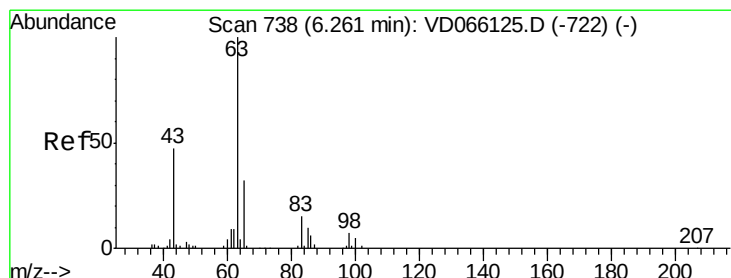
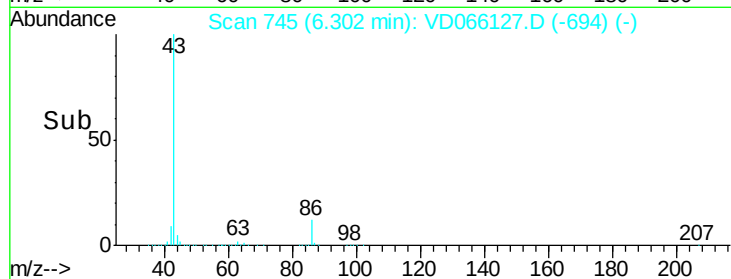
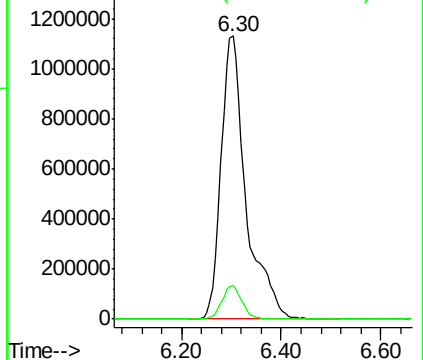
MMDadoda

8/6/2020 1:54:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 139.480 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

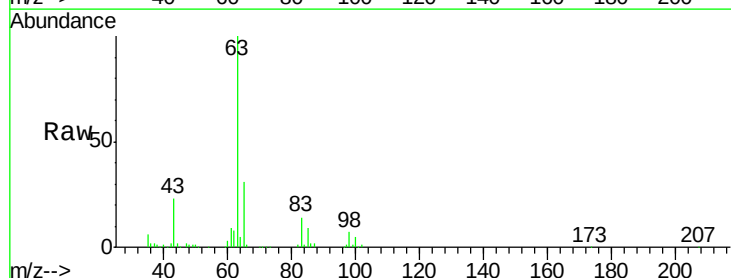
Tgt Ion: 63 Resp: 801305

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

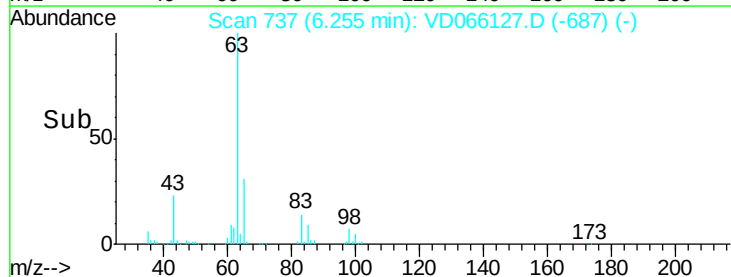
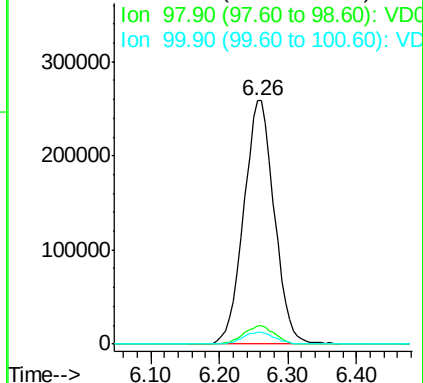
100 4.9 2.4 7.2

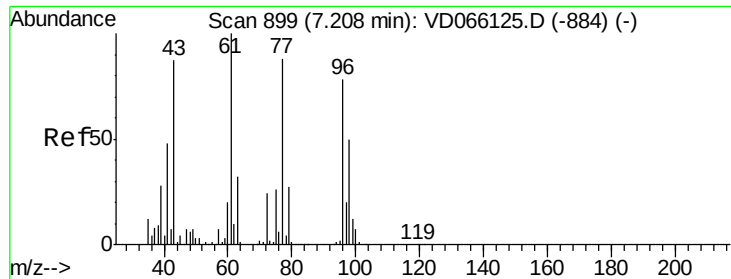


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 696.872 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 607994

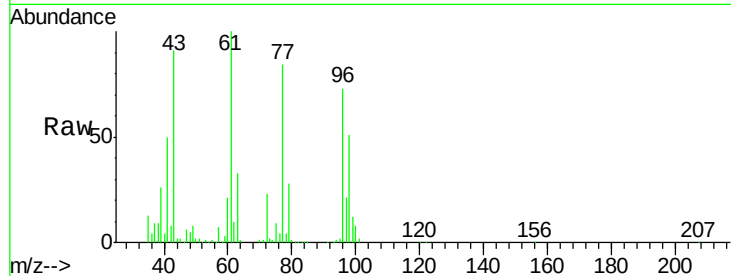
Ion Ratio Lower Upper

43 100

72 25.6 22.2 33.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

250000

200000

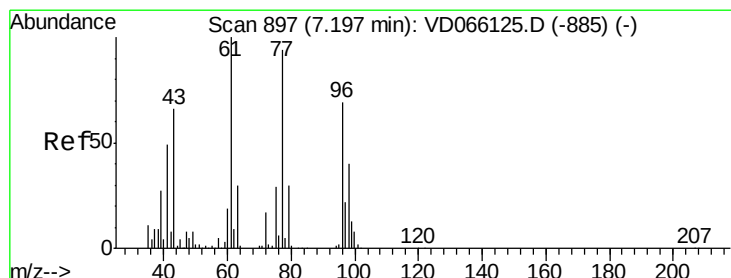
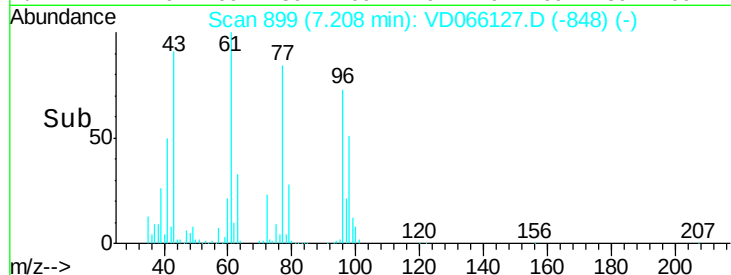
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 129.690 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066127.D

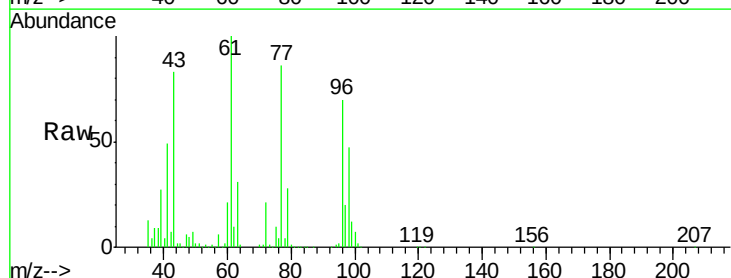
Acq: 05 Aug 2020 12:54

Tgt Ion: 77 Resp: 682051

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

250000

200000

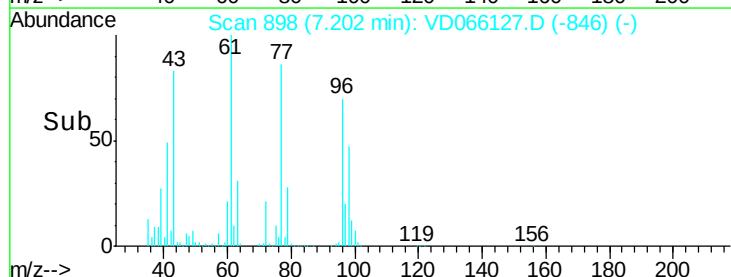
150000

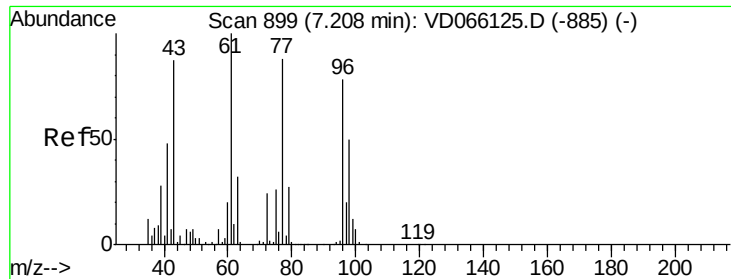
100000

50000

0

Time-->





#27

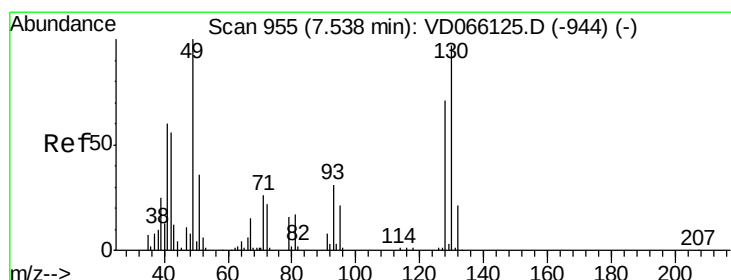
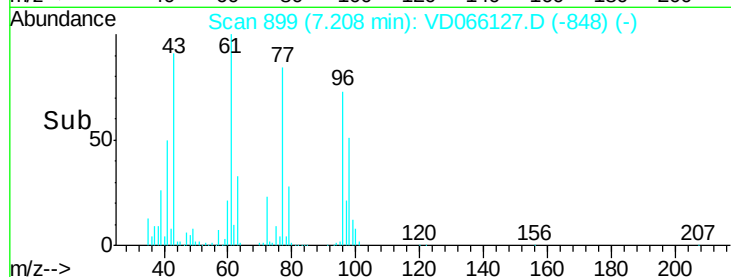
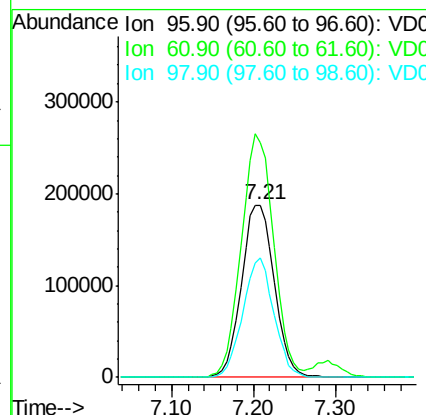
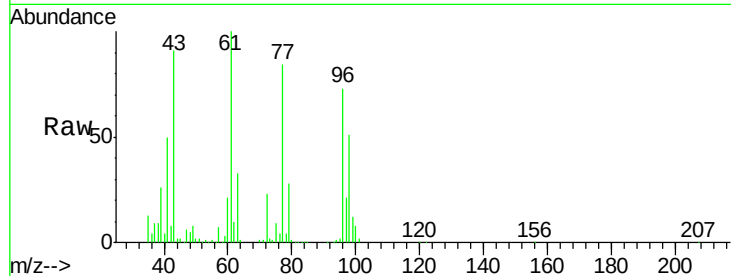
cis-1,2-Dichloroethene
Concen: 142.023 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	525234		
61	139.0		0.0	281.6
98	65.5		0.0	130.8

Manual Integrations
APPROVED

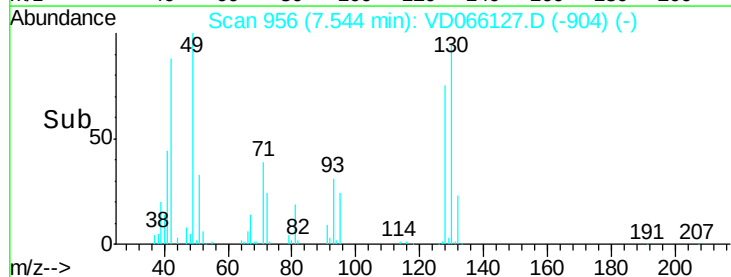
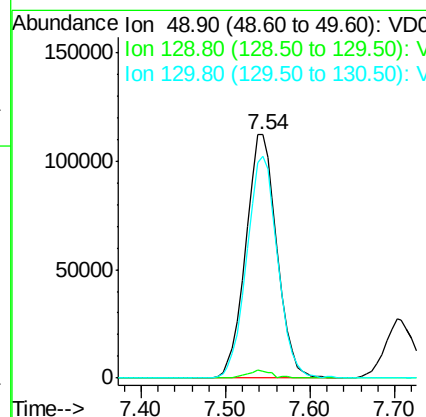
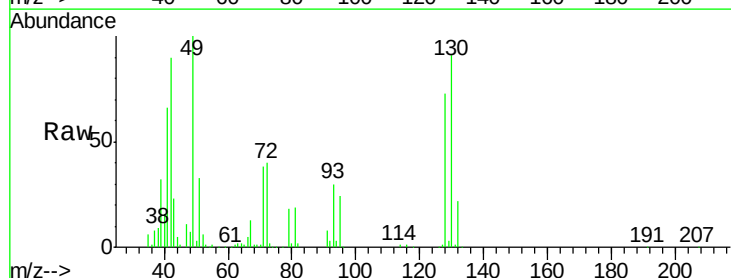
MMDadoda
8/6/2020 1:54:29 PM

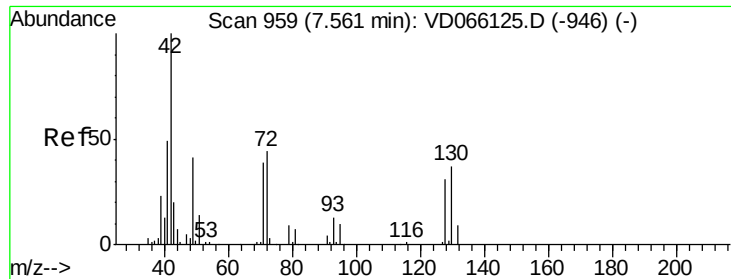


#28

Bromochloromethane
Concen: 143.253 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	287621		
129	2.5		0.0	6.0
130	90.5		73.8	110.6





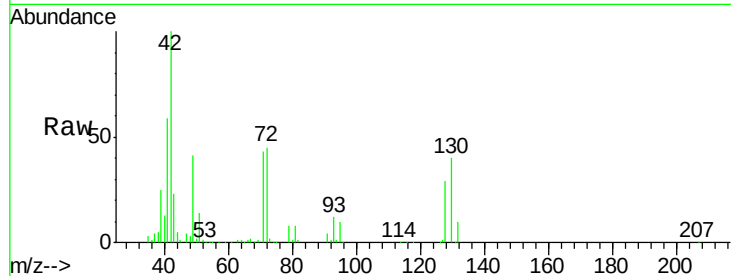
#29
Tetrahydrofuran
Concen: 738.498 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

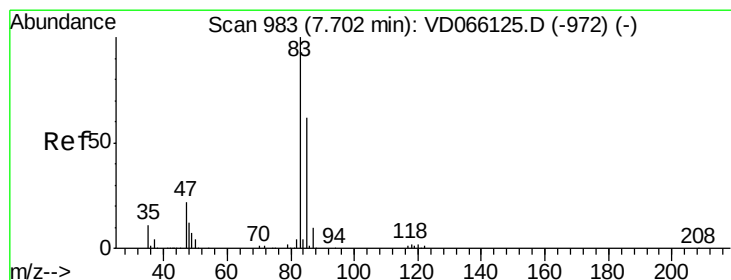
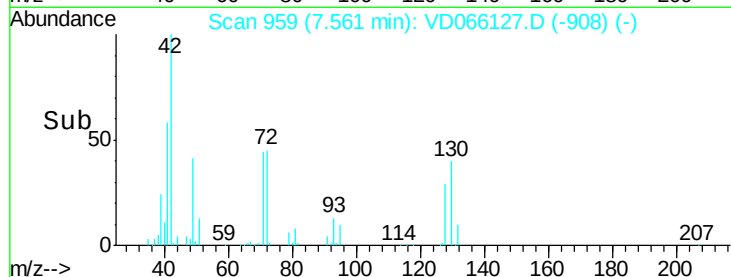
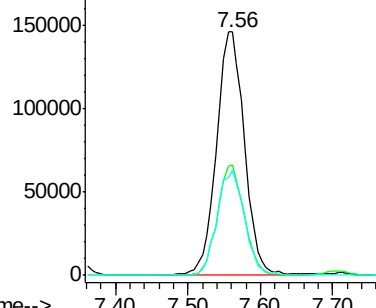
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.8	52.2
71	42.2	33.5	50.3

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM

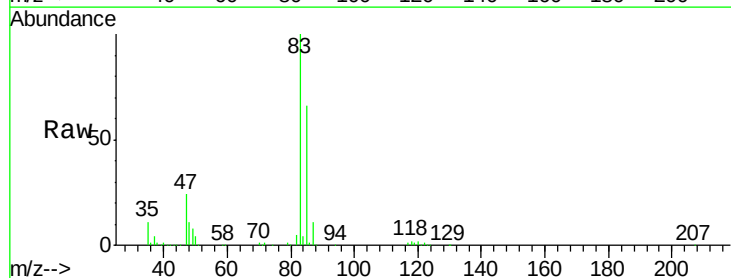


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

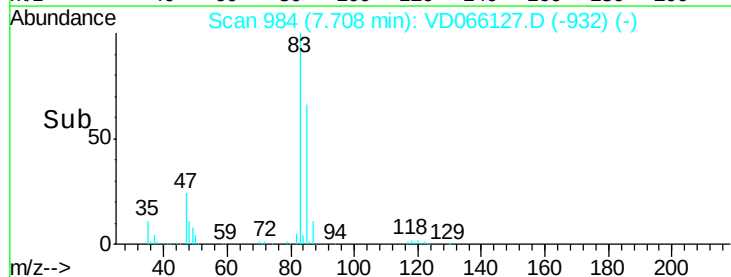
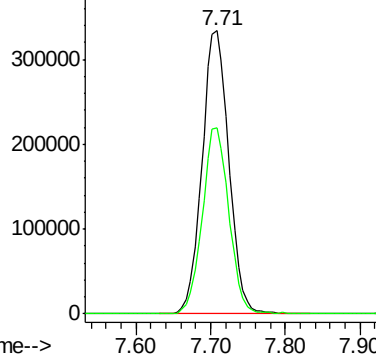


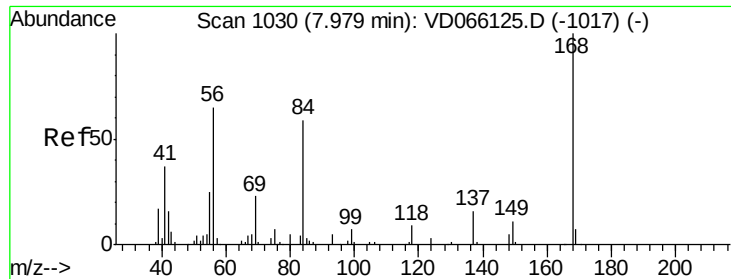
#30
Chloroform
Concen: 138.124 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.5	74.3



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





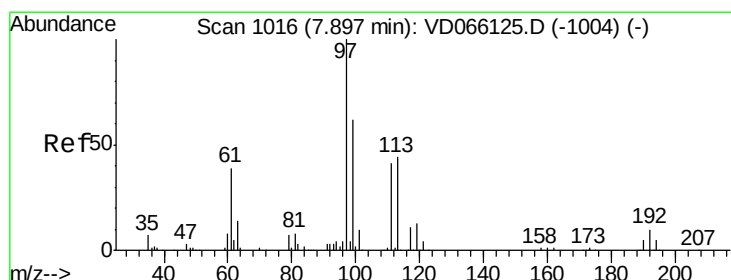
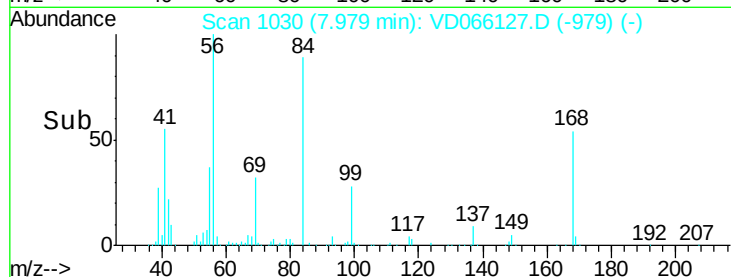
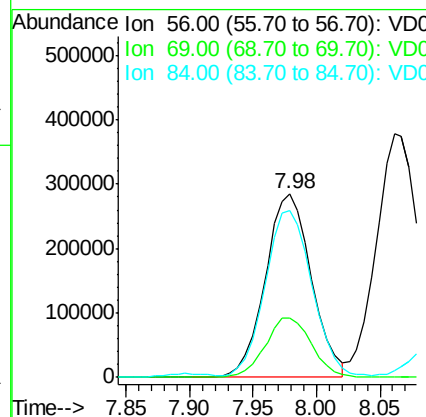
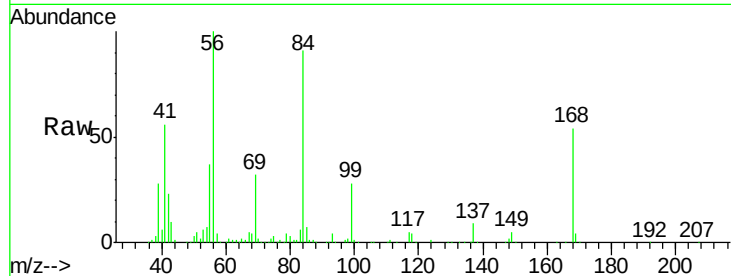
#31
Cyclohexane
Concen: 128.605 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	28.8	43.2
84	89.1	73.0	109.6

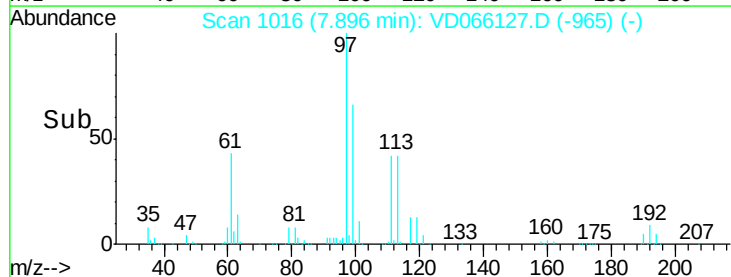
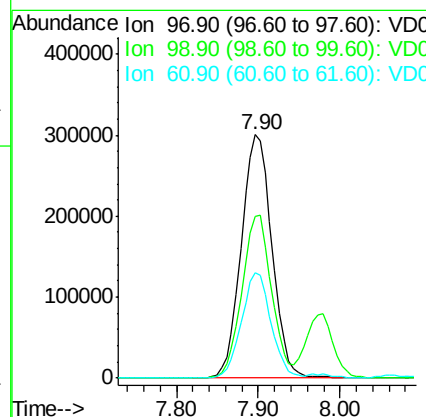
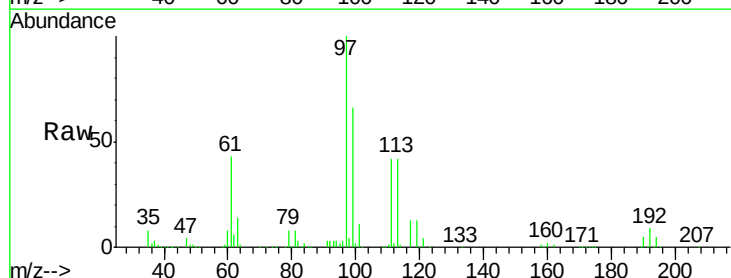
Manual Integrations
APPROVED

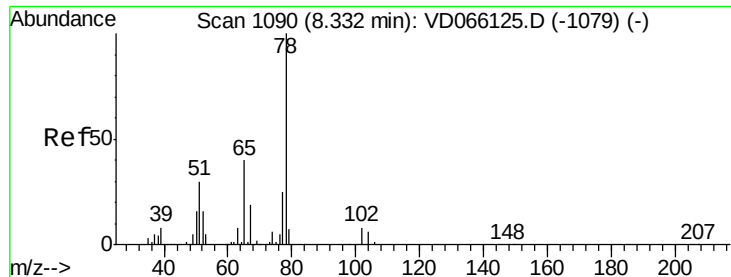
MMDadoda
8/6/2020 1:54:29 PM



#32
1,1,1-Trichloroethane
Concen: 138.431 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.1	76.7
61	41.7	32.7	49.1





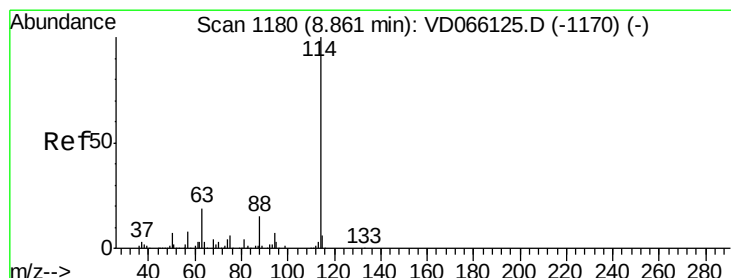
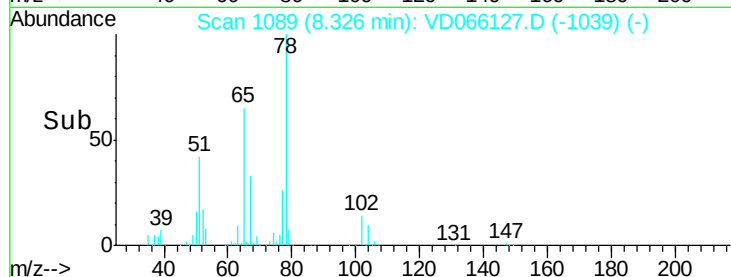
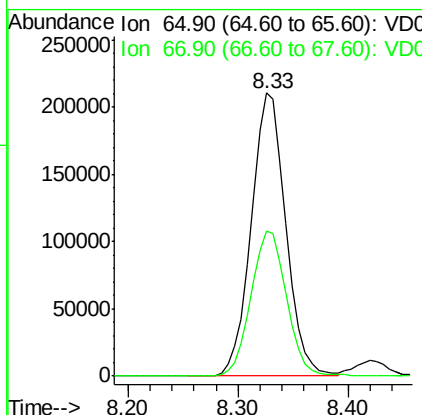
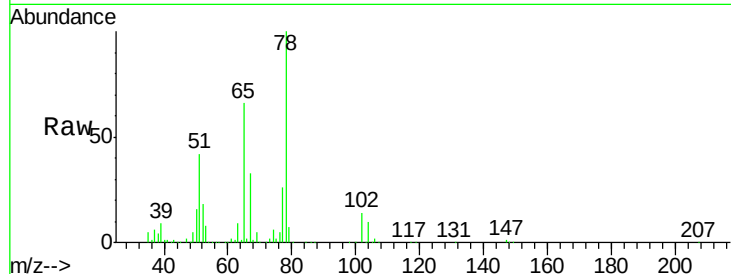
#33
 1,2-Dichloroethane-d4
 Concen: 150.808 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	462513		
67	52.8	0.0	104.6	

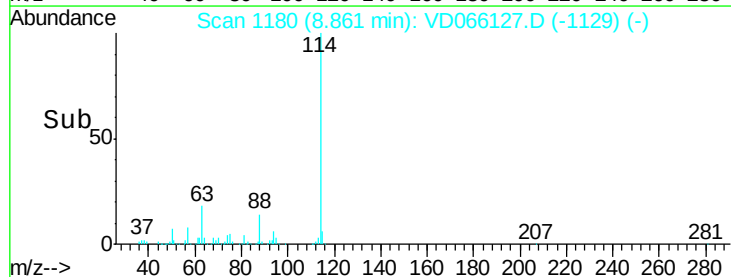
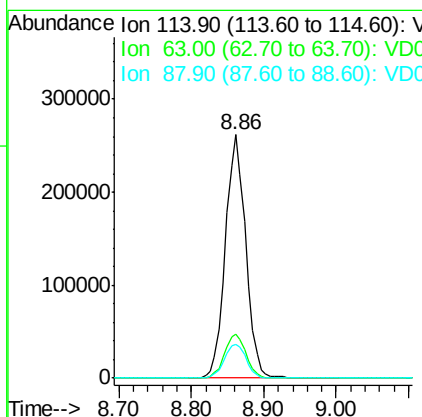
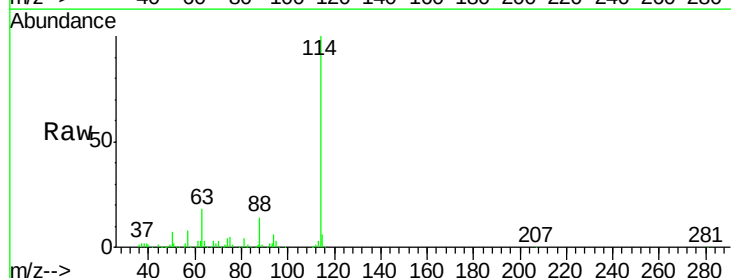
Manual Integrations
 APPROVED

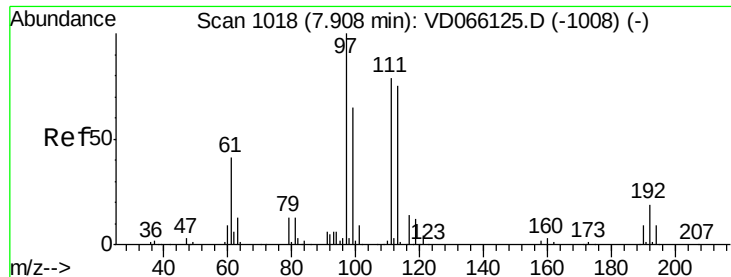
MMDadoda
 8/6/2020 1:54:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	510456		
63	18.1	0.0	38.6	
88	14.0	0.0	30.0	





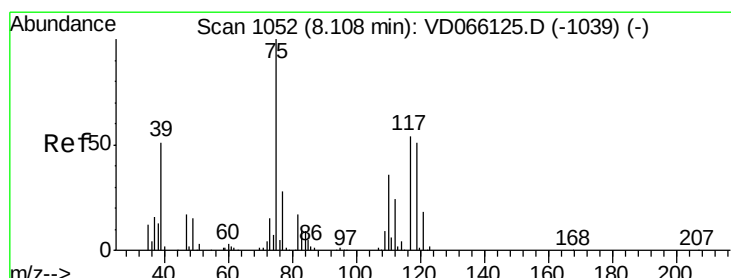
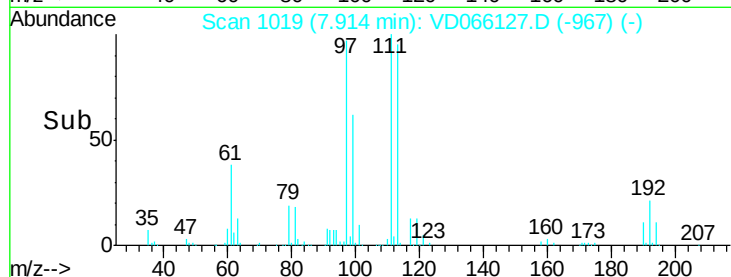
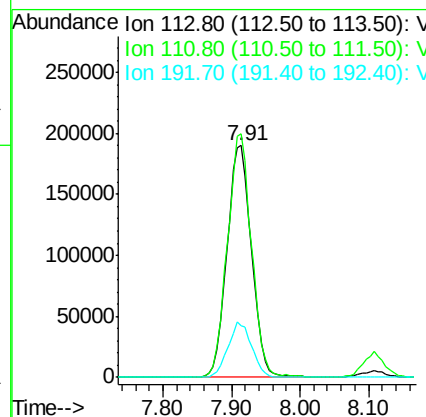
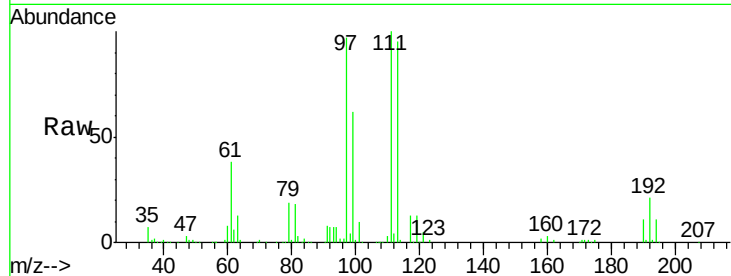
#35
 Dibromofluoromethane
 Concen: 144.062 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	470132		
111	103.1	80.7	121.1	
192	23.2	18.4	27.6	

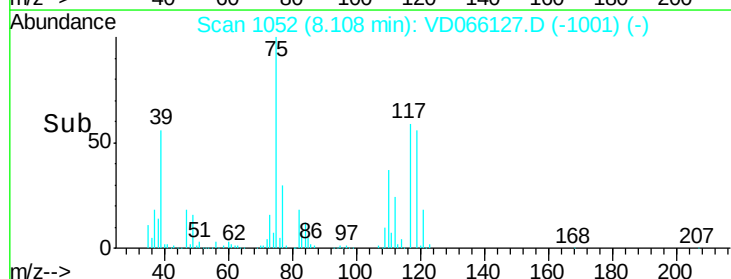
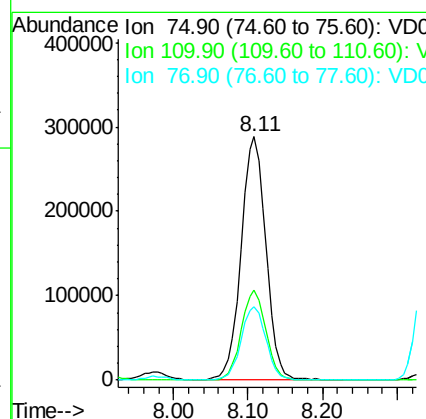
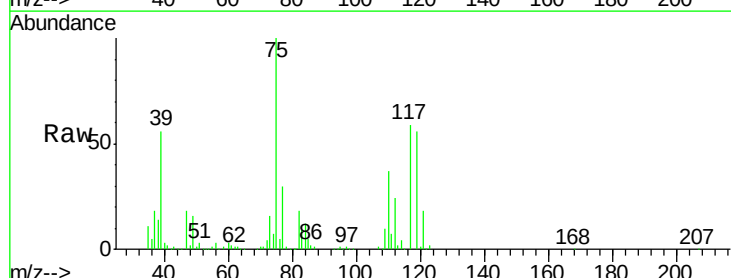
Manual Integrations
 APPROVED

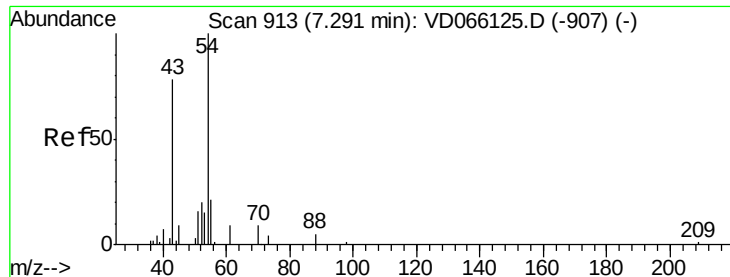
MMDadoda
 8/6/2020 1:54:29 PM



#36
 1,1-Dichloropropene
 Concen: 134.688 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	663603		
110	36.7	18.8	56.3	
77	30.7	24.2	36.2	





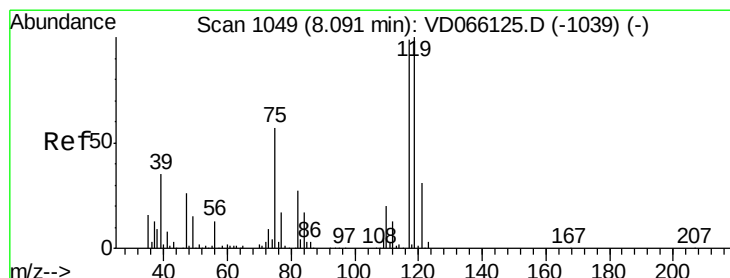
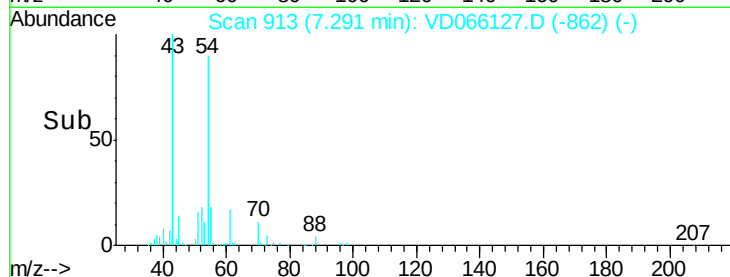
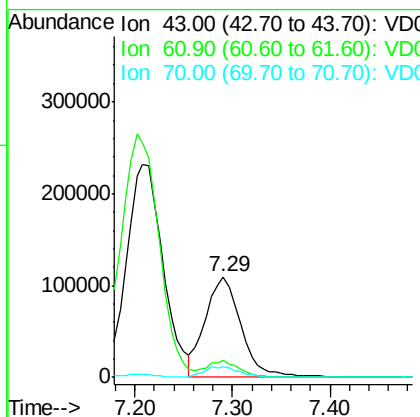
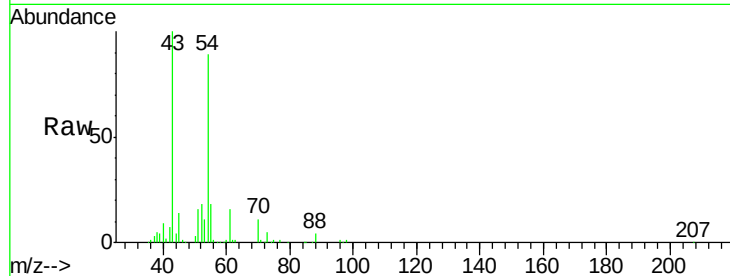
#37
Ethyl Acetate
Concen: 144.488 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	276257
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.7	9.7	14.5

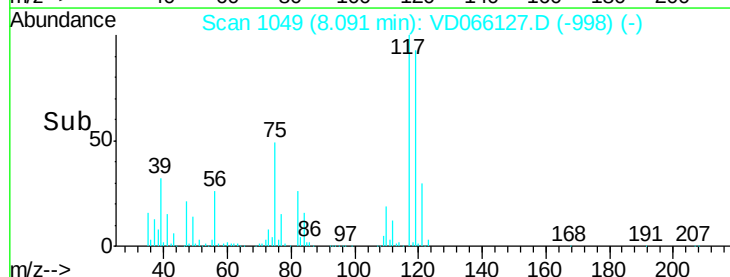
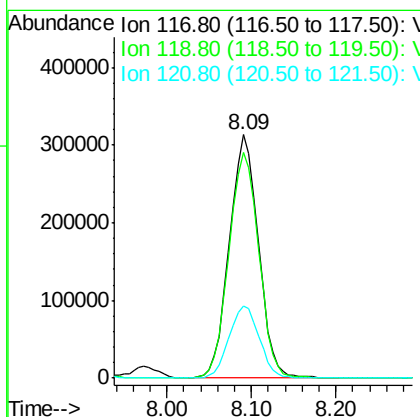
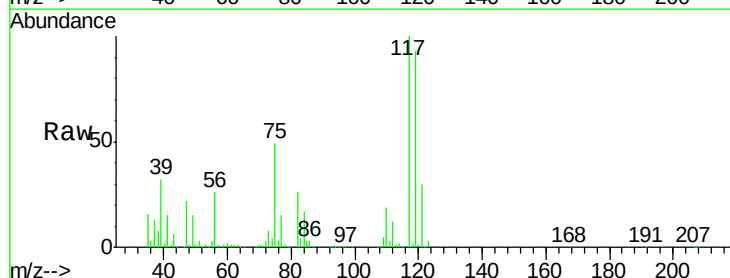
Manual Integrations
APPROVED

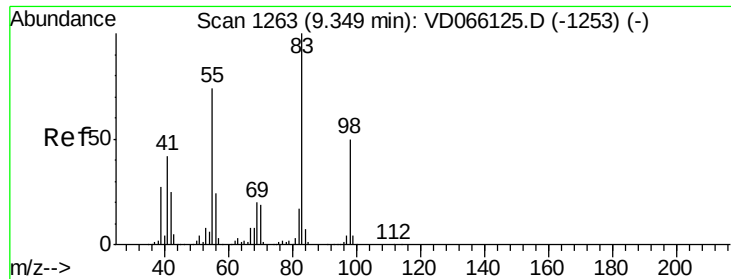
MMDadoda
8/6/2020 1:54:29 PM



#38
Carbon Tetrachloride
Concen: 135.568 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	117	Resp	742564
Ion	Ratio	Lower	Upper
117	100		
119	92.7	81.0	121.4
121	29.7	24.8	37.2





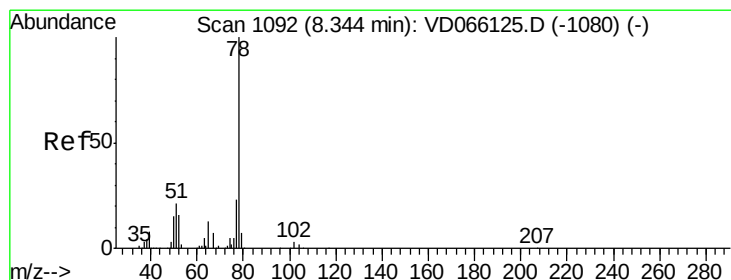
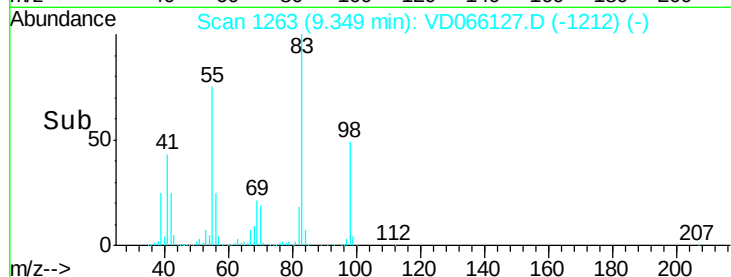
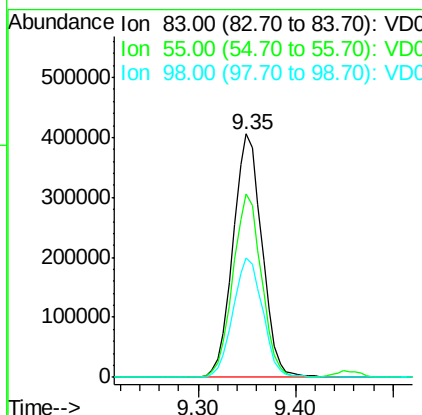
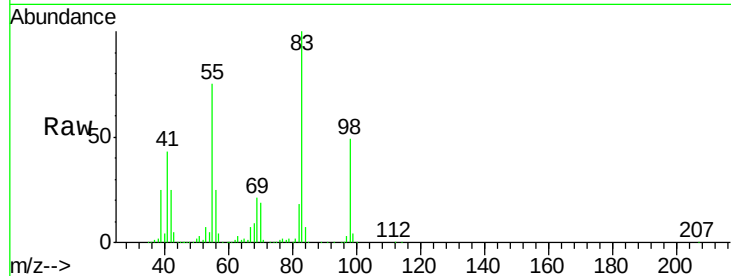
#39
Methylvlcyclohexane
Concen: 143.558 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	839327
Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.2	88.8
98	49.0	39.8	59.6

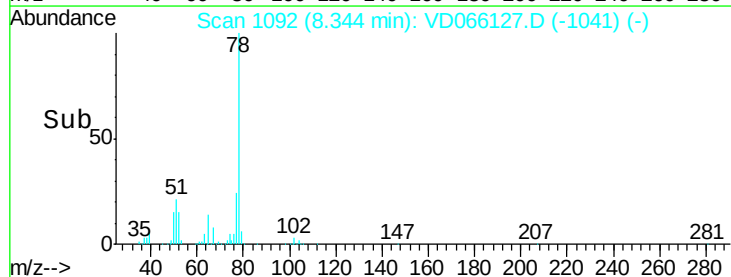
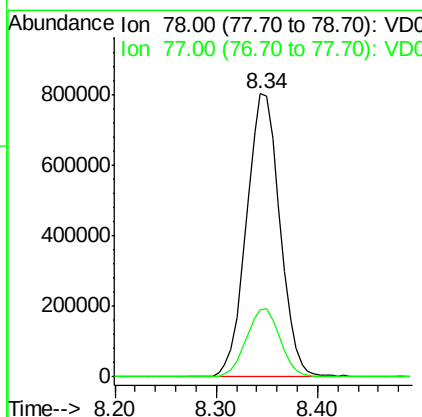
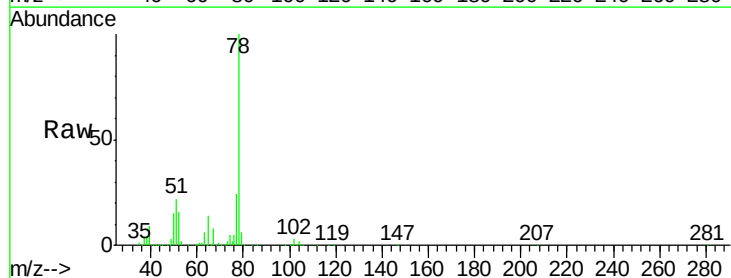
Manual Integrations
APPROVED

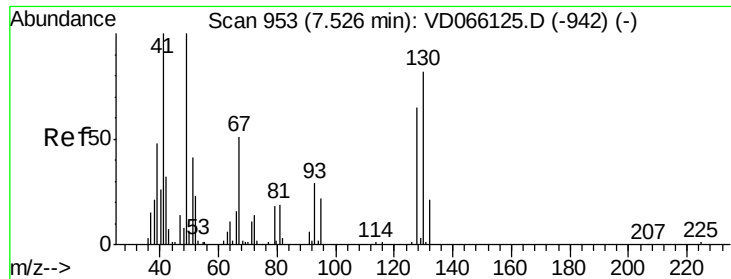
MMDadoda
8/6/2020 1:54:29 PM



#40
Benzene
Concen: 134.177 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	78	Resp	1834522
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8





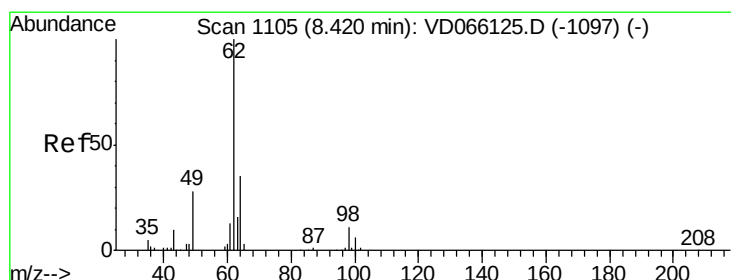
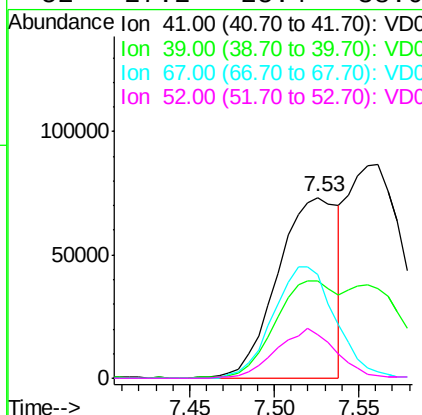
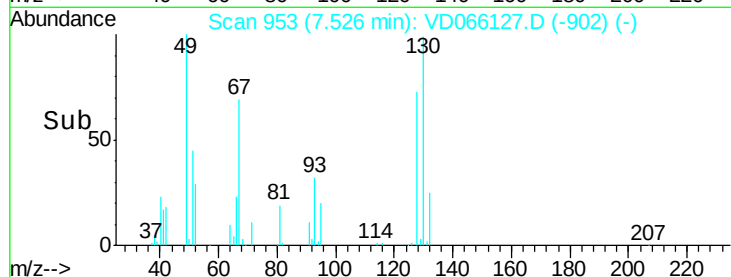
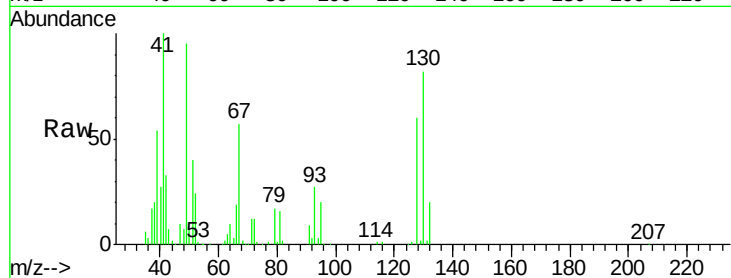
#41
Methacrylonitrile
Concen: 167.303 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	47.5	71.3	
67	64.0	59.1	88.7	
52	27.2	25.4	38.0	

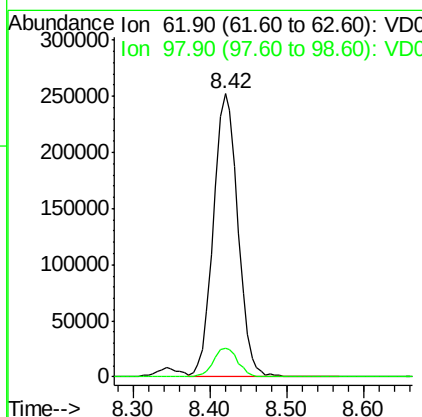
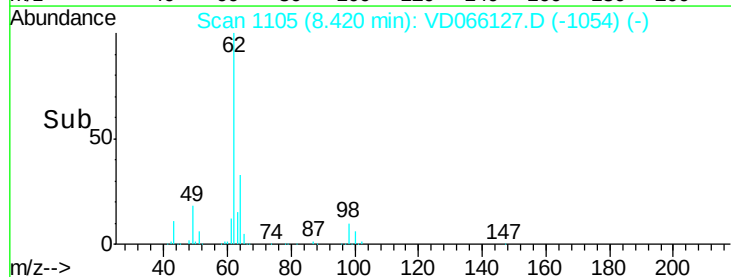
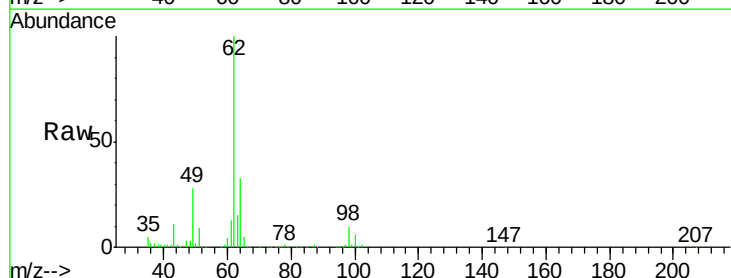
Manual Integrations
APPROVED

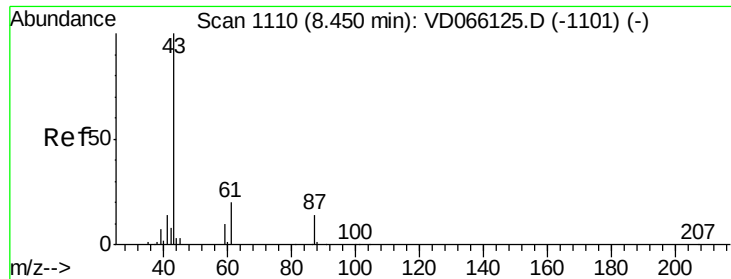
MMDadoda
8/6/2020 1:54:29 PM



#42
1,2-Dichloroethane
Concen: 138.274 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





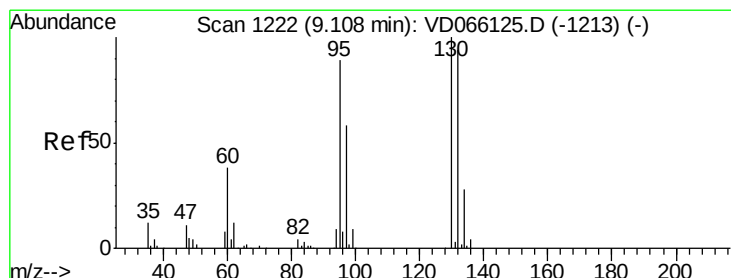
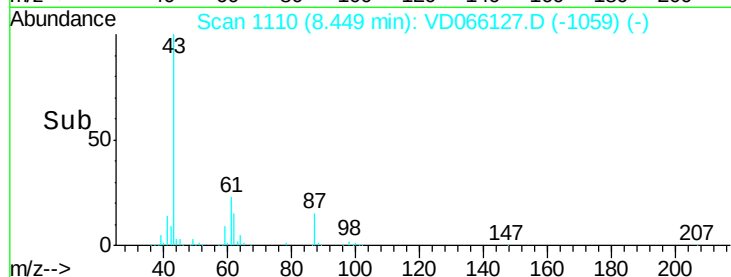
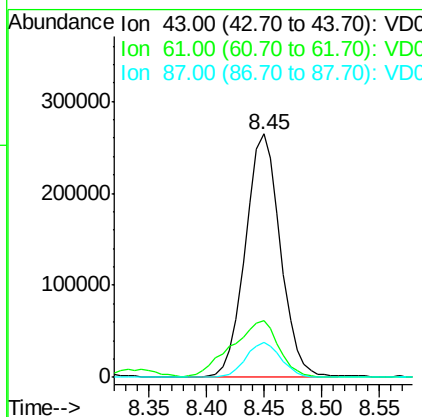
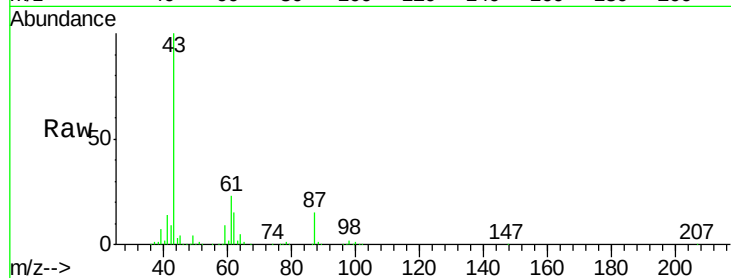
#43
Isopropyl Acetate
Concen: 149.070 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	556964
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	14.5	11.2	16.8

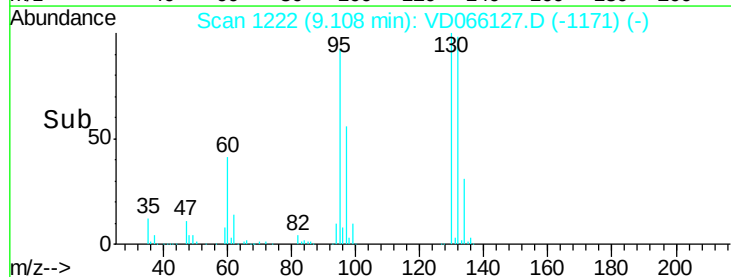
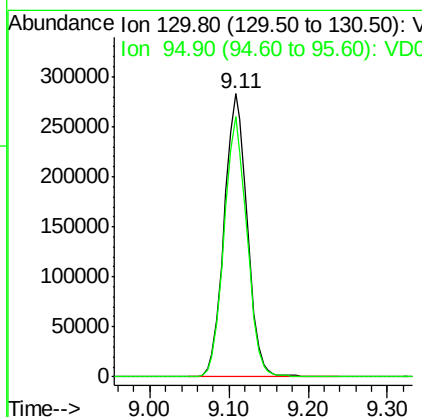
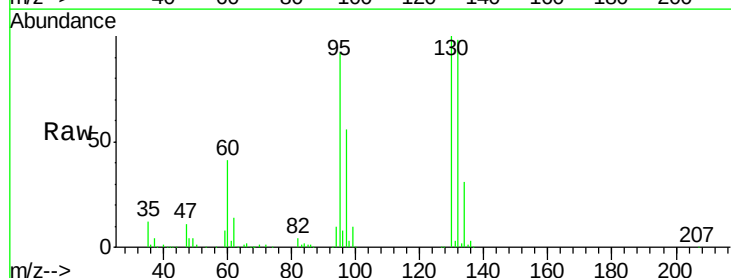
Manual Integrations
APPROVED

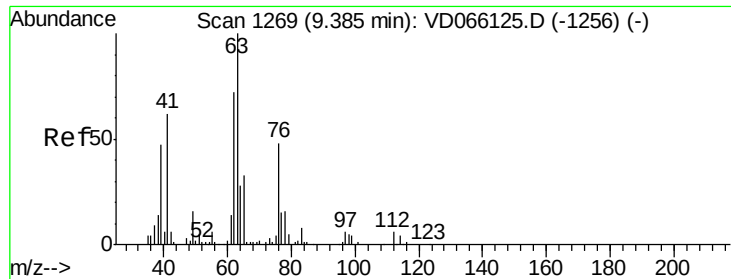
MMDadoda
8/6/2020 1:54:29 PM



#44
Trichloroethene
Concen: 138.775 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion:	130	Resp:	566977
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	178.4





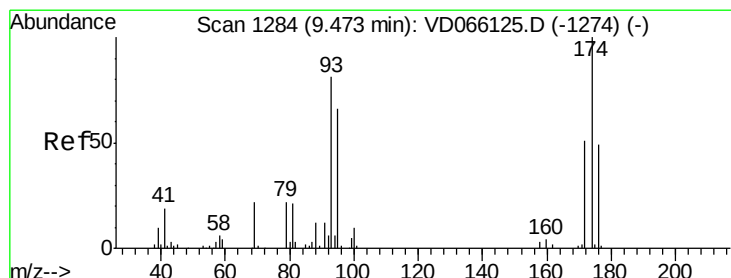
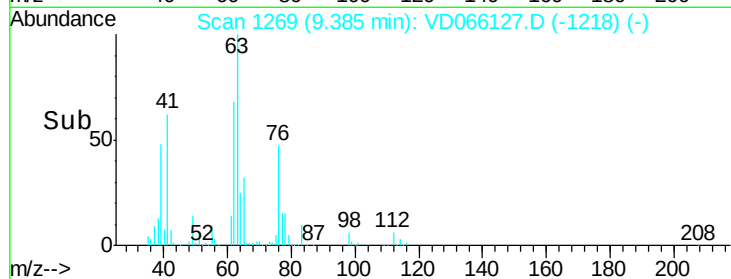
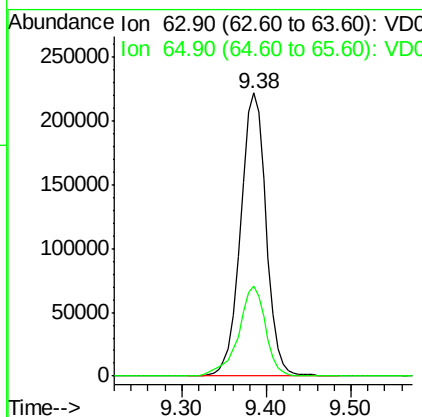
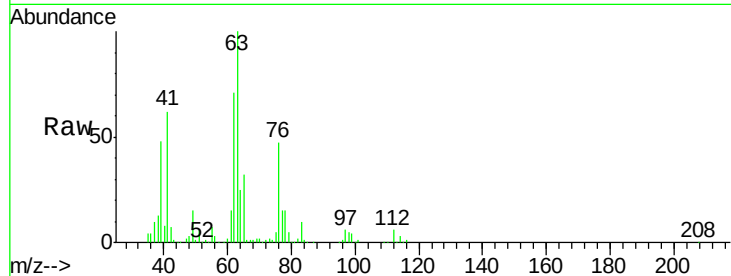
#45
 1,2-Dichloropropane
 Concen: 139.819 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 462788
 Ion Ratio Lower Upper
 63 100
 65 32.0 26.5 39.7

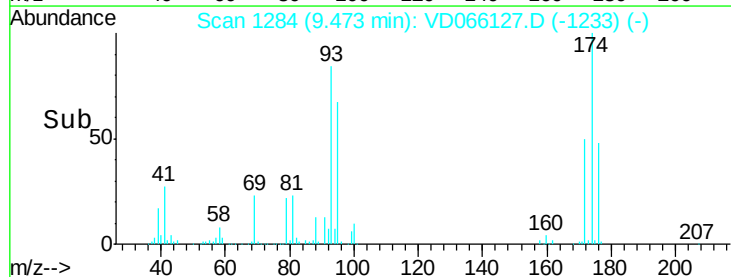
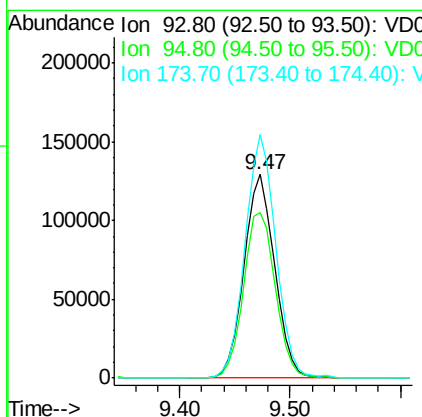
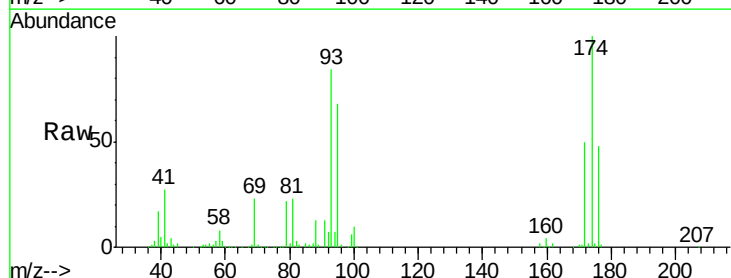
Manual Integrations
 APPROVED

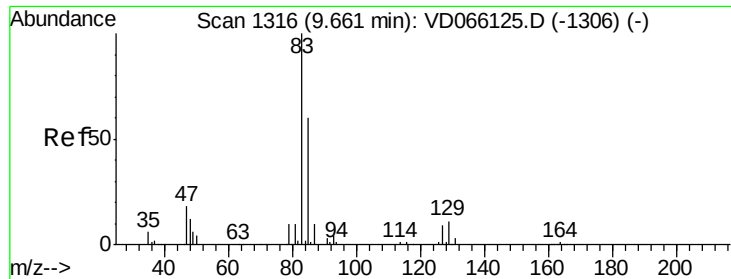
MMDadoda
 8/6/2020 1:54:29 PM



#46
 Dibromomethane
 Concen: 139.391 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion: 93 Resp: 253676
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.8 98.6
 174 119.5 92.8 139.2





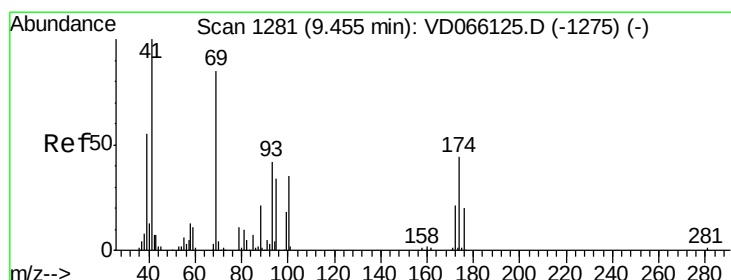
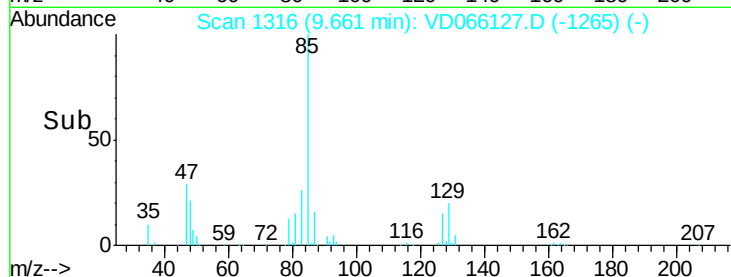
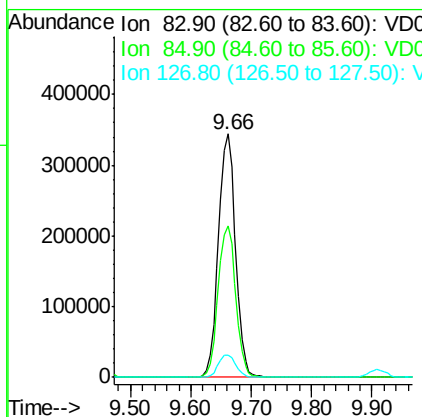
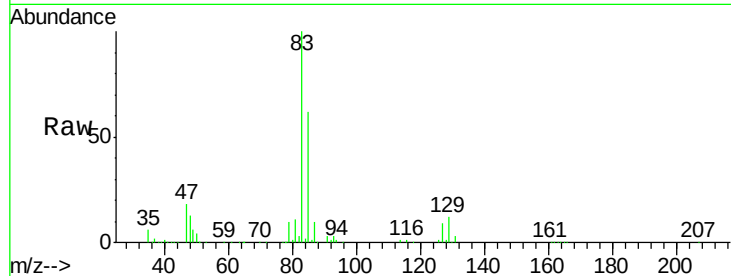
#47
Bromodichloromethane
Concen: 140.017 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	673800
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	48.2	72.4
127	9.2	7.3	10.9

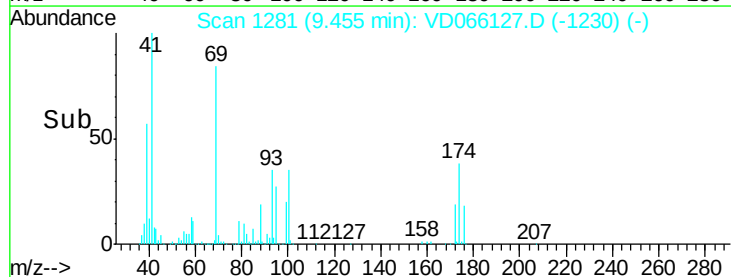
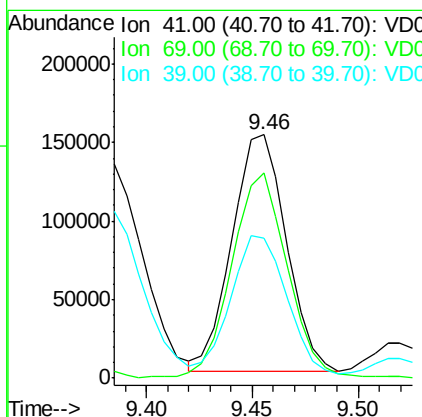
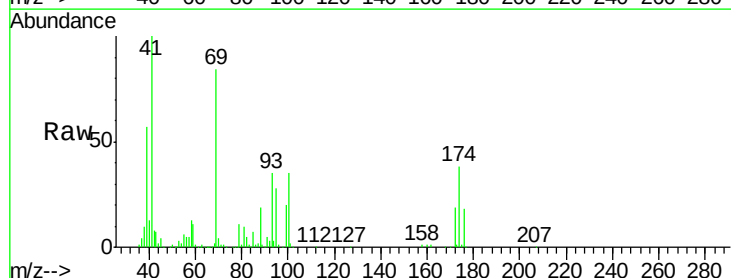
Manual Integrations
APPROVED

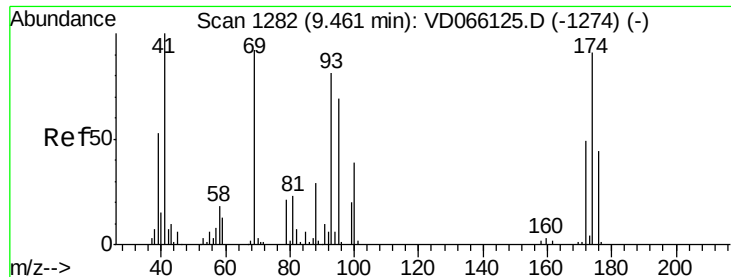
MMDadoda
8/6/2020 1:54:29 PM



#48
Methyl methacrylate
Concen: 136.740 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	41	Resp	269096
Ion Ratio	100	Lower	Upper
41	100		
69	89.2	63.9	95.9
39	58.9	42.6	64.0





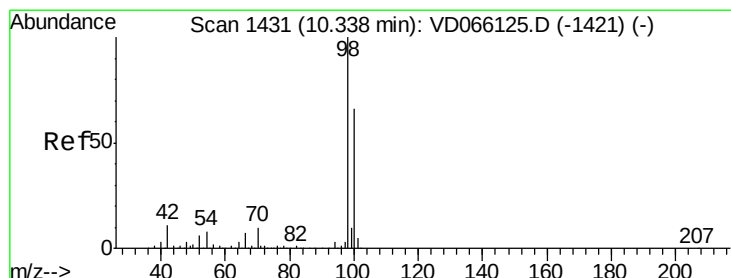
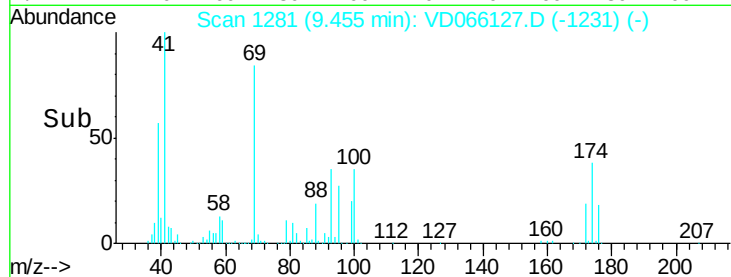
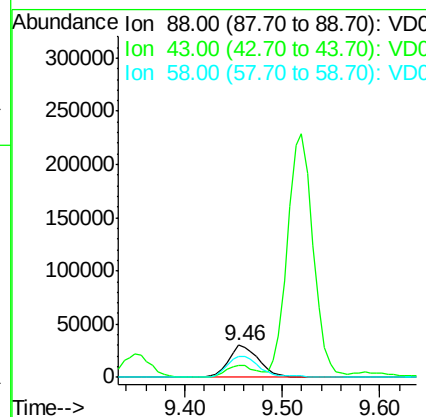
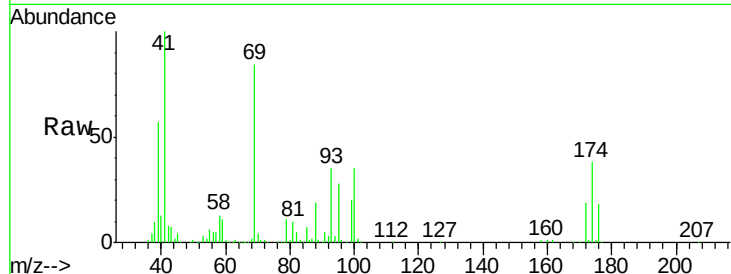
#49
1,4-Dioxane
Concen: 2788.499 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	65084
Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.5	41.3
58	73.2	50.2	75.4

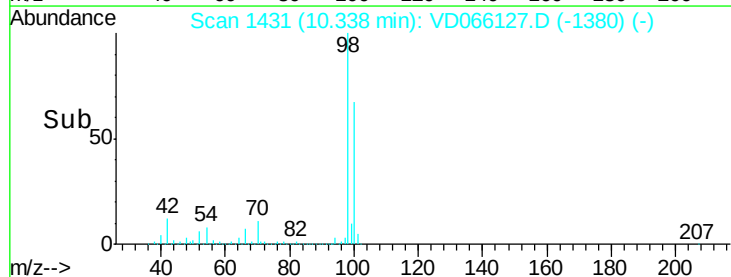
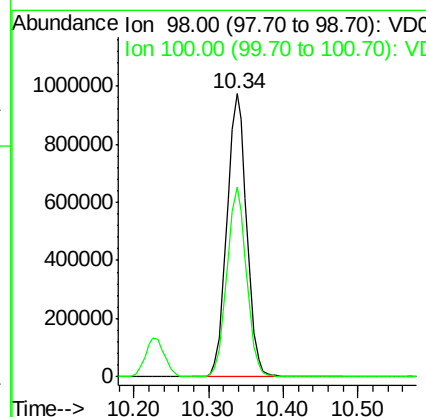
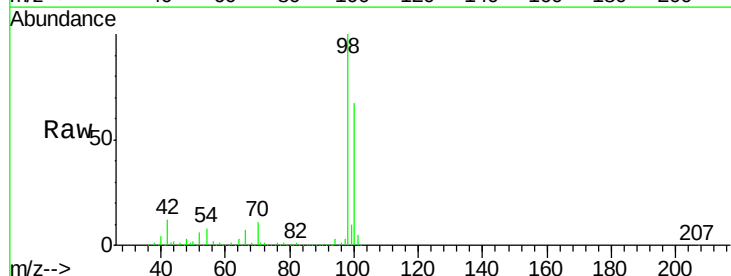
Manual Integrations
APPROVED

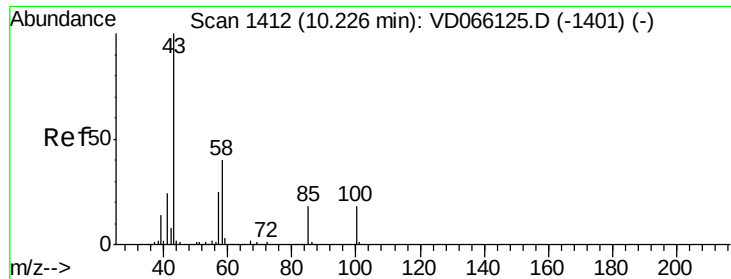
MMDadoda
8/6/2020 1:54:29 PM



#50
Toluene-d8
Concen: 150.686 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	98	Resp	1795678
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





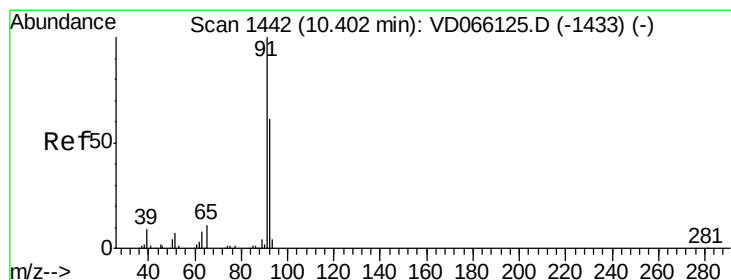
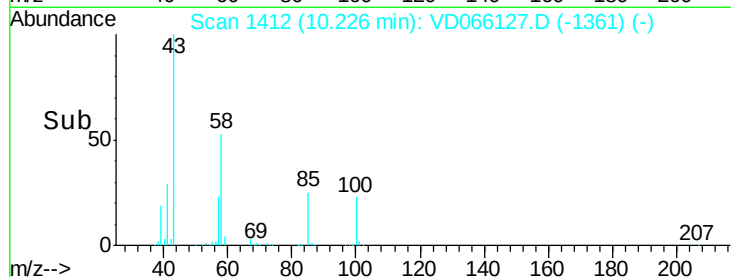
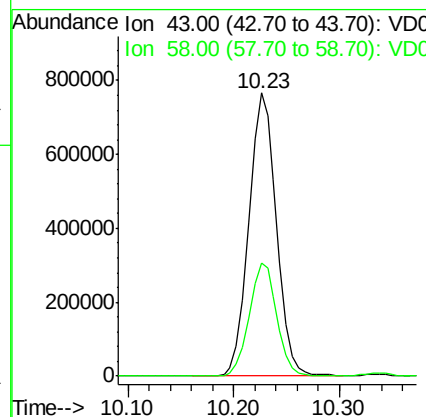
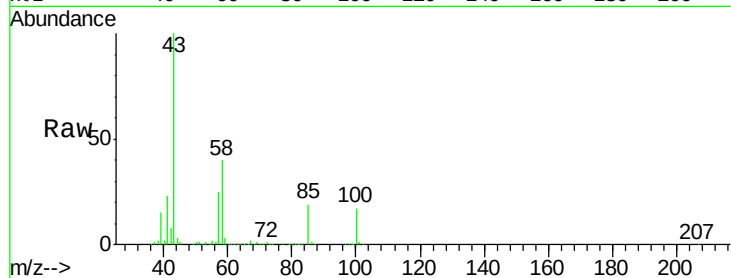
#51
4-Methyl-2-Pentanone
Concen: 712.971 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1388151
Ion Ratio Lower Upper
43 100
58 39.8 31.1 46.7

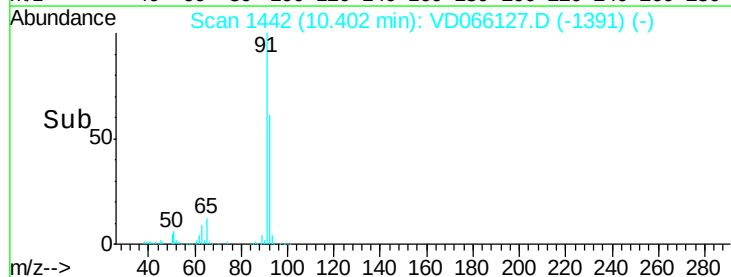
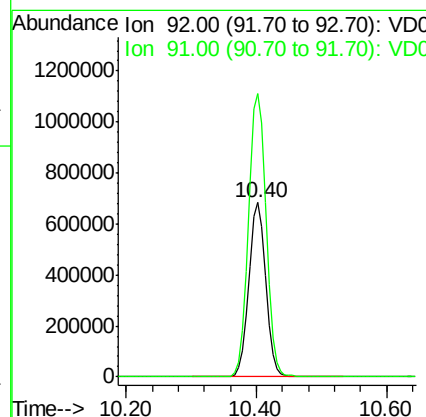
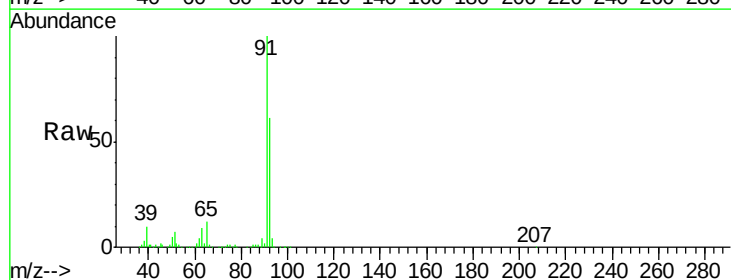
Manual Integrations
APPROVED

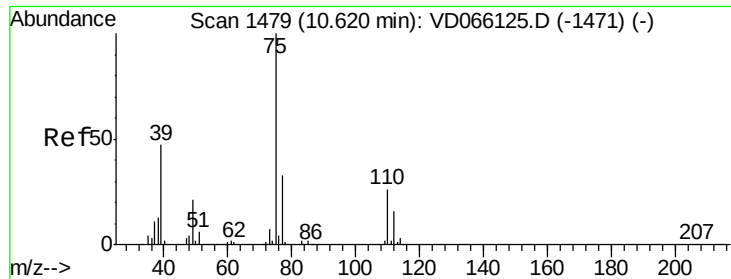
MMDadoda
8/6/2020 1:54:29 PM



#52
Toluene
Concen: 137.607 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion: 92 Resp: 1231378
Ion Ratio Lower Upper
92 100
91 169.6 135.2 202.8





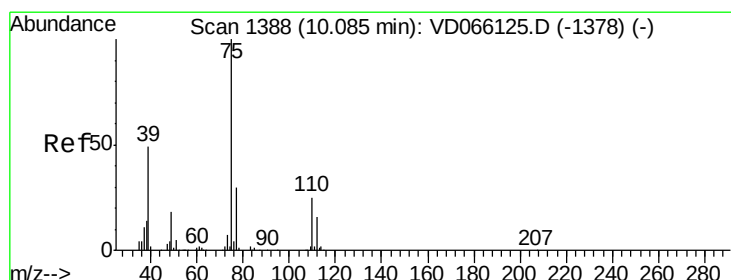
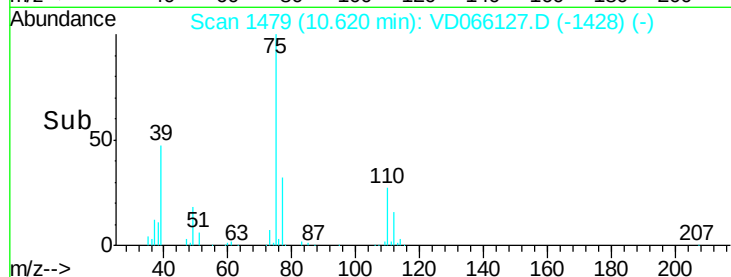
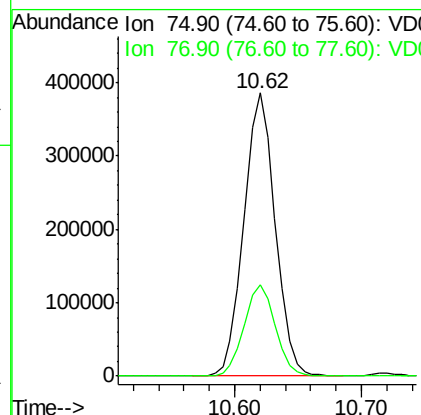
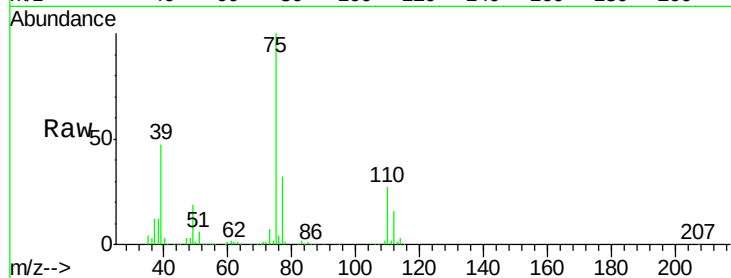
#53
 t-1,3-Dichloropropene
 Concen: 146.896 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.2

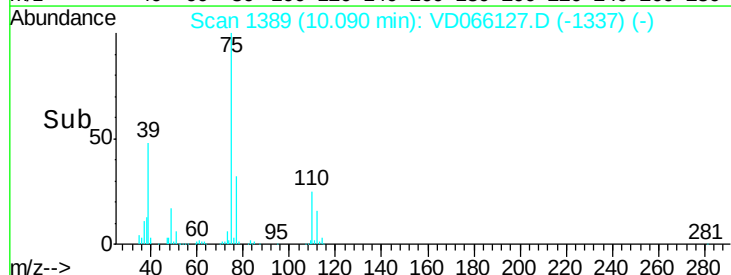
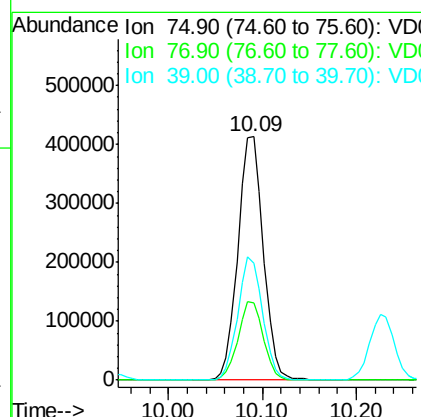
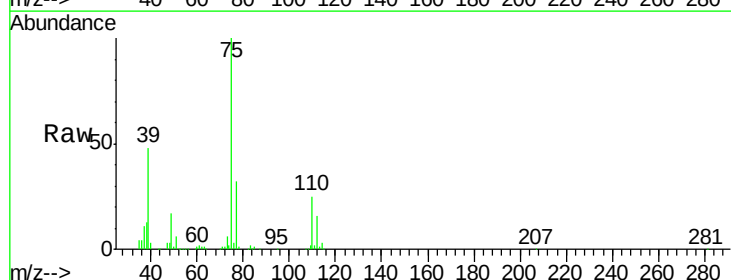
Manual Integrations
 APPROVED

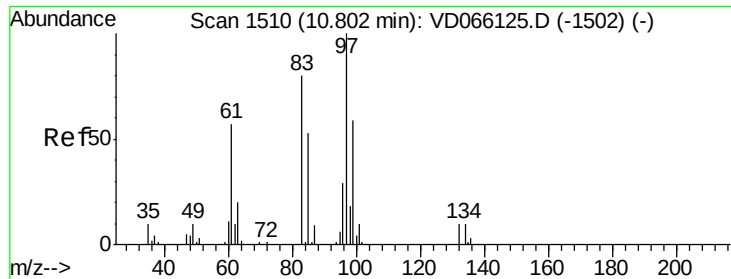
MMDadoda
 8/6/2020 1:54:29 PM



#54
 cis-1,3-Dichloropropene
 Concen: 147.517 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.3	36.5
39	47.9	39.3	58.9





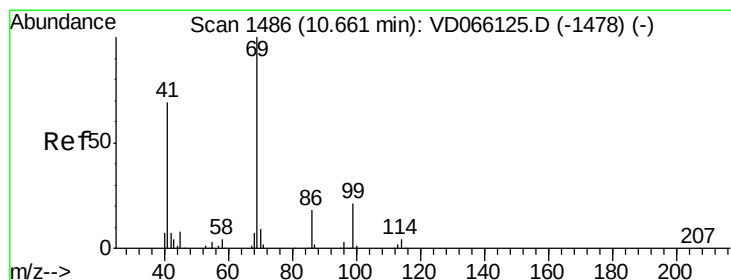
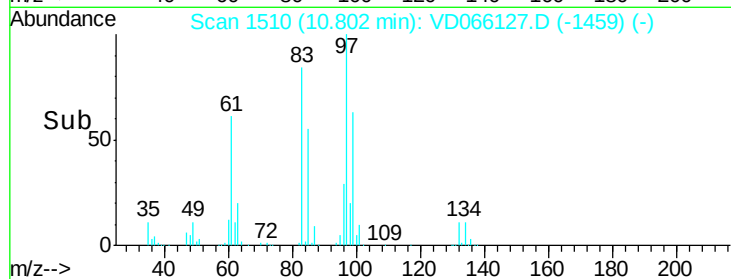
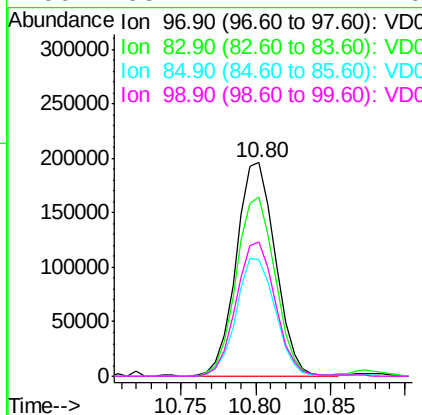
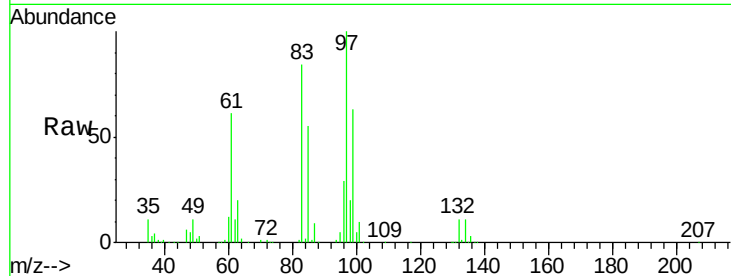
#55
 1,1,2-Trichloroethane
 Concen: 134.711 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		357265		
83	84.1	63.9	95.9		
85	54.7	42.5	63.7		
99	63.1	47.4	71.0		

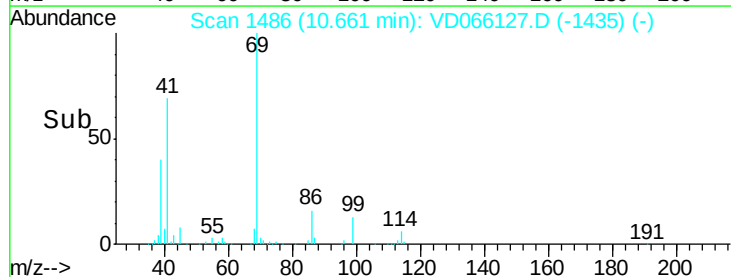
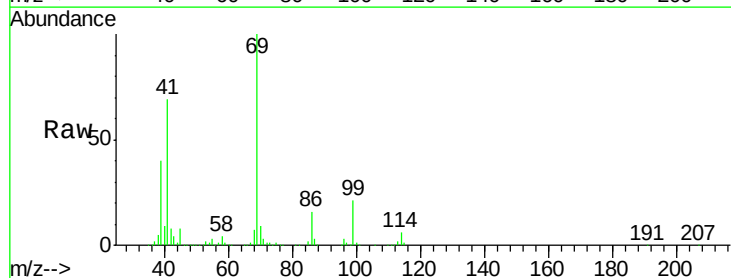
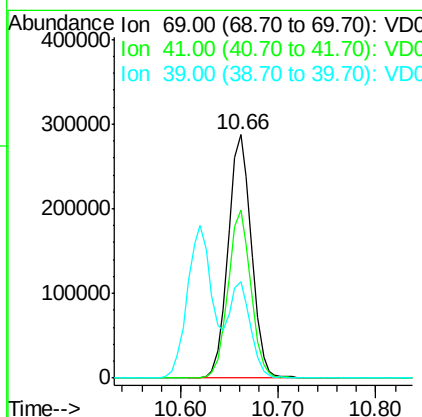
Manual Integrations
 APPROVED

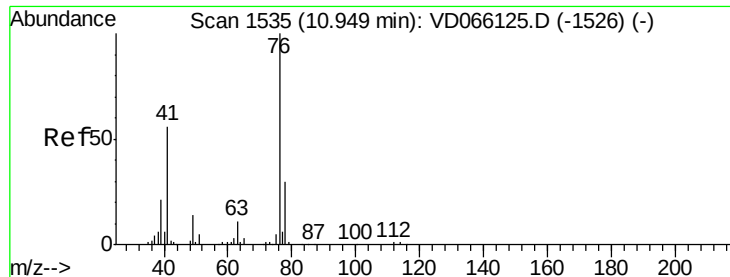
MMDadoda
 8/6/2020 1:54:29 PM



#56
 Ethyl methacrylate
 Concen: 156.121 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		474960		
41	68.5	54.1	81.1		
39	34.9	28.6	43.0		





#57

1,3-Dichloropropane

Concen: 140.522 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 612864

Ion Ratio Lower Upper

76 100

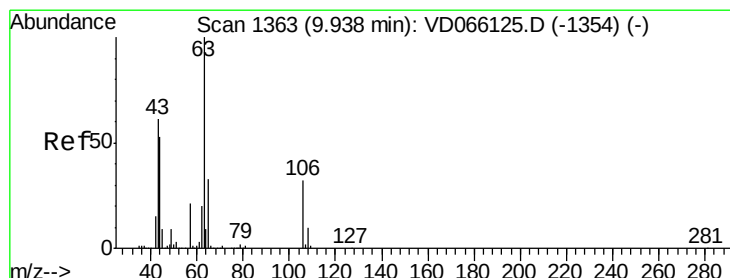
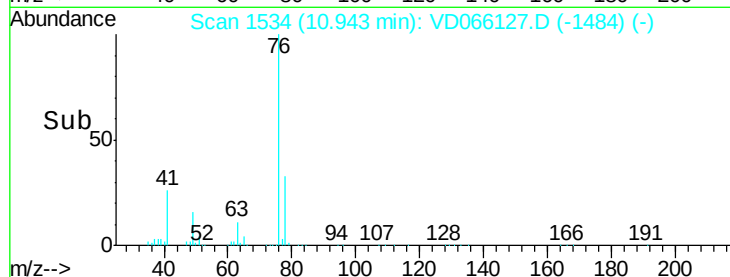
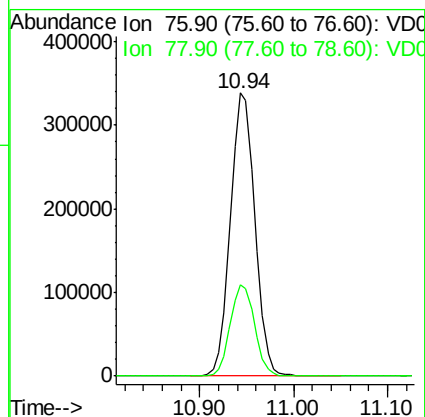
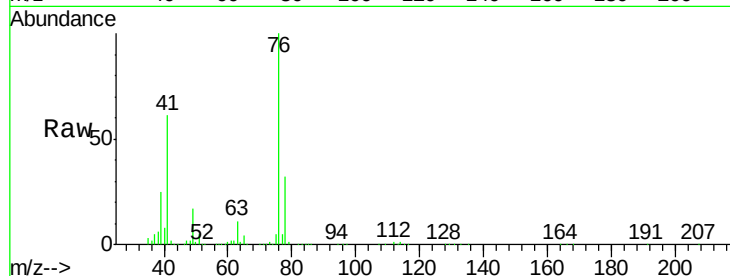
78 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:54:29 PM



#58

2-Chloroethyl Vinyl ether

Concen: 762.760 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066127.D

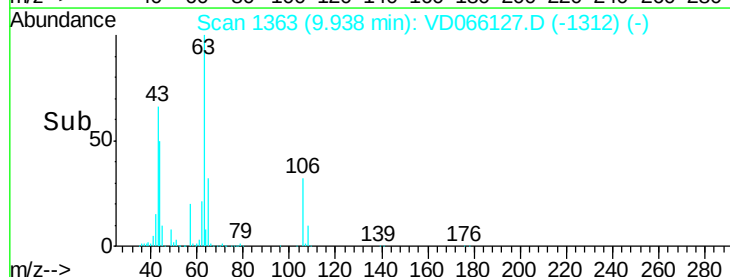
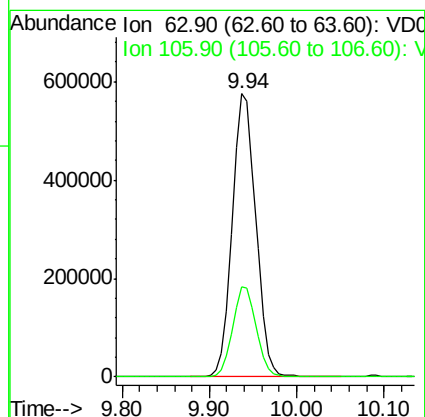
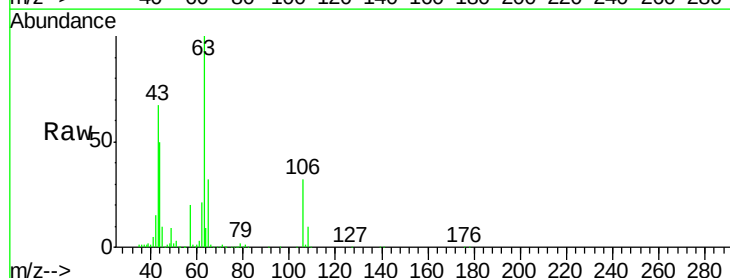
Acq: 05 Aug 2020 12:54

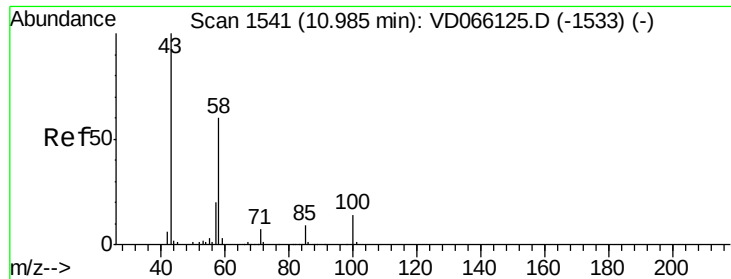
Tgt Ion: 63 Resp: 1055759

Ion Ratio Lower Upper

63 100

106 31.6 25.3 37.9





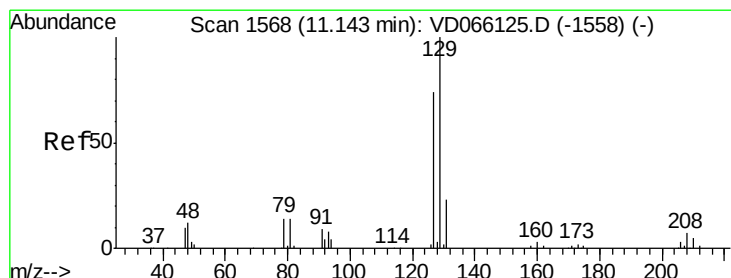
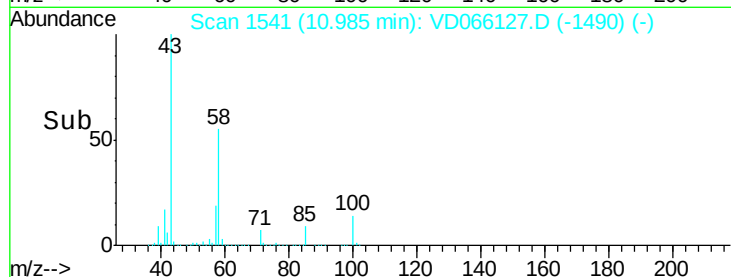
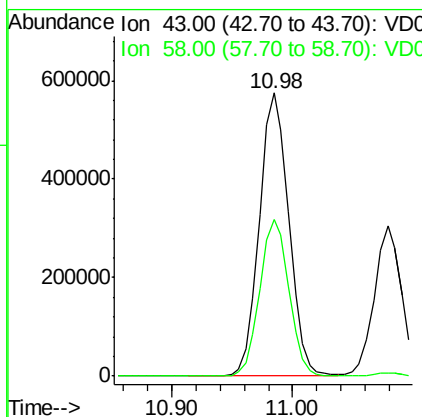
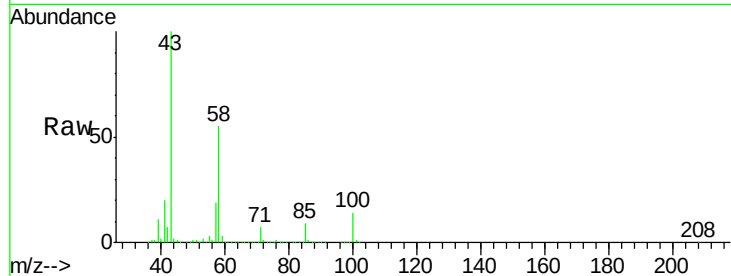
#59
2-Hexanone
Concen: 712.440 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.8	83.4

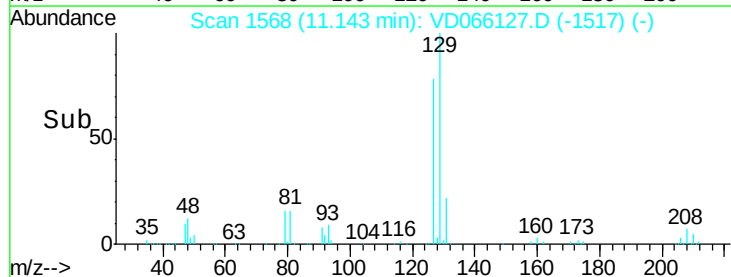
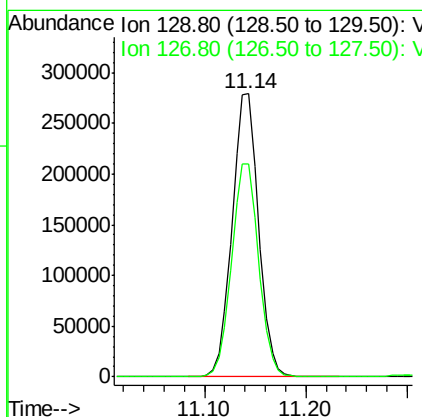
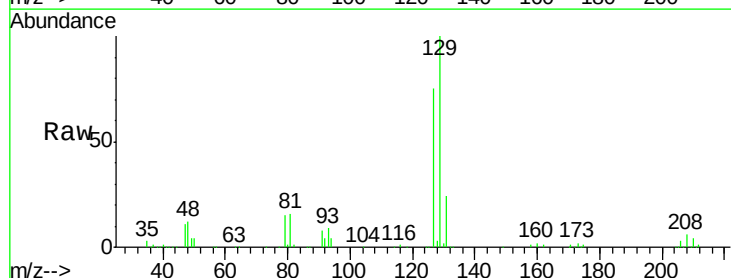
Manual Integrations
APPROVED

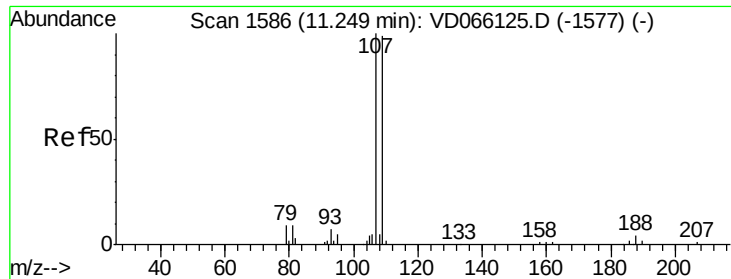
MMDadoda
8/6/2020 1:54:29 PM



#60
Dibromochloromethane
Concen: 139.404 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.0	114.1





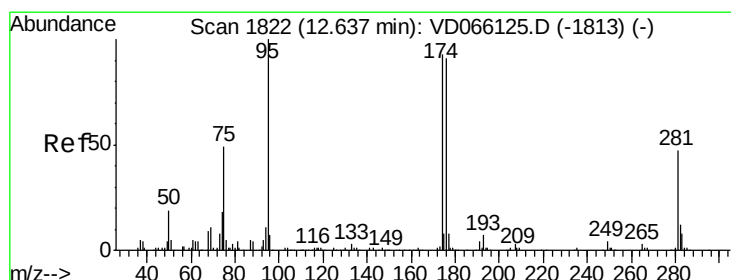
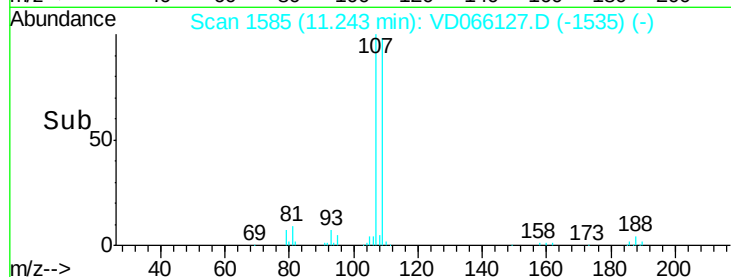
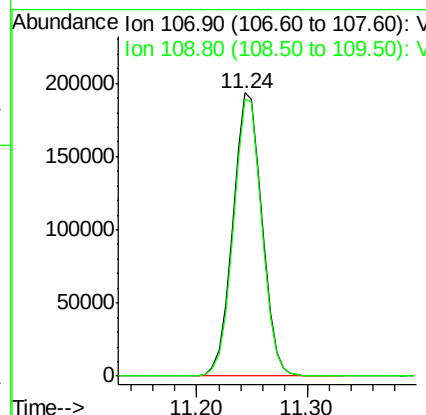
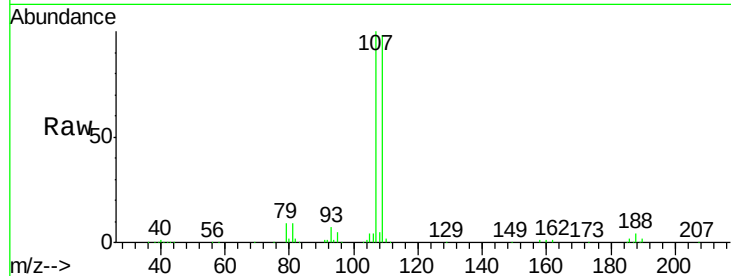
#61
 1,2-Dibromoethane
 Concen: 141.954 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.5	114.7

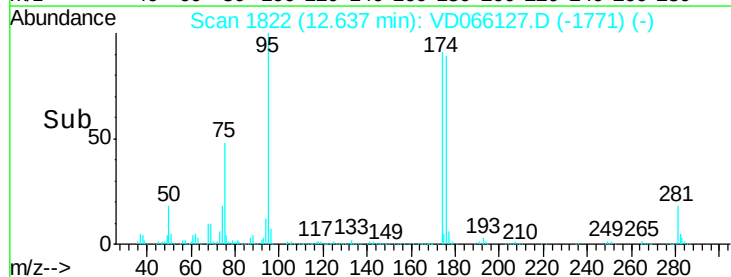
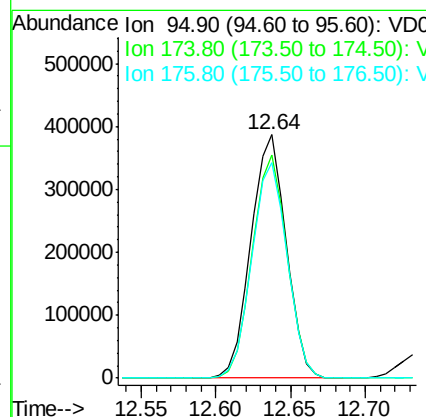
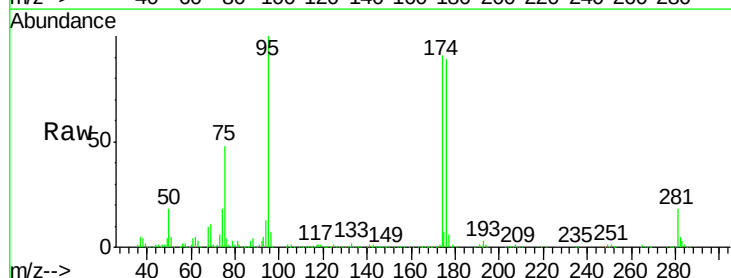
Manual Integrations
 APPROVED

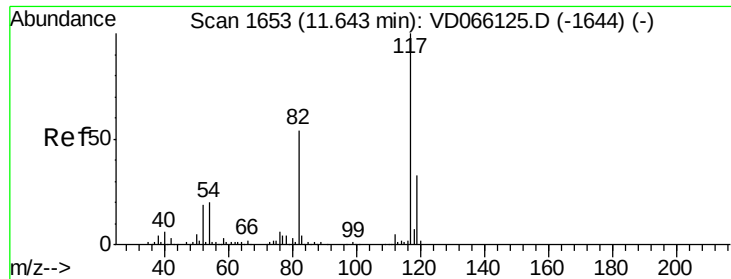
MMDadoda
 8/6/2020 1:54:29 PM



#62
 4-Bromofluorobenzene
 Concen: 145.580 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.8
176	88.6	0.0	181.2





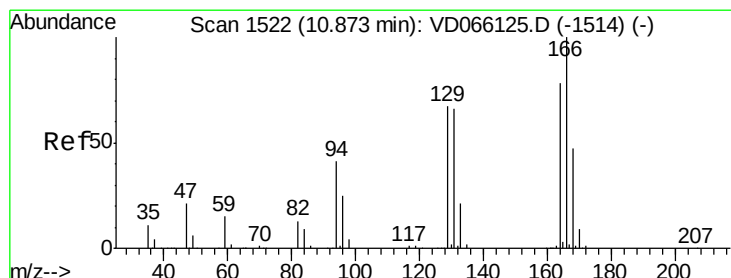
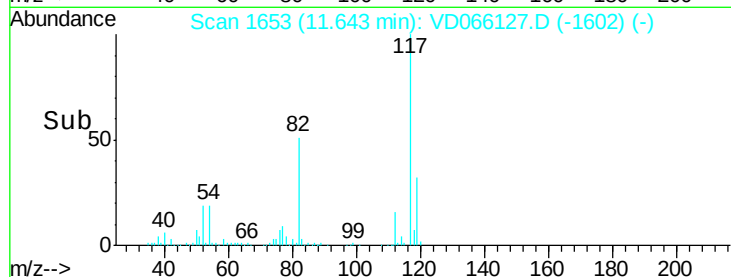
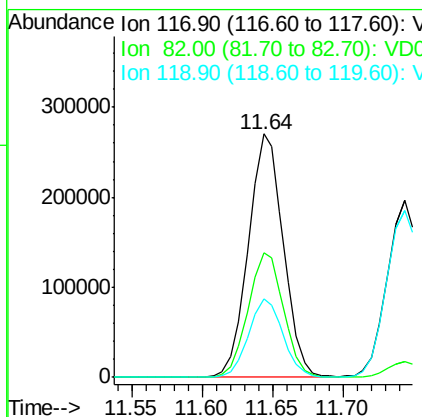
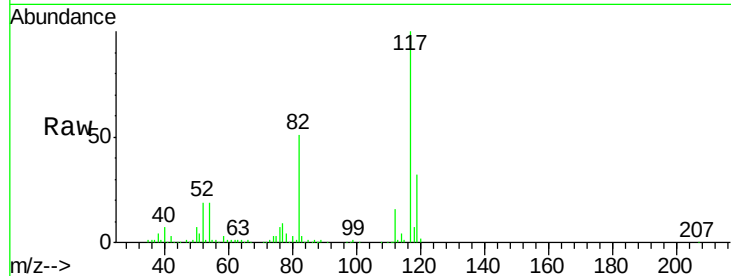
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	470023		
82	51.3		43.0	64.4
119	32.5		26.1	39.1

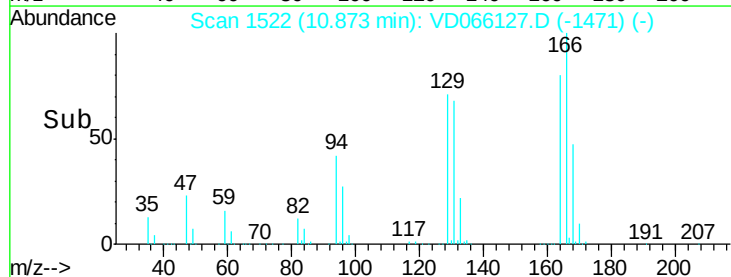
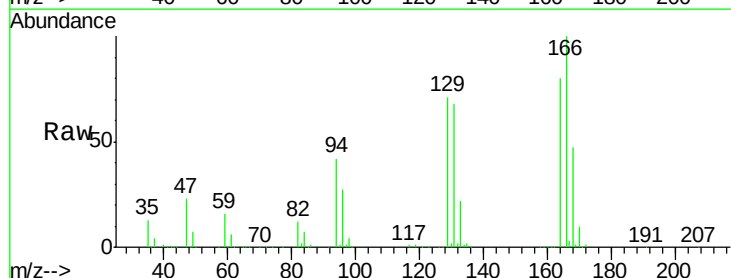
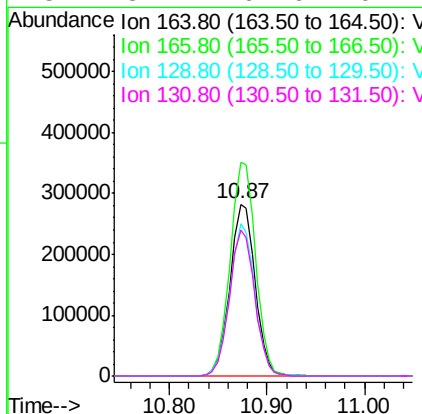
Manual Integrations
APPROVED

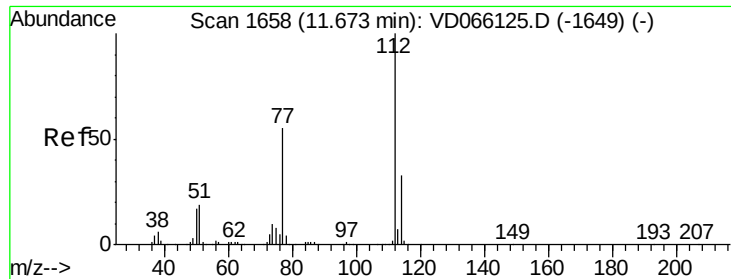
MMDadoda
8/6/2020 1:54:29 PM



#64
Tetrachloroethene
Concen: 137.131 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	505196		
166	124.4		101.9	152.9
129	88.7		68.1	102.1
131	84.7		67.6	101.4





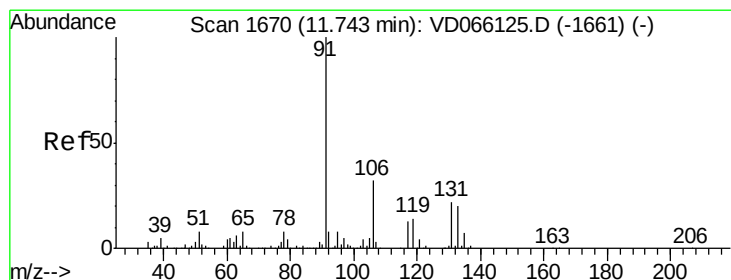
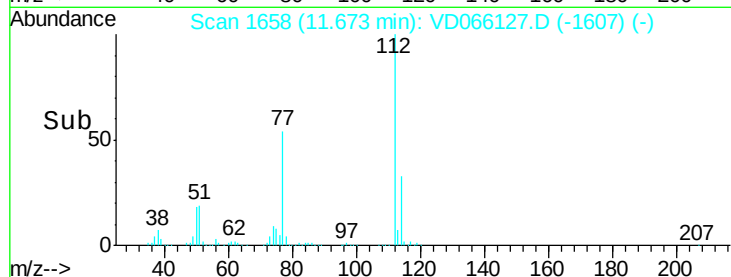
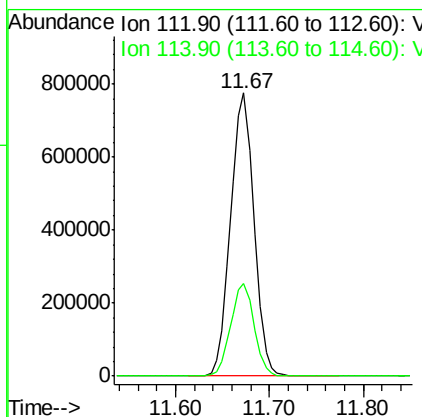
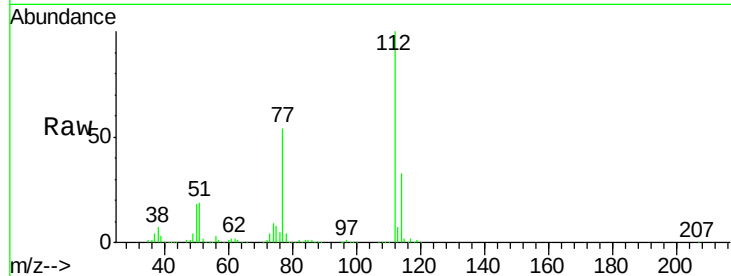
#65
Chlorobenzene
Concen: 137.654 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1342819
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

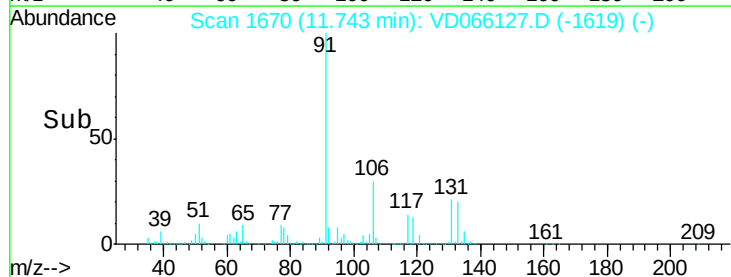
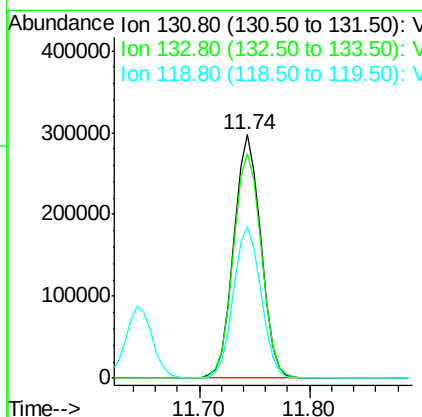
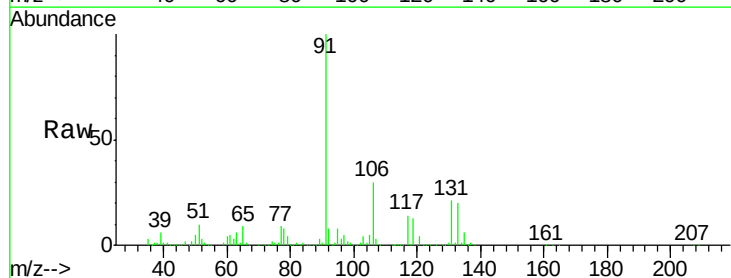
Manual Integrations
APPROVED

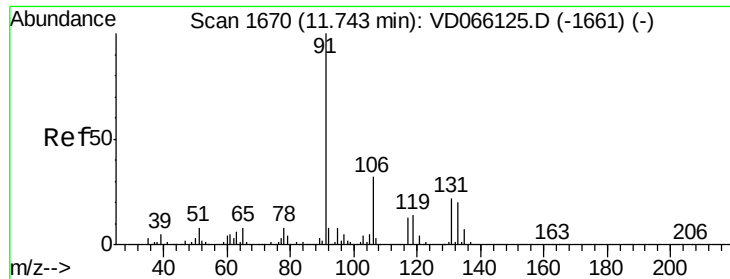
MMDadoda
8/6/2020 1:54:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 134.109 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion:131 Resp: 514318
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.4
119 63.6 31.6 94.7





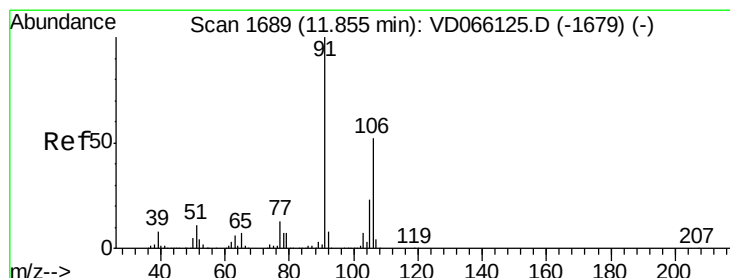
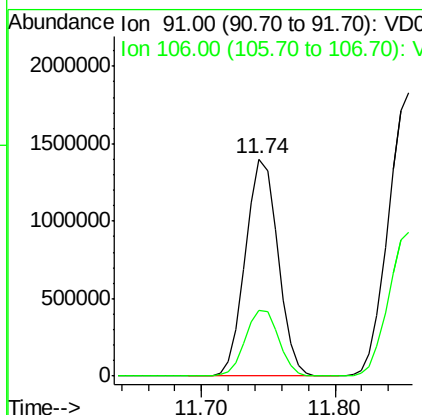
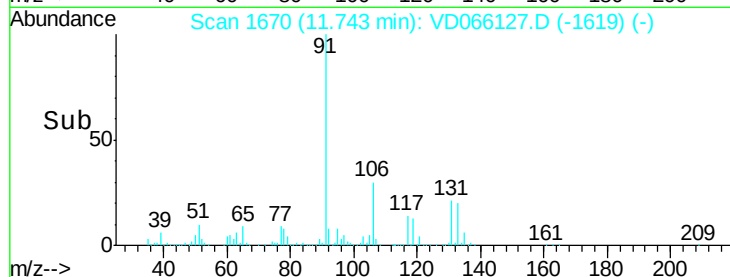
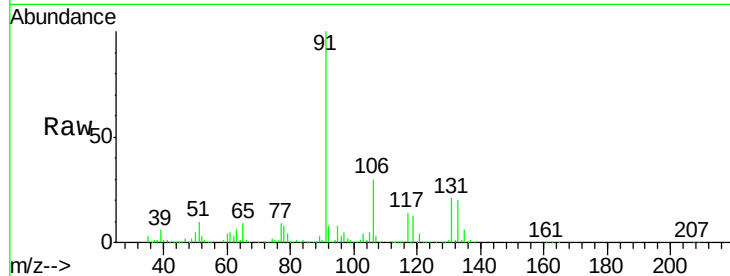
#67
Ethyl Benzene
Concen: 141.184 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2363599
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5

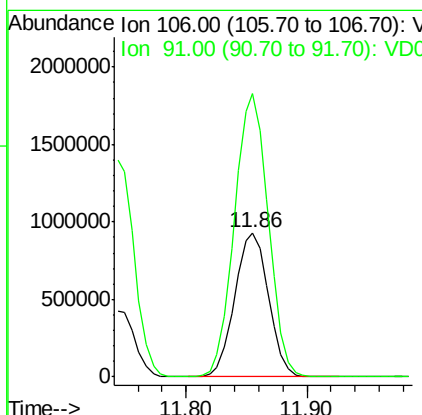
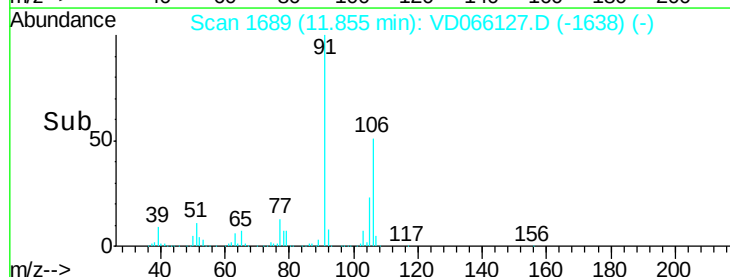
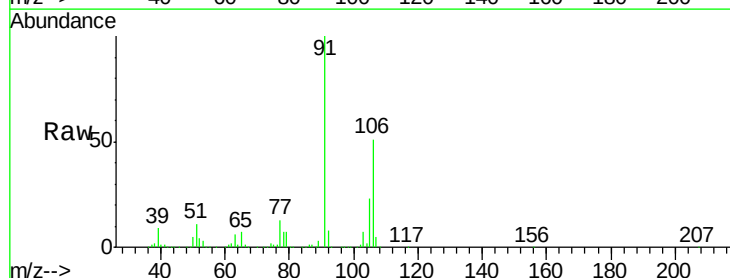
Manual Integrations
APPROVED

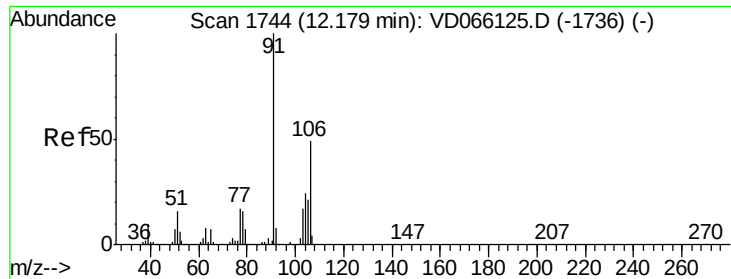
MMDadoda
8/6/2020 1:54:29 PM



#68
m/p-Xylenes
Concen: 278.243 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion: 106 Resp: 1811566
Ion Ratio Lower Upper
106 100
91 196.5 156.6 235.0





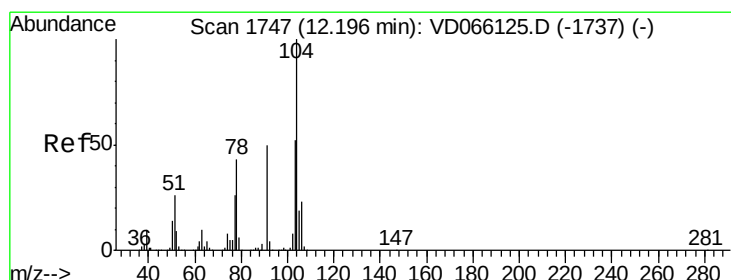
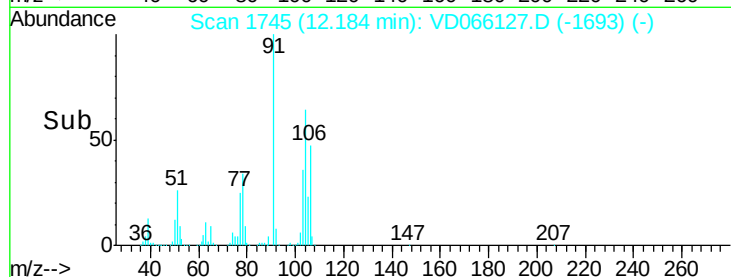
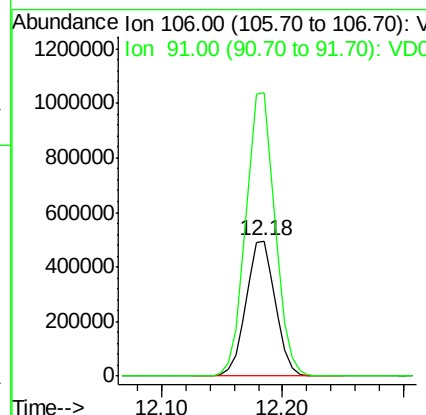
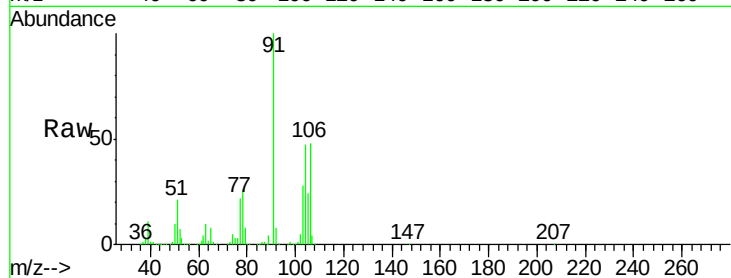
#69
o-Xylene
Concen: 143.019 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.0	105.7	317.1	

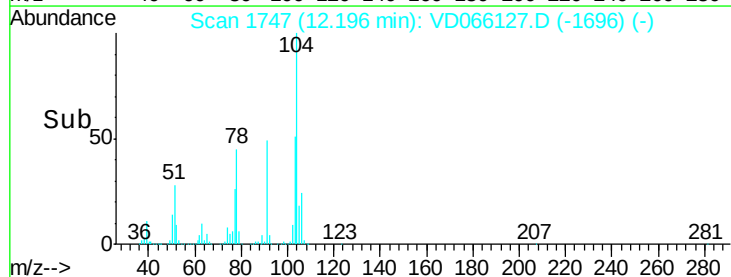
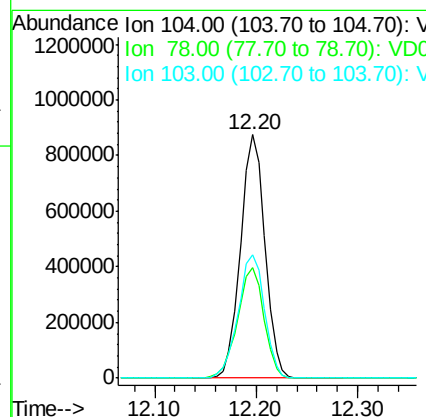
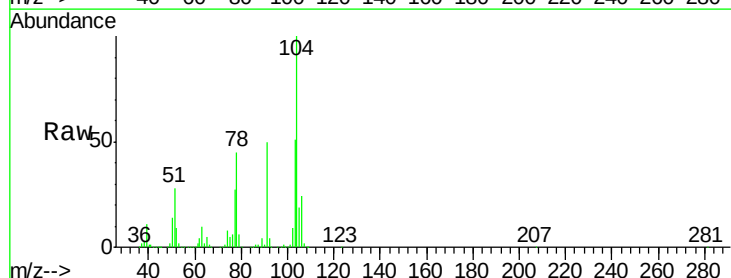
Manual Integrations
APPROVED

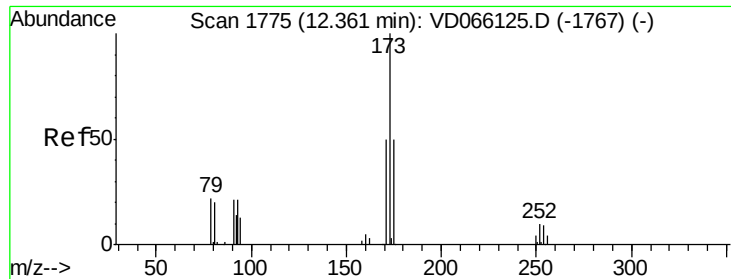
MMDadoda
8/6/2020 1:54:29 PM



#70
Styrene
Concen: 141.973 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.9	38.6	58.0	
103	54.8	44.1	66.1	





#71

Bromoform

Concen: 138.950 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

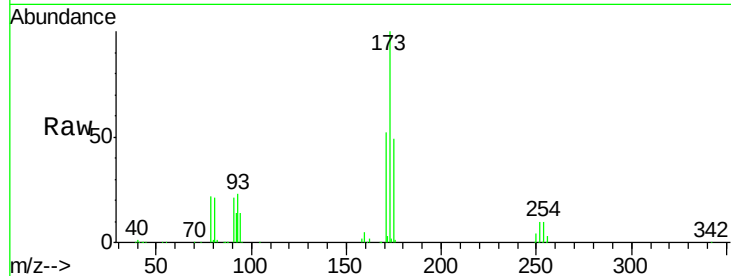
ClientSampleId :

VSTDIC150

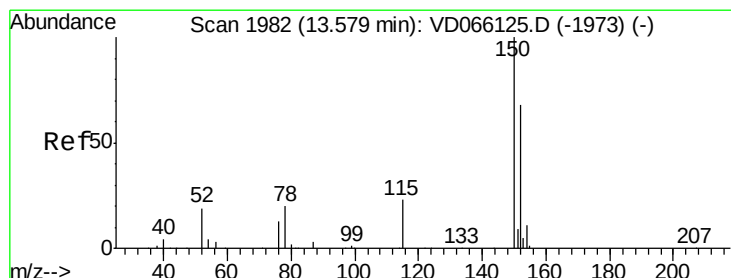
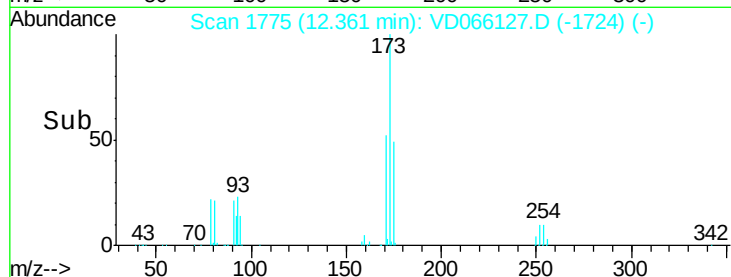
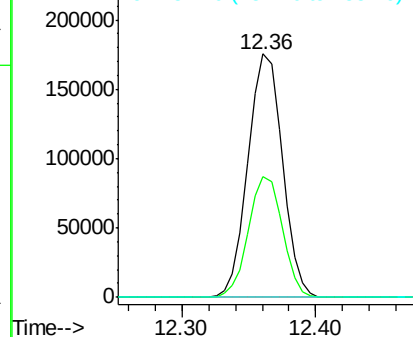
Tot Ion	Ratio	Resp	Lower	Upper
173	100	313522		
175	48.8	24.6	73.6	
254	0.2	0.2	0.2	

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

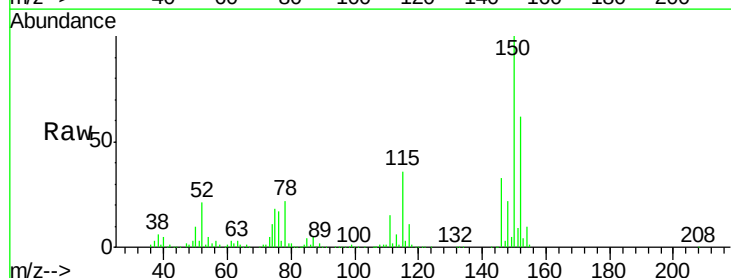
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

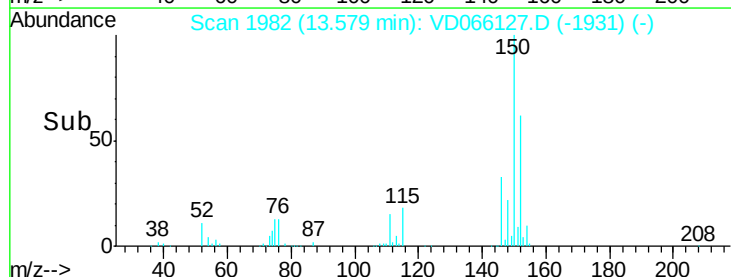
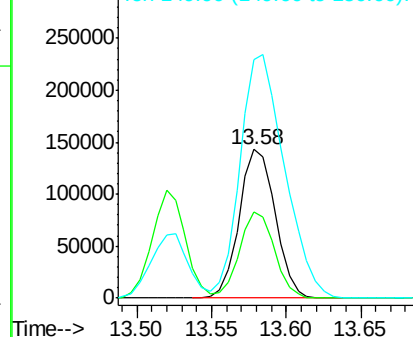
Lab File: VD066127.D

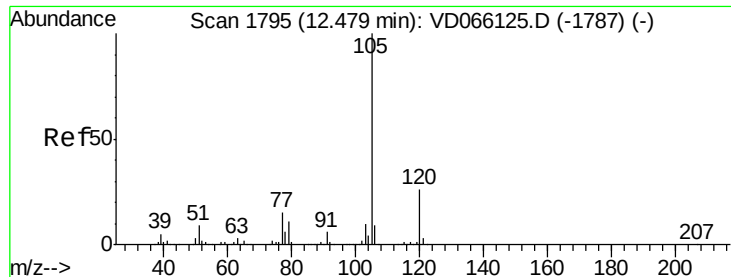
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	239019		
115	56.6	28.0	83.9	
150	201.8	0.0	346.4	



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: 144.142 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2318906

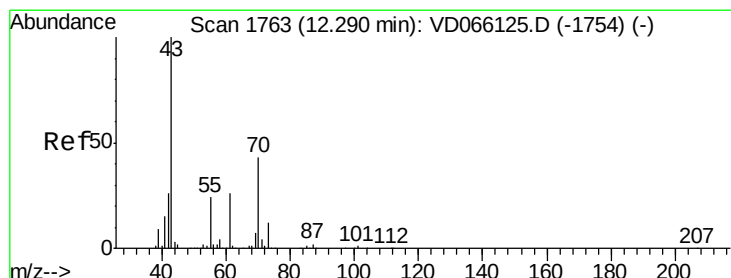
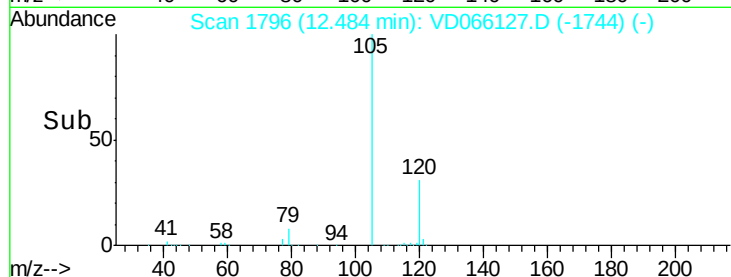
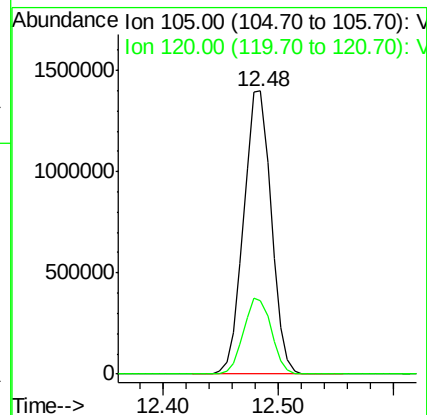
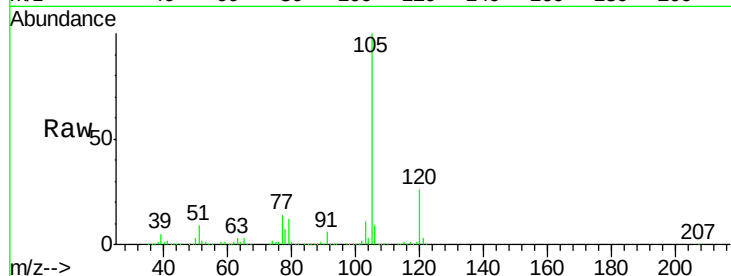
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#74

N-ethyl acetate

Concen: 157.707 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tgt Ion: 43 Resp: 545820

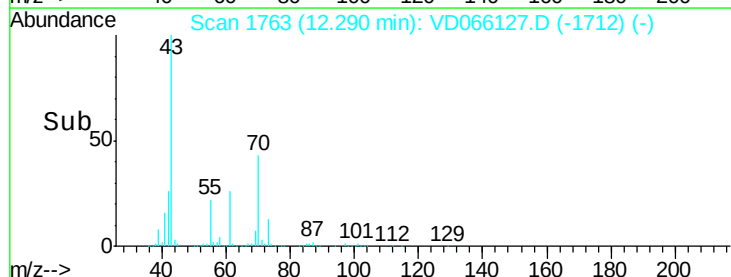
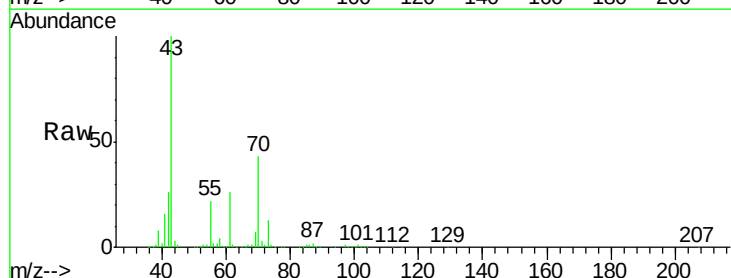
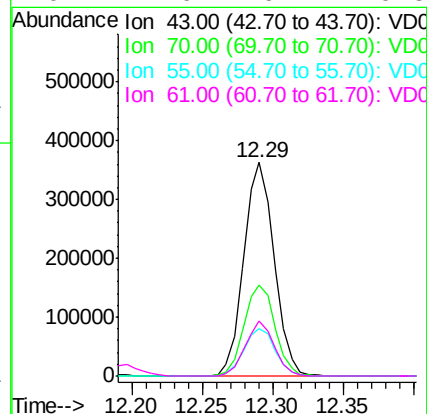
Ion Ratio Lower Upper

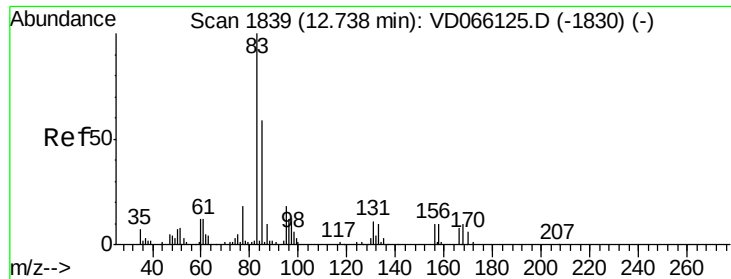
43 100

70 43.5 34.9 52.3

55 23.1 19.2 28.8

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 138.465 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

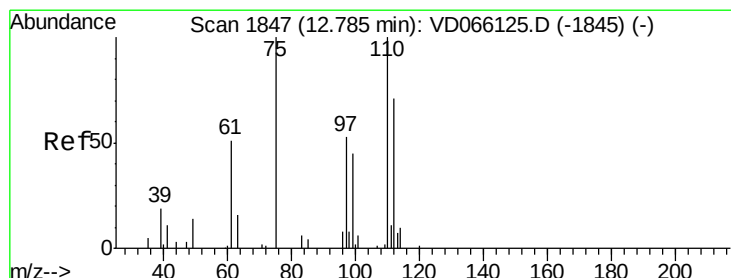
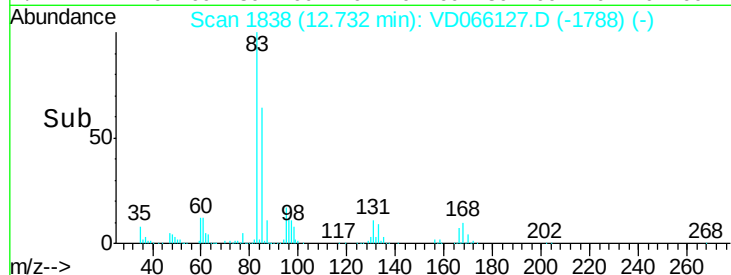
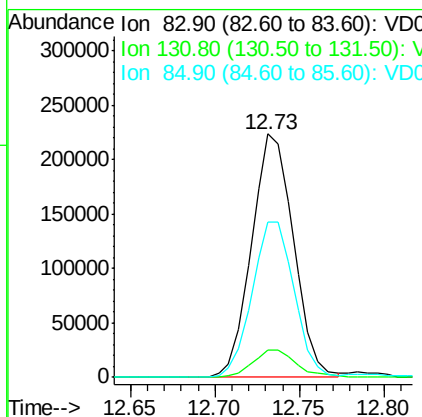
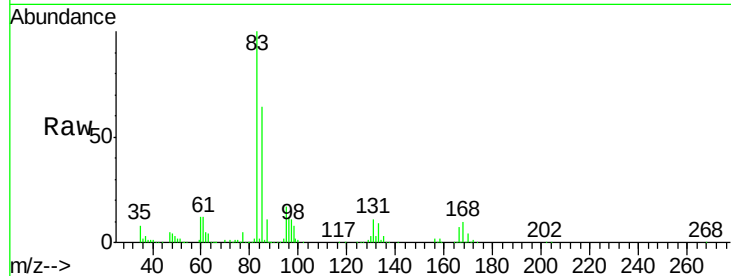
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	386298
Ion Ratio	Lower	Upper	
83	100		
131	11.8	6.2	18.6
85	64.2	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#76

1,2,3-Trichloropropane

Concen: 138.920 ug/l m

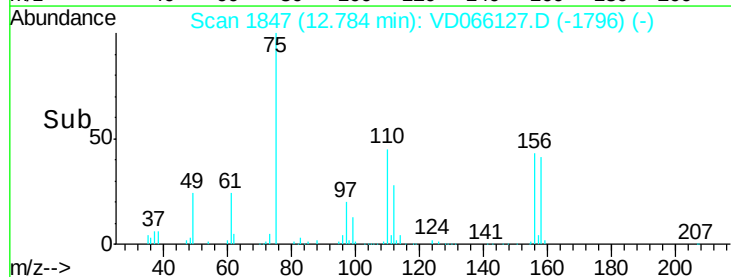
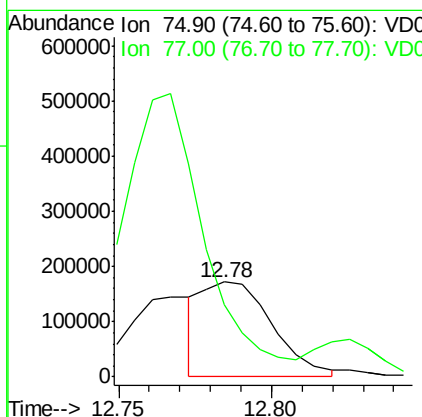
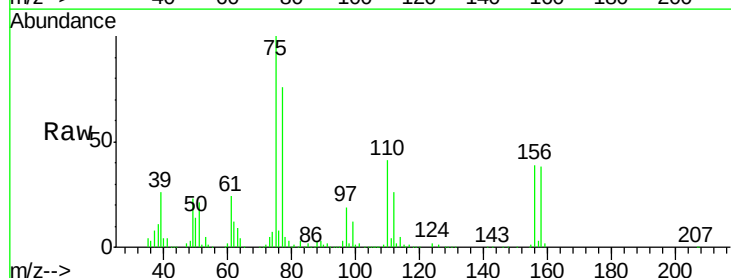
RT: 12.78 min Scan# 1847

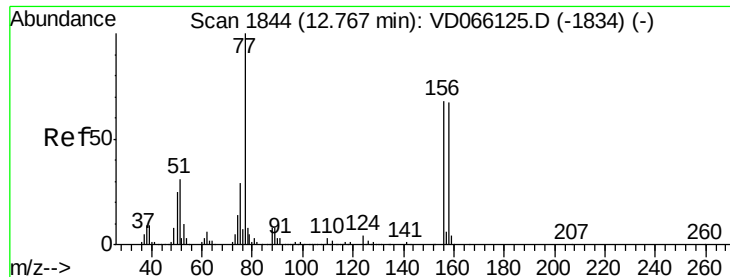
Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tgt Ion:	75	Resp:	274915
Ion Ratio	Lower	Upper	
75	100		
77	352.5	0.0	0.0#





#77

Bromobenzene

Concen: 140.870 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

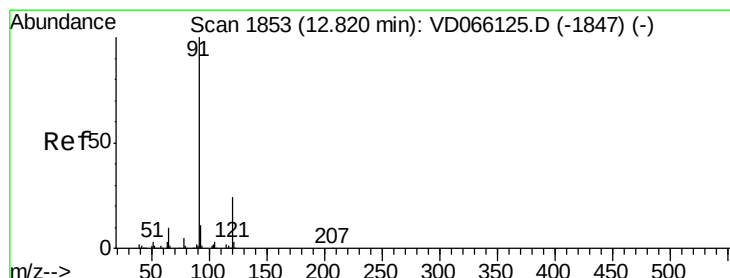
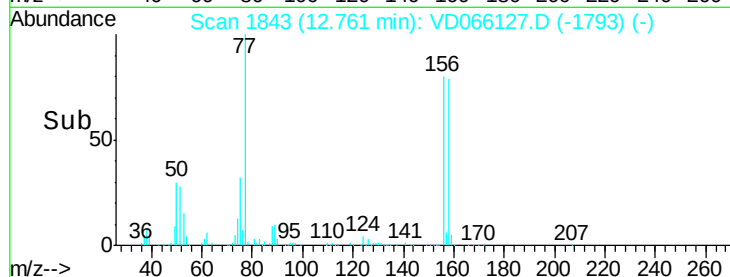
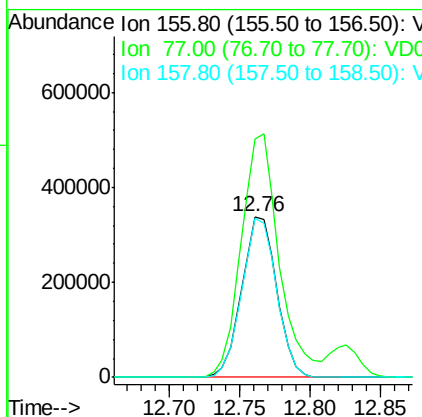
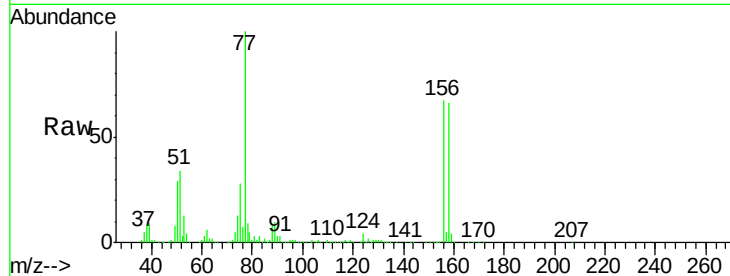
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	588414
Ion Ratio	Lower	Upper	
156	100		
77	164.7	81.0	243.1
158	98.4	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#78

n-propylbenzene

Concen: 142.393 ug/l

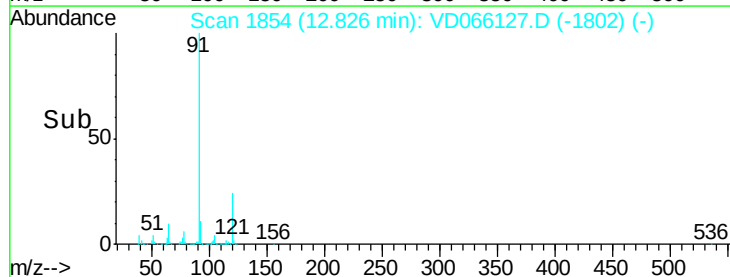
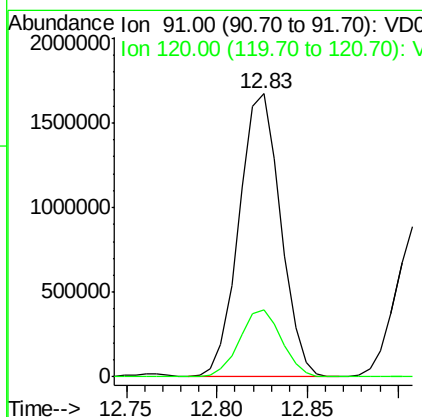
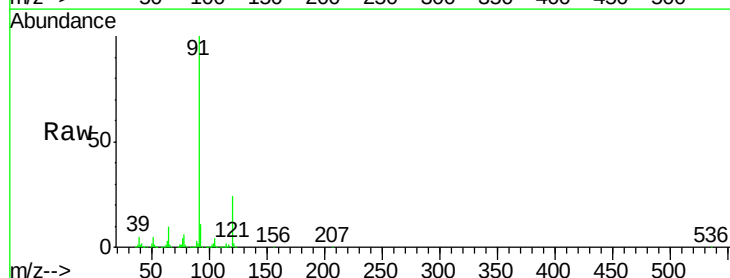
RT: 12.83 min Scan# 1854

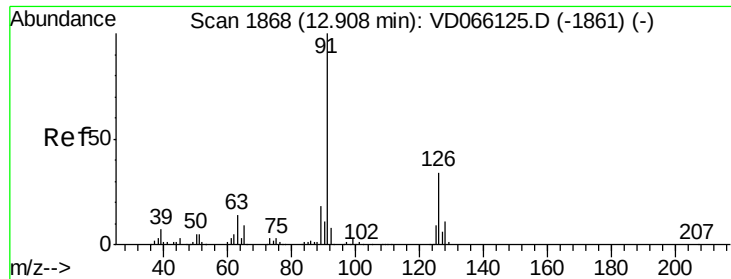
Delta R.T. 0.01 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Tgt Ion:	91	Resp:	2675840
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





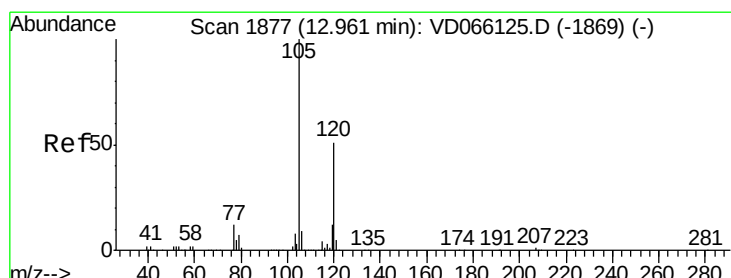
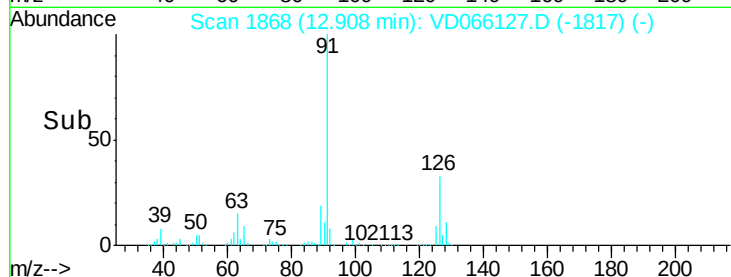
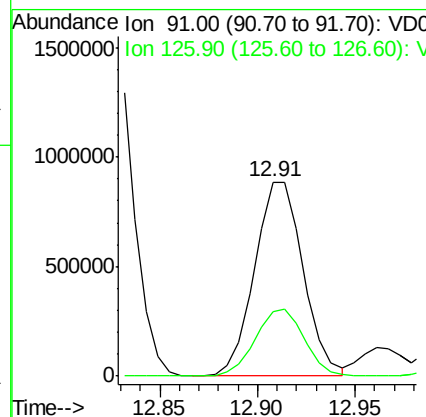
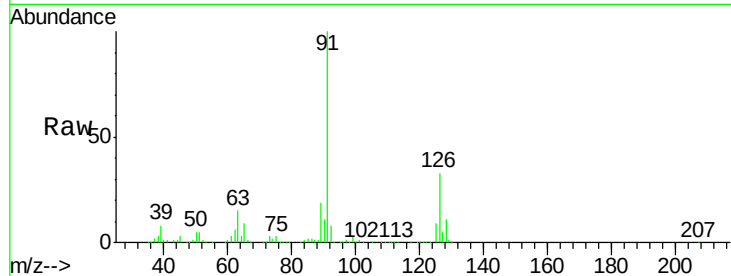
#79
 2-Chlorotoluene
 Concen: 141.788 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC150

Tot Ion: 91 Resp: 1527927
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.5 52.6

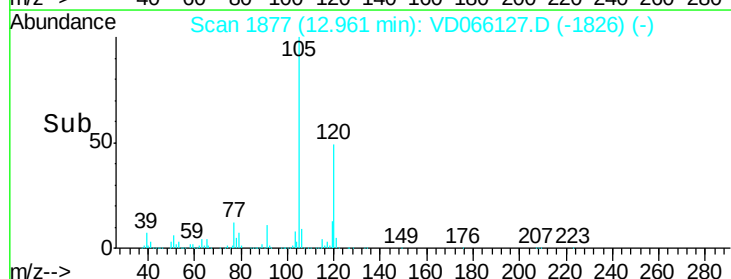
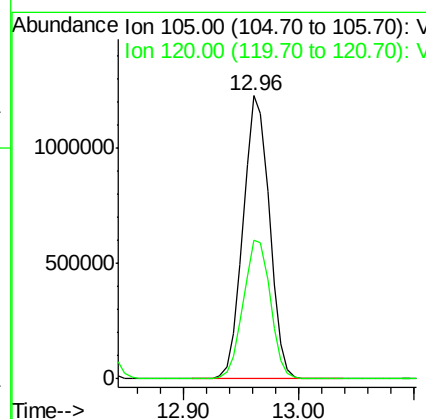
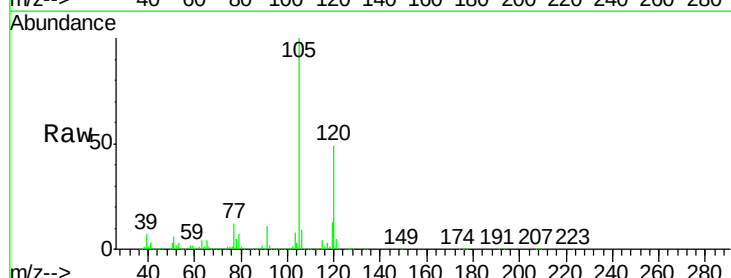
Manual Integrations
 APPROVED

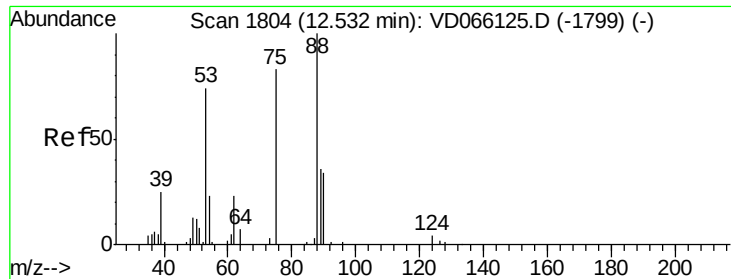
MMDadoda
 8/6/2020 1:54:29 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 143.541 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion: 105 Resp: 1934385
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.3 75.8





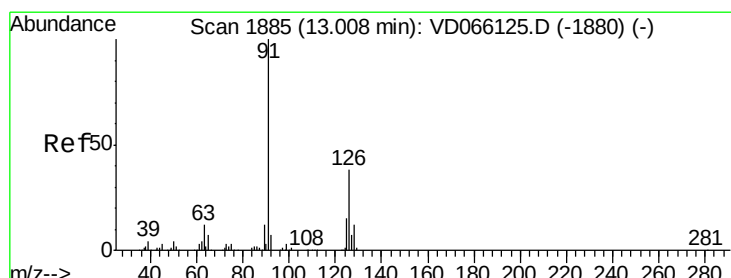
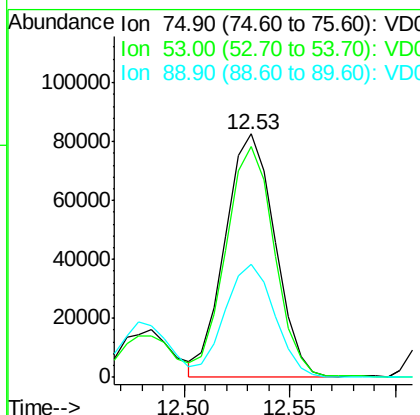
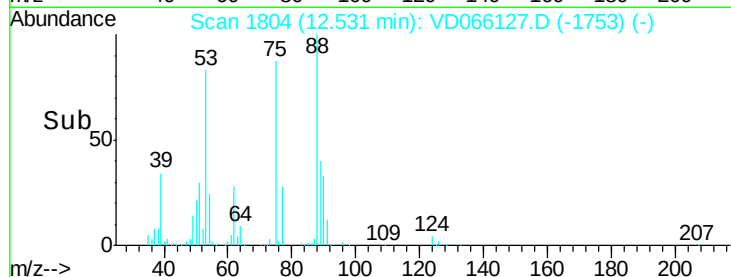
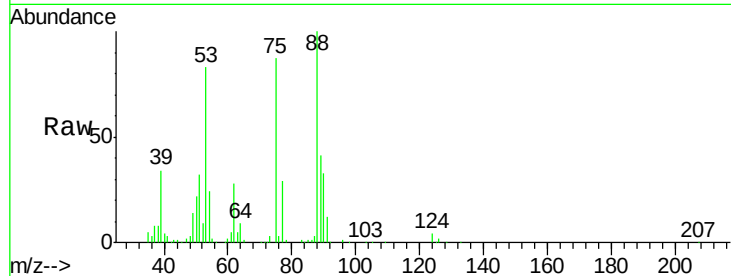
#81
trans-1,4-Dichloro-2-butene
Concen: 148.498 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.4	110.2
89	47.2	36.6	55.0

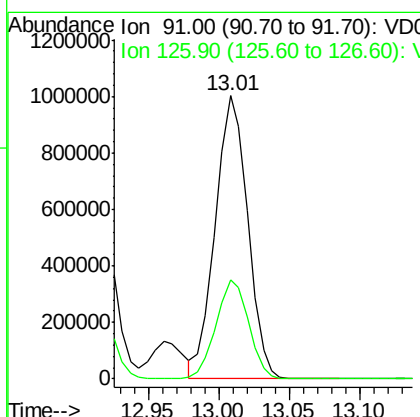
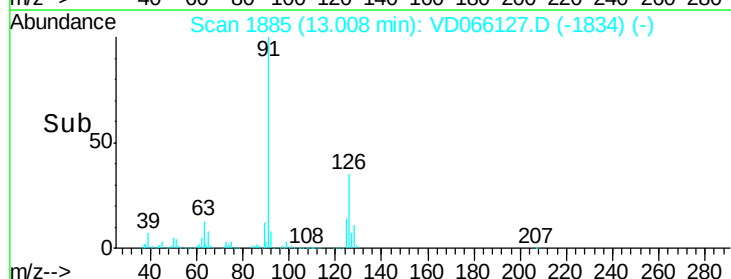
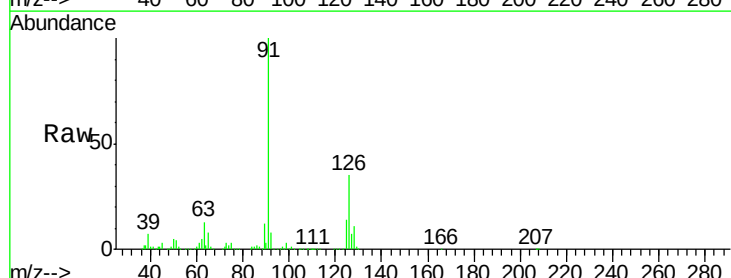
Manual Integrations
APPROVED

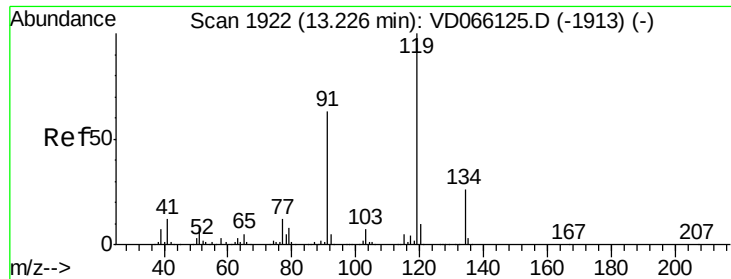
MMDadoda
8/6/2020 1:54:29 PM



#82
4-Chlorotoluene
Concen: 140.274 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





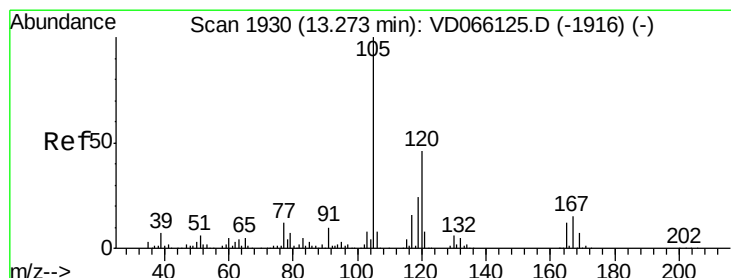
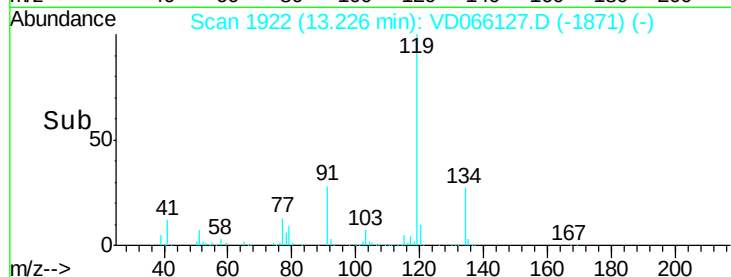
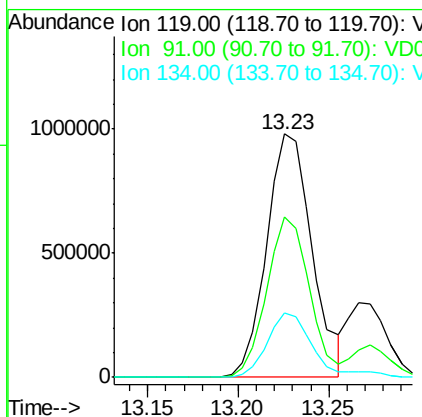
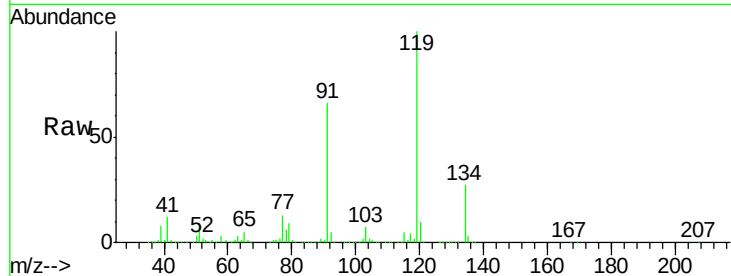
#83
 tert-Butylbenzene
 Concen: 145.174 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1712545
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.8 92.4
 134 27.1 13.6 40.8

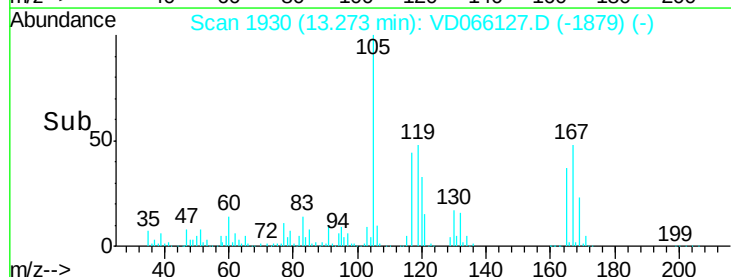
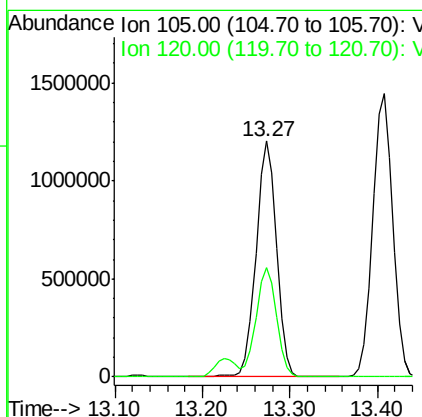
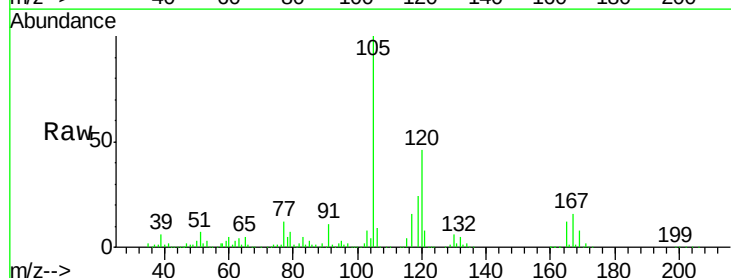
Manual Integrations
 APPROVED

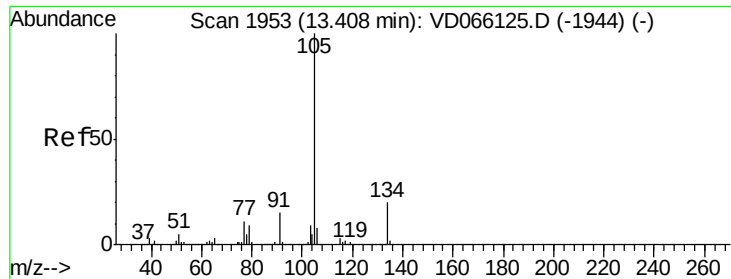
MMDadoda
 8/6/2020 1:54:29 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 141.292 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion:105 Resp: 1914879
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 143.877 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2301457

Ion Ratio Lower Upper

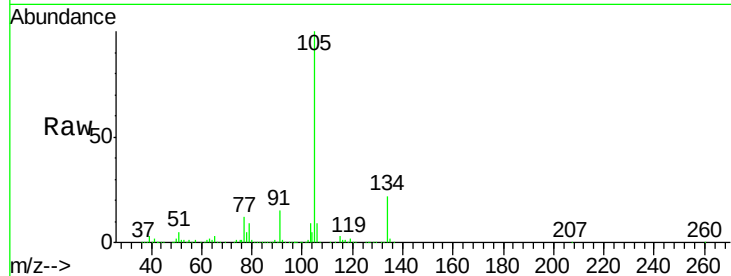
105 100

134 21.3 10.4 31.4

Manual Integrations
APPROVED

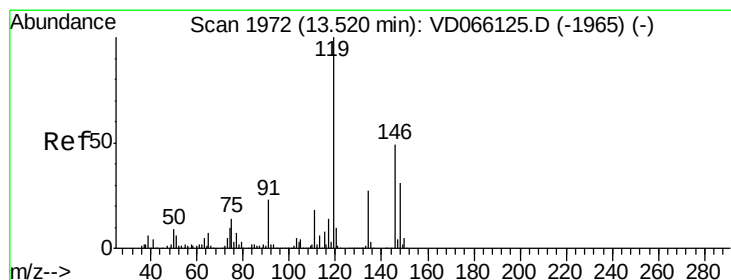
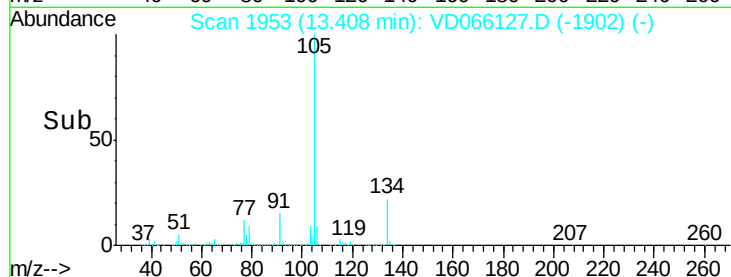
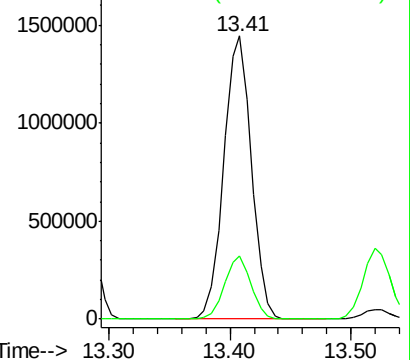
MMDadoda

8/6/2020 1:54:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 142.631 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

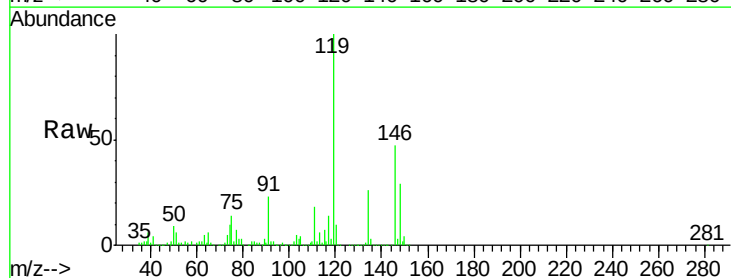
Tgt Ion:119 Resp: 2145822

Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

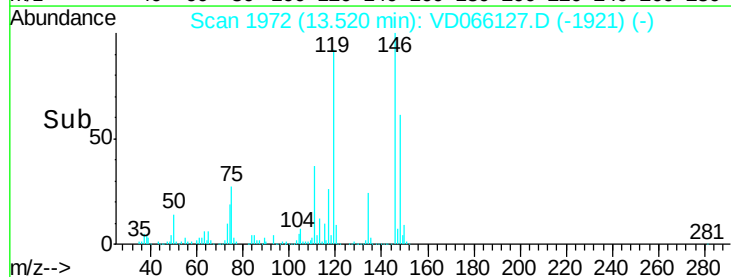
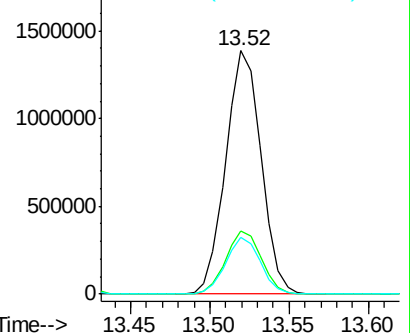
91 22.9 11.2 33.5

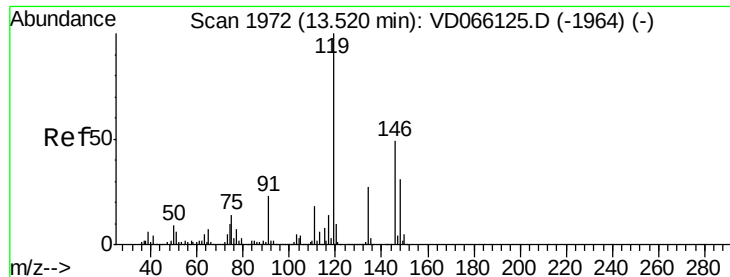


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





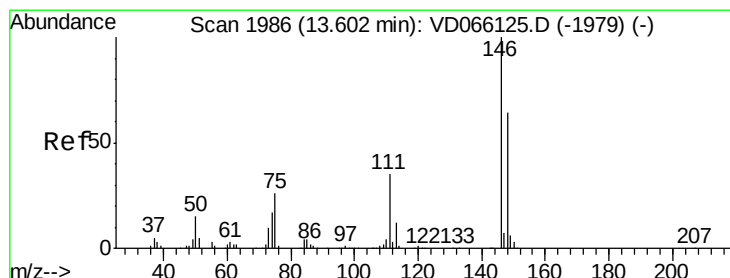
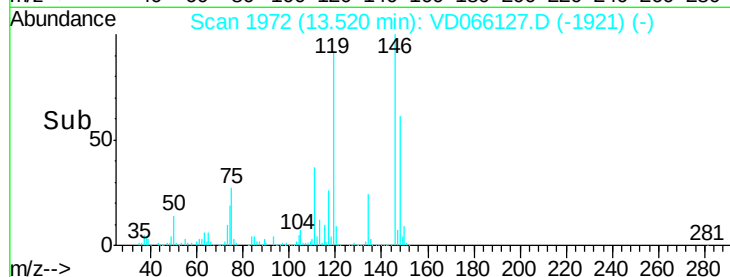
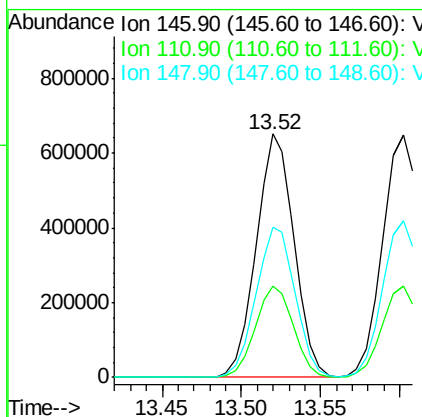
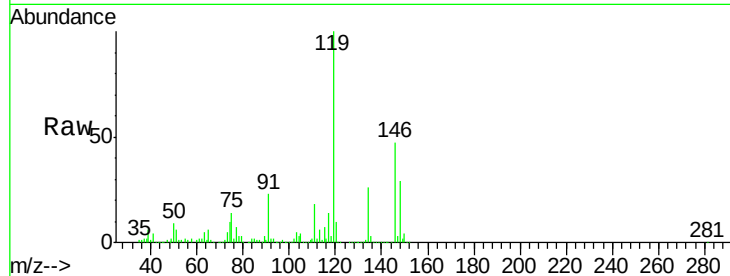
#87
 1,3-Dichlorobenzene
 Concen: 135.888 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	63.7	31.8	95.3

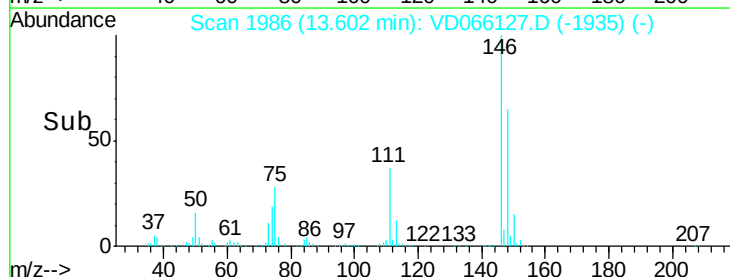
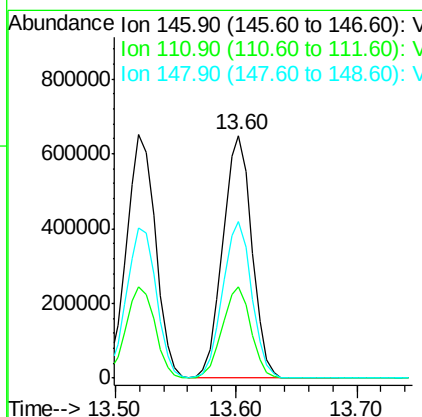
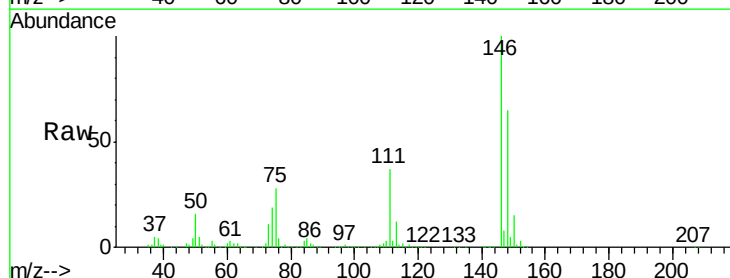
Manual Integrations
 APPROVED

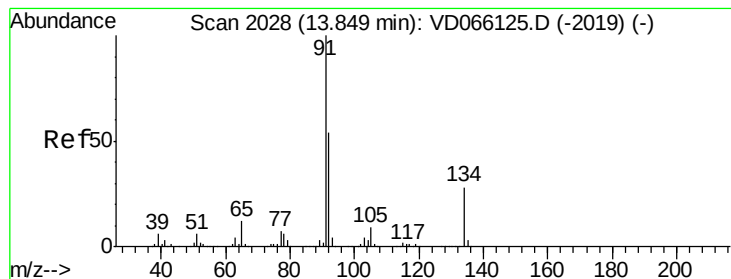
MMDadoda
 8/6/2020 1:54:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 136.931 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.4	32.4	97.0





#89

n-Butylbenzene

Concen: 147.563 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD066127.D

Acq: 05 Aug 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1968943

Ion Ratio Lower Upper

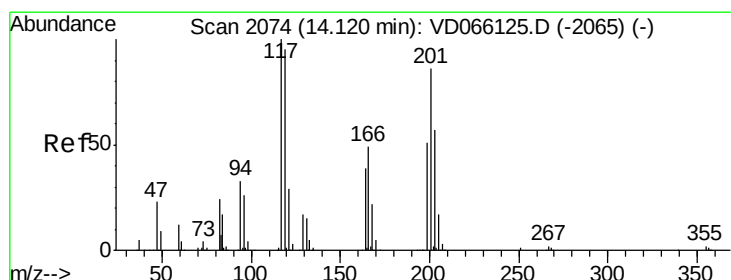
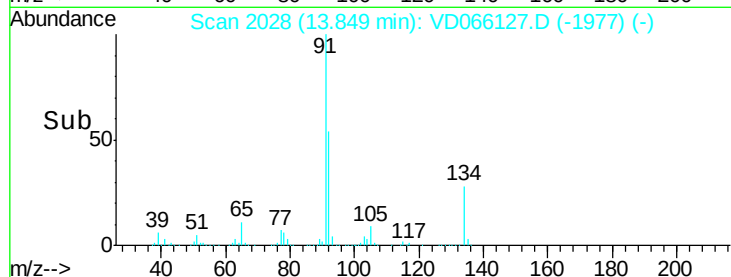
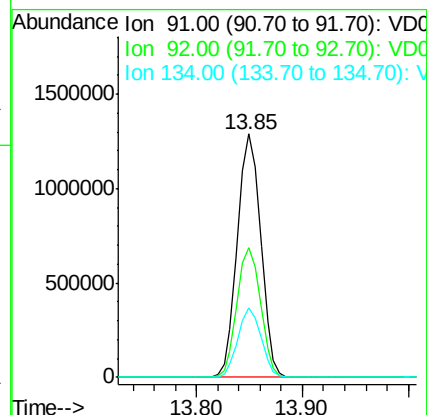
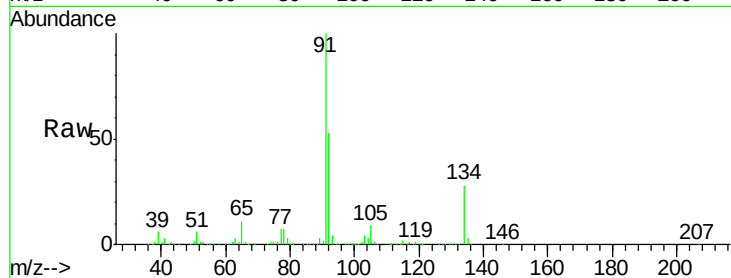
91 100

92 53.8 26.8 80.3

134 28.1 14.0 41.9

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#90

Hexachloroethane

Concen: 144.054 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD066127.D

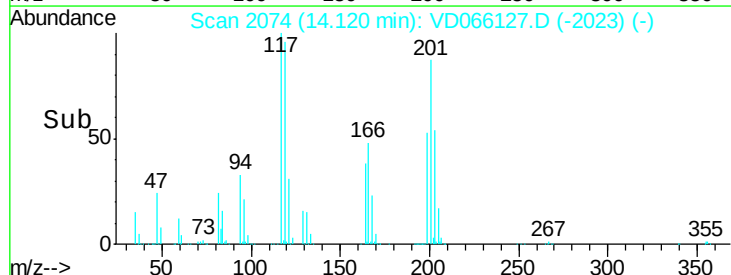
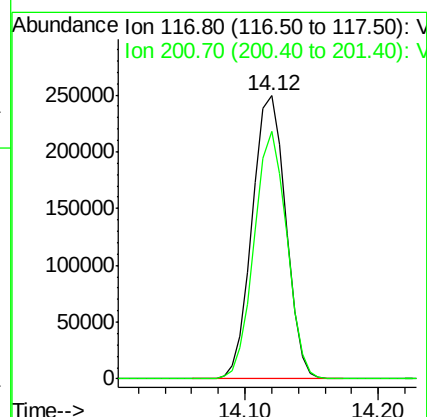
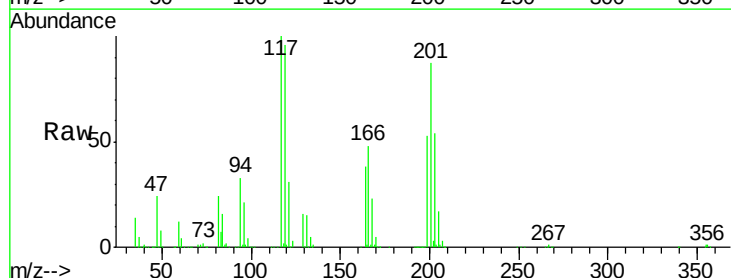
Acq: 05 Aug 2020 12:54

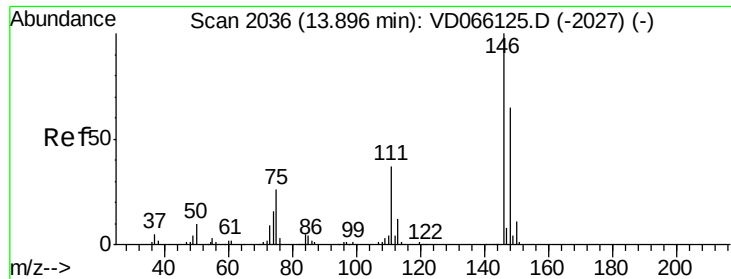
Tgt Ion: 117 Resp: 433001

Ion Ratio Lower Upper

117 100

201 85.0 42.7 128.1





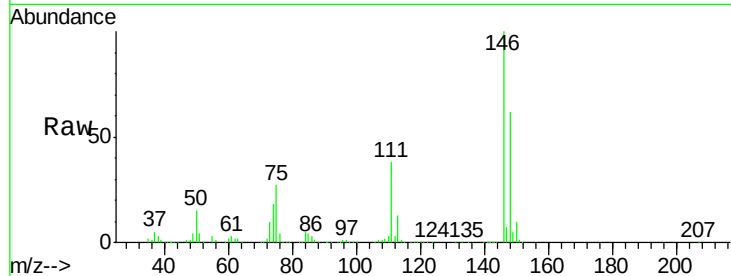
#91
 1,2-Dichlorobenzene
 Concen: 137.666 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

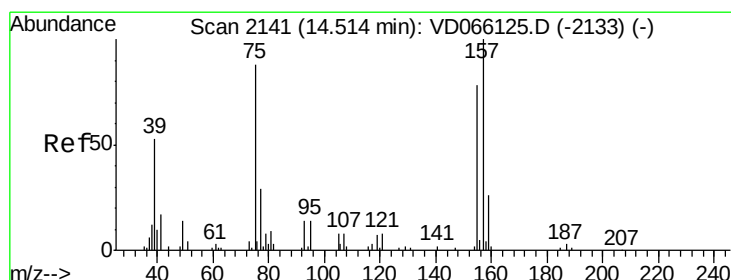
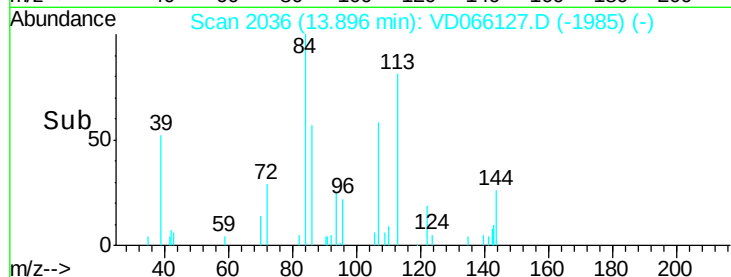
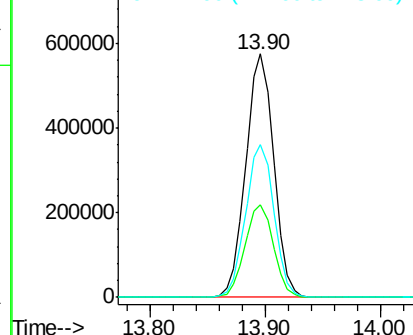
Tot Ion	Ratio	Resp	Lower	Upper
146	100	964888		
111	38.9	18.8	56.3	
148	63.8	31.9	95.5	

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:29 PM

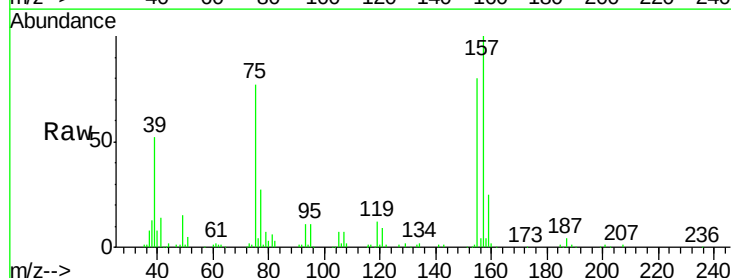


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

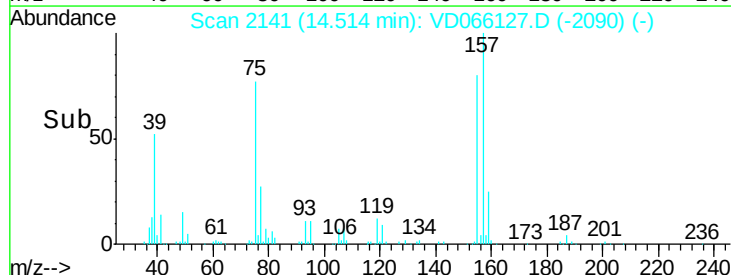
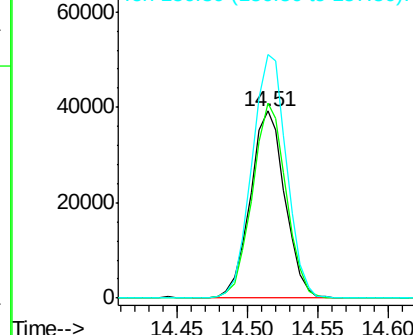


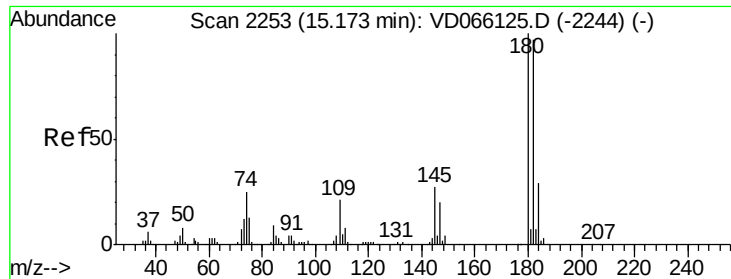
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.538 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67684		
155	101.2	47.7	143.1	
157	130.2	62.1	186.2	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





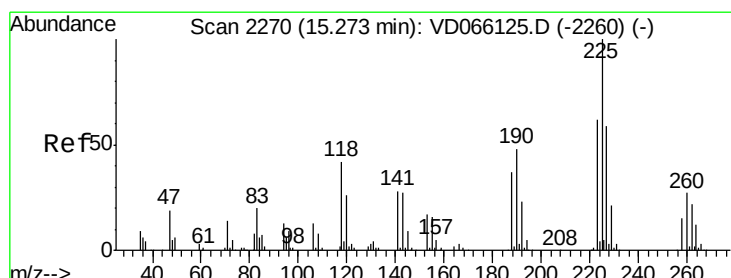
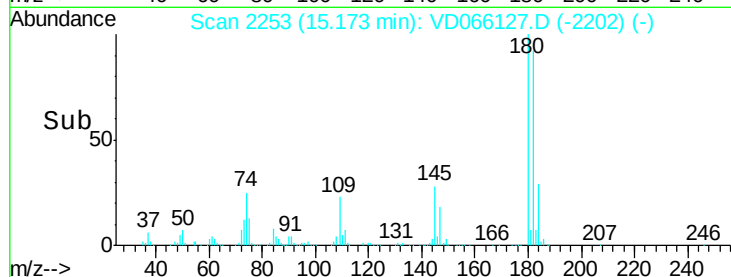
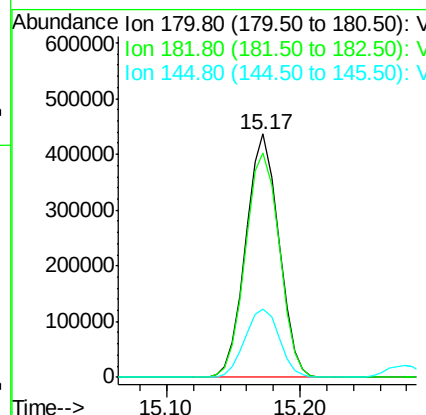
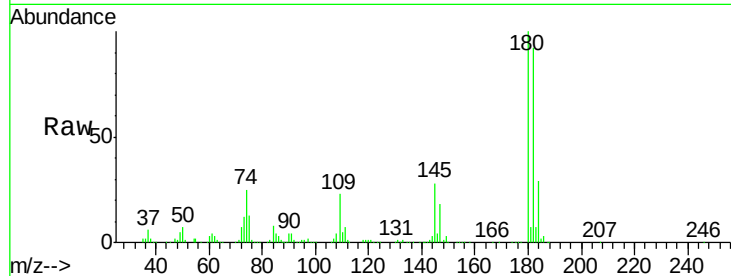
#93
 1,2,4-Trichlorobenzene
 Concen: 148.505 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	747016		
182	95.1	47.4	142.2	
145	29.5	14.5	43.6	

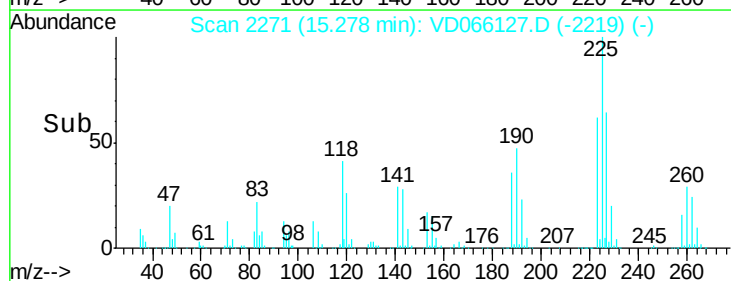
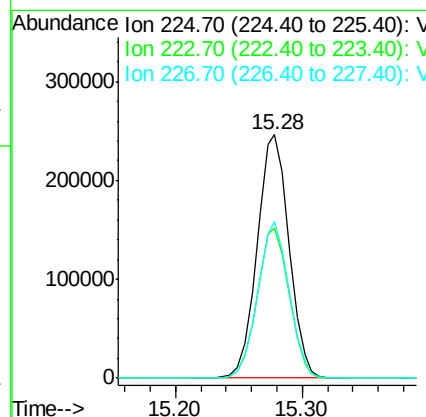
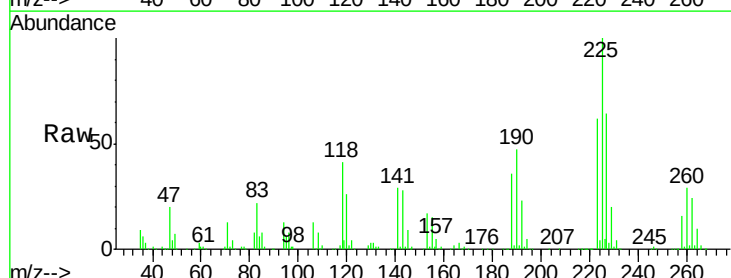
Manual Integrations
 APPROVED

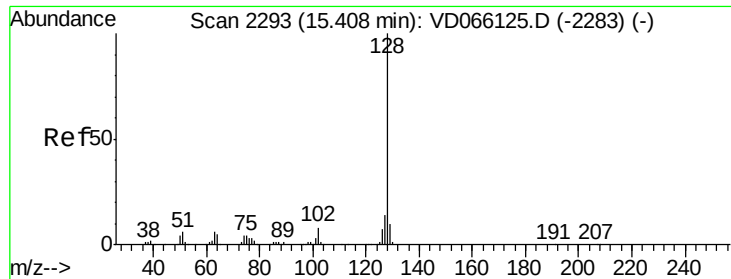
MMDadoda
 8/6/2020 1:54:29 PM



#94
 Hexachlorobutadiene
 Concen: 144.038 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066127.D
 Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	430252		
223	62.2	32.3	96.9	
227	63.4	32.1	96.5	





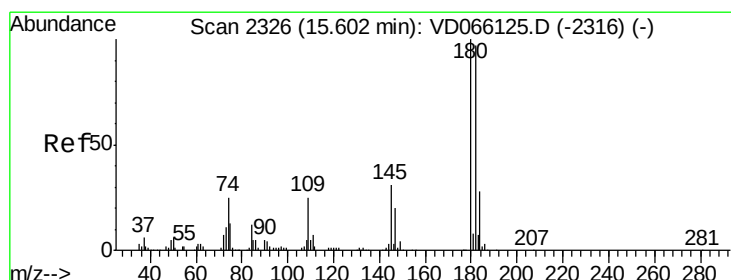
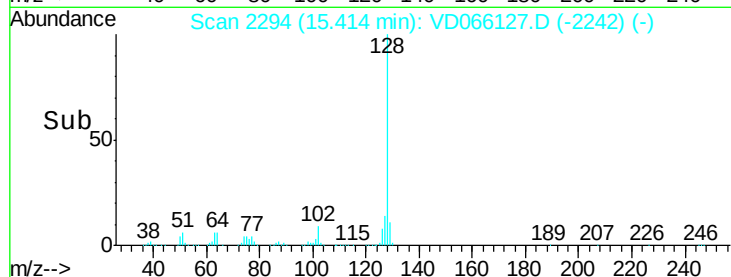
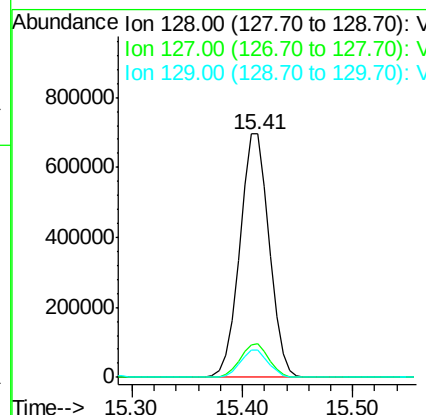
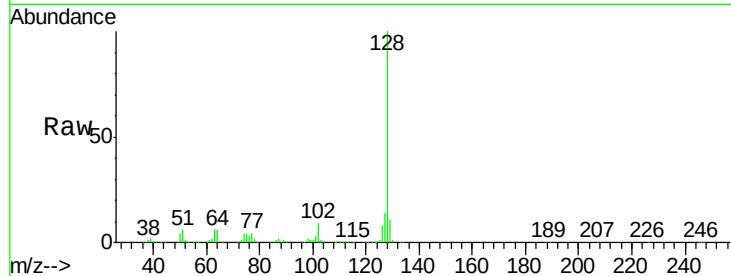
#95
Naphthalene
Concen: 163.831 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 147.182 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066127.D
Acq: 05 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.4
145	30.9	14.9	44.9

