

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064176.D
 Acq On : 11 Nov 2019 14:21
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:44 AM

Quant Time: Nov 12 03:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	666658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	953843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	272386	49.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.36%	
35) Dibromofluoromethane	7.92	113	265399	48.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.94%	
50) Toluene-d8	10.34	98	1016667	49.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.64	95	343085	47.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	109323	19.772	ug/l	99
3) Chloromethane	2.21	50	133025	22.430	ug/l	99
4) Vinyl Chloride	2.35	62	137503	21.681	ug/l	97
5) Bromomethane	2.76	94	93446	23.334	ug/l	96
6) Chloroethane	2.92	64	86160	21.261	ug/l	99
7) Trichlorofluoromethane	3.27	101	221271	21.520	ug/l	100
8) Diethyl Ether	3.71	74	59365	20.998	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	116283	19.786	ug/l	98
10) Methyl Iodide	4.29	142	114310	18.378	ug/l	95
11) Tert butyl alcohol	5.26	59	41039	107.164	ug/l	100
12) 1,1-Dichloroethene	4.06	96	115969	20.702	ug/l	90
13) Acrolein	3.92	56	29243	90.265	ug/l	96
14) Allyl chloride	4.71	41	207151	20.915	ug/l	99
15) Acrylonitrile	5.43	53	126866	105.258	ug/l	99
16) Acetone	4.17	43	123483	95.068	ug/l	100
17) Carbon Disulfide	4.40	76	359992	20.636	ug/l	100
18) Methyl Acetate	4.73	43	73551	20.274	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	275354	20.590	ug/l	99
20) Methylene Chloride	4.96	84	131334	20.017	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	131266	20.683	ug/l	96
22) Diisopropyl ether	6.37	45	376834	20.506	ug/l	98
23) Vinyl Acetate	6.31	43	1093393	106.737	ug/l	100
24) 1,1-Dichloroethane	6.27	63	221892	20.796	ug/l	99
25) 2-Butanone	7.22	43	177195	105.593	ug/l	97
26) 2,2-Dichloropropane	7.21	77	218773	20.907	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	143302	21.055	ug/l	98
28) Bromochloromethane	7.55	49	64804	17.445	ug/l	96
29) Tetrahydrofuran	7.57	42	105202	104.342	ug/l	99
30) Chloroform	7.71	83	237071	21.721	ug/l	97
31) Cyclohexane	7.98	56	214790	19.960	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	217527	20.814	ug/l	100
36) 1,1-Dichloropropene	8.11	75	177764	20.193	ug/l	100
37) Ethyl Acetate	7.30	43	72840	19.627	ug/l	95
38) Carbon Tetrachloride	8.09	117	190324	20.205	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064176.D
 Acq On : 11 Nov 2019 14:21
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:44 AM

Quant Time: Nov 12 03:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221176	19.856	ug/l	98
40) Benzene	8.35	78	487021	20.243	ug/l	99
41) Methacrylonitrile	7.53	41	44887	19.244	ug/l	92
42) 1,2-Dichloroethane	8.43	62	148787	20.591	ug/l	98
43) Isopropyl Acetate	8.46	43	156766	20.501	ug/l	99
44) Trichloroethene	9.11	130	146357	20.268	ug/l	96
45) 1,2-Dichloropropane	9.39	63	118404	20.219	ug/l	94
46) Dibromomethane	9.48	93	64079	20.440	ug/l	99
47) Bromodichloromethane	9.67	83	174176	20.626	ug/l	99
48) Methyl methacrylate	9.46	41	72870	19.489	ug/l	99
49) 1,4-Dioxane	9.47	88	15255	405.164	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	380785	103.845	ug/l	99
52) Toluene	10.40	92	318330	20.122	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	171675	20.292	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	203225	20.586	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	85059	20.000	ug/l	97
56) Ethyl methacrylate	10.66	69	120747	20.296	ug/l	96
57) 1,3-Dichloropropane	10.95	76	152652	20.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	238334	98.899	ug/l	99
59) 2-Hexanone	10.99	43	265950	101.944	ug/l	99
60) Dibromochloromethane	11.14	129	119119	20.073	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87071	20.441	ug/l	98
64) Tetrachloroethene	10.88	164	127182	20.115	ug/l	97
65) Chlorobenzene	11.67	112	339740	20.323	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	127006	19.980	ug/l	99
67) Ethyl Benzene	11.75	91	616989	20.404	ug/l	98
68) m/p-Xylenes	11.86	106	464528	40.078	ug/l	99
69) o-Xylene	12.18	106	215410	20.039	ug/l	98
70) Styrene	12.20	104	375469	20.010	ug/l	100
71) Bromoform	12.37	173	74344	20.551	ug/l #	100
73) Isopropylbenzene	12.48	105	598776	20.733	ug/l	99
74) N-amyl acetate	12.29	43	143689	21.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	93732	21.539	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	55453m	17.497	ug/l	
77) Bromobenzene	12.77	156	142631	20.329	ug/l	97
78) n-propylbenzene	12.83	91	688233	20.858	ug/l	100
79) 2-Chlorotoluene	12.91	91	381797	20.495	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	487526	20.544	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33016	20.694	ug/l	99
82) 4-Chlorotoluene	13.01	91	403558	20.770	ug/l	99
83) tert-Butylbenzene	13.23	119	426893	20.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	483410	20.634	ug/l	100
85) sec-Butylbenzene	13.41	105	582029	20.710	ug/l	100
86) p-Isopropyltoluene	13.52	119	545123	20.402	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261177	20.053	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	260184	20.469	ug/l	97
89) n-Butylbenzene	13.85	91	493779	20.456	ug/l	99
90) Hexachloroethane	14.12	117	101831	20.622	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	223694	20.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15304	19.670	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
Data File : VD064176.D
Acq On : 11 Nov 2019 14:21
Operator : VA/SY
Sample : VD1111SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

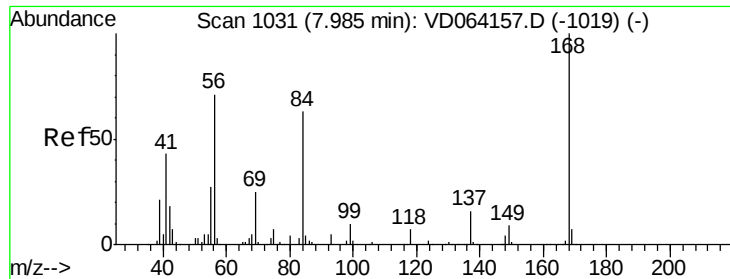
Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM

Quant Time: Nov 12 03:00:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	175856	20.680	ug/l	99
94) Hexachlorobutadiene	15.27	225	107341	19.543	ug/l	96
95) Naphthalene	15.41	128	284421	20.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	147871	20.457	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: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:168 Resp: 666658

Ion Ratio Lower Upper

168 100

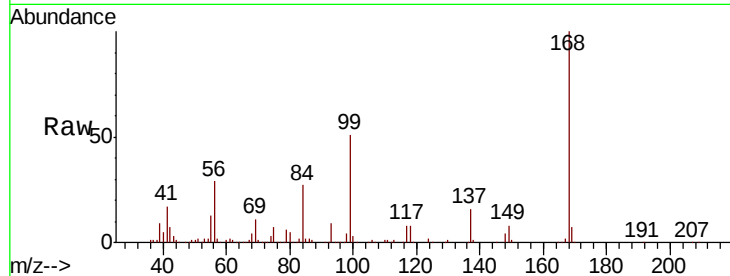
99 50.9 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

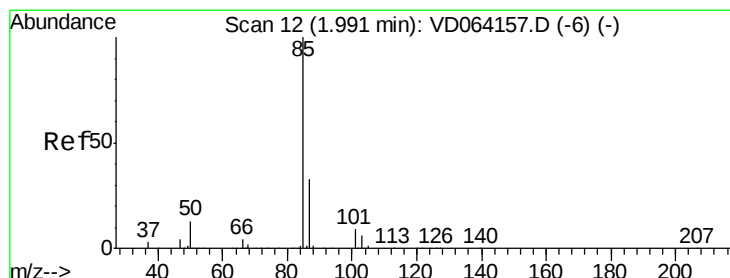
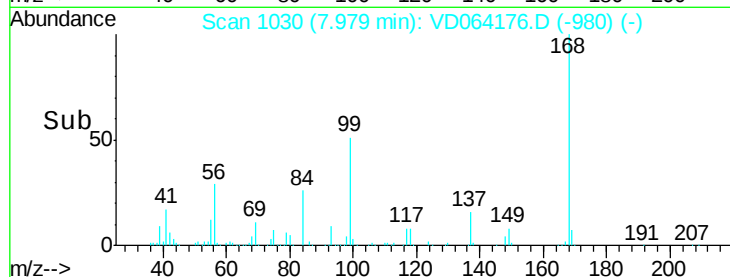
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.772 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064176.D

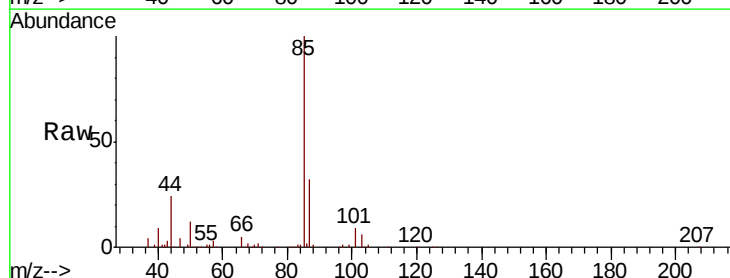
Acq: 11 Nov 2019 14:21

Tgt Ion: 85 Resp: 109323

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

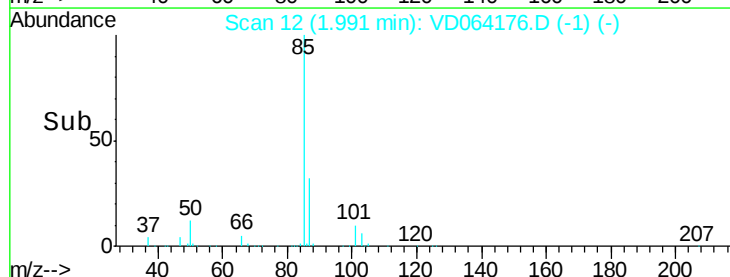
60000

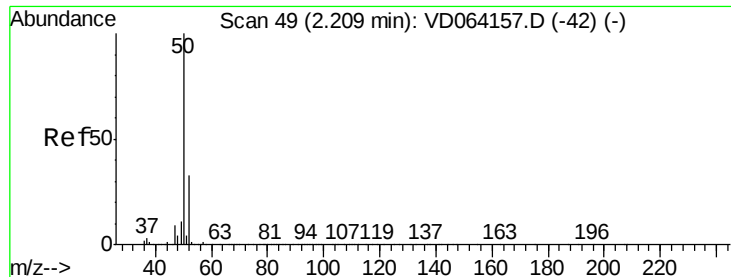
40000

20000

0

Time-->





#3

Chloromethane

Concen: 22.430 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 50 Resp: 133025

Ion Ratio Lower Upper

50 100

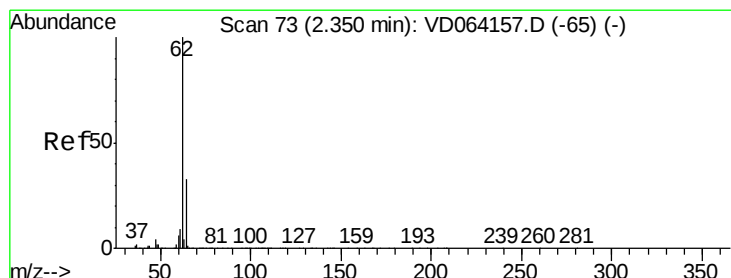
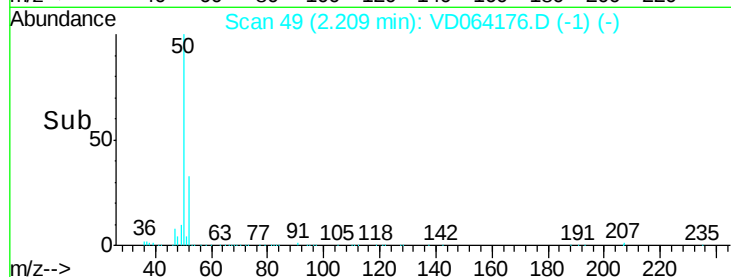
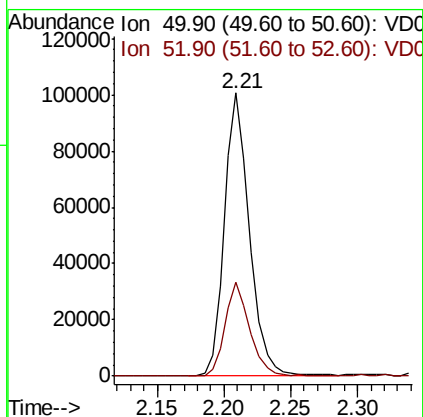
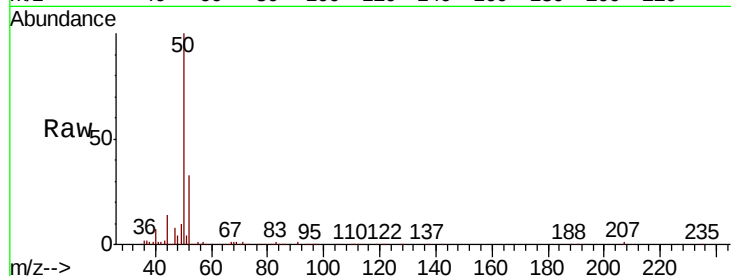
52 33.2 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 10:25:44 AM



#4

Vinyl Chloride

Concen: 21.681 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064176.D

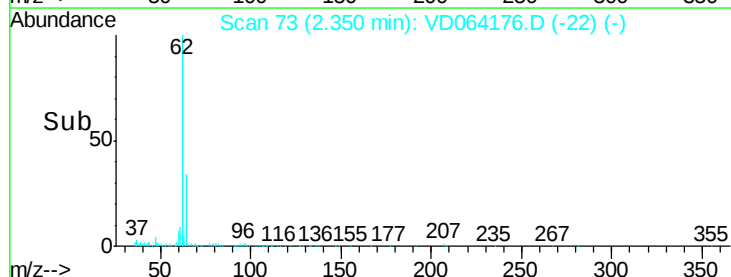
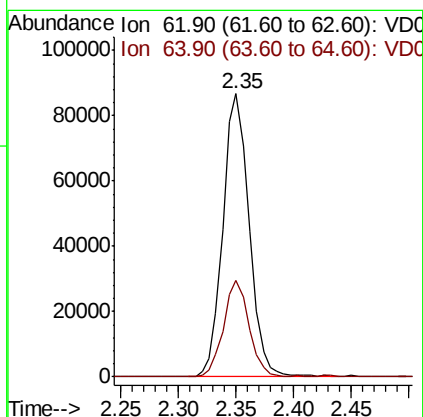
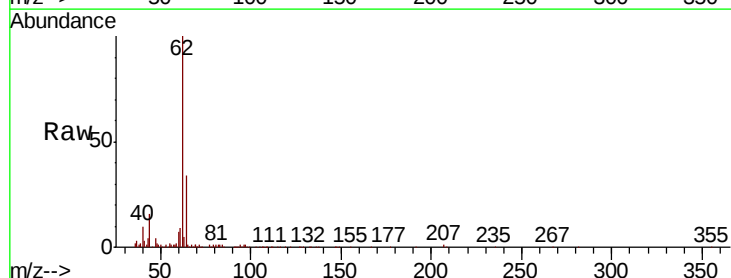
Acq: 11 Nov 2019 14:21

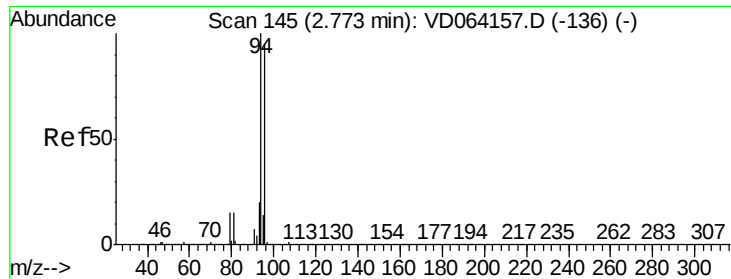
Tgt Ion: 62 Resp: 137503

Ion Ratio Lower Upper

62 100

64 34.3 26.2 39.2





#5

Bromomethane

Concen: 23.334 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 94 Resp: 93446

Ion Ratio Lower Upper

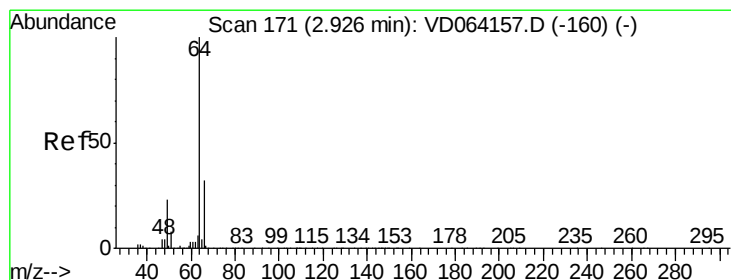
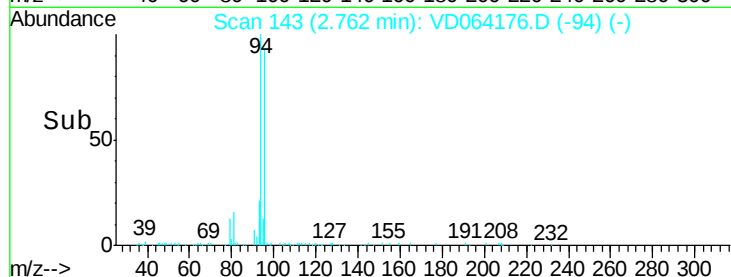
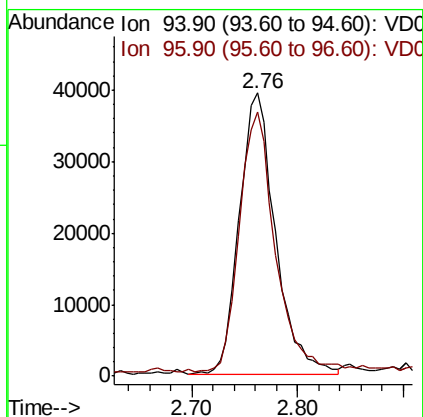
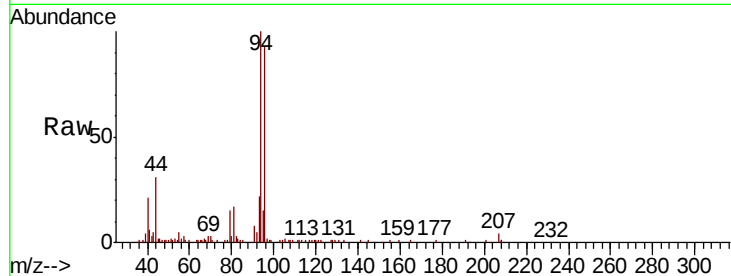
94 100

96 91.3 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

11/12/2019 10:25:44 AM



#6

Chloroethane

Concen: 21.261 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064176.D

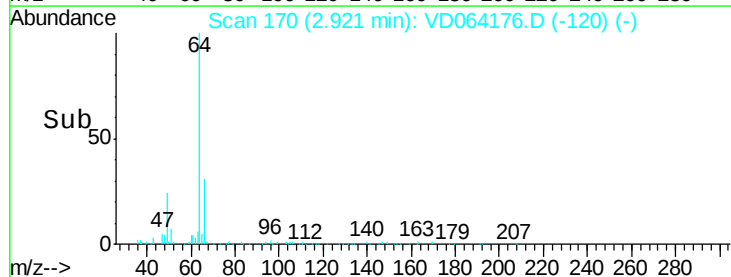
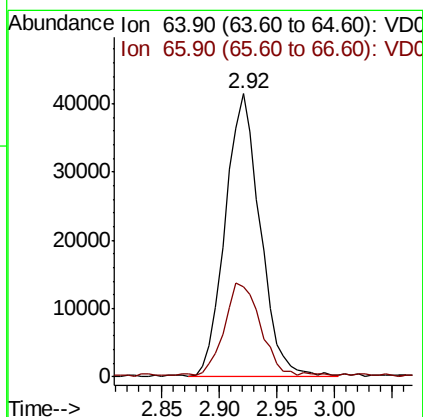
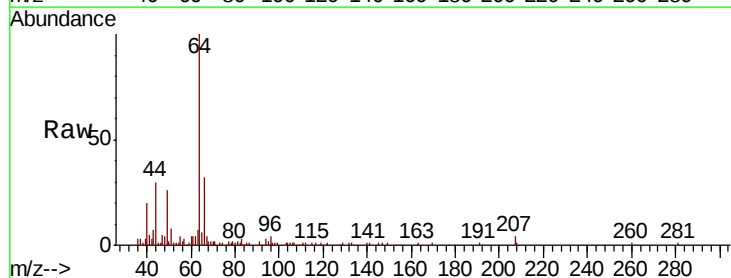
Acq: 11 Nov 2019 14:21

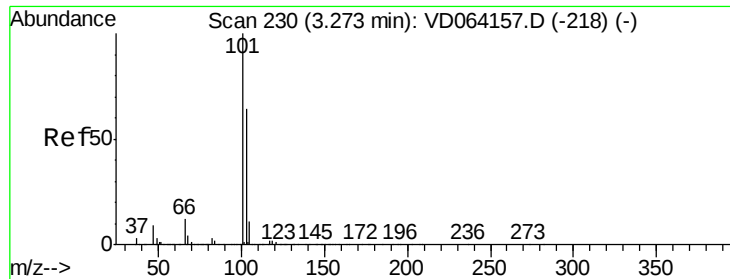
Tgt Ion: 64 Resp: 86160

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

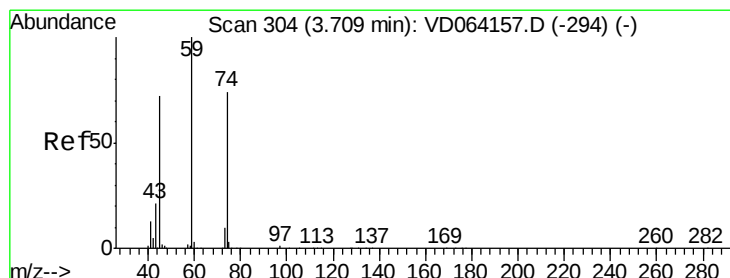
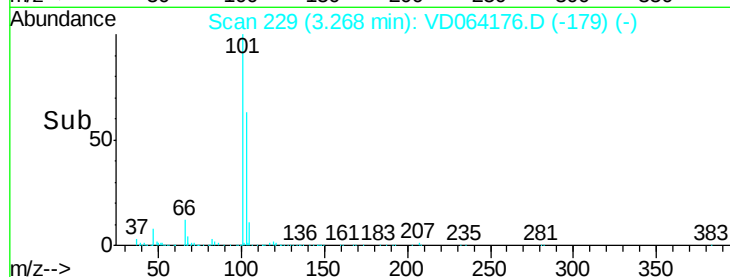
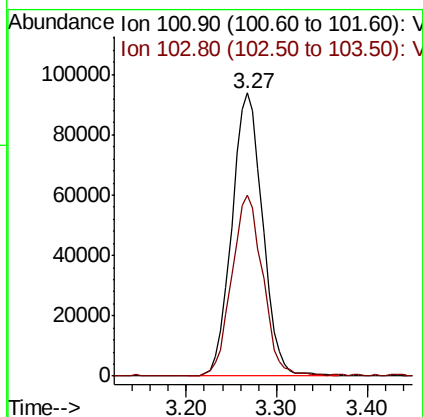
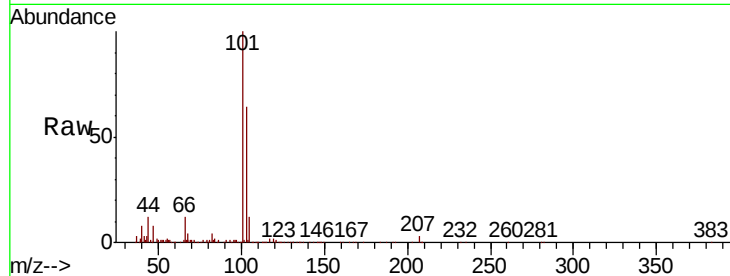
Trichlorofluoromethane
Concen: 21.520 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	221271		
103	63.6	50.8	76.2	

Manual Integrations
APPROVED

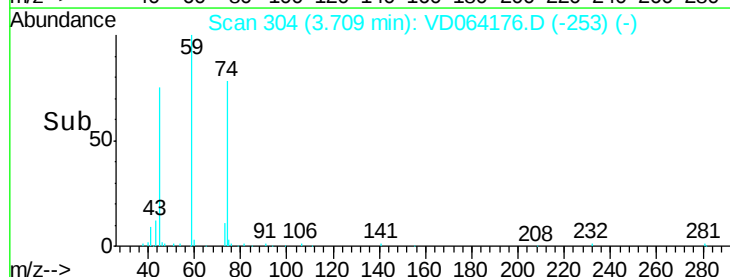
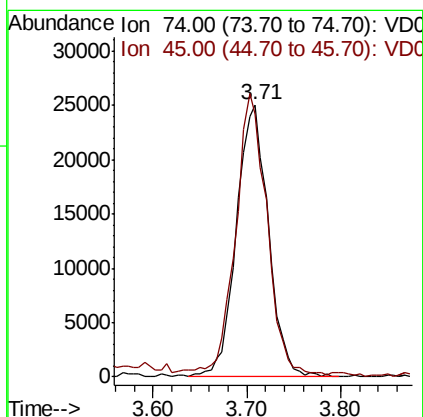
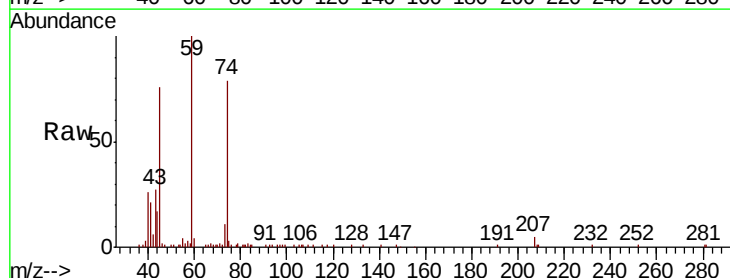
MMDadoda
11/12/2019 10:25:44 AM



#8

Diethyl Ether
Concen: 20.998 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59365		
45	100.8	47.9	143.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.786 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

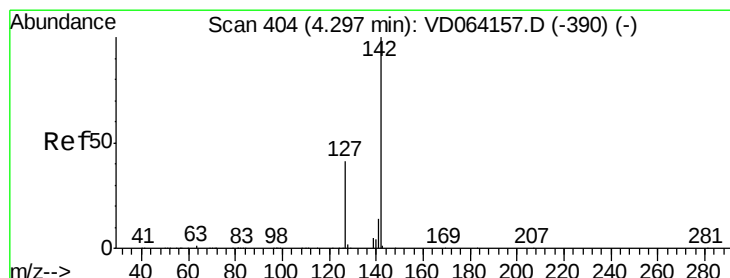
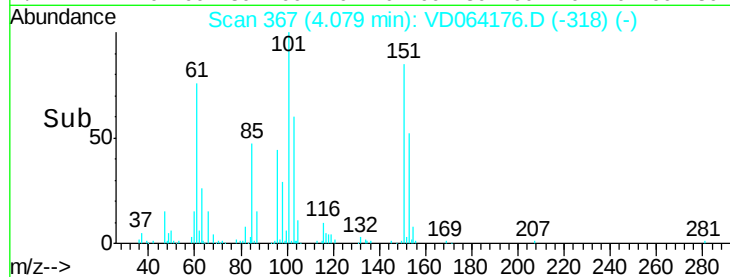
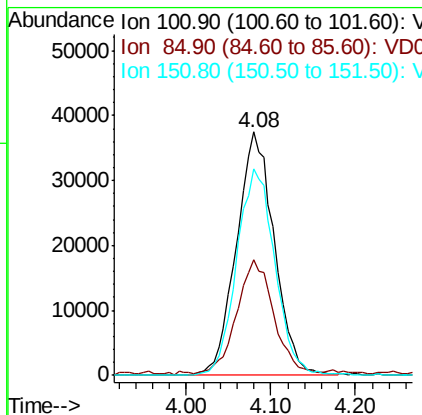
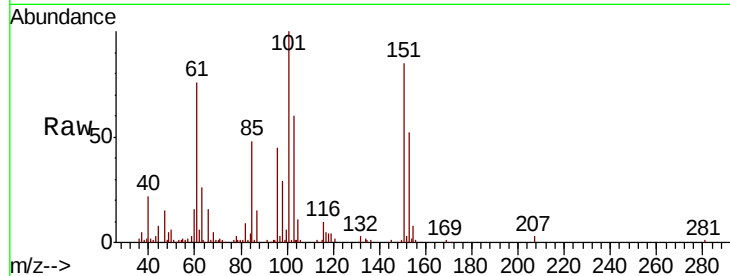
ClientSampleId :

VD1111SBS01

Tot Ion:	101	Resp:	116283
Ion Ratio	Lower	Upper	
101	100		
85	46.3	34.4	51.6
151	85.9	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#10

Methyl Iodide

Concen: 18.378 ug/l

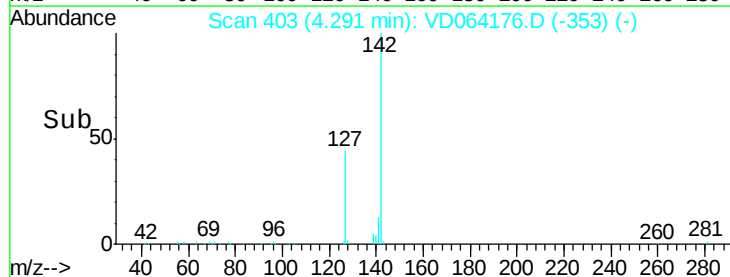
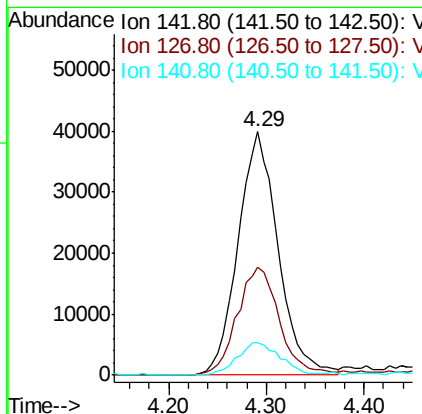
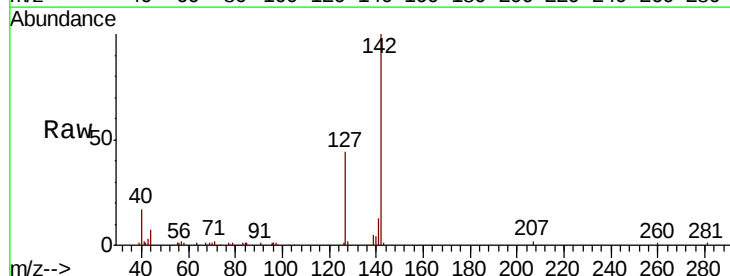
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion:	142	Resp:	114310
Ion Ratio	Lower	Upper	
142	100		
127	46.9	34.4	51.6
141	14.3	11.2	16.8





#11

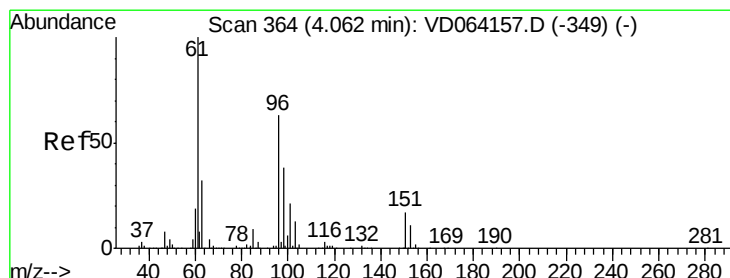
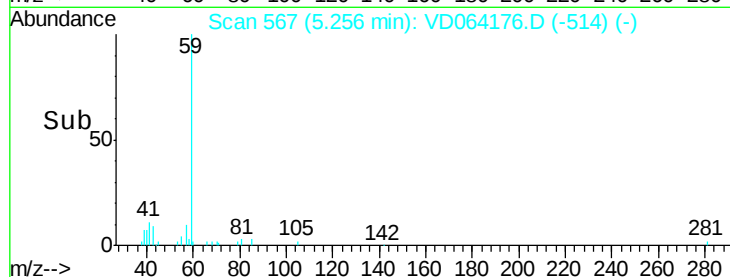
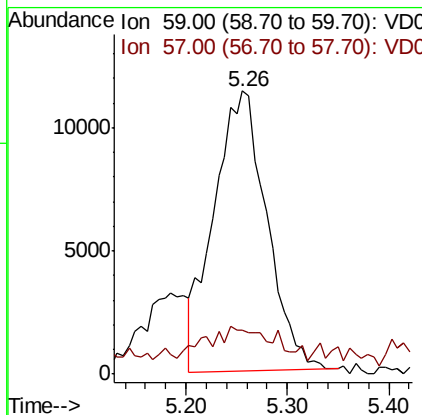
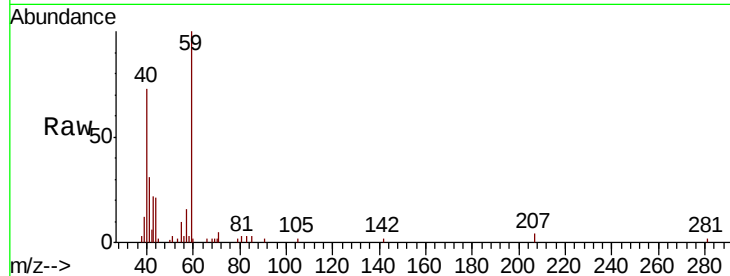
Tert butyl alcohol
Concen: 107.164 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.4	14.2

Manual Integrations
APPROVED

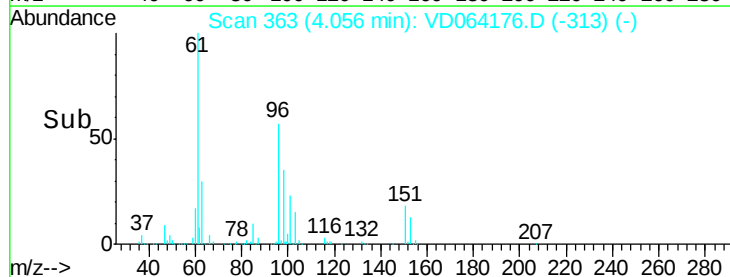
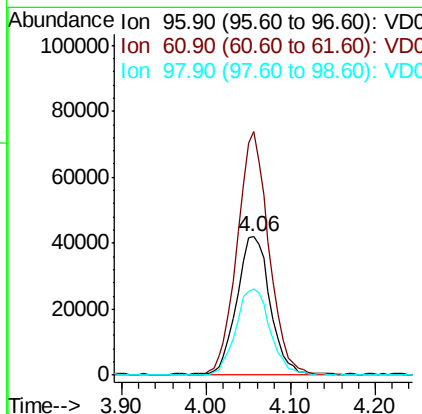
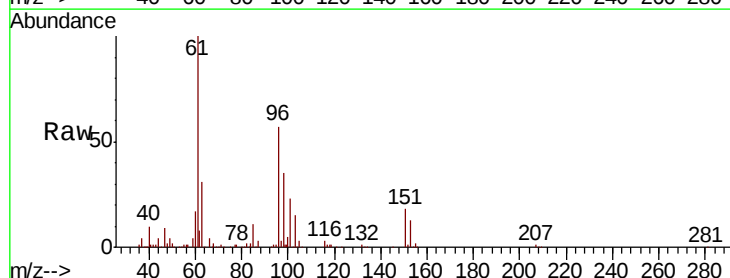
MMDadoda
11/12/2019 10:25:44 AM

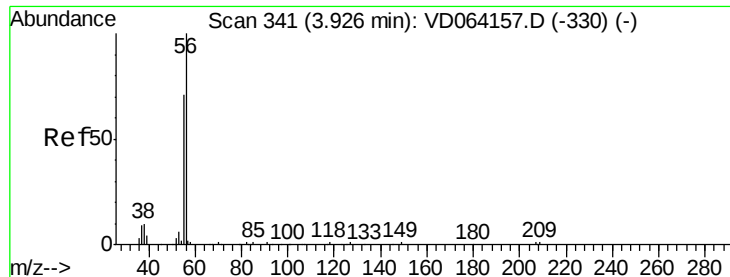


#12

1,1-Dichloroethene
Concen: 20.702 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.8	127.4	191.2
98	62.2	48.1	72.1





#13

Acrolein

Concen: 90.265 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 56 Resp: 29243

Ion Ratio Lower Upper

56 100

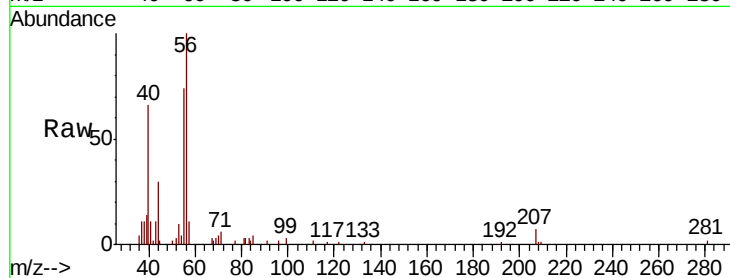
55 73.4 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

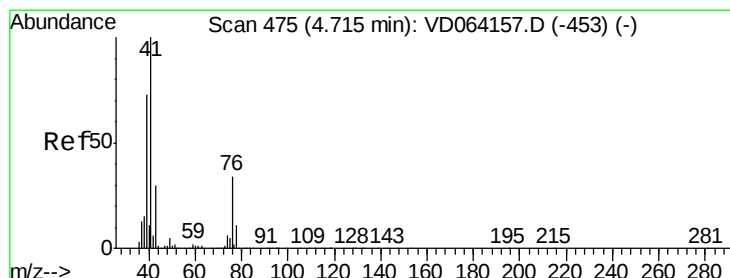
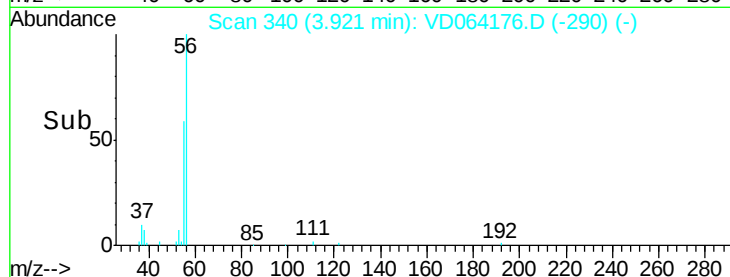
4000

2000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 20.915 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

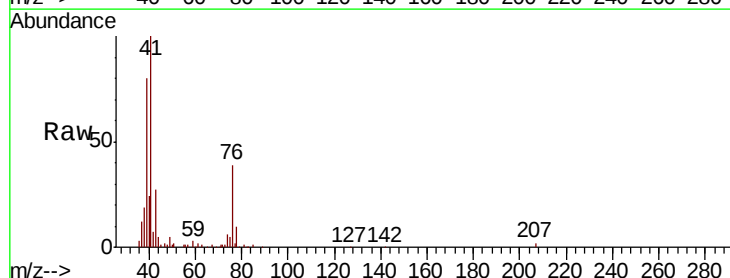
Tgt Ion: 41 Resp: 207151

Ion Ratio Lower Upper

41 100

39 71.7 57.5 86.3

76 35.3 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

80000

60000

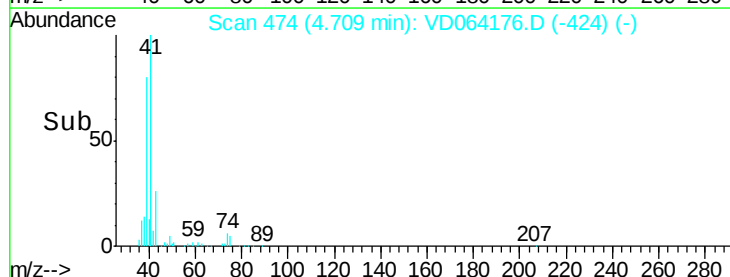
40000

20000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 105.258 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

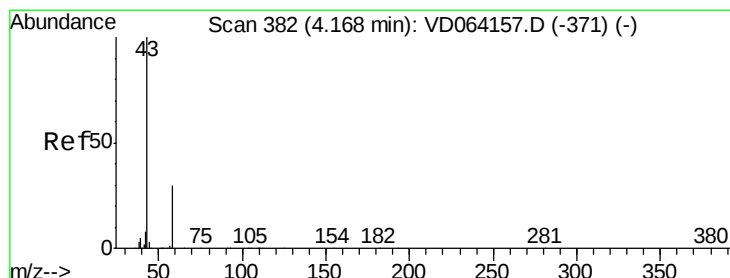
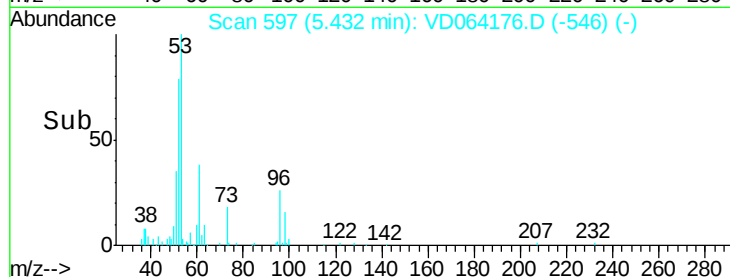
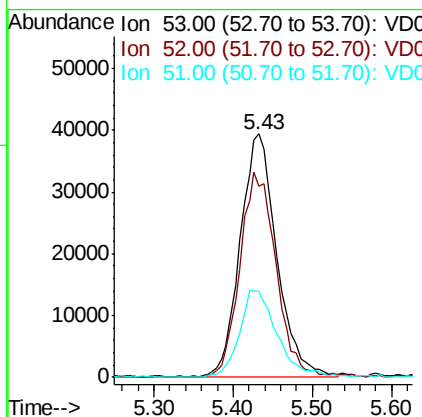
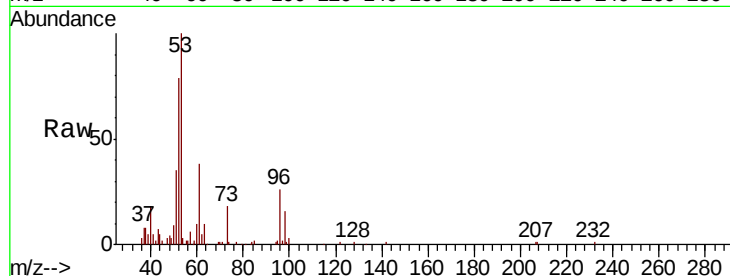
ClientSampleId :

VD1111SBS01

Tot Ion:	53	Resp:	126866
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	37.0	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#16

Acetone

Concen: 95.068 ug/l

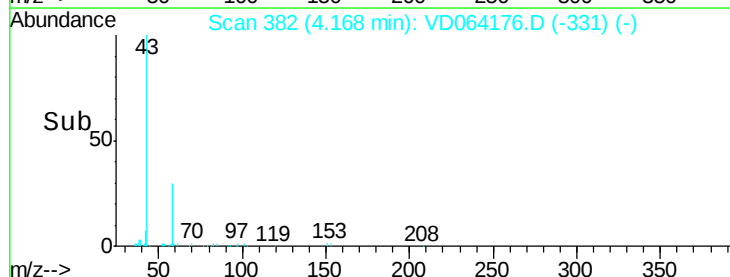
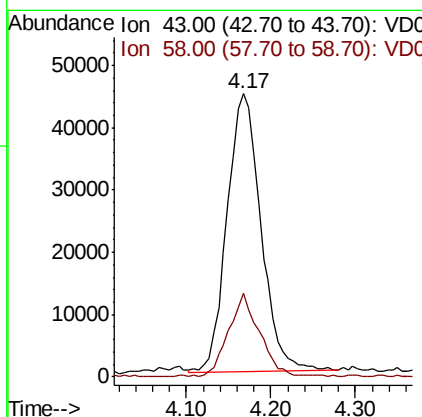
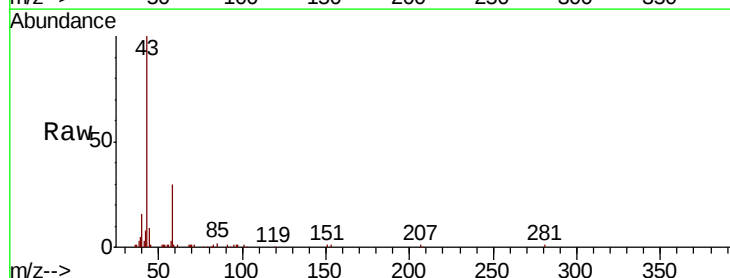
RT: 4.17 min Scan# 382

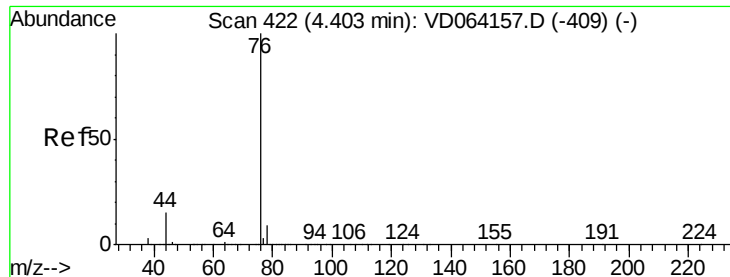
Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion:	43	Resp:	123483
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.1	36.1





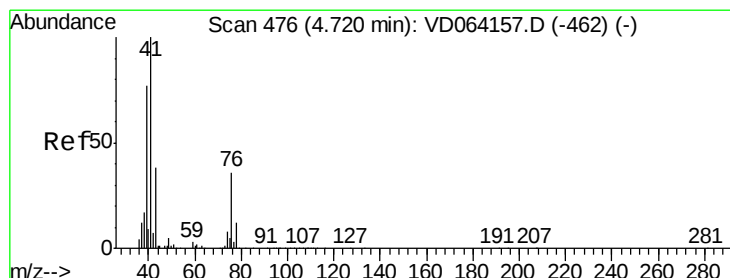
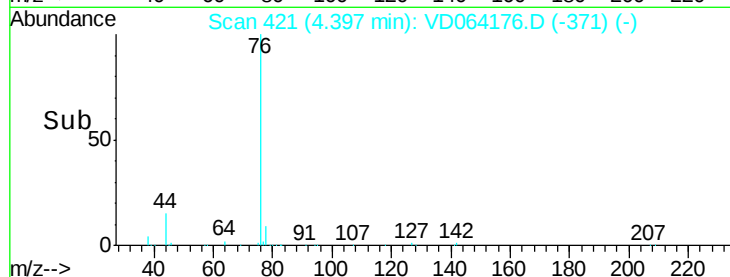
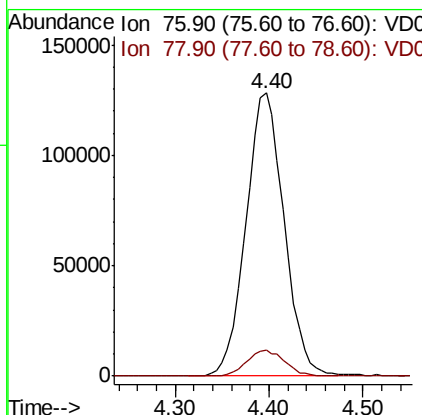
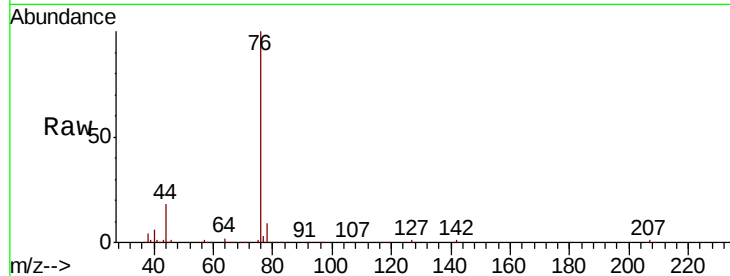
#17
Carbon Disulfide
Concen: 20.636 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

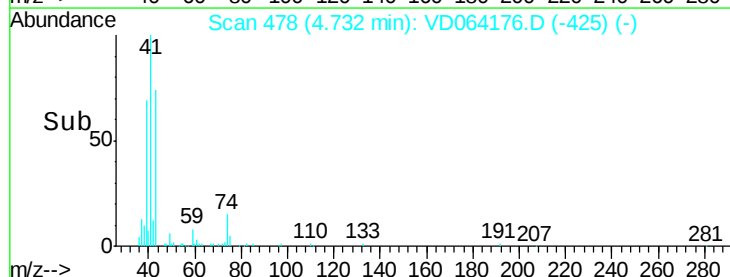
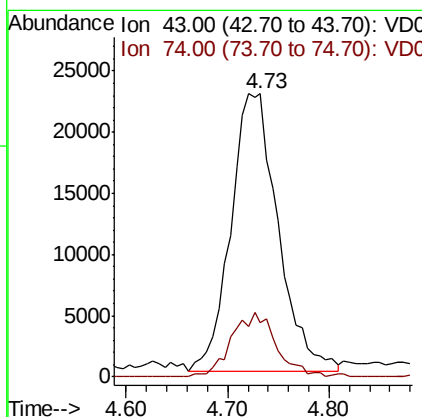
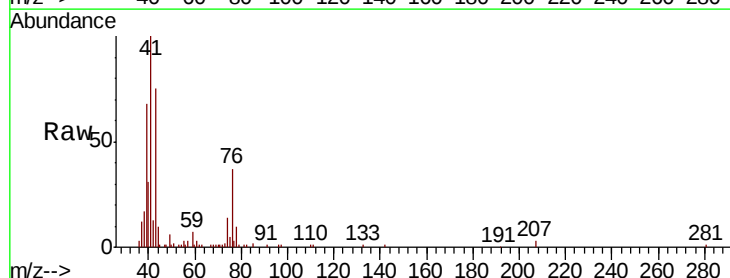
Manual Integrations
APPROVED

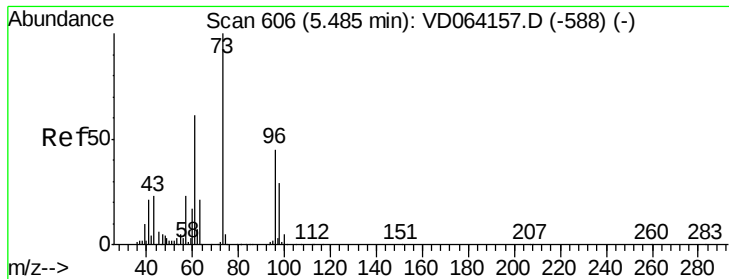
MMDadoda
11/12/2019 10:25:44 AM



#18
Methyl Acetate
Concen: 20.274 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.4	27.6





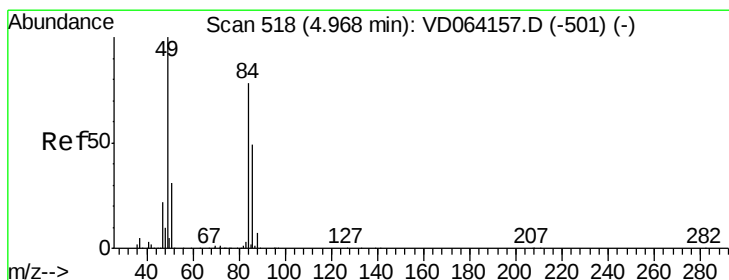
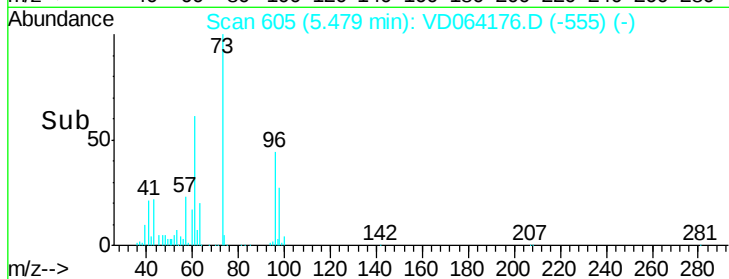
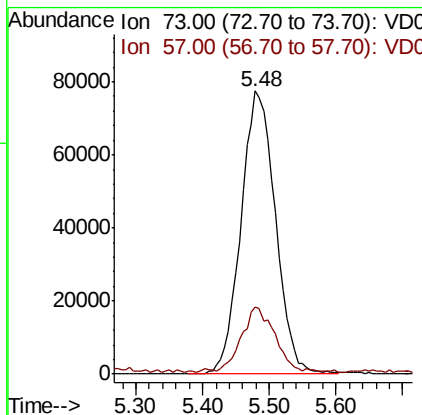
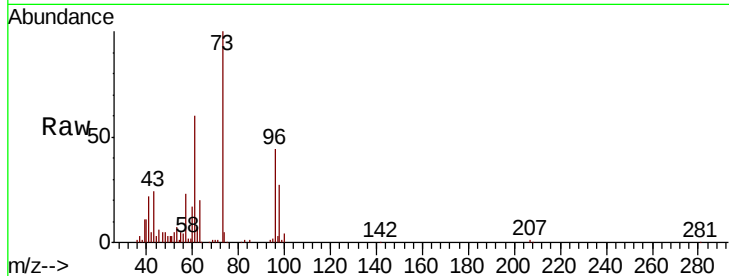
#19
Methyl tert-butyl Ether
Concen: 20.590 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 73 Resp: 275354
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

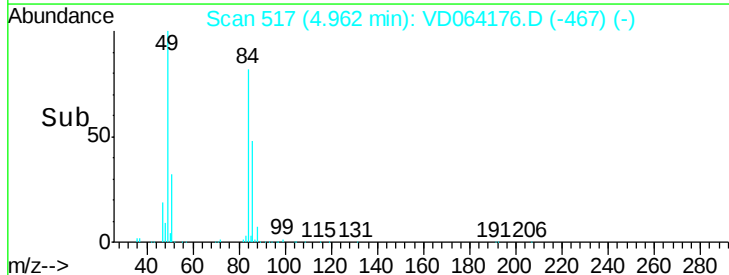
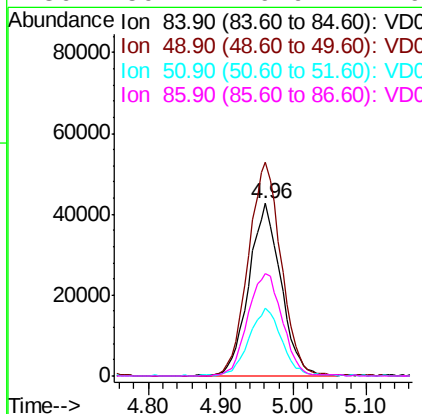
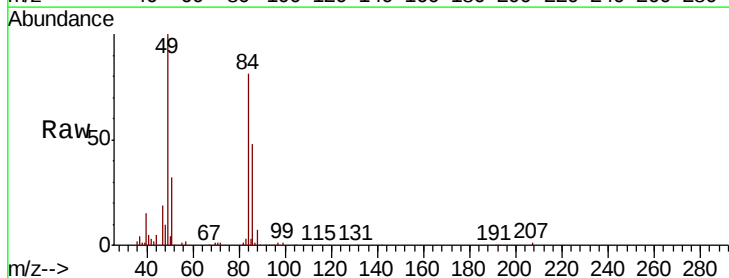
Manual Integrations
APPROVED

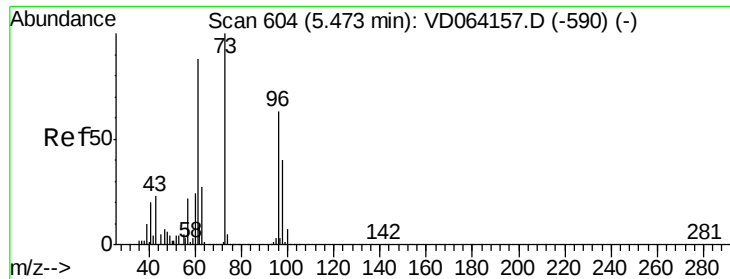
MMDadoda
11/12/2019 10:25:44 AM



#20
Methylene Chloride
Concen: 20.017 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 84 Resp: 131334
Ion Ratio Lower Upper
84 100
49 123.7 102.1 153.1
51 39.7 32.2 48.2
86 59.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.683 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

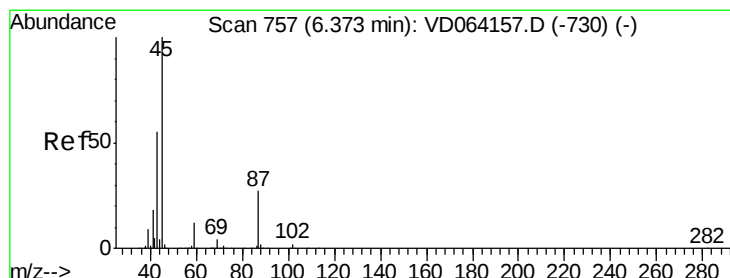
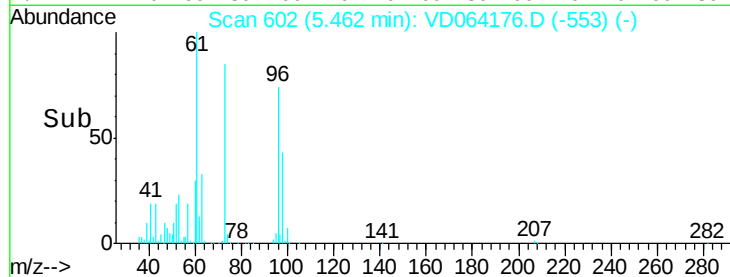
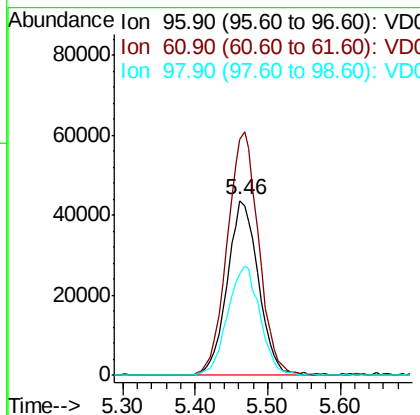
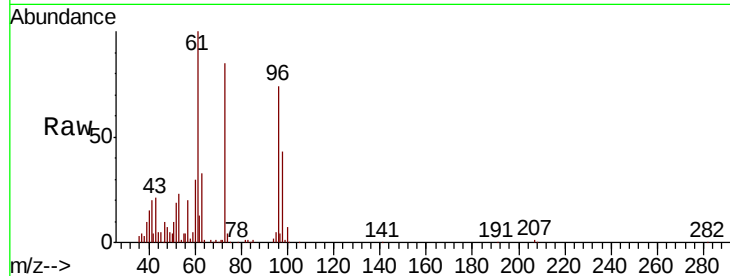
ClientSampleId :

VD1111SBS01

Tot Ion:	96	Resp:	131266
Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.8	167.6
98	58.3	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#22

Diisopropyl ether

Concen: 20.506 ug/l

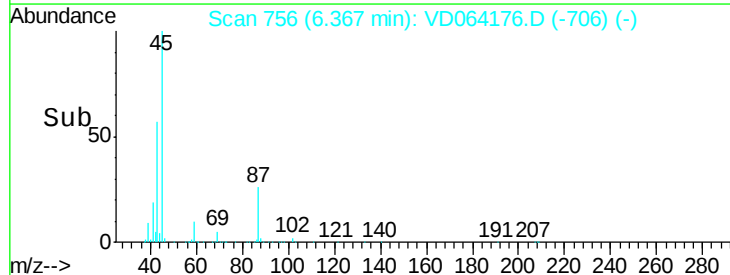
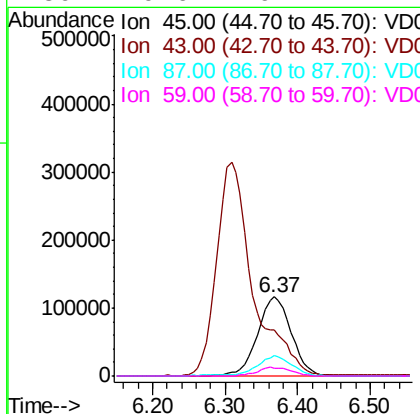
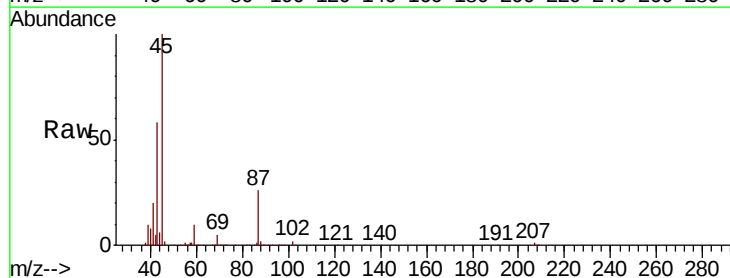
RT: 6.37 min Scan# 756

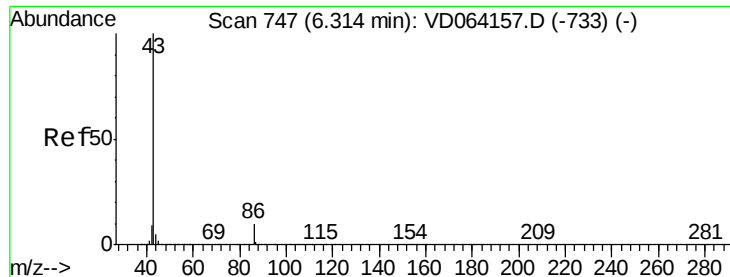
Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion:	45	Resp:	376834
Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.4	66.6
87	26.3	21.9	32.9
59	9.6	9.4	14.2





#23

Vinyl Acetate

Concen: 106.737 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 1093393

Ion Ratio Lower Upper

43 100

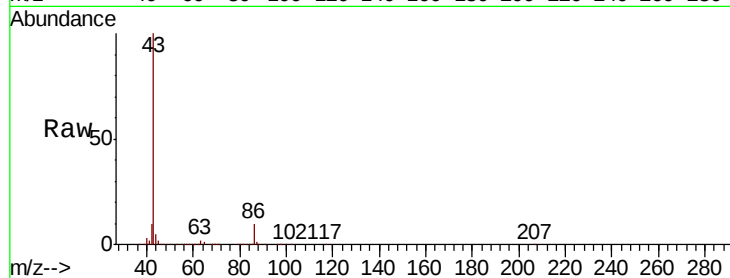
86 10.0 8.2 12.2

Manual Integrations

APPROVED

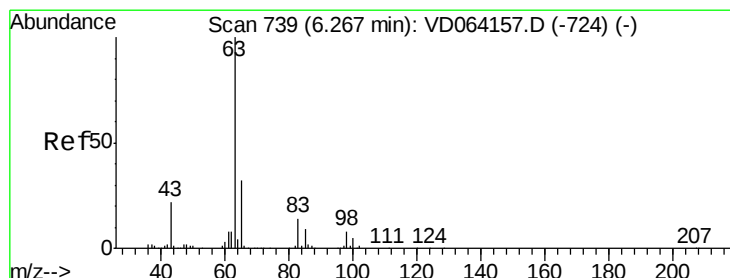
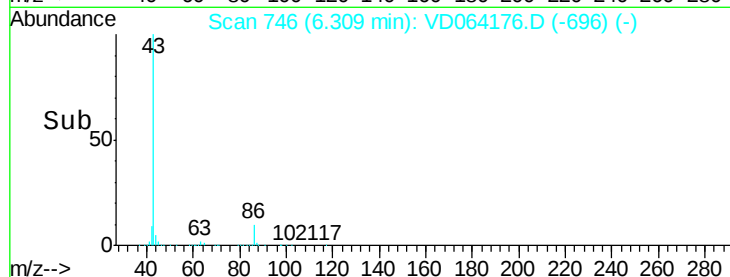
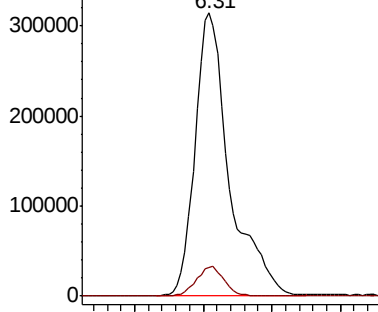
MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.796 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

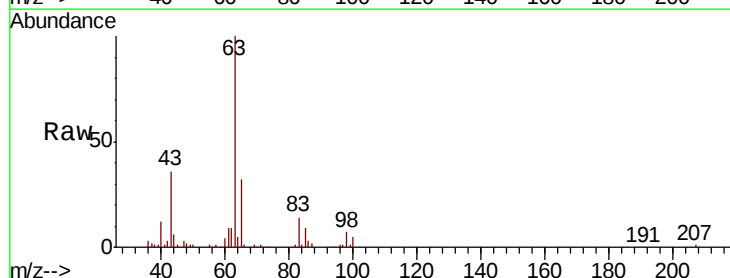
Tgt Ion: 63 Resp: 221892

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

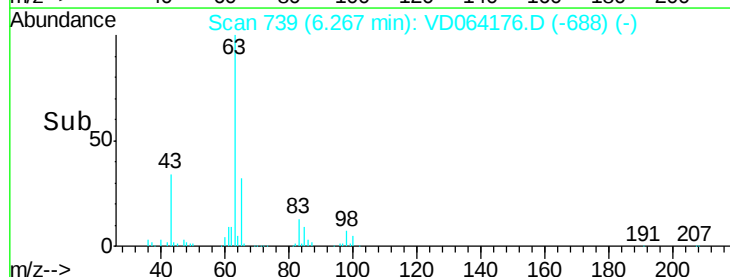
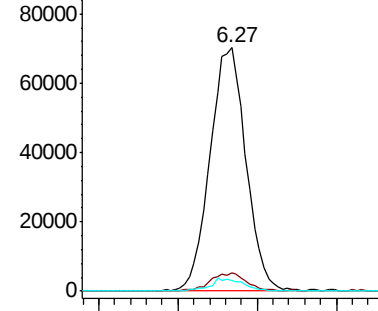
100 4.5 2.4 7.2

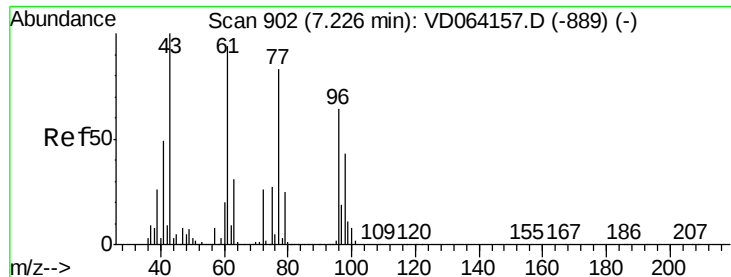


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 105.593 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 177195

Ion Ratio Lower Upper

43 100

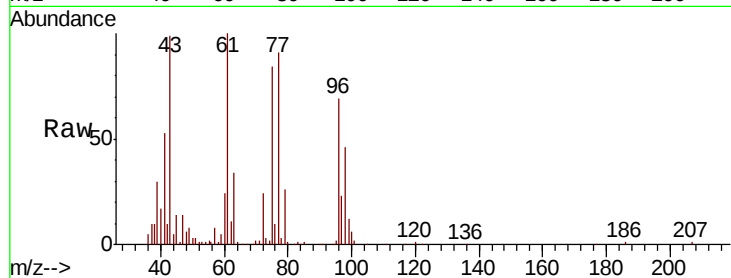
72 24.0 20.6 30.8

Manual Integrations

APPROVED

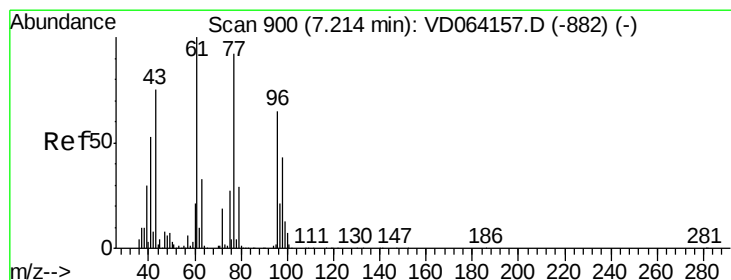
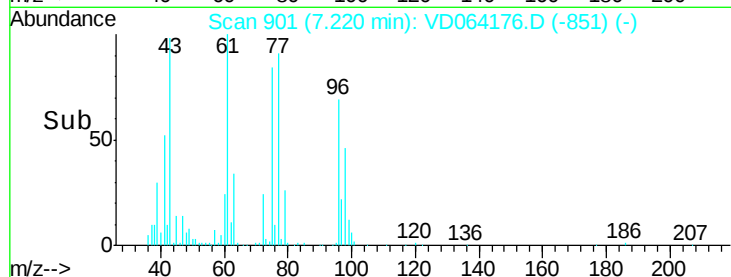
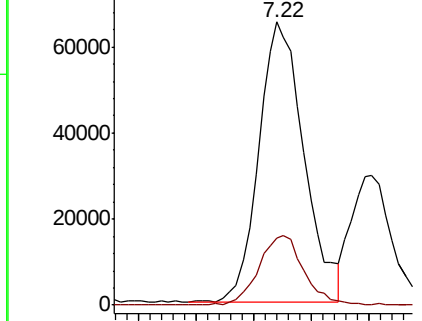
MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.907 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064176.D

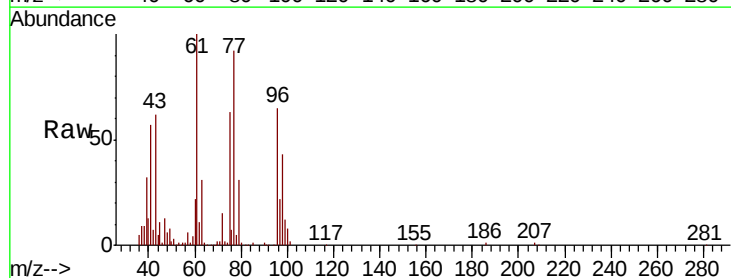
Acq: 11 Nov 2019 14:21

Tgt Ion: 77 Resp: 218773

Ion Ratio Lower Upper

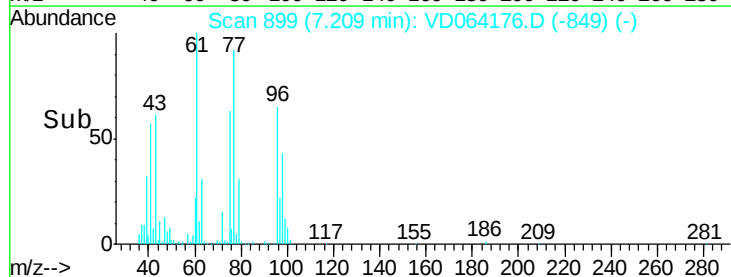
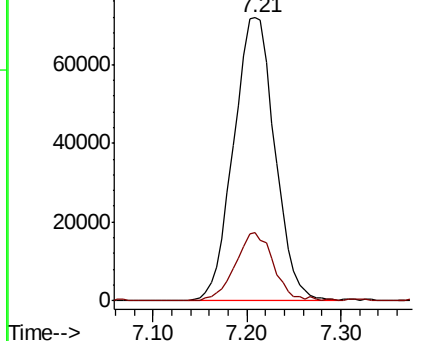
77 100

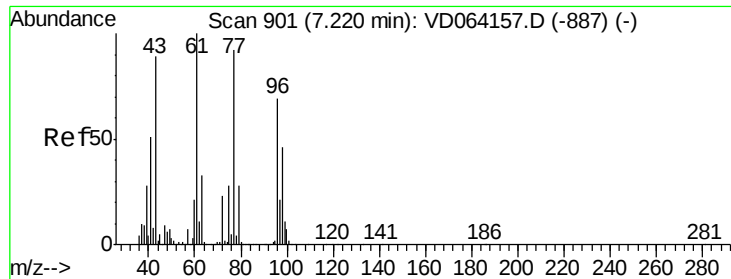
97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

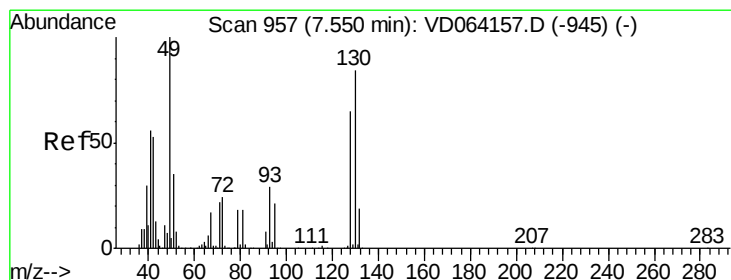
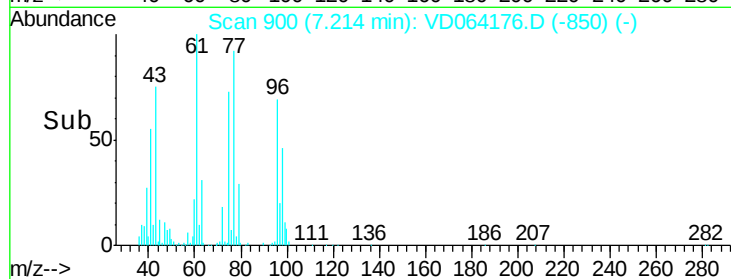
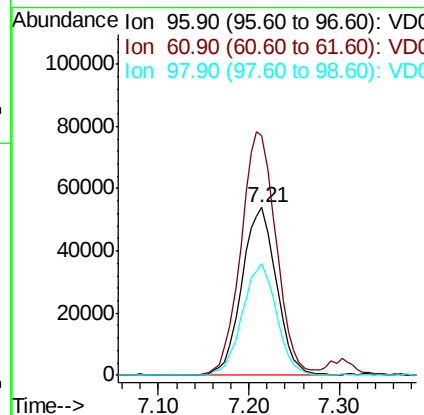
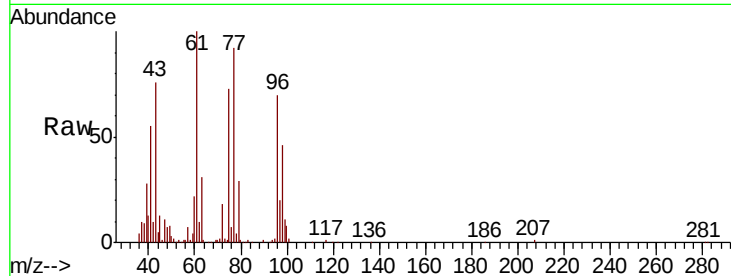
cis-1,2-Dichloroethene
Concen: 21.055 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	147.3	0.0	301.4		
98	65.6	0.0	133.2		

Manual Integrations
APPROVED

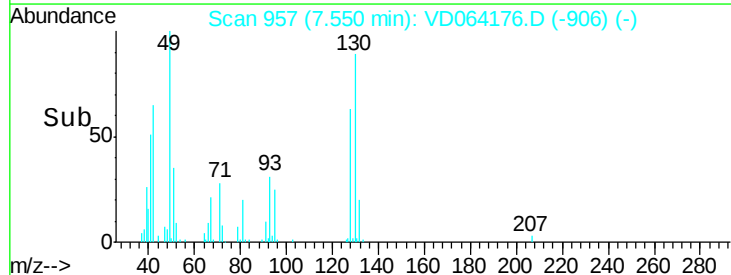
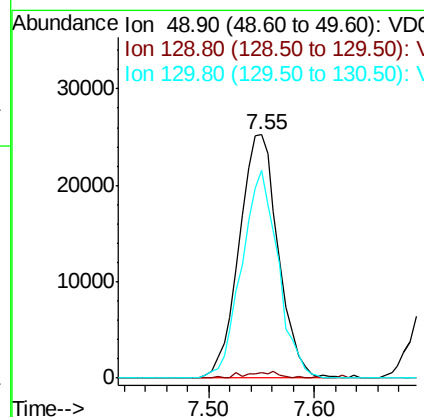
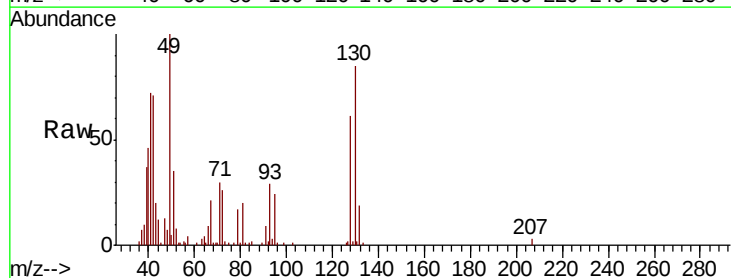
MMDadoda
11/12/2019 10:25:44 AM

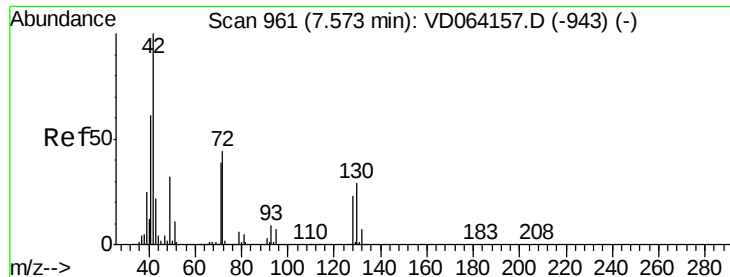


#28

Bromochloromethane
Concen: 17.445 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.7	0.0	4.4		
130	79.5	66.8	100.2		





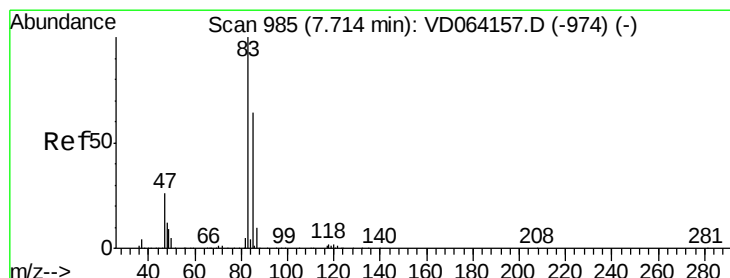
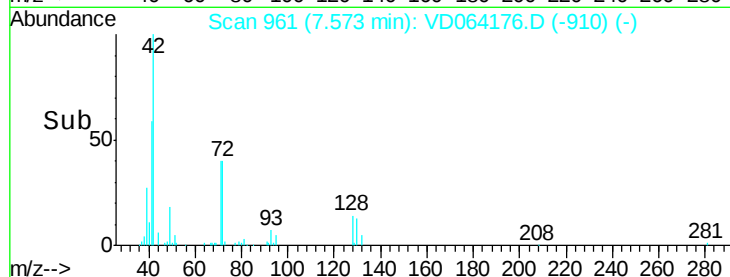
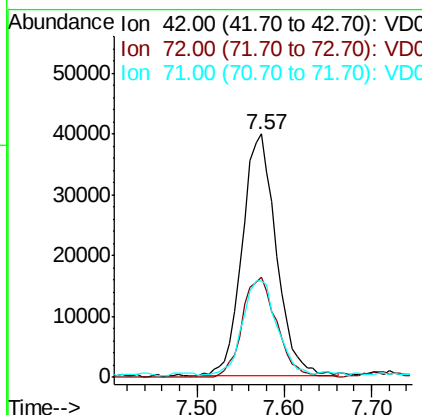
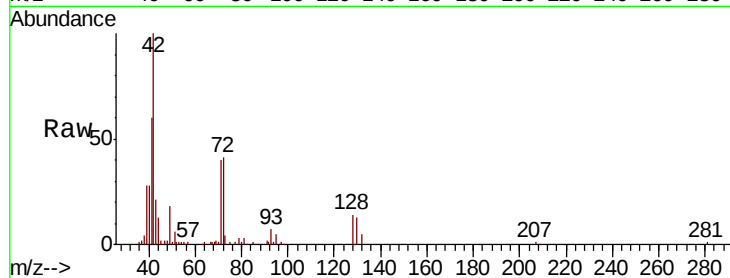
#29
Tetrahydrofuran
Concen: 104.342 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.4	50.2
71	40.0	31.0	46.4

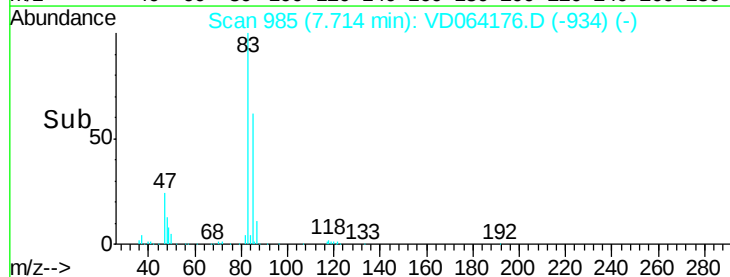
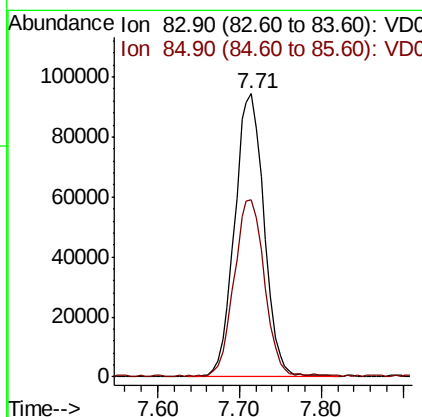
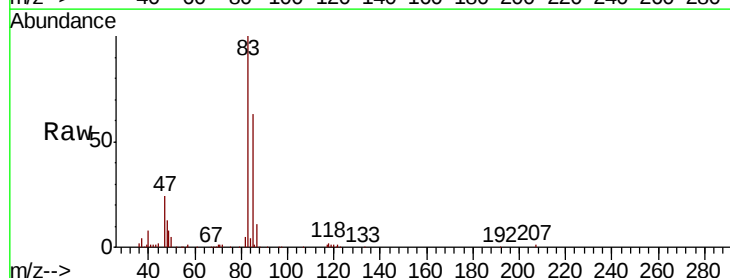
Manual Integrations
APPROVED

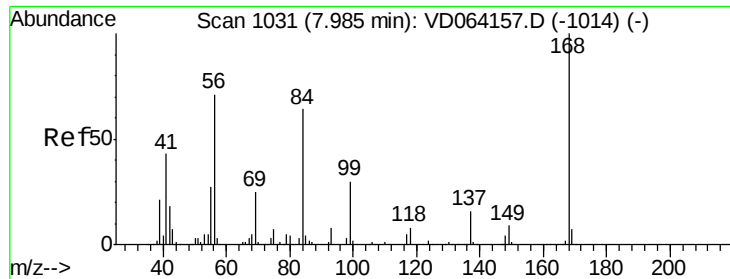
MMDadoda
11/12/2019 10:25:44 AM



#30
Chloroform
Concen: 21.721 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.0





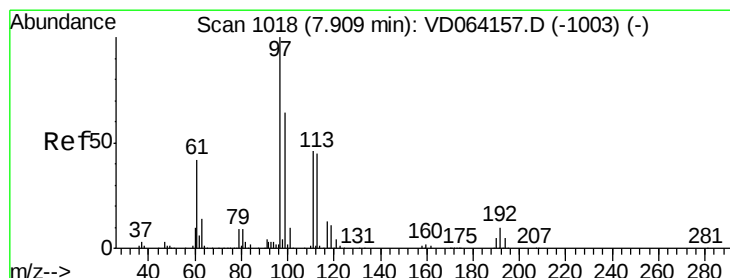
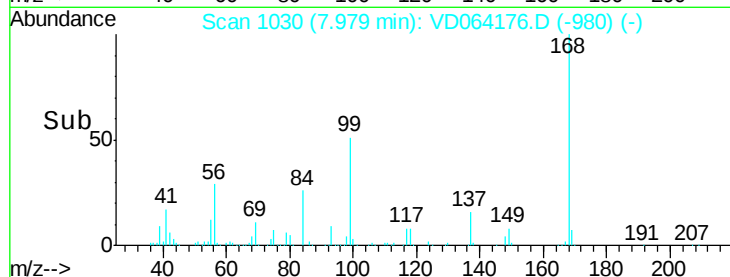
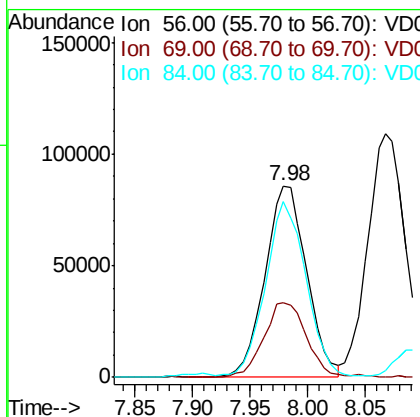
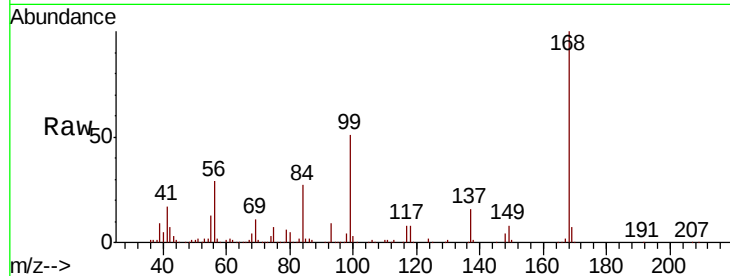
#31
Cyclohexane
Concen: 19.960 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	28.2	42.4
84	90.5	71.8	107.6

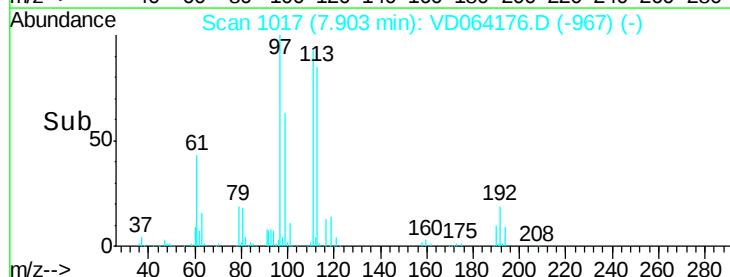
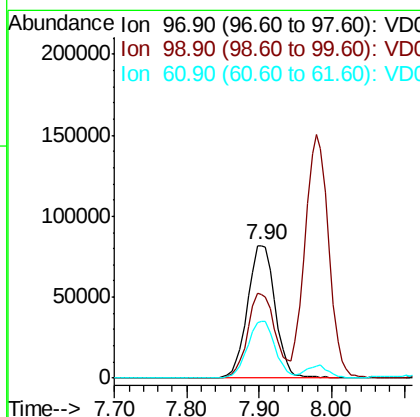
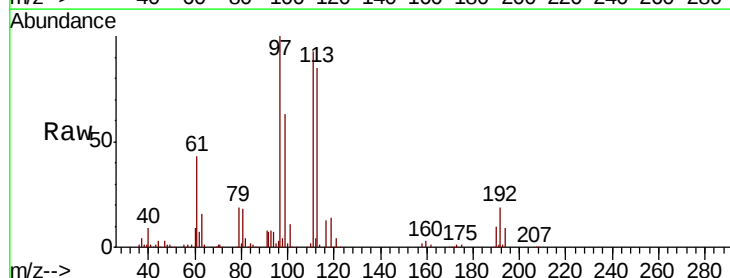
Manual Integrations
APPROVED

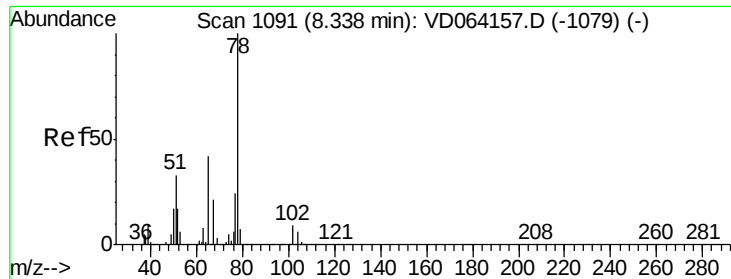
MMDadoda
11/12/2019 10:25:44 AM



#32
1,1,1-Trichloroethane
Concen: 20.814 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	42.6	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 49.679 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 65 Resp: 272386

Ion Ratio Lower Upper

65 100

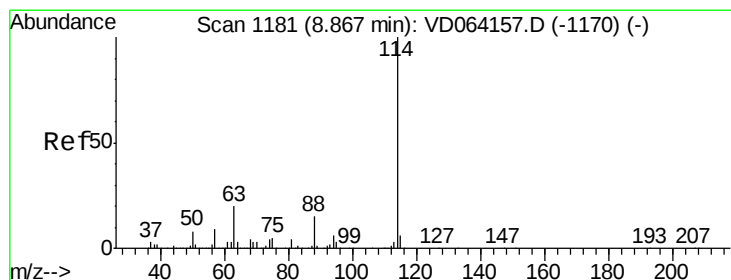
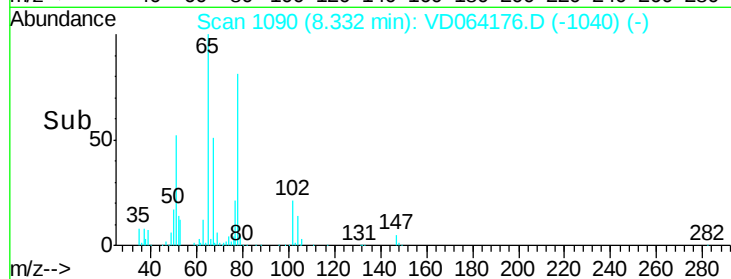
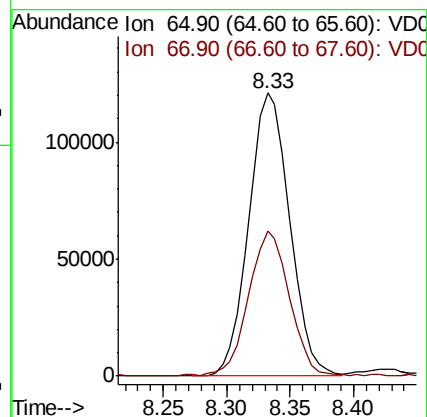
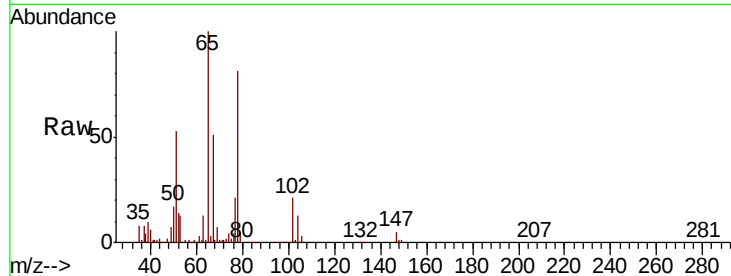
67 51.6 0.0 104.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 10:25:44 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

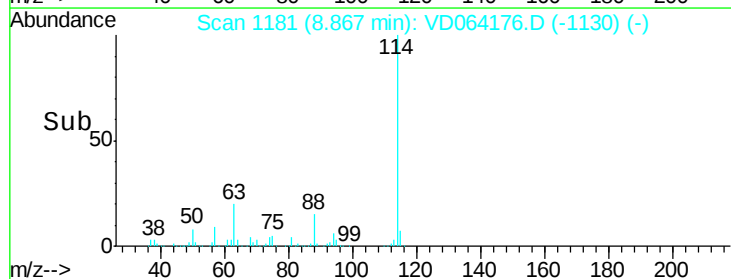
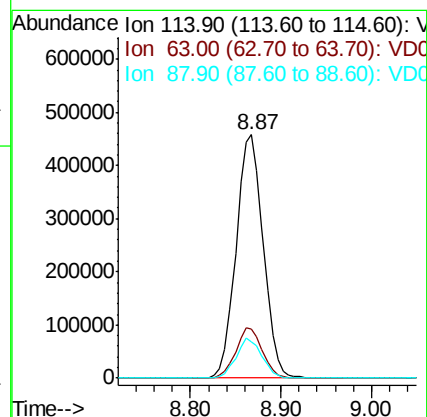
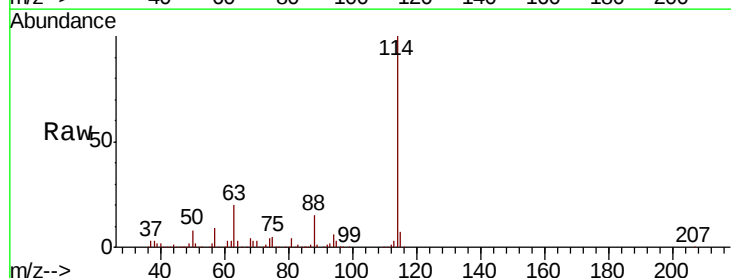
Tgt Ion: 114 Resp: 953843

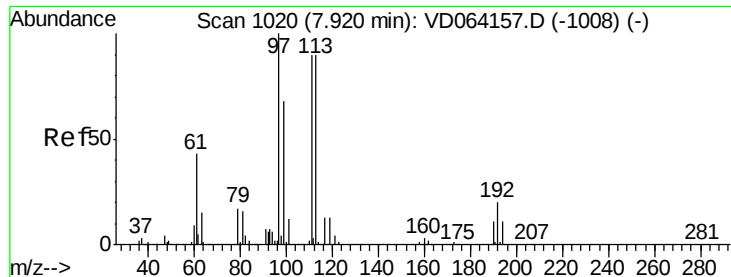
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 14.7 0.0 30.2





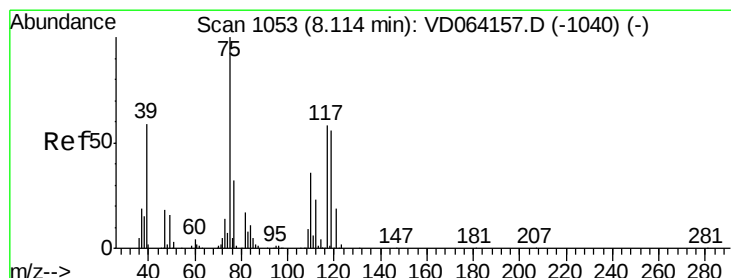
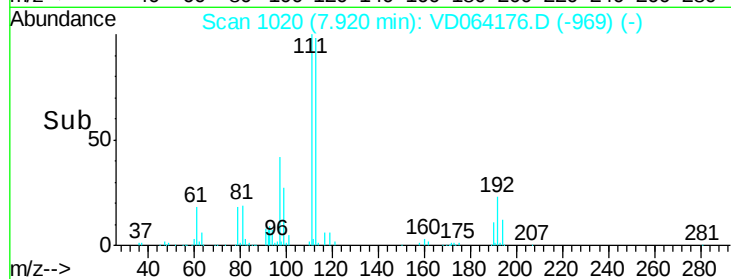
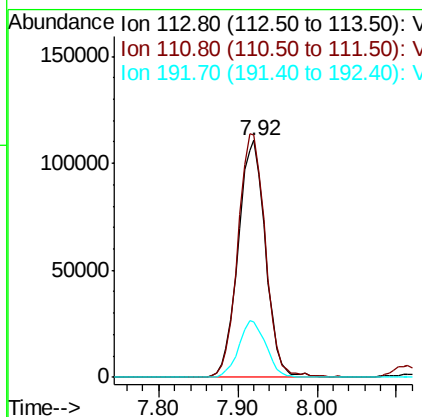
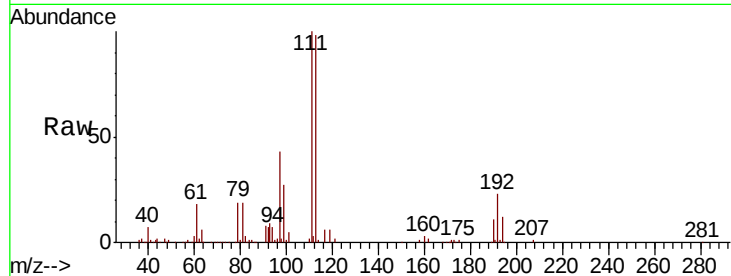
#35
 Dibromofluoromethane
 Concen: 48.473 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	265399		
111	103.1	81.5	122.3	
192	23.8	18.8	28.2	

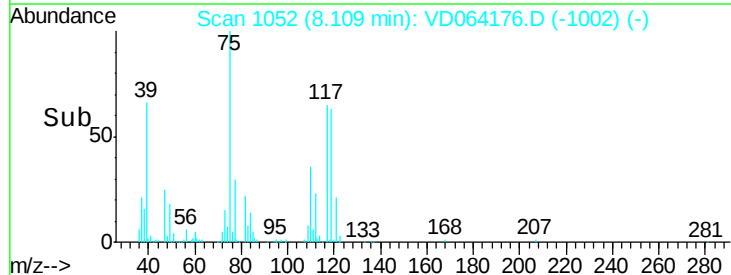
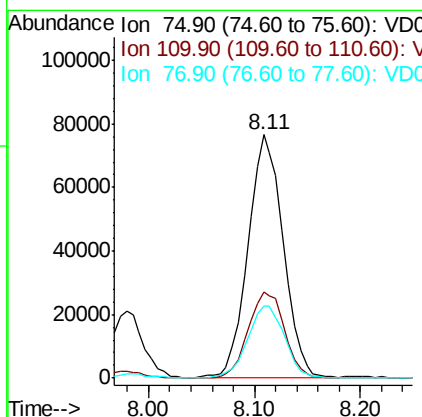
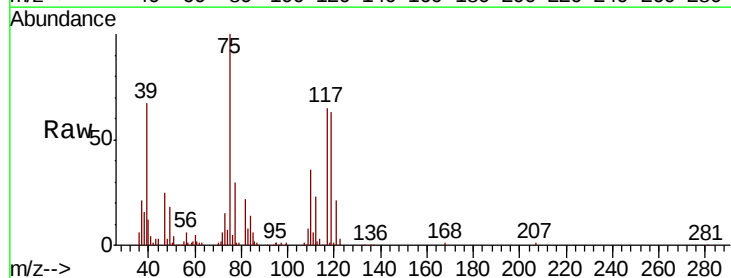
Manual Integrations
 APPROVED

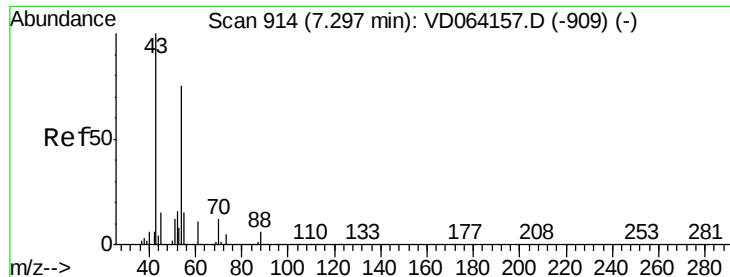
MMDadoda
 11/12/2019 10:25:44 AM



#36
 1,1-Dichloropropene
 Concen: 20.193 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177764		
110	36.6	18.3	54.9	
77	31.3	25.0	37.6	





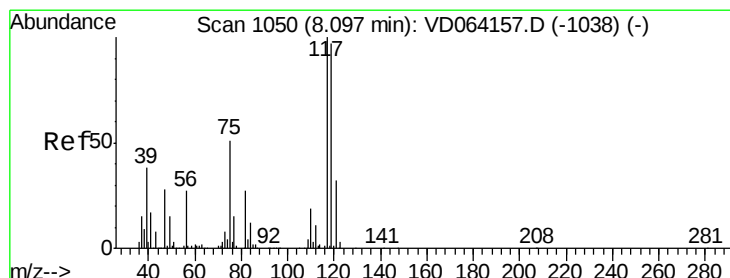
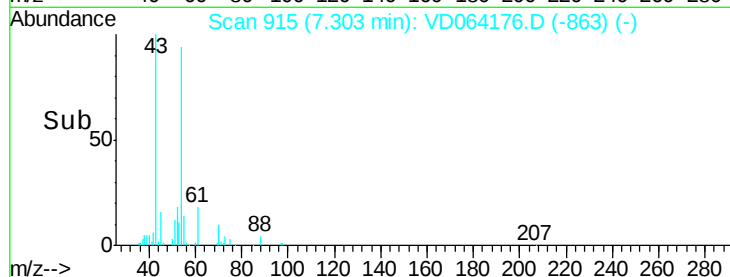
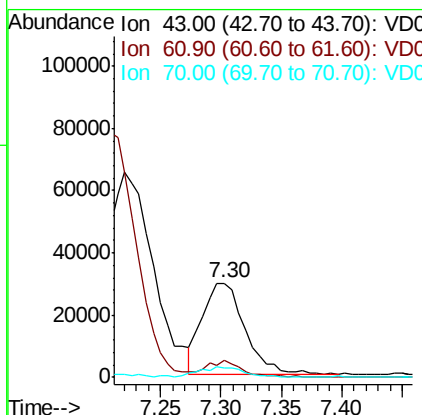
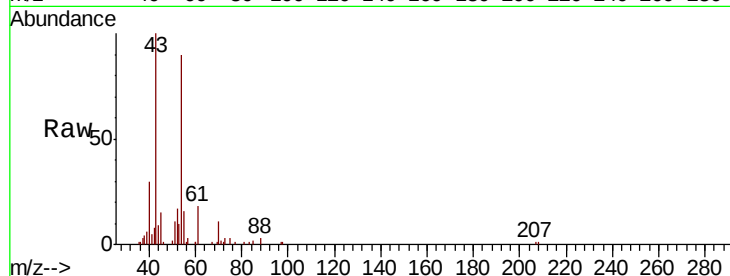
#37
Ethyl Acetate
Concen: 19.627 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.2	15.2
70	12.2	8.5	12.7

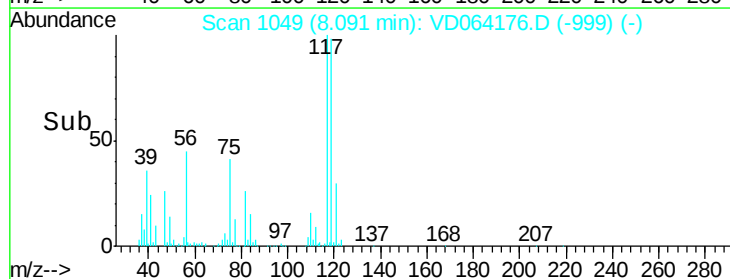
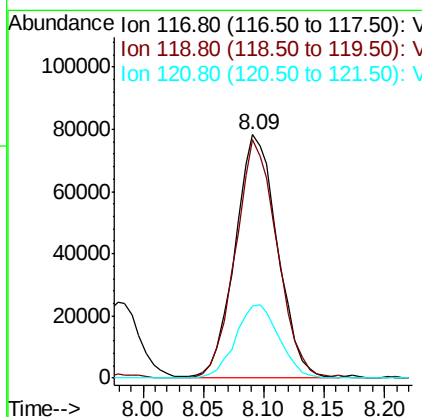
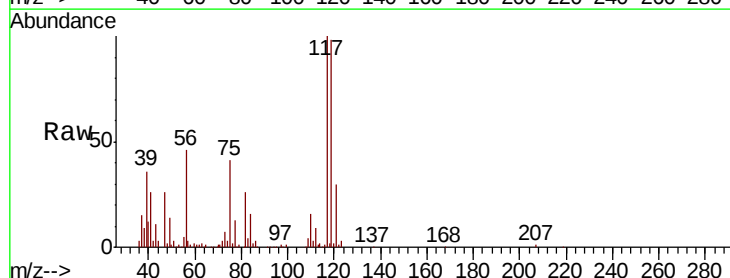
Manual Integrations
APPROVED

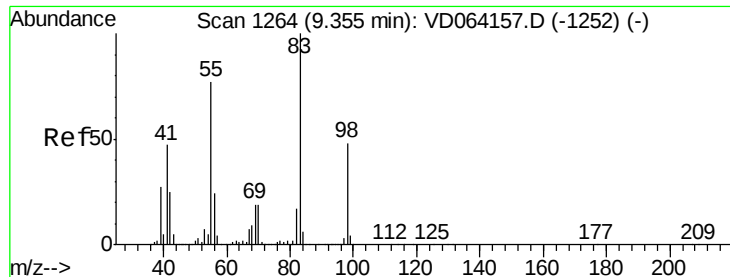
MMDadoda
11/12/2019 10:25:44 AM



#38
Carbon Tetrachloride
Concen: 20.205 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.2	115.8
121	29.9	25.5	38.3





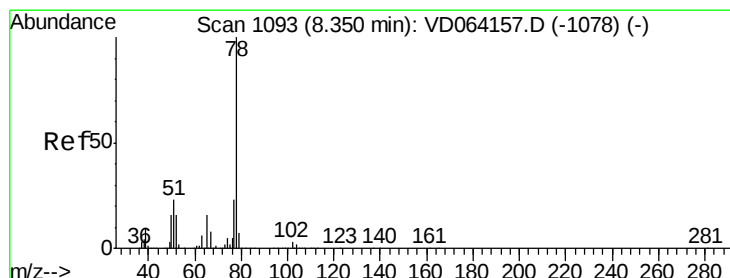
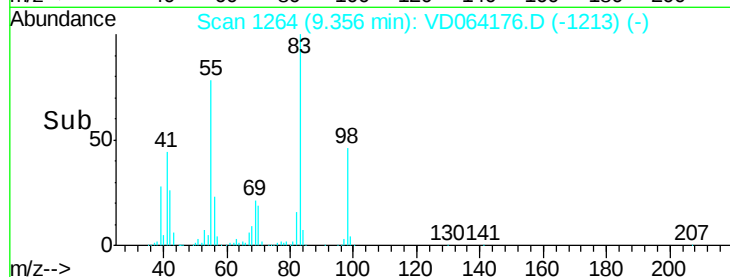
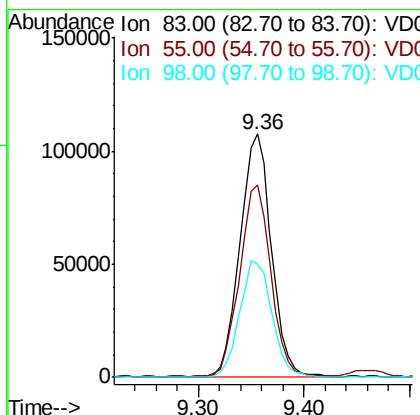
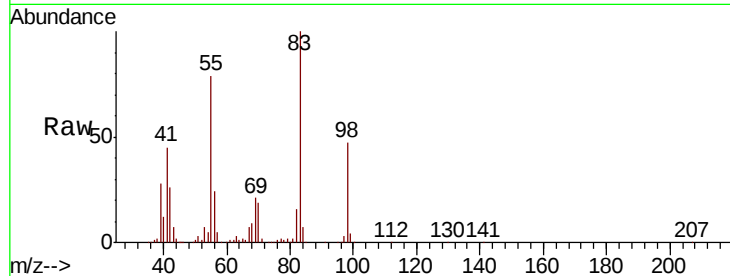
#39
Methvlcvclohexane
Concen: 19.856 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.7	92.5
98	46.6	38.6	58.0

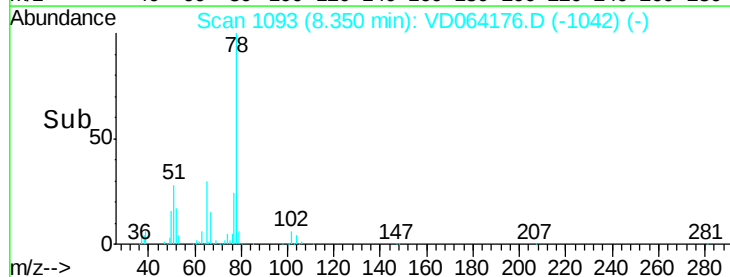
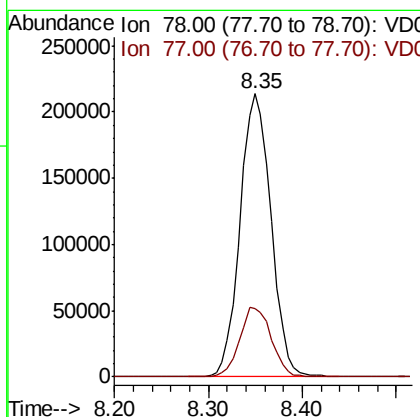
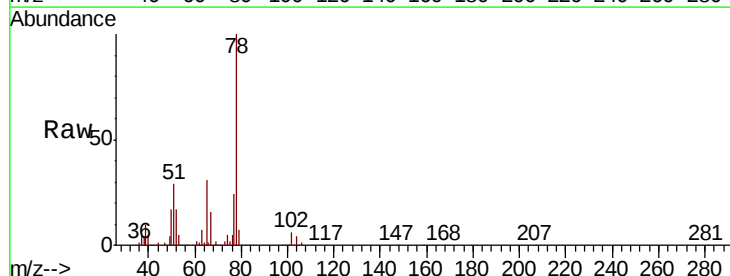
Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#40
Benzene
Concen: 20.243 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





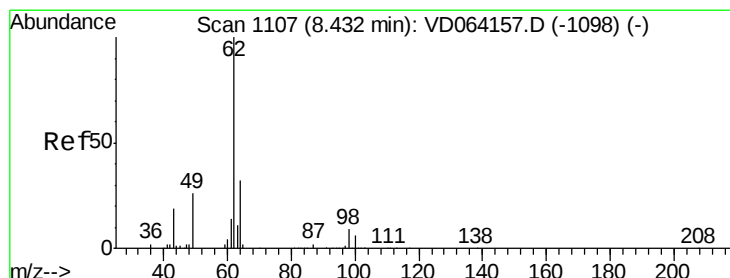
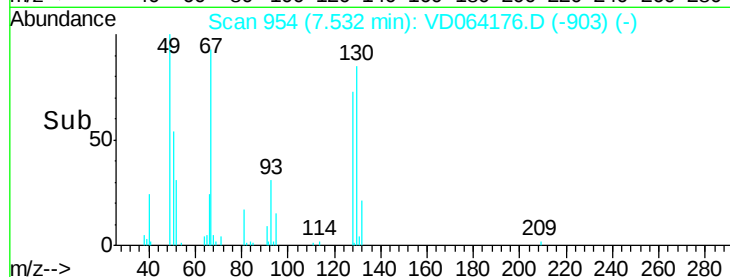
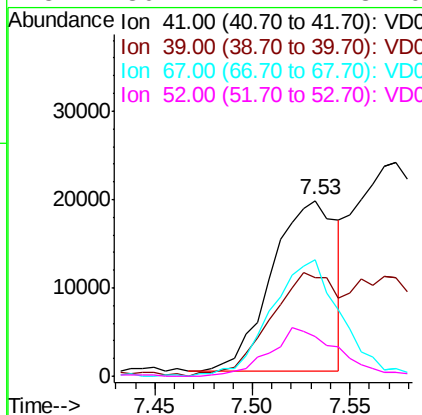
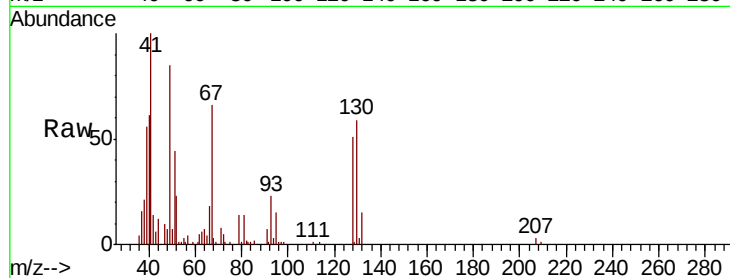
#41
Methacrylonitrile
Concen: 19.244 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	41	Resp	44887
Ion	Ratio	Lower	Upper
41	100		
39	60.3	49.4	74.2
67	72.9	49.6	74.4
52	30.1	21.4	32.0

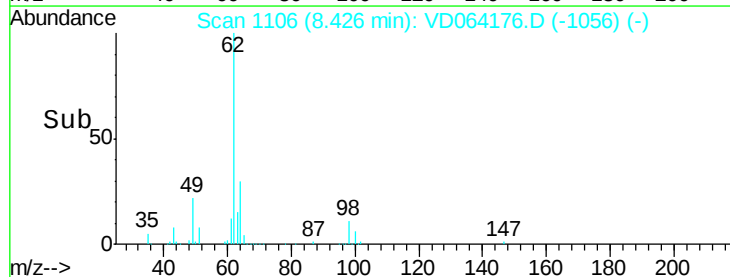
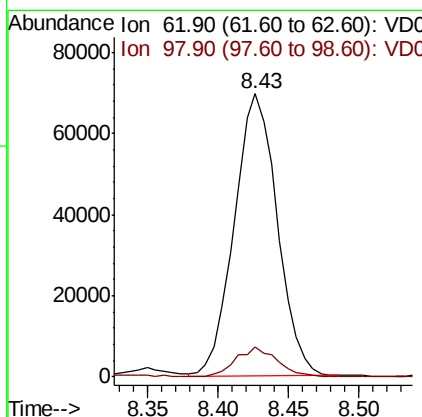
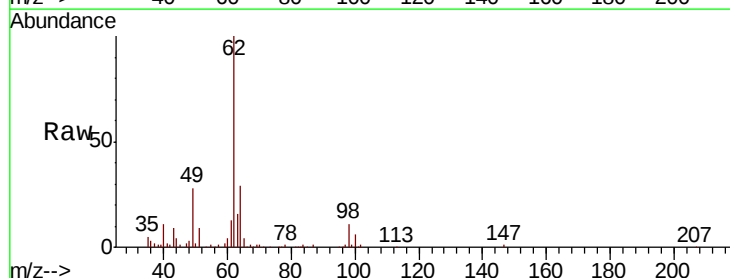
Manual Integrations
APPROVED

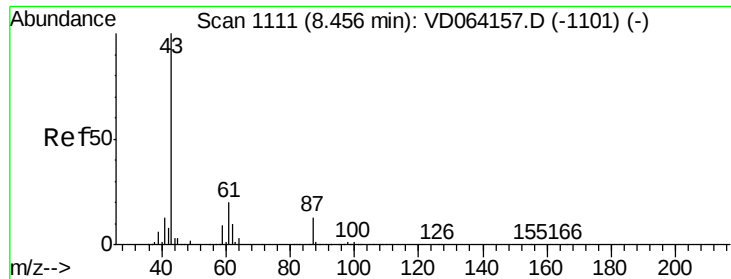
MMDadoda
11/12/2019 10:25:44 AM



#42
1,2-Dichloroethane
Concen: 20.591 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	62	Resp	148787
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





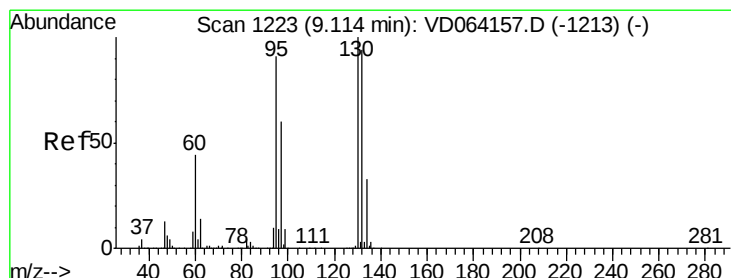
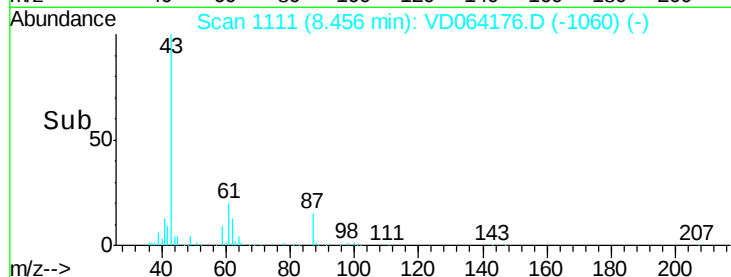
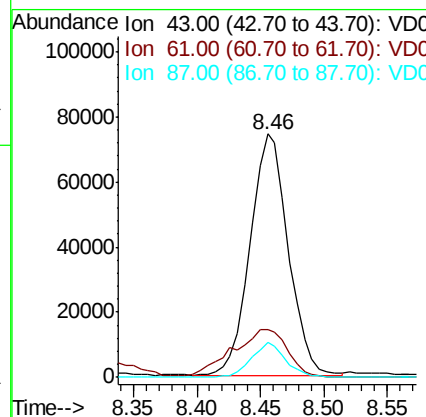
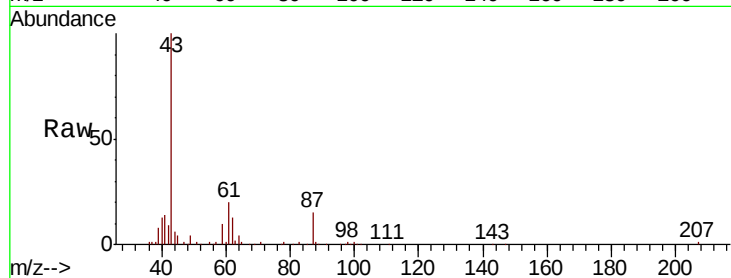
#43
Isopropyl Acetate
Concen: 20.501 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.9	34.3
87	13.0	10.2	15.2

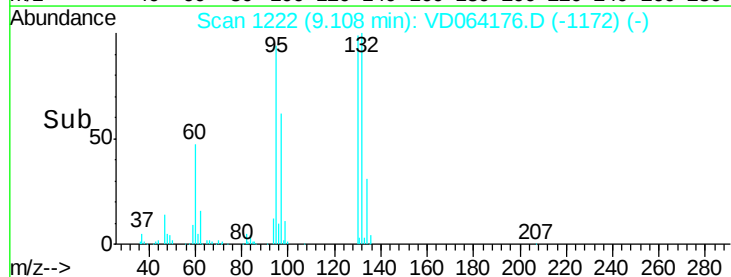
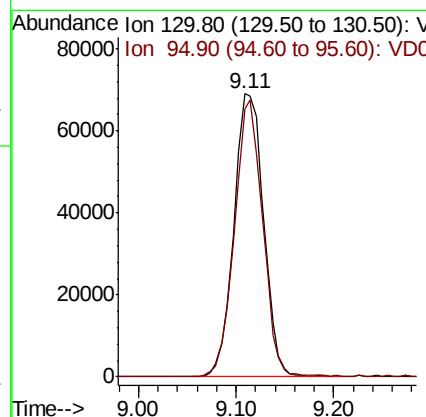
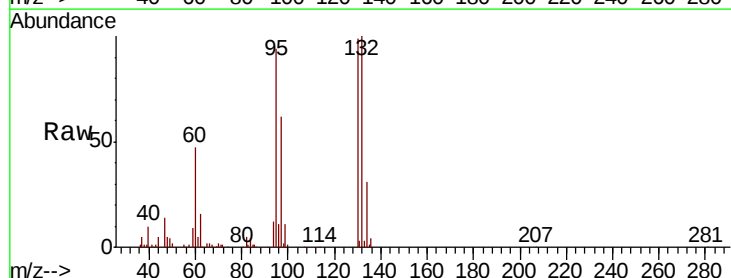
Manual Integrations
APPROVED

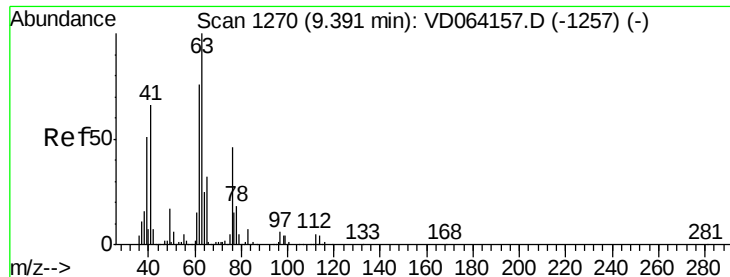
MMDadoda
11/12/2019 10:25:44 AM



#44
Trichloroethene
Concen: 20.268 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	181.6





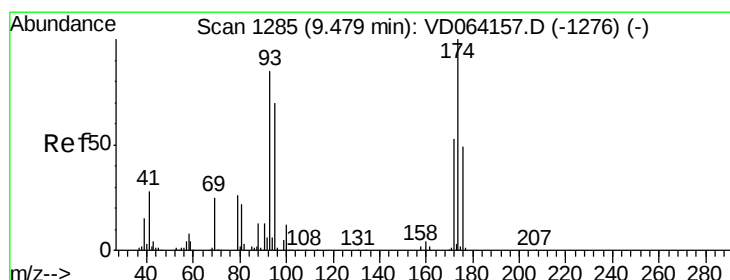
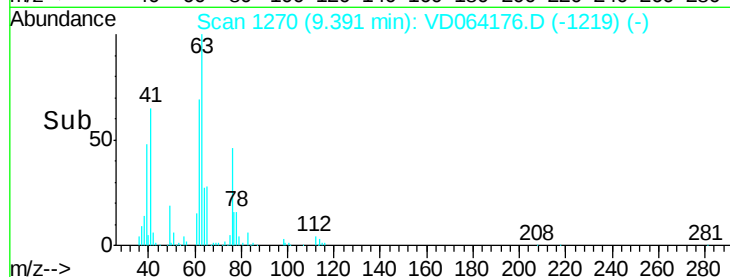
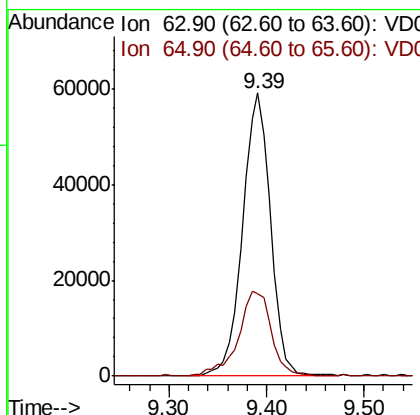
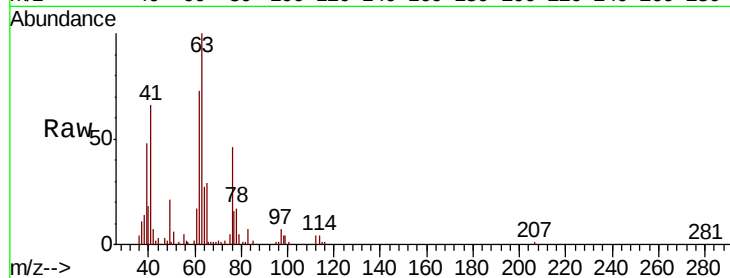
#45
 1,2-Dichloropropane
 Concen: 20.219 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	63	Resp	118404
Ion Ratio	Lower	Upper	
63	100		
65	29.0	25.7	38.5

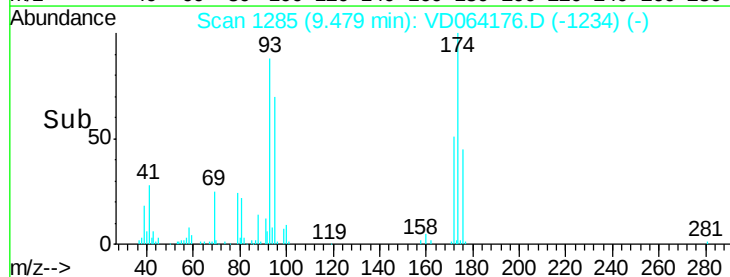
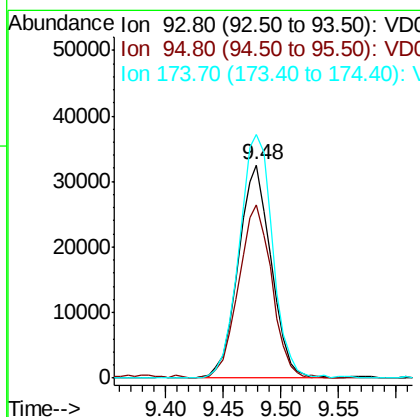
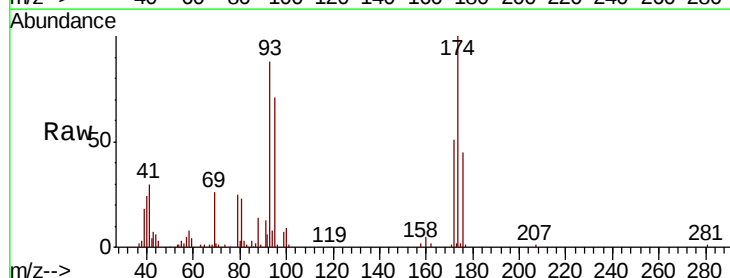
Manual Integrations
 APPROVED

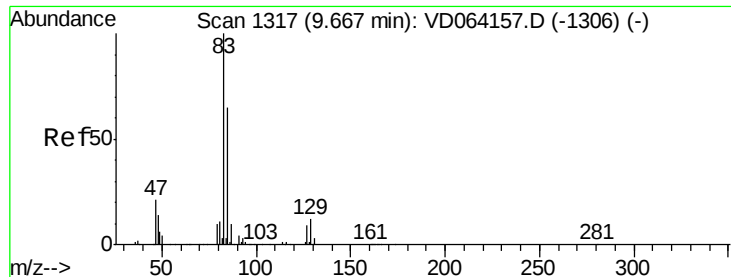
MMDadoda
 11/12/2019 10:25:44 AM



#46
 Dibromomethane
 Concen: 20.440 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	93	Resp	64079
Ion Ratio	Lower	Upper	
93	100		
95	82.2	65.5	98.3
174	116.6	93.9	140.9





#47

Bromodichloromethane

Concen: 20.626 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

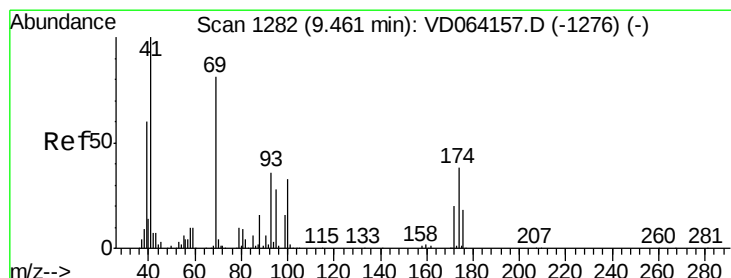
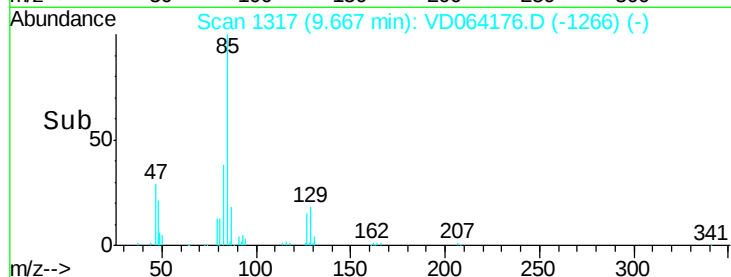
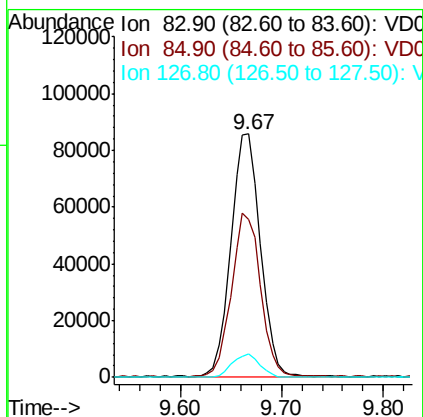
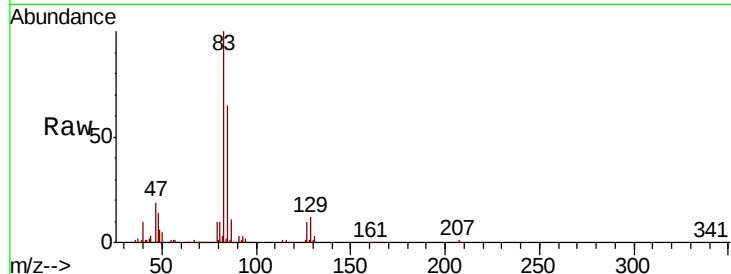
ClientSampleId :

VD1111SBS01

Tot Ion:	83	Resp:	174176
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4
127	9.7	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#48

Methyl methacrylate

Concen: 19.489 ug/l

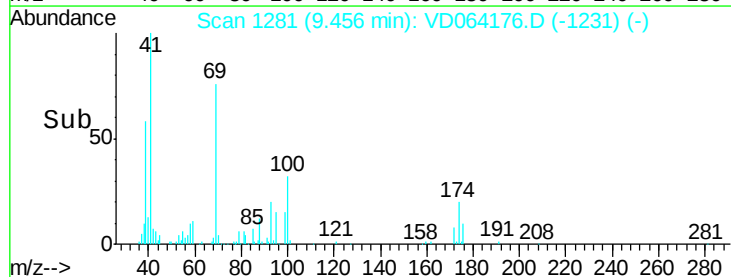
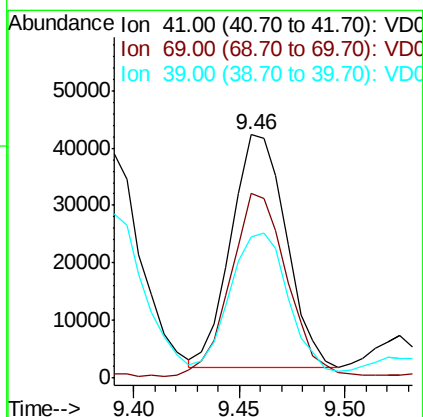
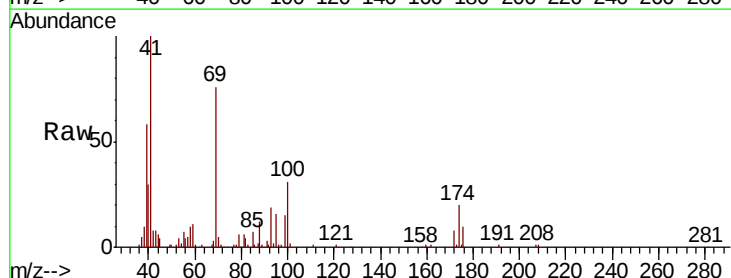
RT: 9.46 min Scan# 1281

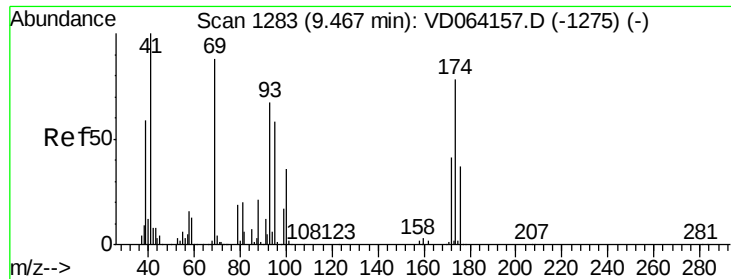
Delta R.T. -0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion:	41	Resp:	72870
Ion	Ratio	Lower	Upper
41	100		
69	81.2	64.6	97.0
39	61.8	48.2	72.2





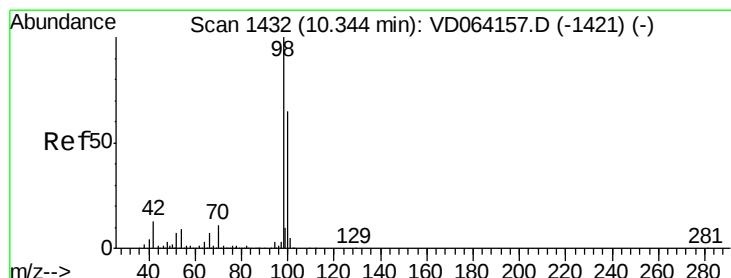
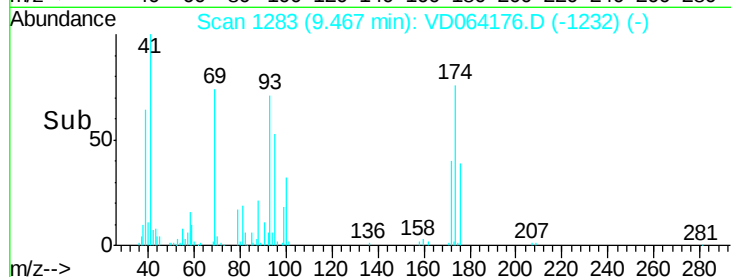
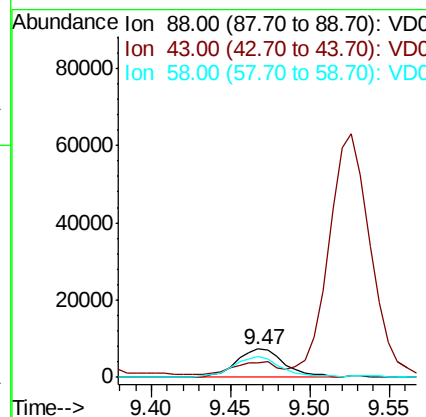
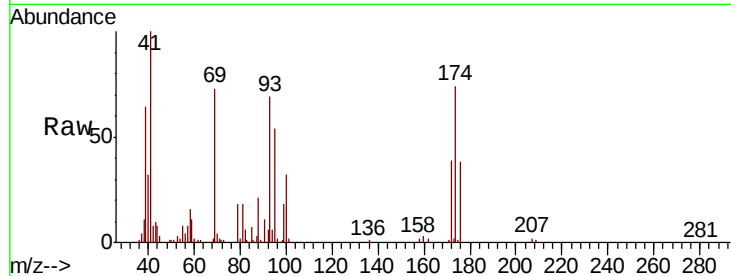
#49
1,4-Dioxane
Concen: 405.164 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	29.8	44.8
58	74.5	58.1	87.1

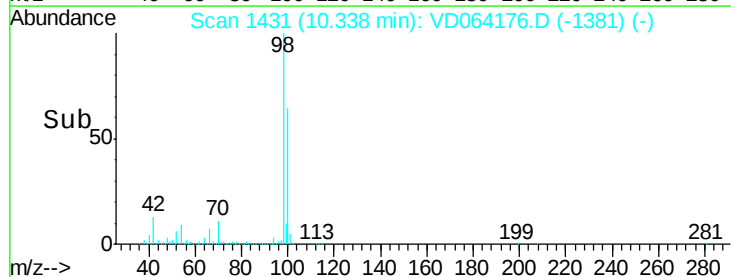
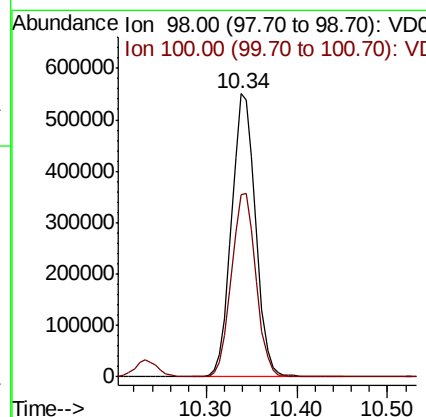
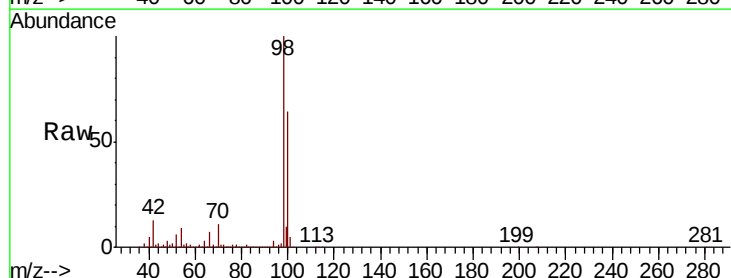
Manual Integrations
APPROVED

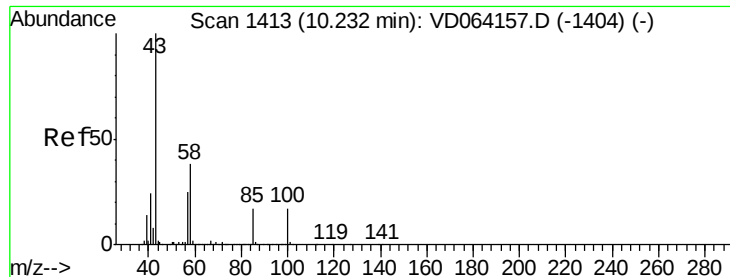
MMDadoda
11/12/2019 10:25:44 AM



#50
Toluene-d8
Concen: 49.222 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 103.845 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 380785

Ion Ratio Lower Upper

43 100

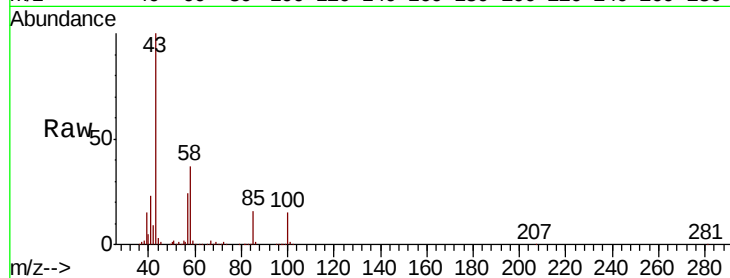
58 37.2 30.2 45.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

250000

200000

150000

100000

50000

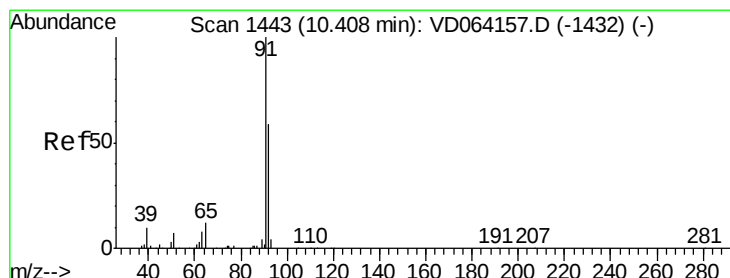
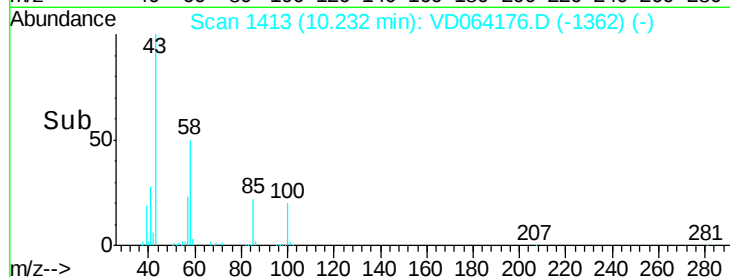
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 20.122 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064176.D

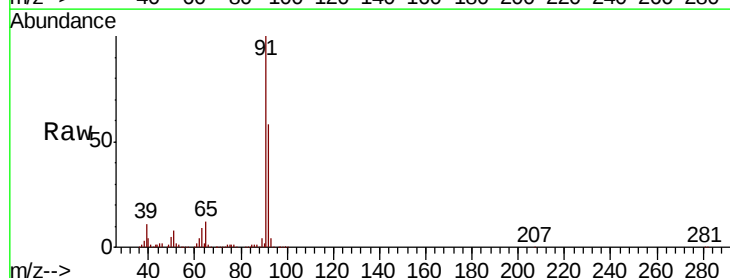
Acq: 11 Nov 2019 14:21

Tgt Ion: 92 Resp: 318330

Ion Ratio Lower Upper

92 100

91 172.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

200000

100000

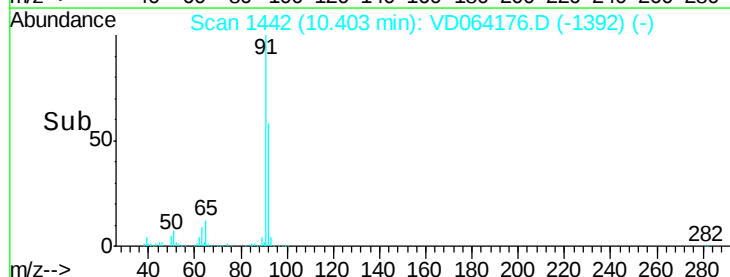
0

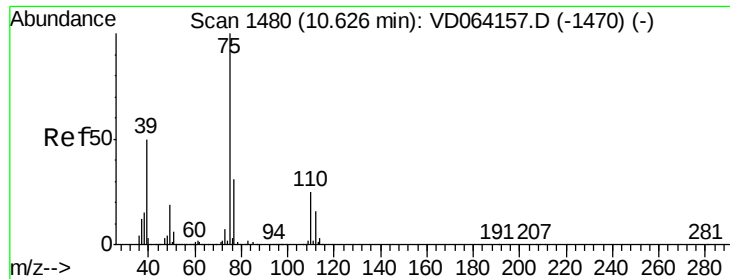
10.30

10.40

10.50

Time-->





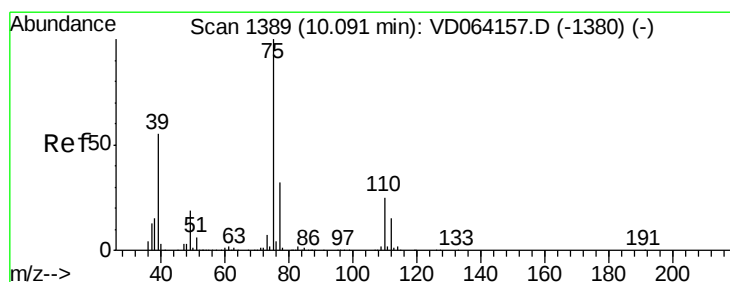
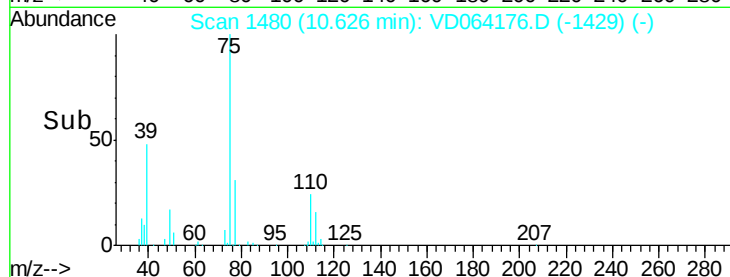
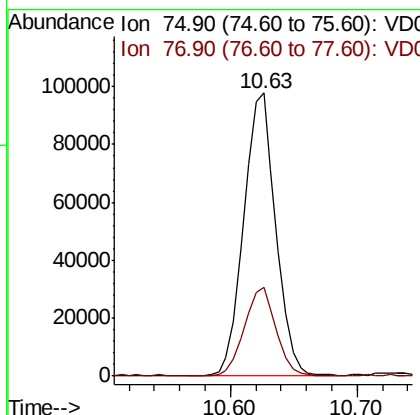
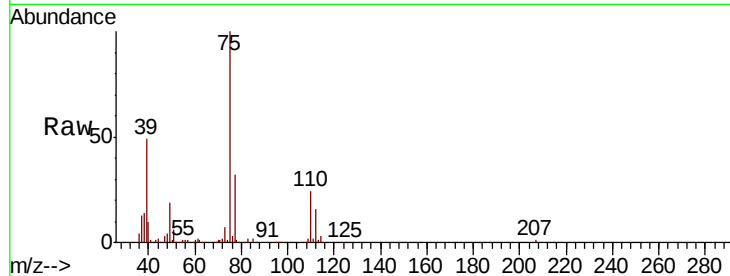
#53
t-1,3-Dichloropropene
Concen: 20.292 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1

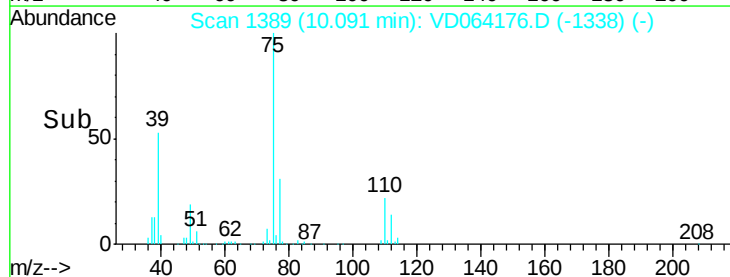
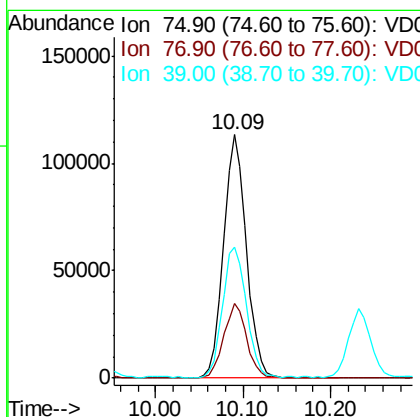
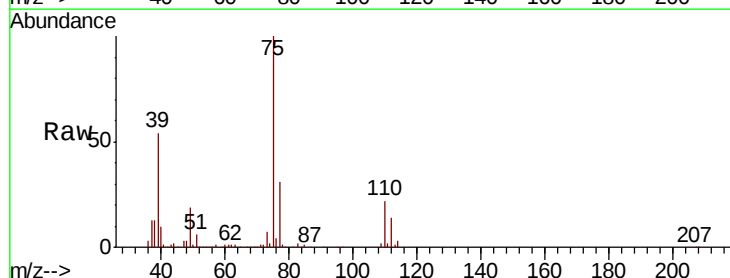
Manual Integrations
APPROVED

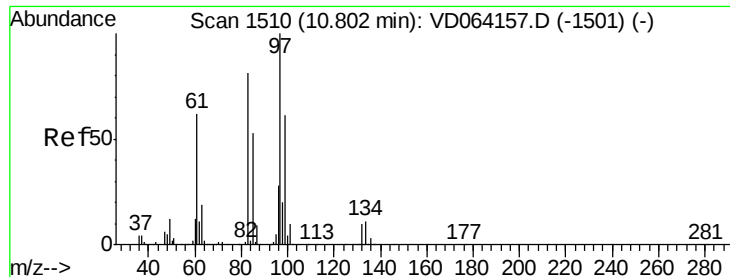
MMDadoda
11/12/2019 10:25:44 AM



#54
cis-1,3-Dichloropropene
Concen: 20.586 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	53.6	44.2	66.2





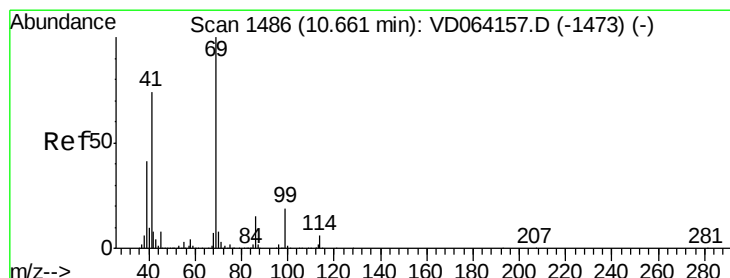
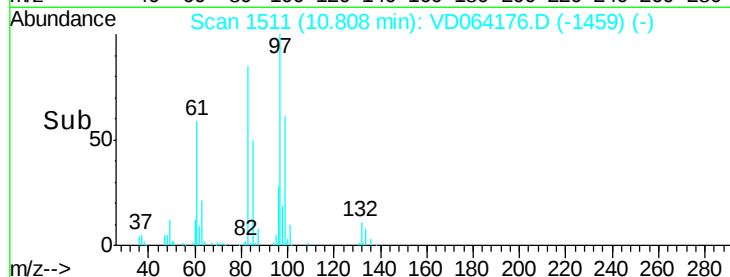
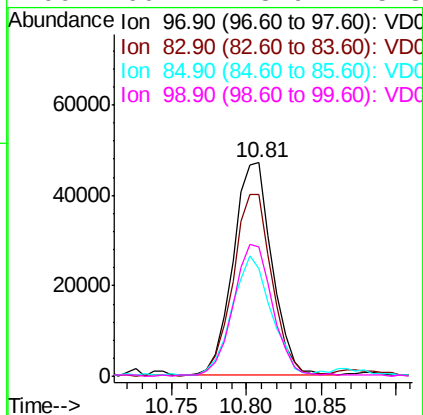
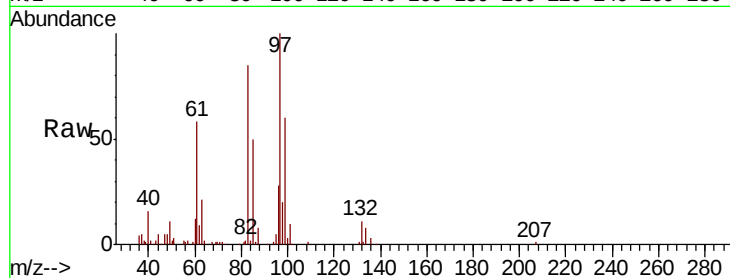
#55
 1,1,2-Trichloroethane
 Concen: 20.000 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion:	97	Resp:	85059
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.1	97.7
85	50.0	42.0	63.0
99	60.4	48.9	73.3

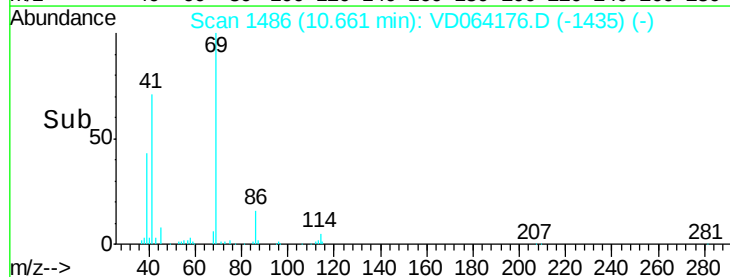
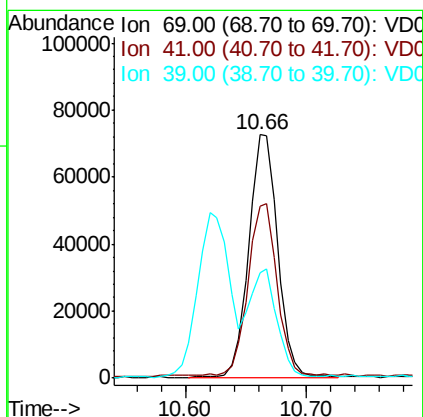
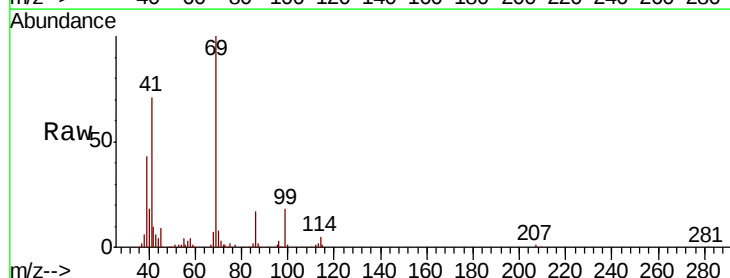
Manual Integrations
 APPROVED

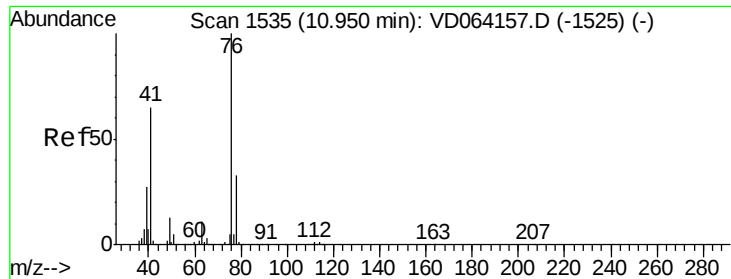
MMDadoda
 11/12/2019 10:25:44 AM



#56
 Ethyl methacrylate
 Concen: 20.296 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion:	69	Resp:	120747
Ion	Ratio	Lower	Upper
69	100		
41	71.8	57.9	86.9
39	43.2	29.0	43.4





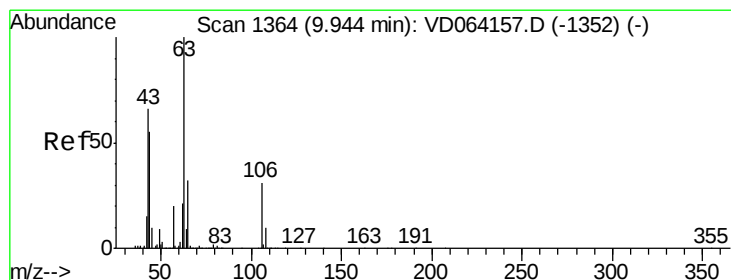
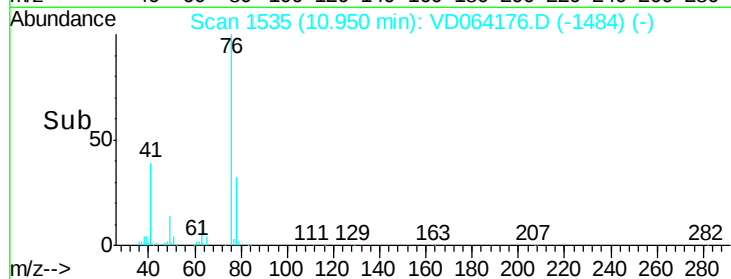
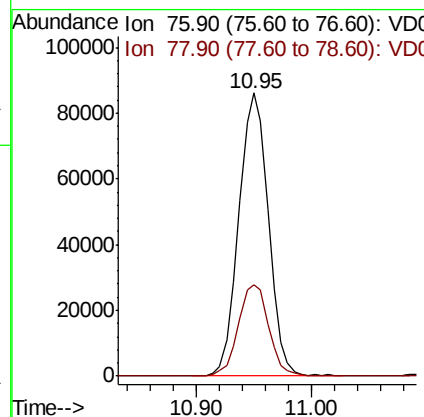
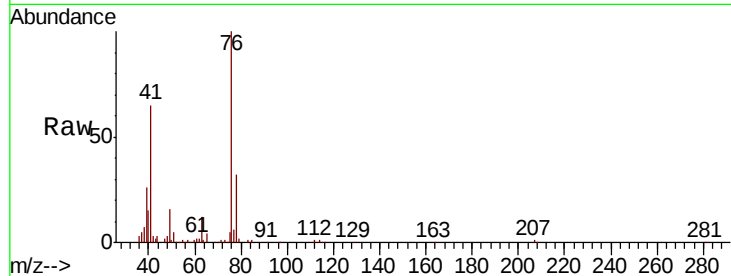
#57
 1,3-Dichloropropane
 Concen: 20.581 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion: 76 Resp: 152652
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4

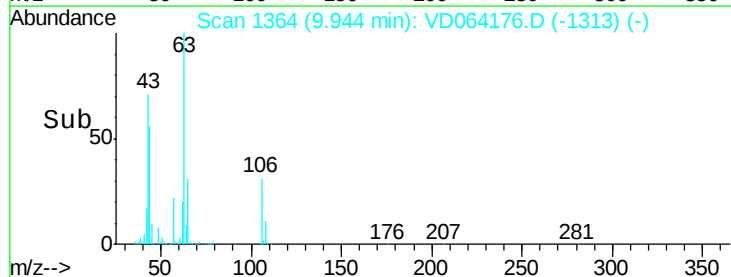
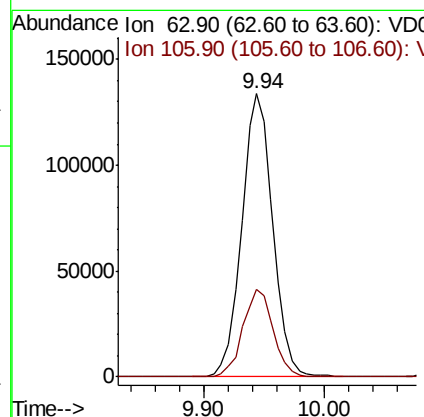
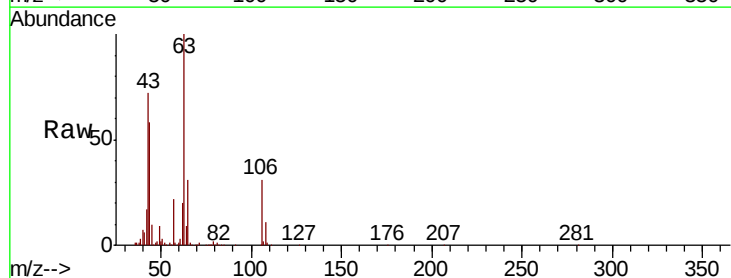
Manual Integrations
 APPROVED

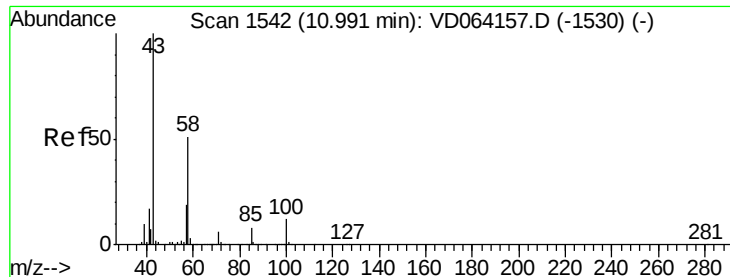
MMDadoda
 11/12/2019 10:25:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.899 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion: 63 Resp: 238334
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.1 36.1





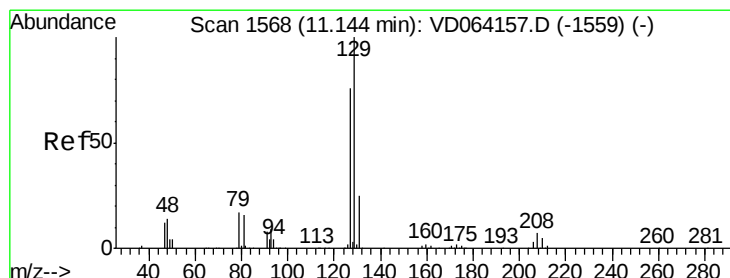
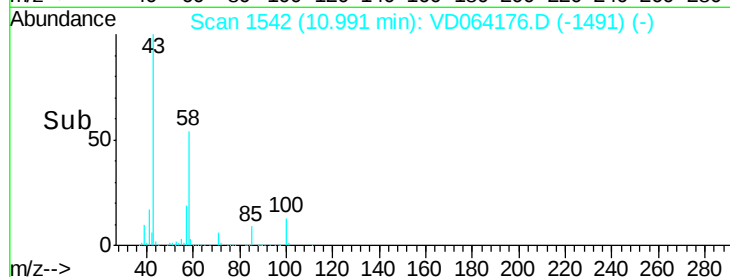
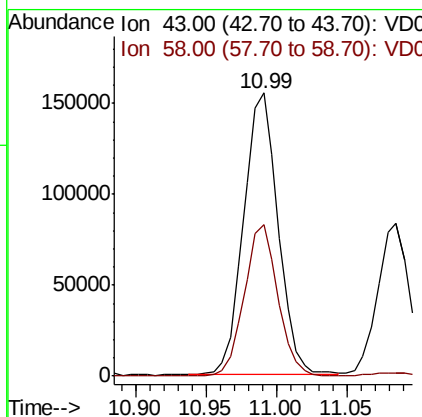
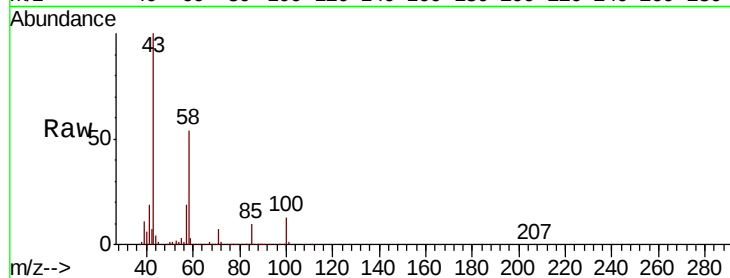
#59
2-Hexanone
Concen: 101.944 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 43 Resp: 265950
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7

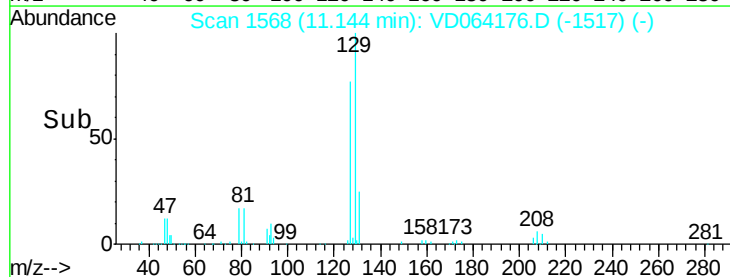
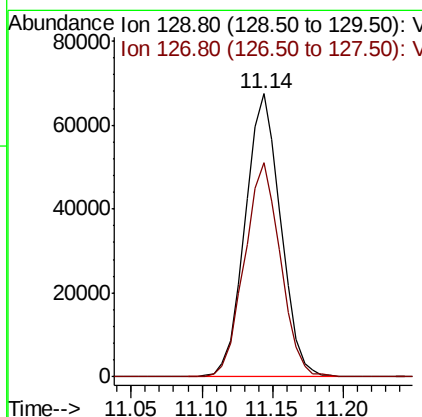
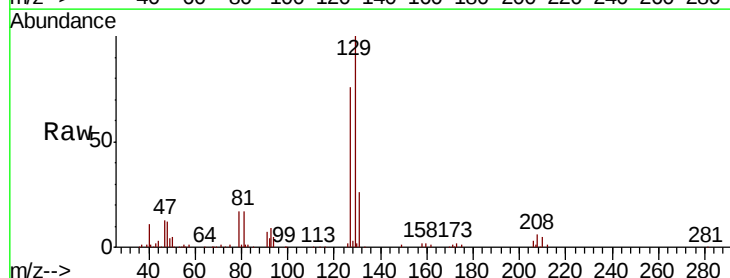
Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#60
Dibromochloromethane
Concen: 20.073 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion: 129 Resp: 119119
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





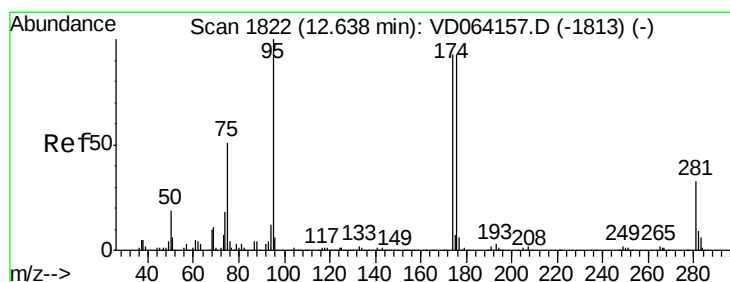
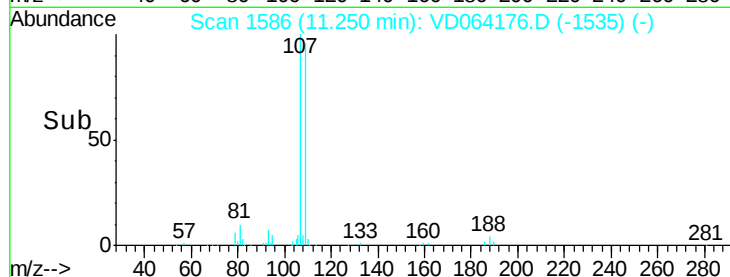
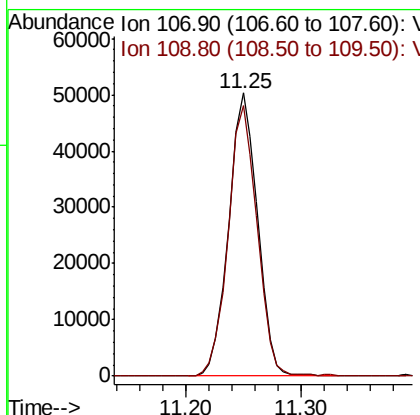
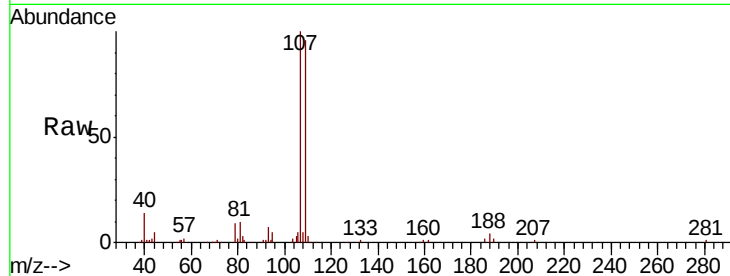
#61
 1,2-Dibromoethane
 Concen: 20.441 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.1	112.7

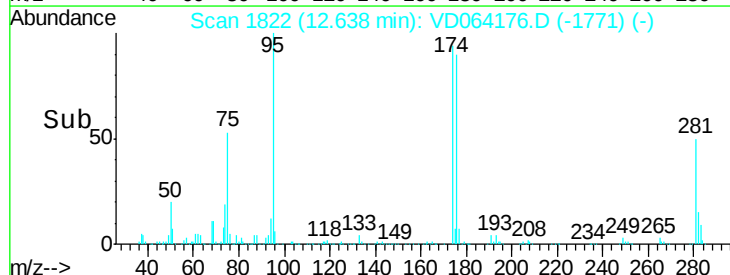
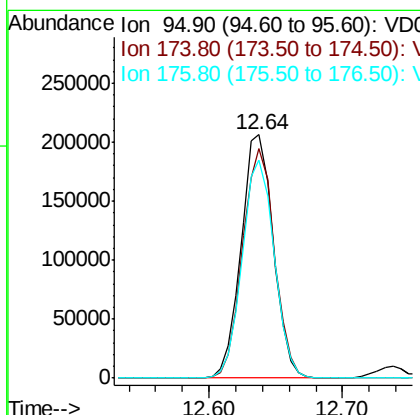
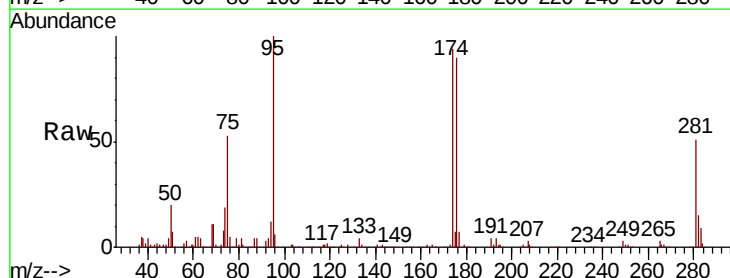
Manual Integrations
 APPROVED

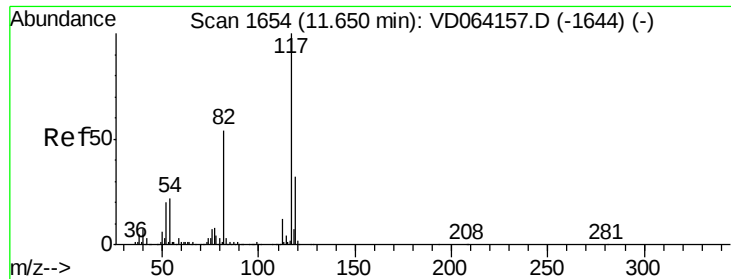
MMDadoda
 11/12/2019 10:25:44 AM



#62
 4-Bromofluorobenzene
 Concen: 47.964 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	183.6
176	89.2	0.0	180.2





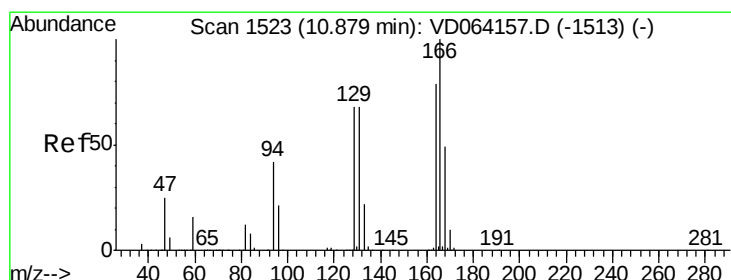
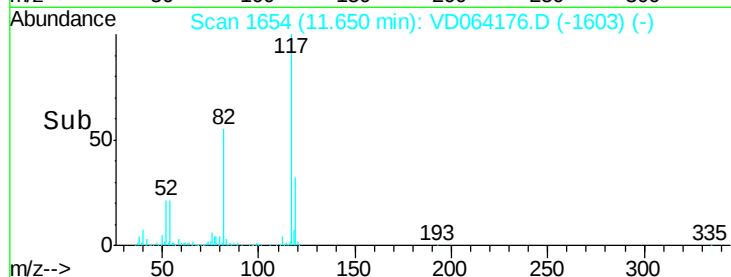
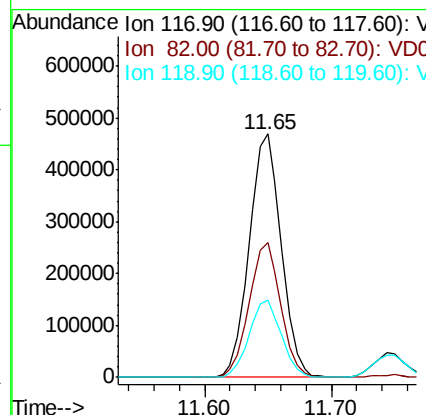
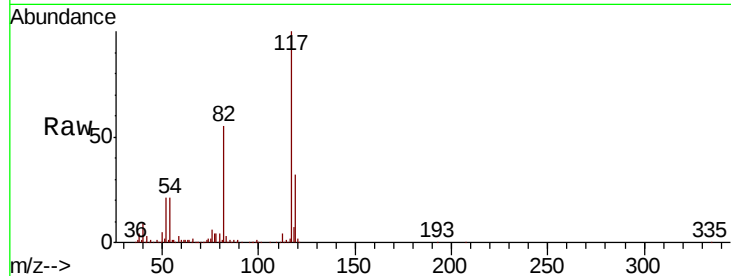
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.8	64.2
119	31.9	25.6	38.4

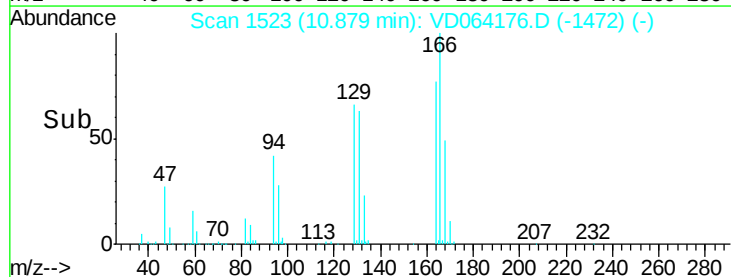
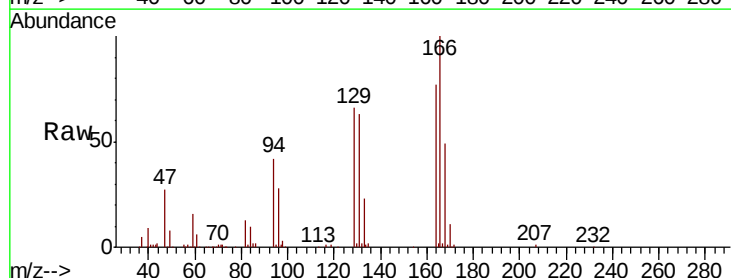
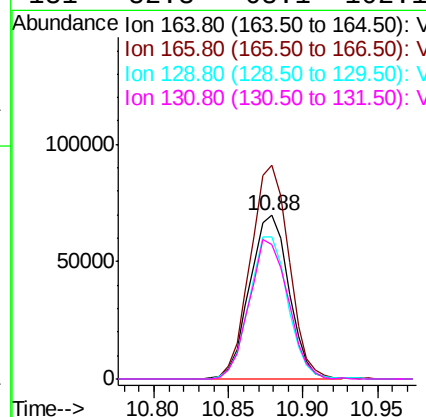
Manual Integrations
APPROVED

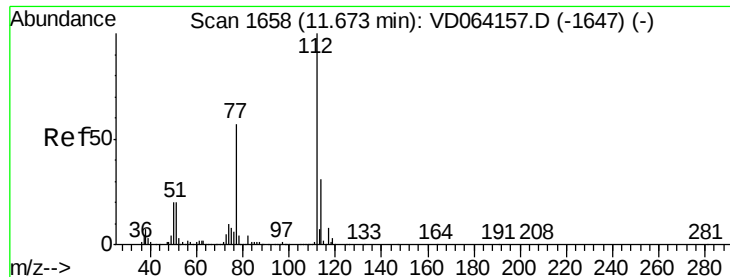
MMDadoda
11/12/2019 10:25:44 AM



#64
Tetrachloroethene
Concen: 20.115 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.8	151.2
129	86.8	68.7	103.1
131	82.3	68.1	102.1





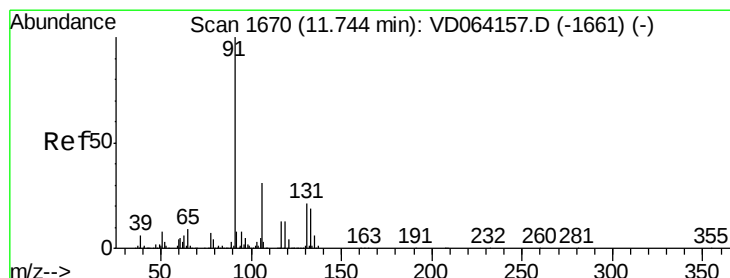
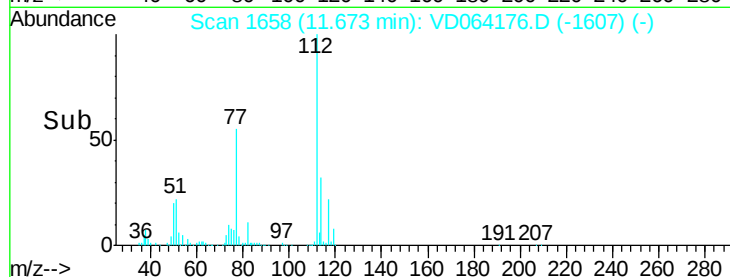
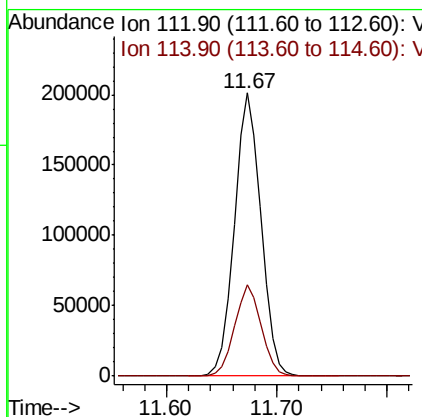
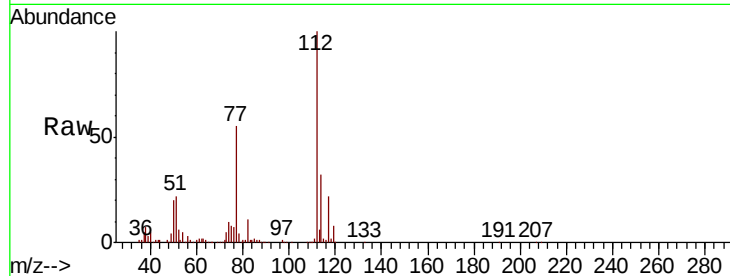
#65
Chlorobenzene
Concen: 20.323 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

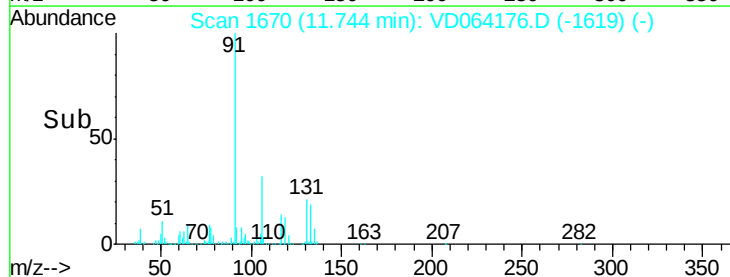
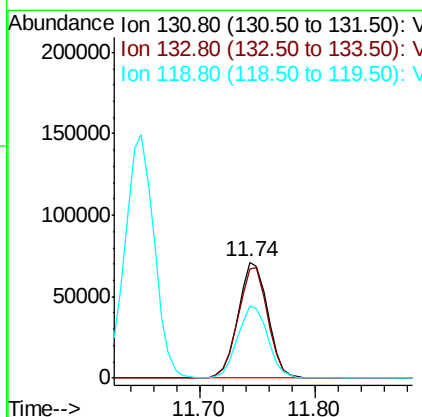
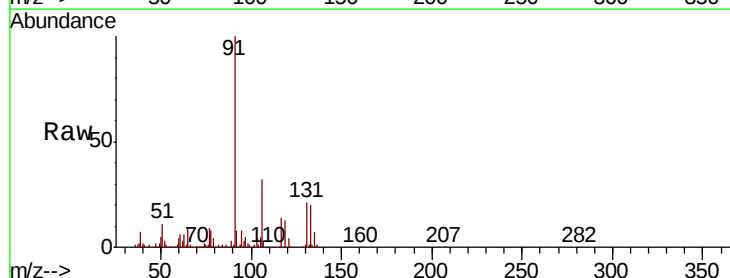
Manual Integrations
APPROVED

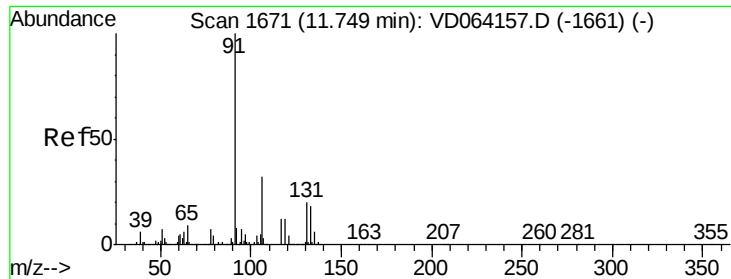
MMDadoda
11/12/2019 10:25:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.980 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.3	141.9
119	63.2	31.1	93.3





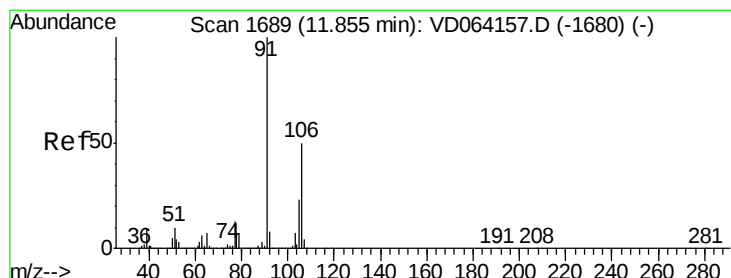
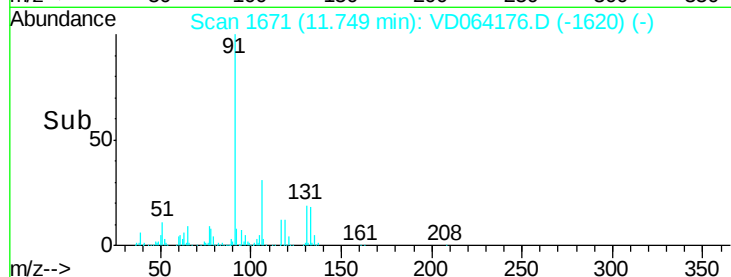
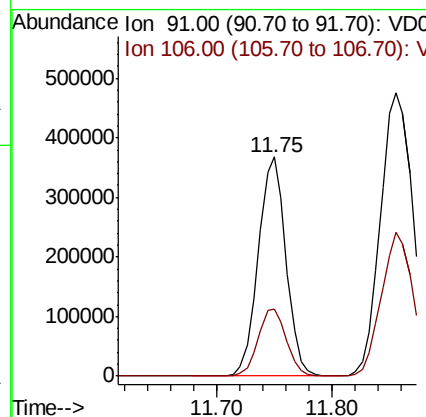
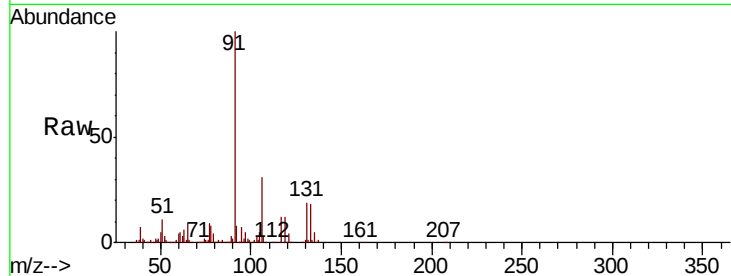
#67
Ethyl Benzene
Concen: 20.404 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.5	38.3

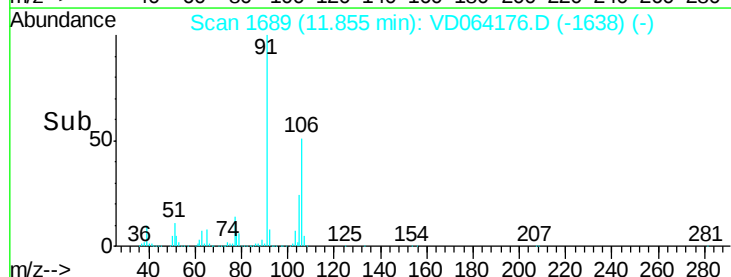
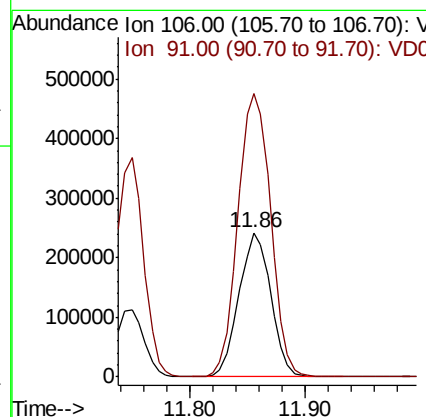
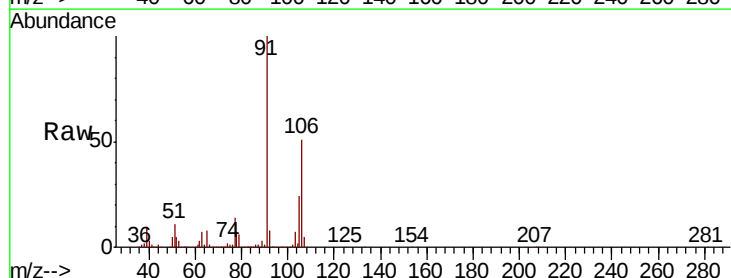
Manual Integrations
APPROVED

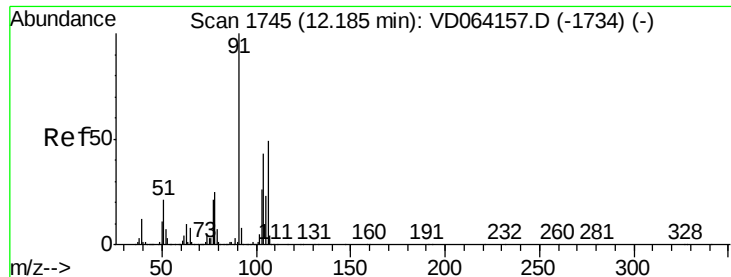
MMDadoda
11/12/2019 10:25:44 AM



#68
m/p-Xylenes
Concen: 40.078 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	160.3	240.5





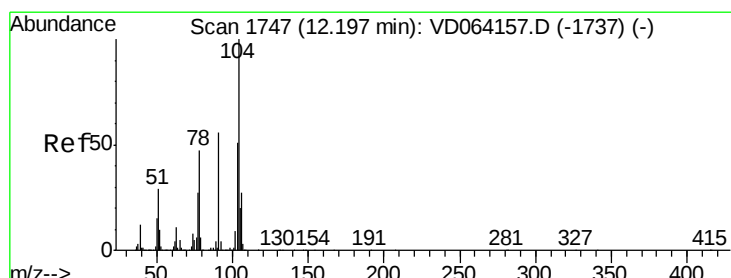
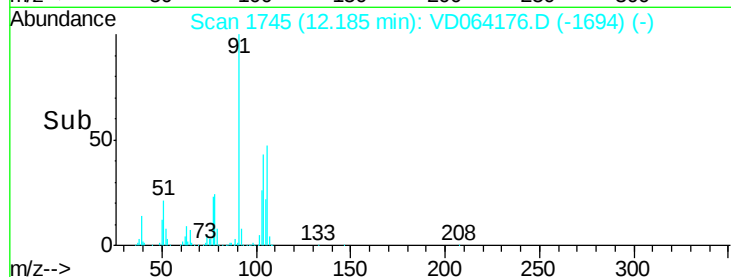
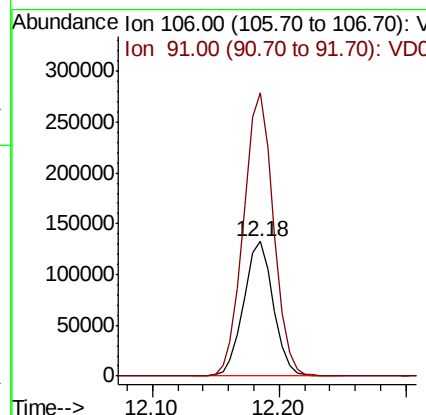
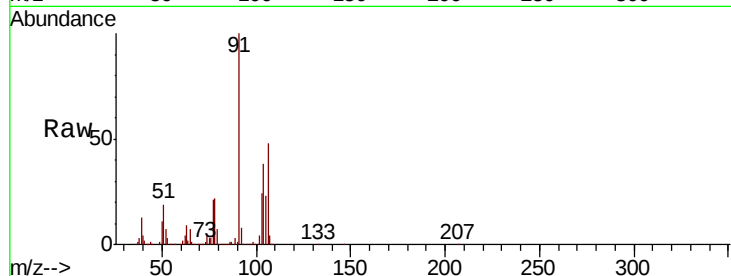
#69
o-Xylene
Concen: 20.039 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	105.1	315.3

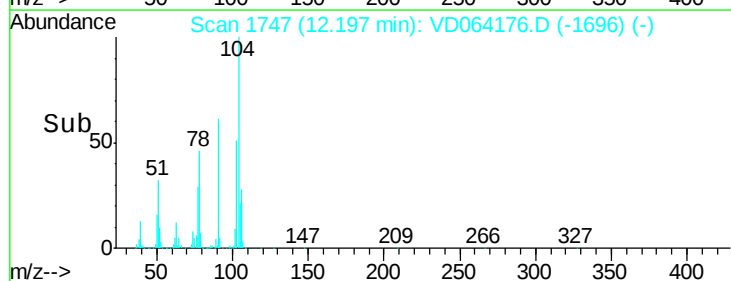
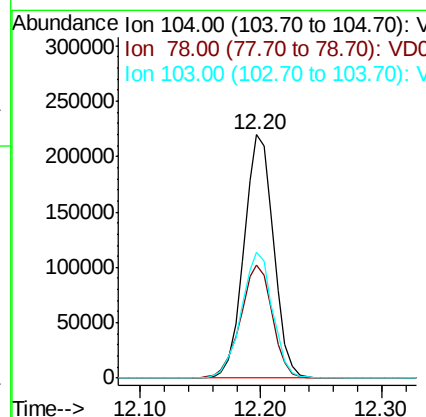
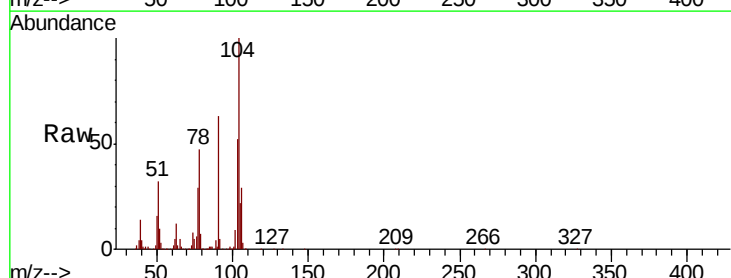
Manual Integrations
APPROVED

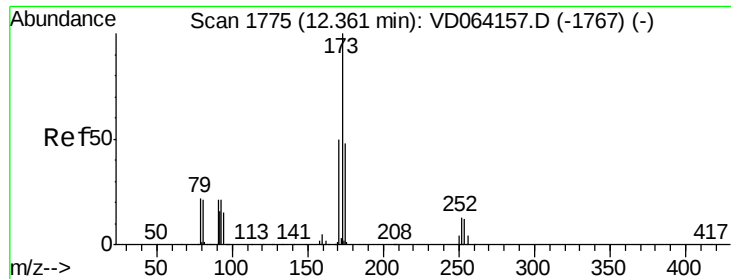
MMDadoda
11/12/2019 10:25:44 AM



#70
Styrene
Concen: 20.010 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.9	59.9
103	54.3	43.4	65.0





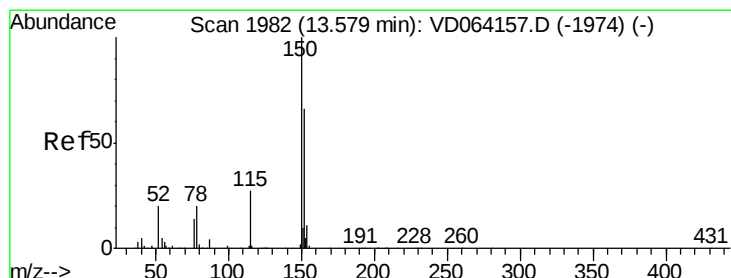
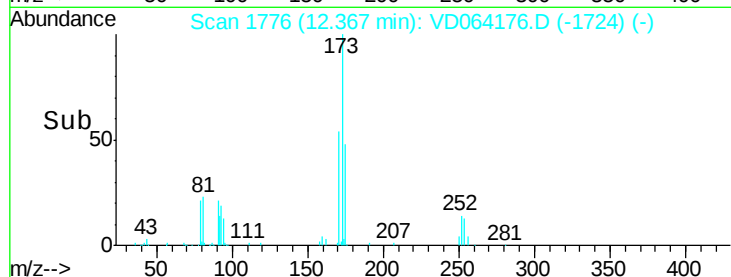
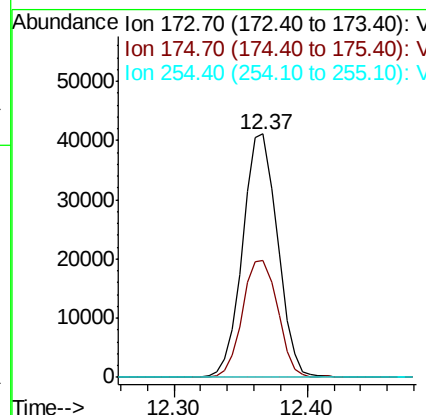
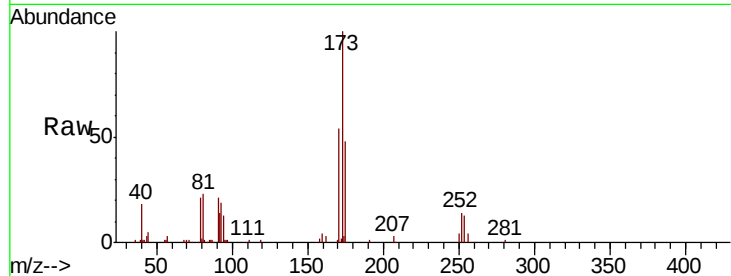
#71
Bromoform
Concen: 20.551 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.2	0.2

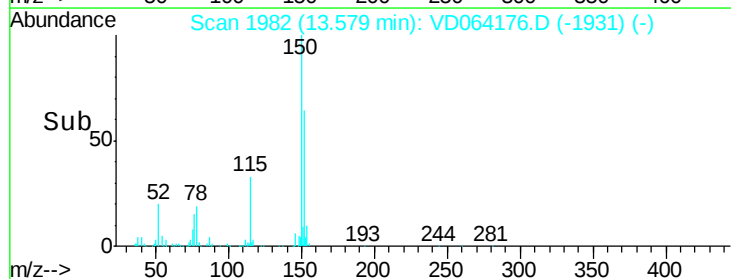
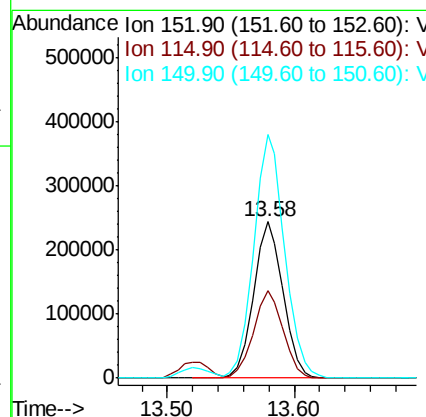
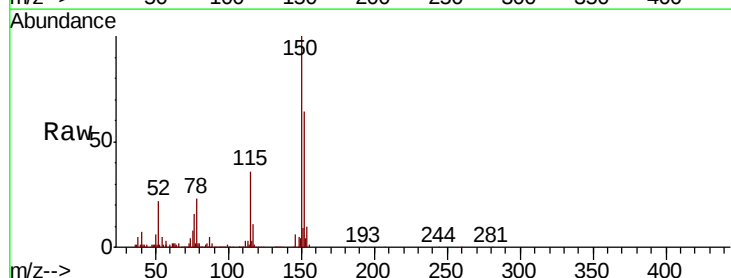
Manual Integrations
APPROVED

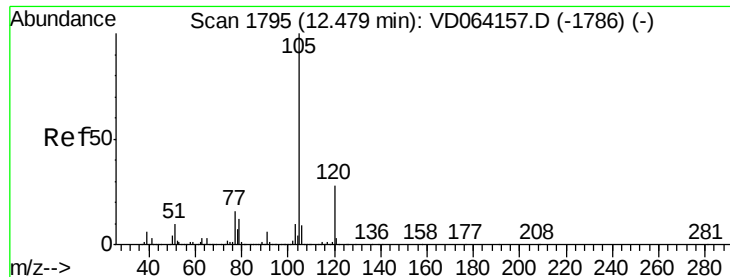
MMDadoda
11/12/2019 10:25:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.4	82.2
150	163.5	0.0	351.6





#73

Isopropylbenzene

Concen: 20.733 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:105 Resp: 598776

Ion Ratio Lower Upper

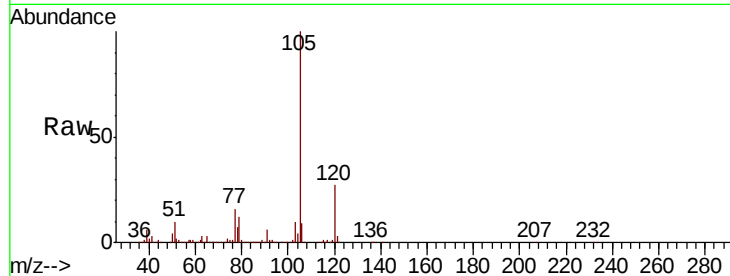
105 100

120 26.8 13.6 40.8

Manual Integrations
APPROVED

MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

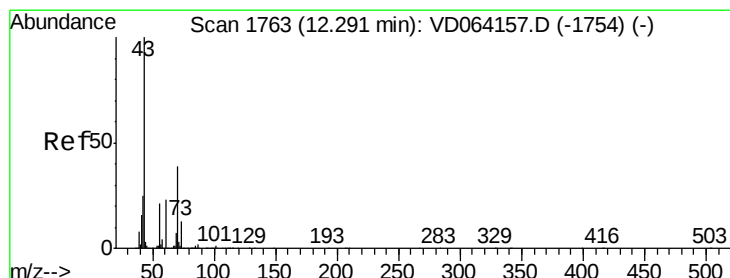
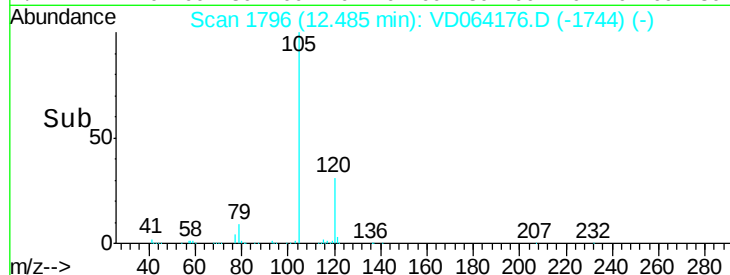
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.069 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion: 43 Resp: 143689

Ion Ratio Lower Upper

43 100

70 39.5 32.4 48.6

55 24.0 17.9 26.9

61 23.2 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

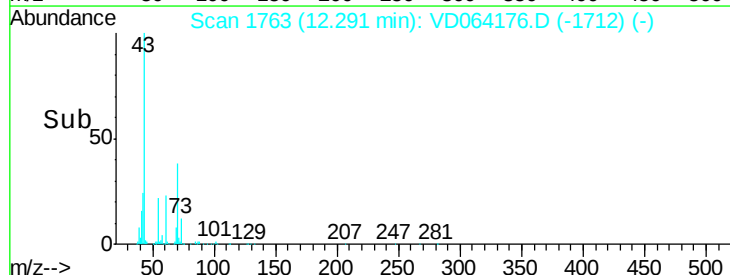
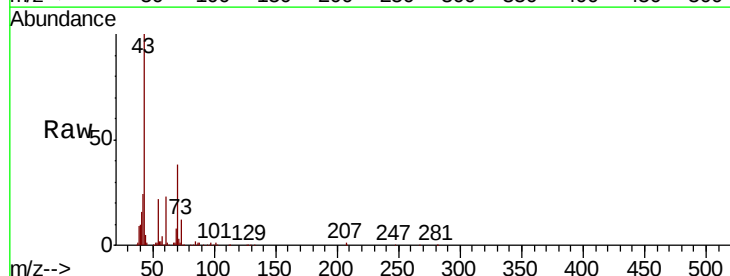
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.539 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

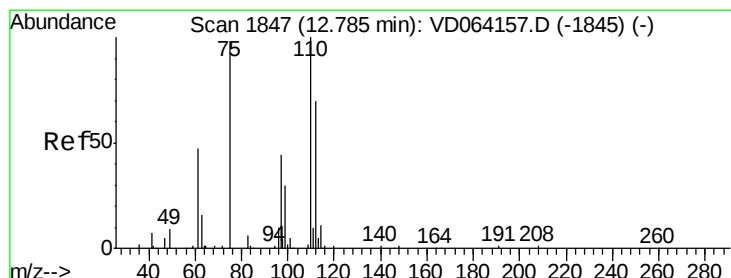
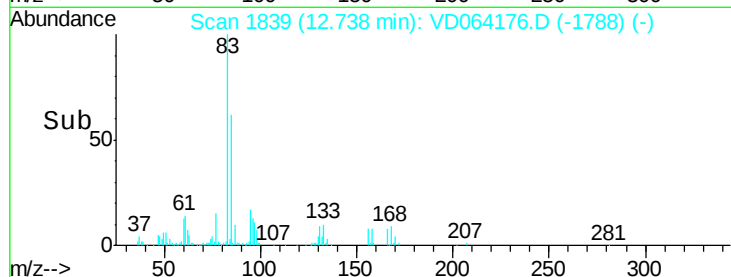
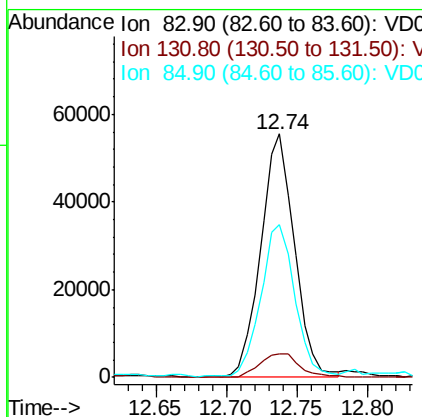
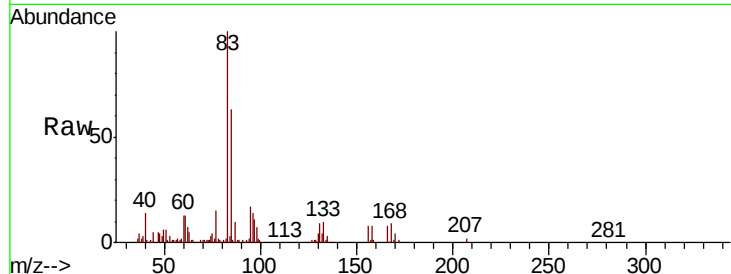
ClientSampleId :

VD1111SBS01

Tot Ion:	83	Resp:	93732
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.9	17.7
85	63.7	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#76

1,2,3-Trichloropropane

Concen: 17.497 ug/l m

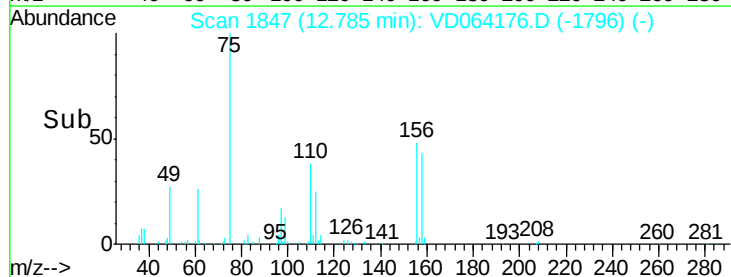
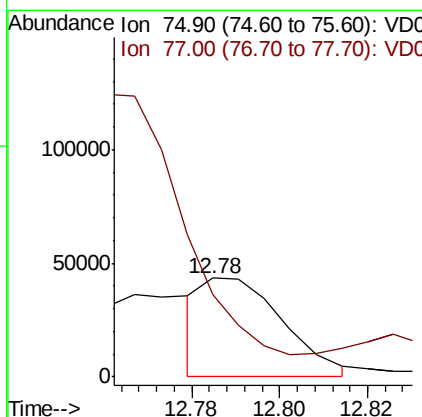
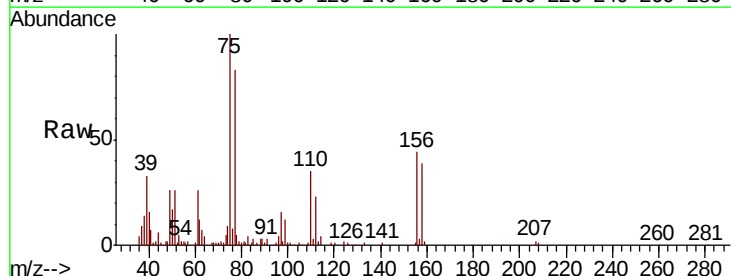
RT: 12.78 min Scan# 1847

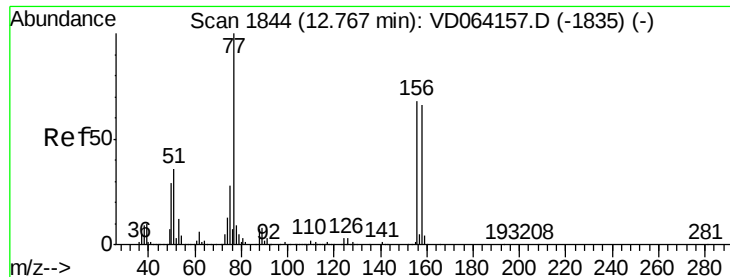
Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion:	75	Resp:	55453
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.329 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

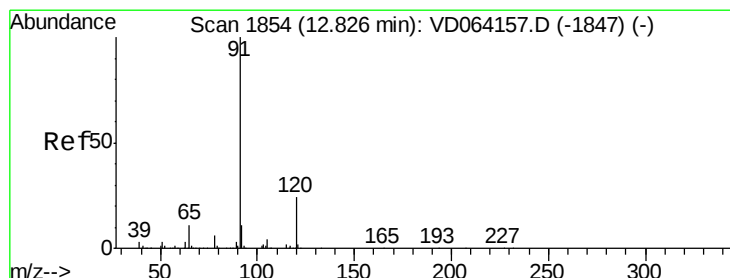
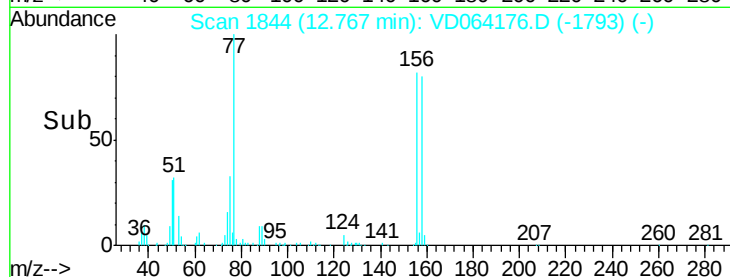
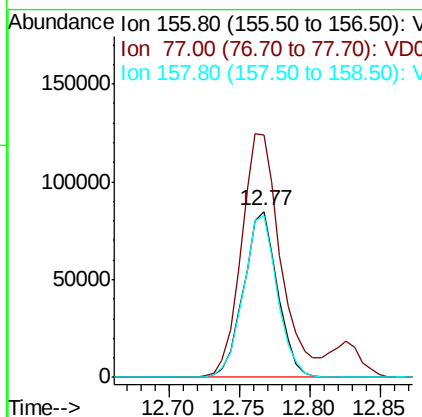
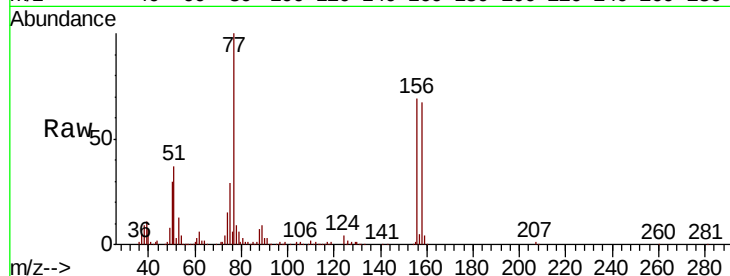
ClientSampleId :

VD1111SBS01

Tot Ion:	156	Resp:	142631
Ion Ratio	Lower	Upper	
156	100		
77	168.1	81.2	243.4
158	97.3	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#78

n-propylbenzene

Concen: 20.858 ug/l

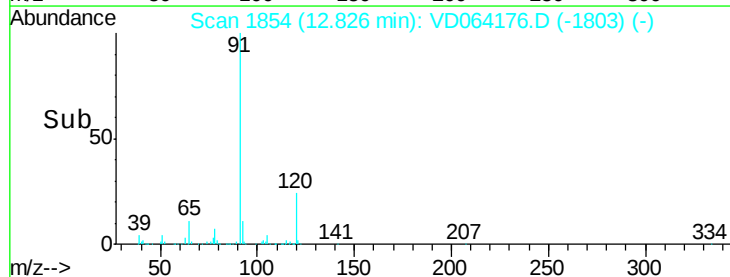
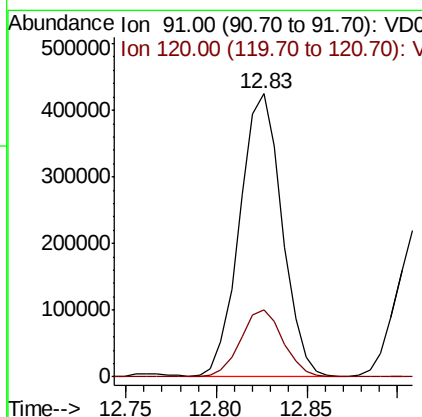
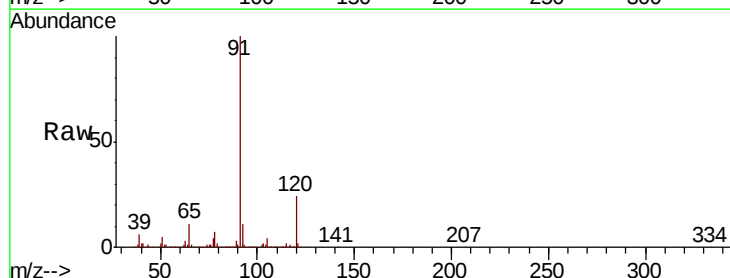
RT: 12.83 min Scan# 1854

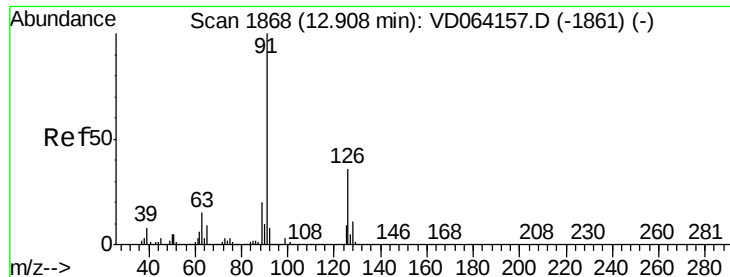
Delta R.T. 0.00 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Tgt Ion:	91	Resp:	688233
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.495 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064176.D

Acq: 11 Nov 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 91 Resp: 381797

Ion Ratio Lower Upper

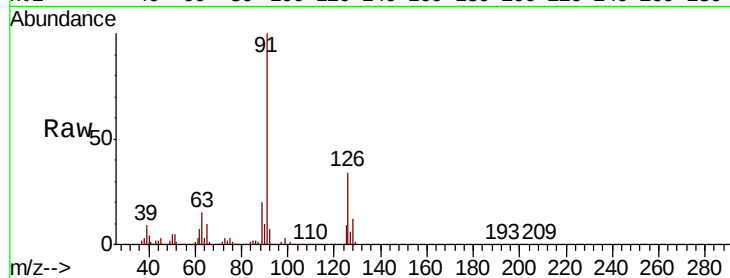
91 100

126 35.0 17.7 53.1

Manual Integrations
APPROVED

MMDadoda

11/12/2019 10:25:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VD064176.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064176.D (-1861) (-)

400000

300000

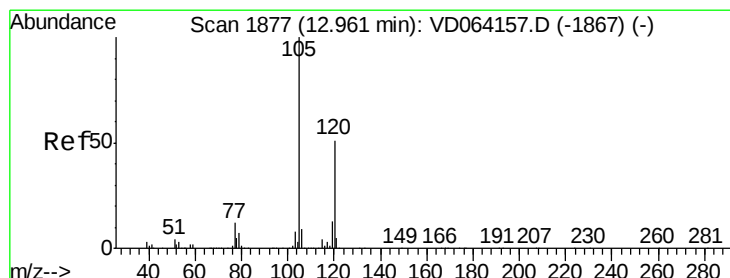
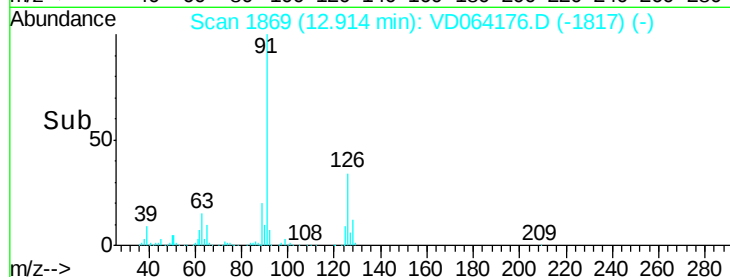
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.544 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD064176.D

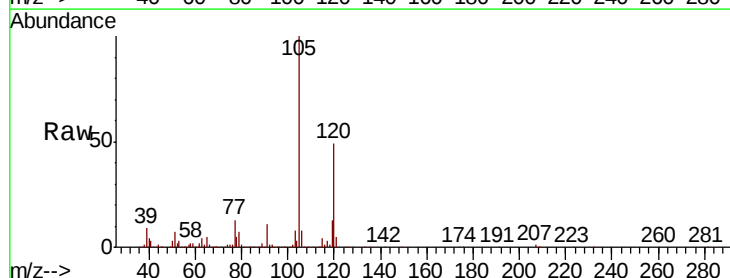
Acq: 11 Nov 2019 14:21

Tgt Ion: 105 Resp: 487526

Ion Ratio Lower Upper

105 100

120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064176.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD064176.D (-1826) (-)

300000

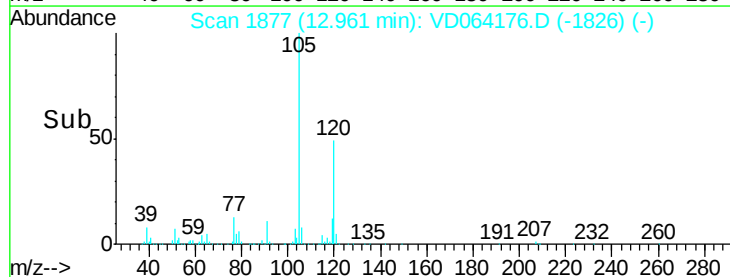
200000

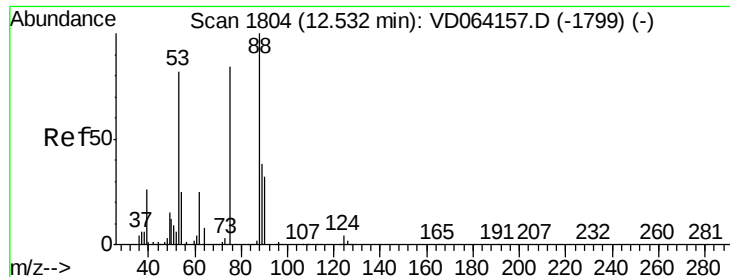
100000

0

12.90 12.96 13.00

Time-->





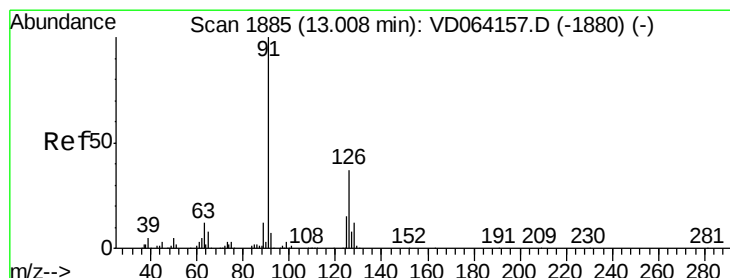
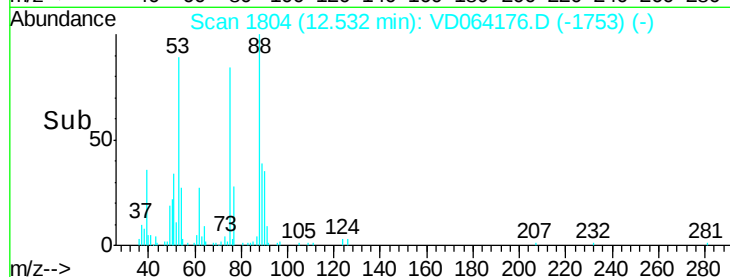
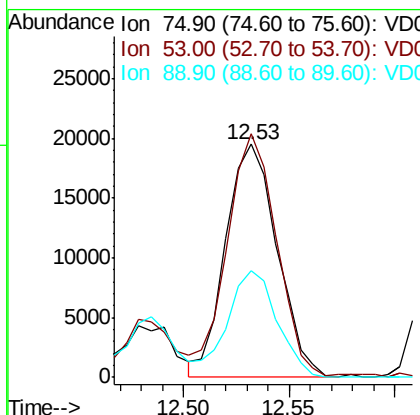
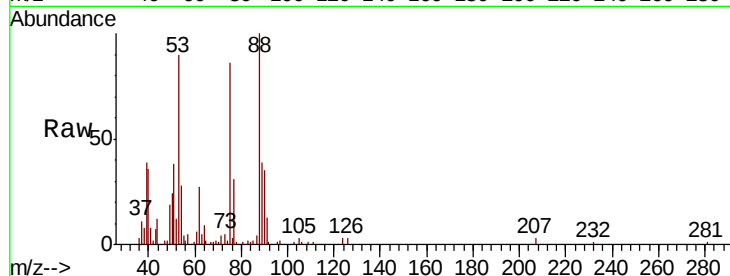
#81
trans-1,4-Dichloro-2-butene
Concen: 20.694 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	79.4	119.0
89	44.5	36.6	55.0

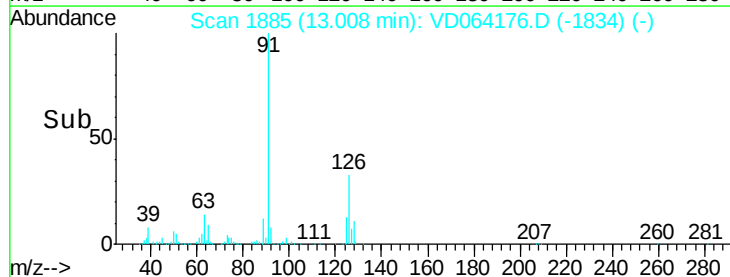
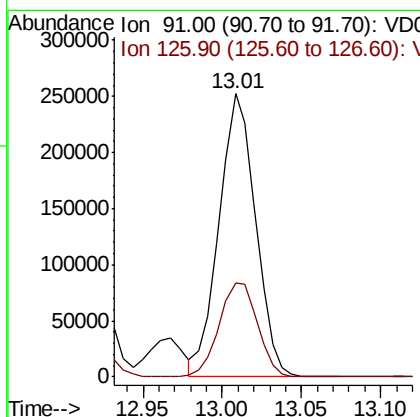
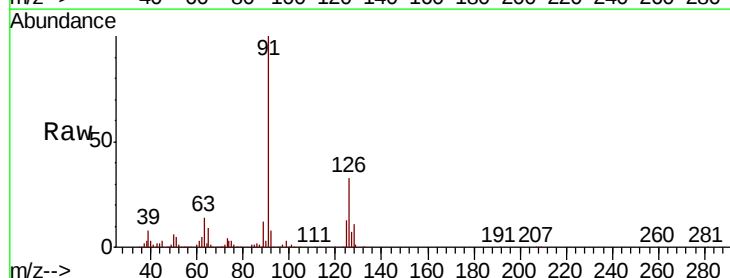
Manual Integrations
APPROVED

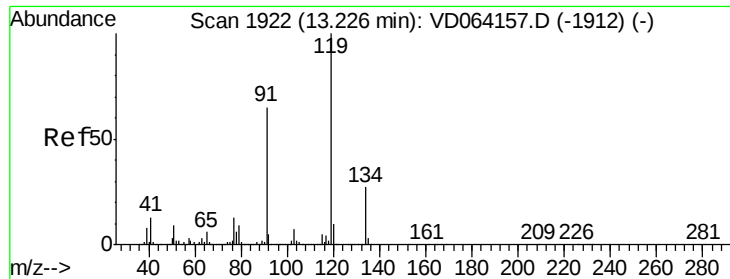
MMDadoda
11/12/2019 10:25:44 AM



#82
4-Chlorotoluene
Concen: 20.770 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.4





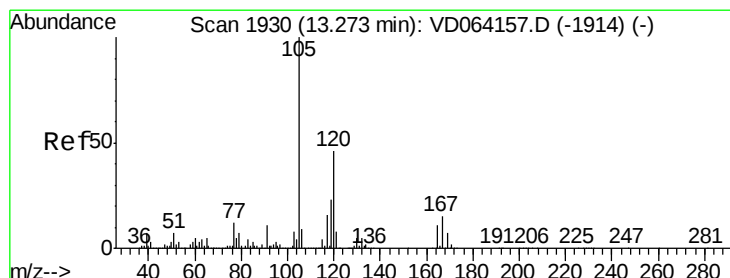
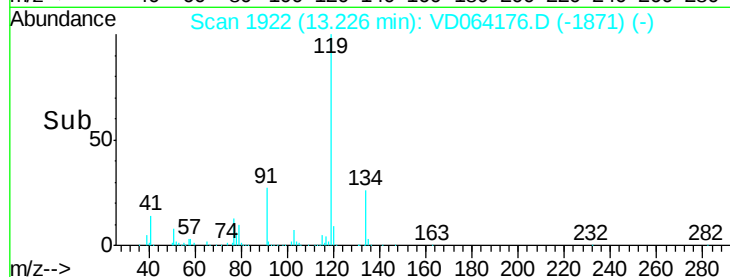
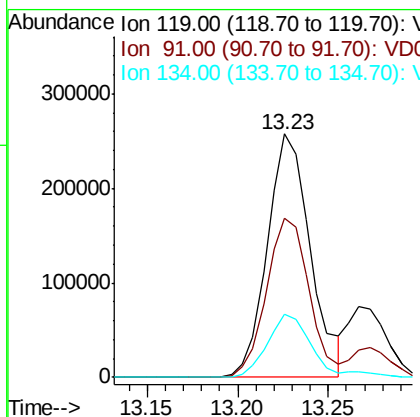
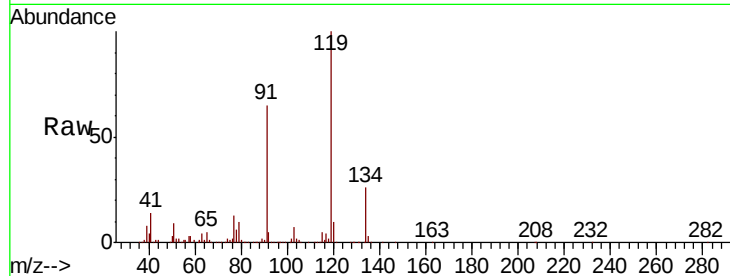
#83
tert-Butylbenzene
Concen: 20.401 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	31.8	95.4
134	27.3	13.7	41.0

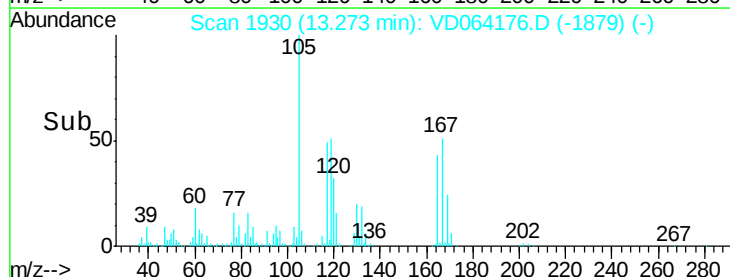
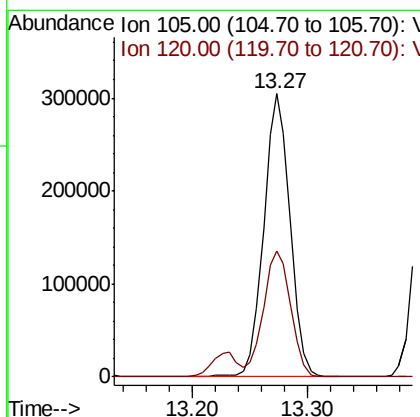
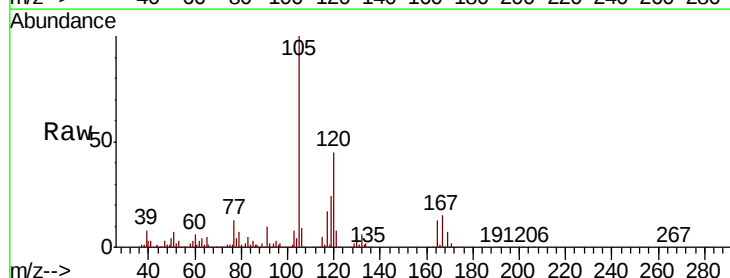
Manual Integrations
APPROVED

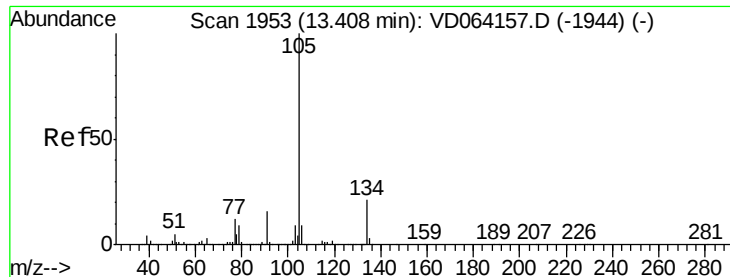
MMDadoda
11/12/2019 10:25:44 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.634 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.8





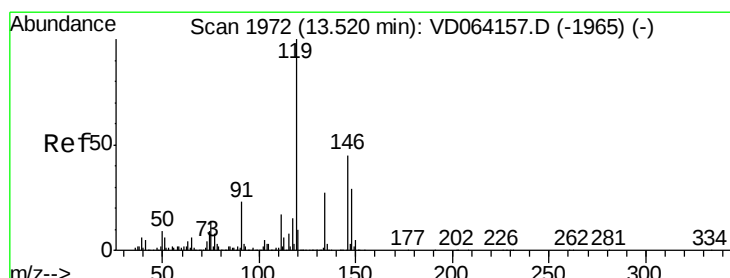
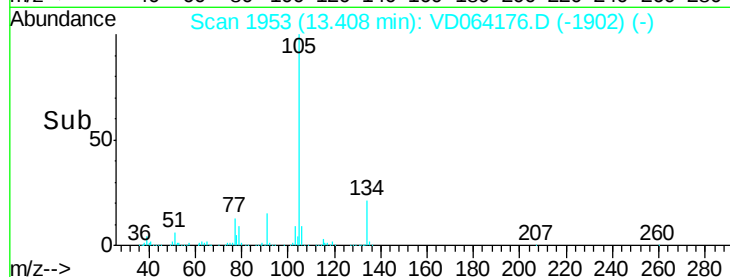
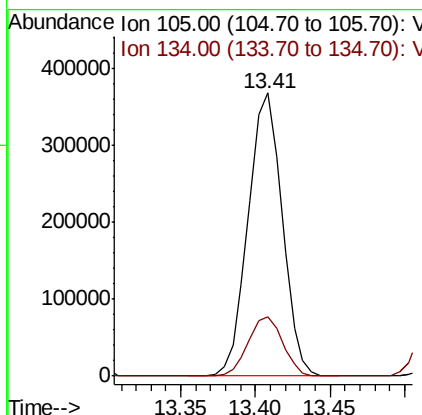
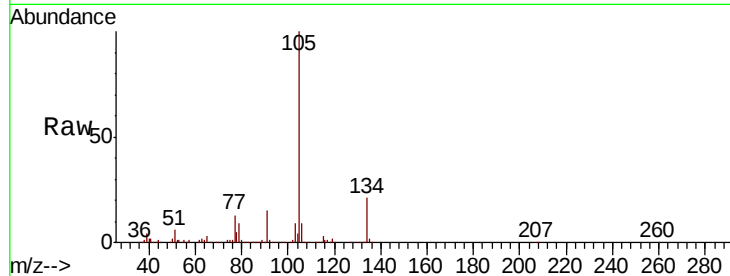
#85
 sec-Butylbenzene
 Concen: 20.710 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	31.9

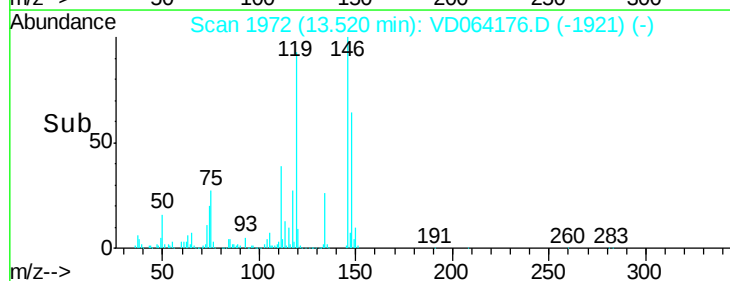
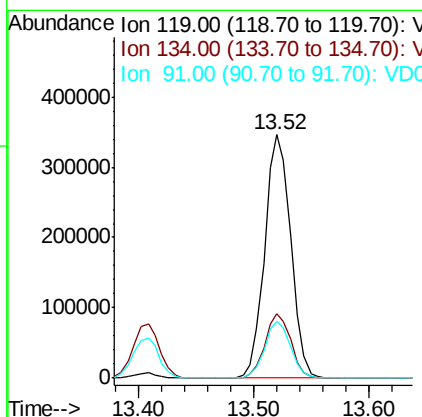
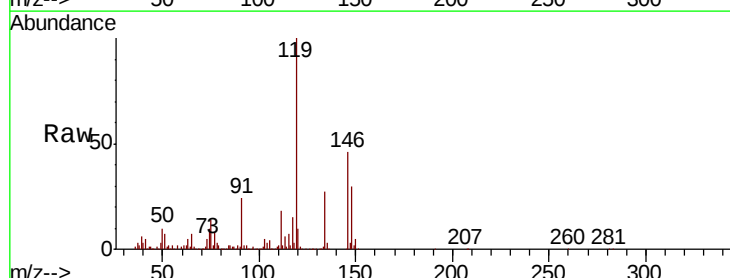
Manual Integrations
 APPROVED

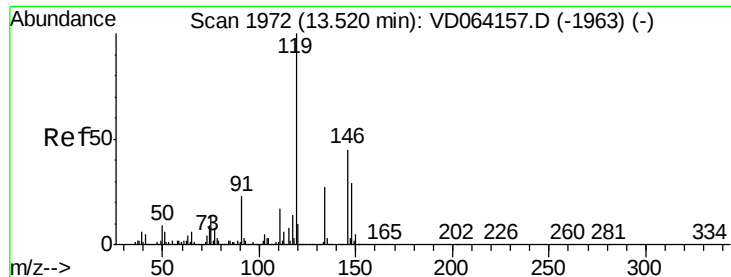
MMDadoda
 11/12/2019 10:25:44 AM



#86
 p-Isopropyltoluene
 Concen: 20.402 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.5
91	23.2	11.5	34.4





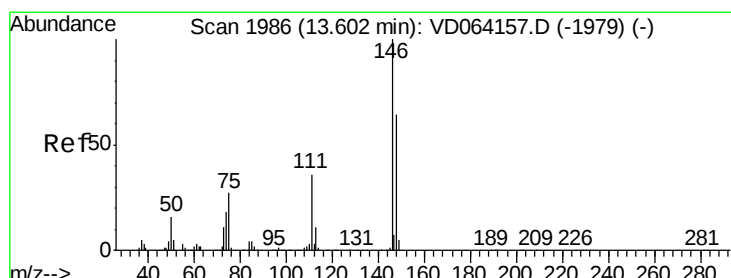
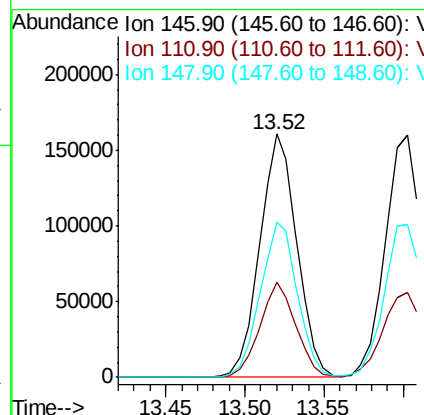
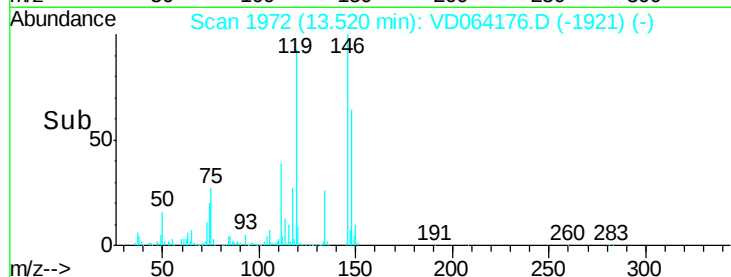
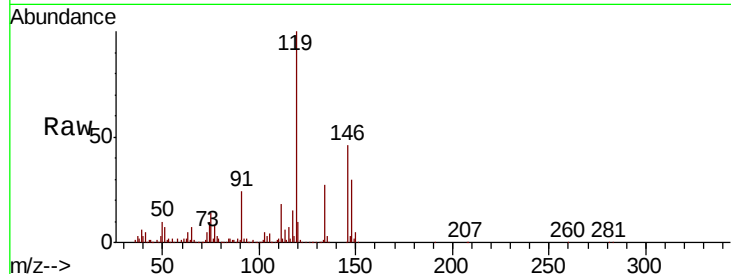
#87
 1,3-Dichlorobenzene
 Concen: 20.053 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.9	32.1	96.5

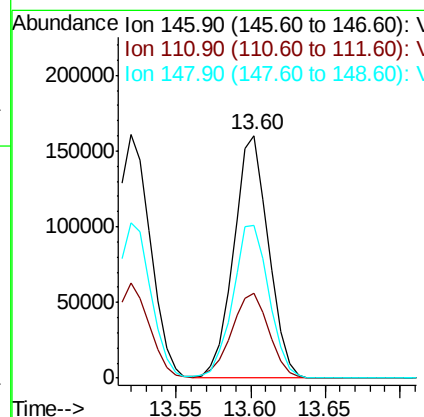
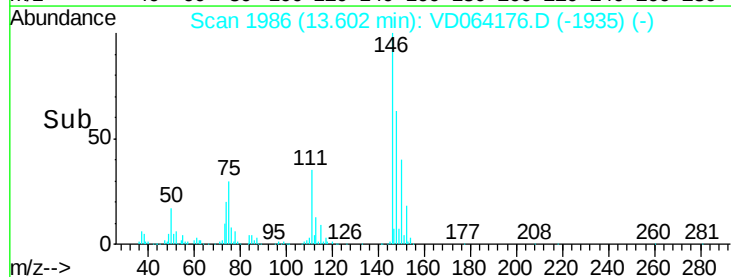
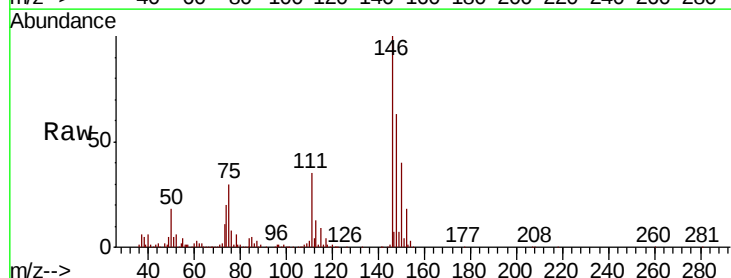
Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.469 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	66.0	31.9	95.7





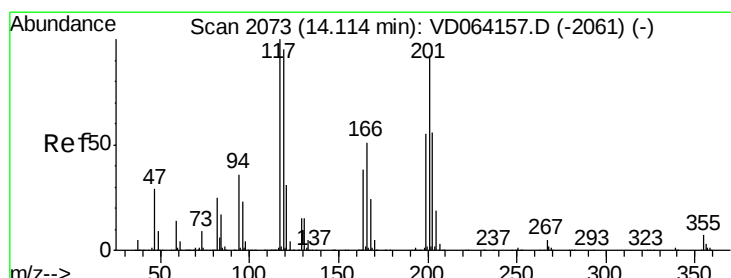
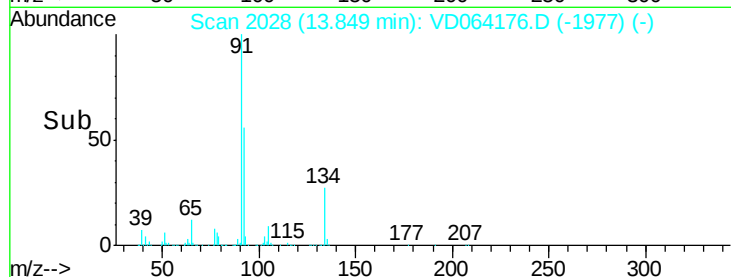
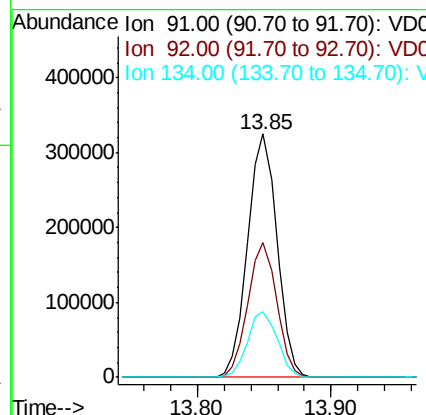
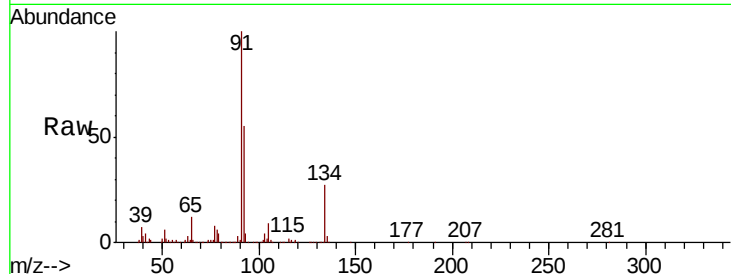
#89
n-Butylbenzene
Concen: 20.456 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.8
134	27.2	14.1	42.4

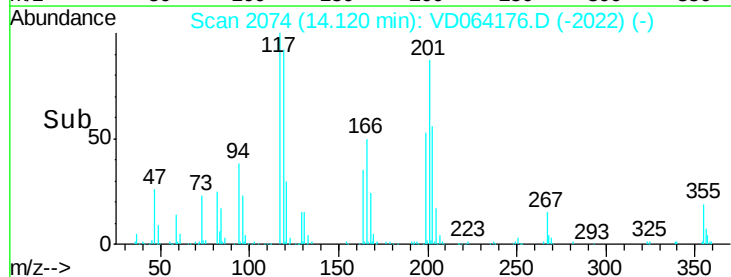
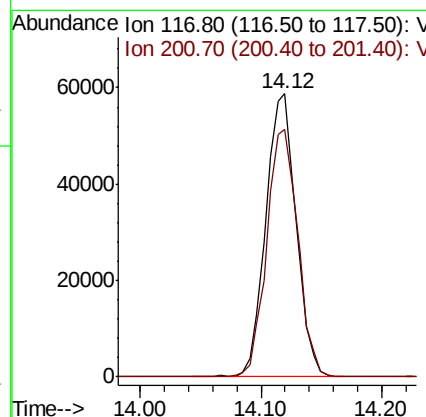
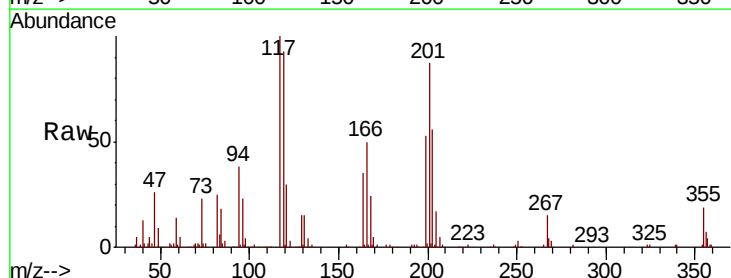
Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#90
Hexachloroethane
Concen: 20.622 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.8	137.4





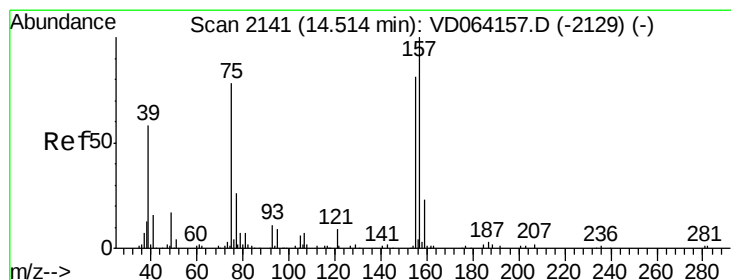
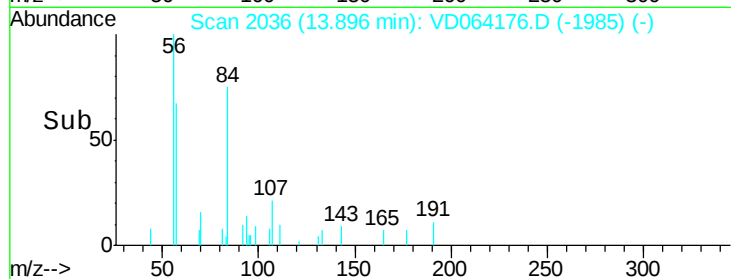
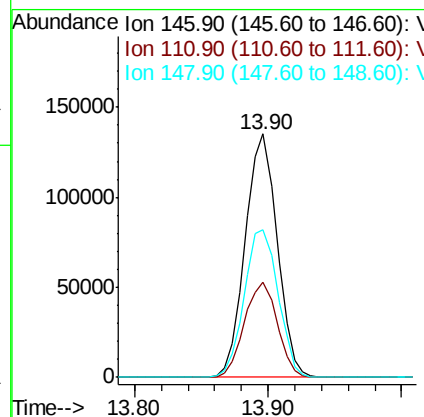
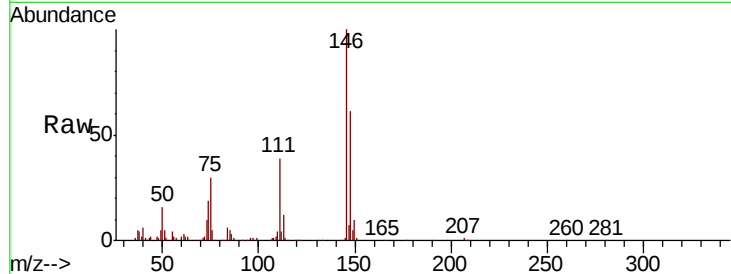
#91
 1,2-Dichlorobenzene
 Concen: 20.292 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	223694		
111	40.4	19.7	59.0	
148	64.5	32.3	96.8	

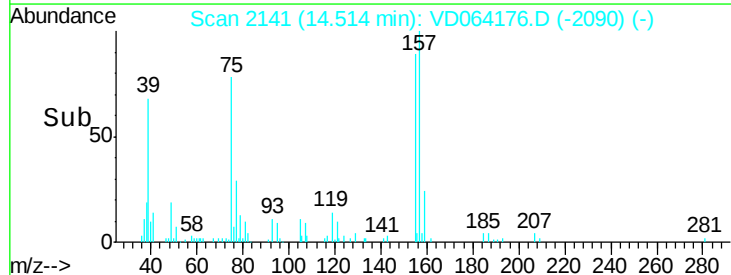
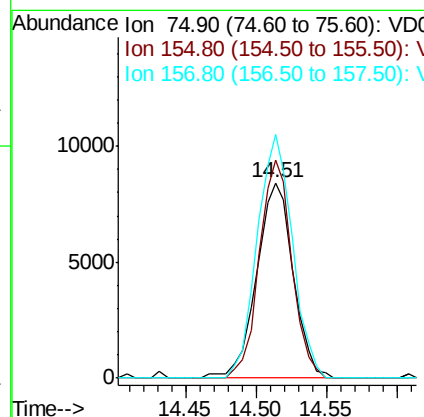
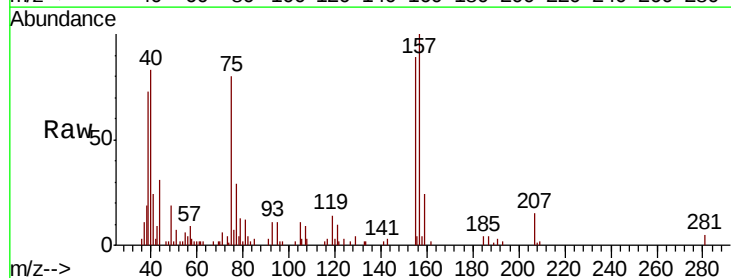
Manual Integrations
 APPROVED

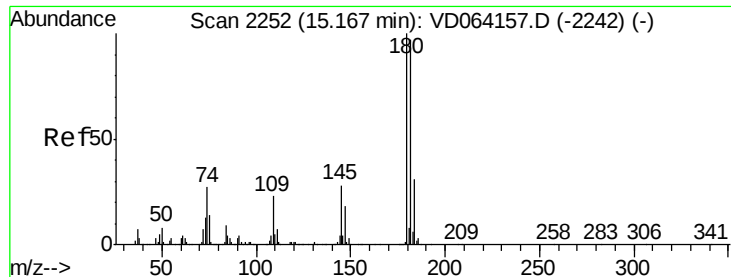
MMDadoda
 11/12/2019 10:25:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.670 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15304		
155	99.2	48.0	144.0	
157	120.2	61.5	184.4	





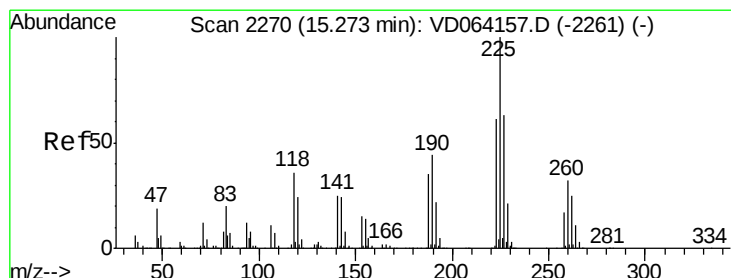
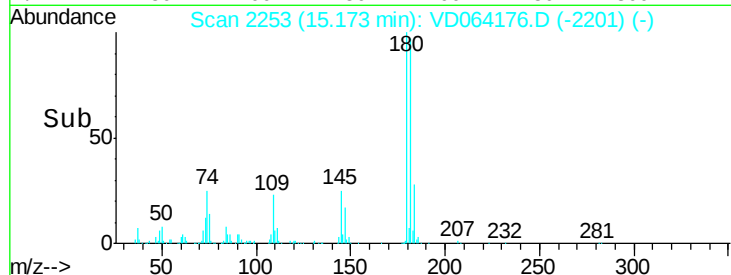
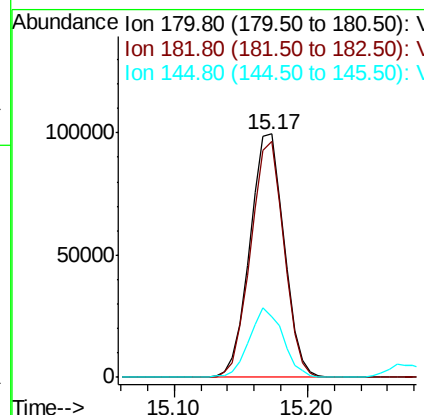
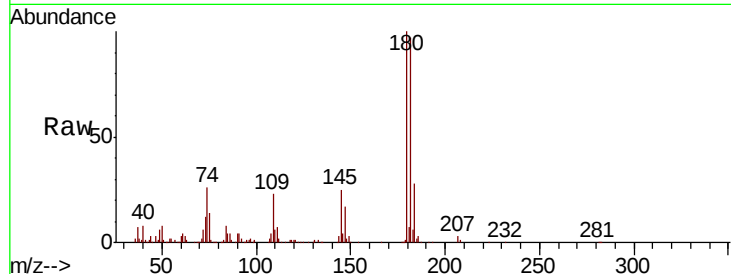
#93
 1,2,4-Trichlorobenzene
 Concen: 20.680 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175856		
182	94.2	47.5	142.5	
145	28.0	14.2	42.6	

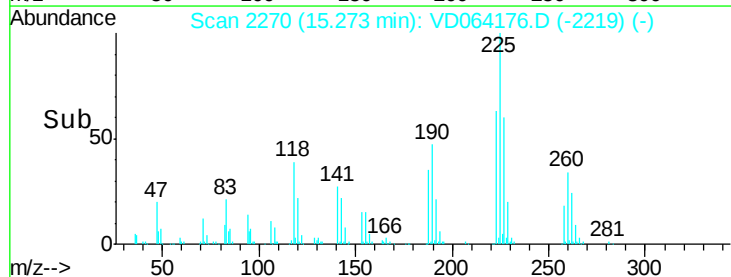
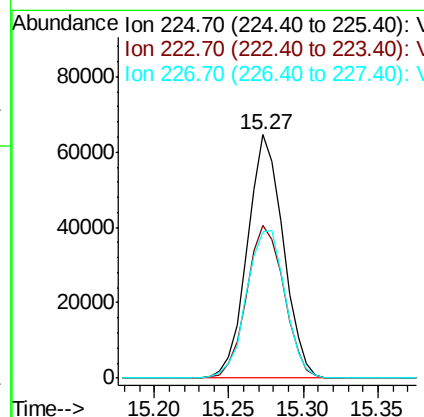
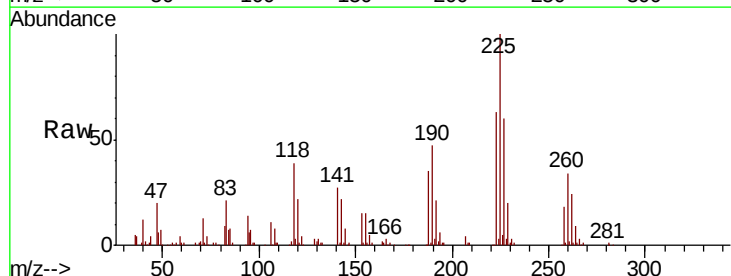
Manual Integrations
 APPROVED

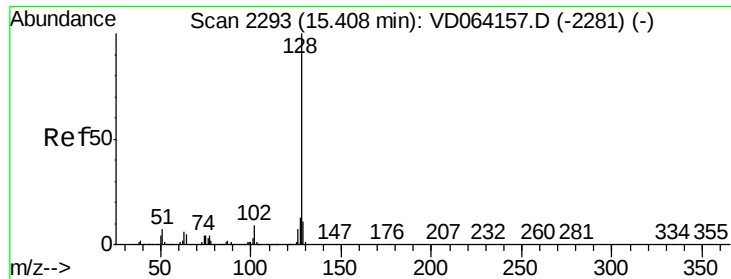
MMDadoda
 11/12/2019 10:25:44 AM



#94
 Hexachlorobutadiene
 Concen: 19.543 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064176.D
 Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107341		
223	65.3	31.1	93.3	
227	65.5	31.5	94.5	





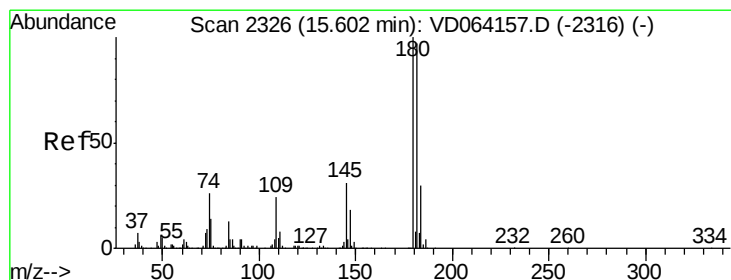
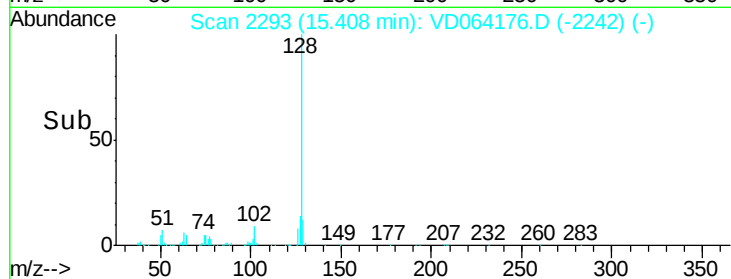
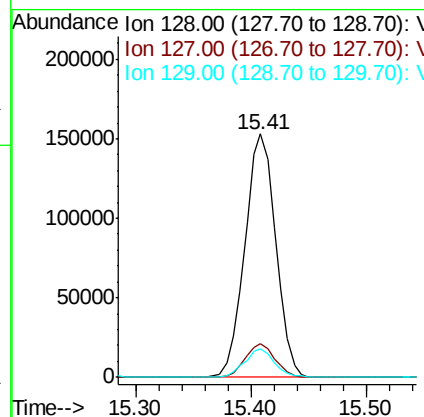
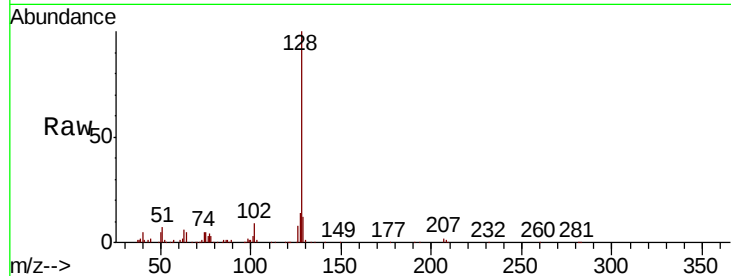
#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	284421		
127	13.5	10.5	15.7	
129	11.3	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
11/12/2019 10:25:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.457 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064176.D
Acq: 11 Nov 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	147871		
182	96.8	48.3	144.9	
145	29.5	15.3	45.8	

