

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064352.D
 Acq On : 25 Nov 2019 10:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:10 AM

Quant Time: Nov 26 05:43:40 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	7.99	168	576806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	801577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	342511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225796	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.91	113	232769	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.34	98	874727	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.64	95	282649	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	196645	41.106	ug/l	98
3) Chloromethane	2.21	50	246995	48.135	ug/l	100
4) Vinyl Chloride	2.35	62	320132	58.341	ug/l	97
5) Bromomethane	2.77	94	215080	62.073	ug/l	97
6) Chloroethane	2.92	64	219400	62.574	ug/l	99
7) Trichlorofluoromethane	3.27	101	557664	62.684	ug/l	95
8) Diethyl Ether	3.70	74	120038	49.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	271017	53.299	ug/l	97
10) Methyl Iodide	4.29	142	293796	50.591	ug/l	99
11) Tert butyl alcohol	5.26	59	73363	221.413	ug/l	98
12) 1,1-Dichloroethene	4.06	96	248686	51.310	ug/l	97
13) Acrolein	3.92	56	77195	275.396	ug/l	98
14) Allyl chloride	4.70	41	410742	47.930	ug/l	95
15) Acrylonitrile	5.43	53	265815	254.896	ug/l	98
16) Acetone	4.17	43	322891	287.313	ug/l	99
17) Carbon Disulfide	4.40	76	697494	46.210	ug/l	98
18) Methyl Acetate	4.72	43	151303	48.203	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	570493	49.306	ug/l	96
20) Methylene Chloride	4.96	84	257358	45.335	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	277327	50.504	ug/l	97
22) Diisopropyl ether	6.37	45	799247	50.267	ug/l	99
23) Vinyl Acetate	6.31	43	2258678	254.840	ug/l	100
24) 1,1-Dichloroethane	6.26	63	477091	51.678	ug/l	99
25) 2-Butanone	7.22	43	367384	253.032	ug/l	97
26) 2,2-Dichloropropane	7.20	77	459983	50.806	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	304447	51.700	ug/l	97
28) Bromochloromethane	7.54	49	176448	54.897	ug/l	100
29) Tetrahydrofuran	7.57	42	211396	242.330	ug/l	98
30) Chloroform	7.71	83	500512	53.001	ug/l	100
31) Cyclohexane	7.99	56	444371	47.727	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	473403	52.354	ug/l	99
36) 1,1-Dichloropropene	8.11	75	391600	52.934	ug/l	99
37) Ethyl Acetate	7.30	43	149144	47.822	ug/l	98
38) Carbon Tetrachloride	8.10	117	436037	55.084	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064352.D
 Acq On : 25 Nov 2019 10:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:10 AM

Quant Time: Nov 26 05:43:40 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	485246	51.837	ug/l	97
40) Benzene	8.35	78	1068267	52.836	ug/l	96
41) Methacrylonitrile	7.53	41	95108	48.519	ug/l	92
42) 1,2-Dichloroethane	8.43	62	308081	50.734	ug/l	100
43) Isopropyl Acetate	8.46	43	313135	48.730	ug/l	99
44) Trichloroethene	9.11	130	320416	52.802	ug/l	98
45) 1,2-Dichloropropane	9.39	63	259160	52.663	ug/l	99
46) Dibromomethane	9.47	93	139657	53.010	ug/l	99
47) Bromodichloromethane	9.66	83	380474	53.614	ug/l	94
48) Methyl methacrylate	9.46	41	142095	45.222	ug/l	95
49) 1,4-Dioxane	9.47	88	33424	1056.351	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	768403	249.359	ug/l	99
52) Toluene	10.40	92	701274	52.748	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	359134	50.514	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	425827	51.328	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	189490	53.019	ug/l	97
56) Ethyl methacrylate	10.66	69	249937	49.992	ug/l	94
57) 1,3-Dichloropropane	10.95	76	323105	51.838	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	477685	235.873	ug/l	99
59) 2-Hexanone	10.99	43	570634	260.287	ug/l	99
60) Dibromochloromethane	11.14	129	259650	52.065	ug/l	99
61) 1,2-Dibromoethane	11.25	107	187583	52.402	ug/l	99
64) Tetrachloroethene	10.88	164	273147	51.765	ug/l	97
65) Chlorobenzene	11.67	112	736410	52.783	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	284376	53.605	ug/l	100
67) Ethyl Benzene	11.75	91	1369191	54.255	ug/l	100
68) m/p-Xylenes	11.86	106	1040922	107.611	ug/l	100
69) o-Xylene	12.18	106	477062	53.177	ug/l	100
70) Styrene	12.20	104	838819	53.565	ug/l	99
71) Bromoform	12.37	173	157883	52.295	ug/l	99
73) Isopropylbenzene	12.48	105	1328859	52.858	ug/l	99
74) N-amyl acetate	12.29	43	281368	47.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	194605	51.372	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	126875m	45.989	ug/l	
77) Bromobenzene	12.77	156	314384	51.474	ug/l	99
78) n-propylbenzene	12.83	91	1560687	54.336	ug/l	99
79) 2-Chlorotoluene	12.91	91	839023	51.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1092731	52.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	68064	49.007	ug/l	99
82) 4-Chlorotoluene	13.01	91	875954	51.788	ug/l	99
83) tert-Butylbenzene	13.23	119	963054	52.870	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1084371	53.170	ug/l	100
85) sec-Butylbenzene	13.41	105	1322666	54.063	ug/l	99
86) p-Isopropyltoluene	13.53	119	1255688	53.987	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	603827	53.259	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	589168	53.245	ug/l	99
89) n-Butylbenzene	13.86	91	1139646	54.235	ug/l	99
90) Hexachloroethane	14.12	117	231746	53.913	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	510276	53.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	30704	45.333	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
Data File : VD064352.D
Acq On : 25 Nov 2019 10:50
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM

Quant Time: Nov 26 05:43:40 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	391617	52.903	ug/l	99
94) Hexachlorobutadiene	15.28	225	258897	54.147	ug/l	99
95) Naphthalene	15.41	128	624040	51.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	335319	53.289	ug/l	98

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

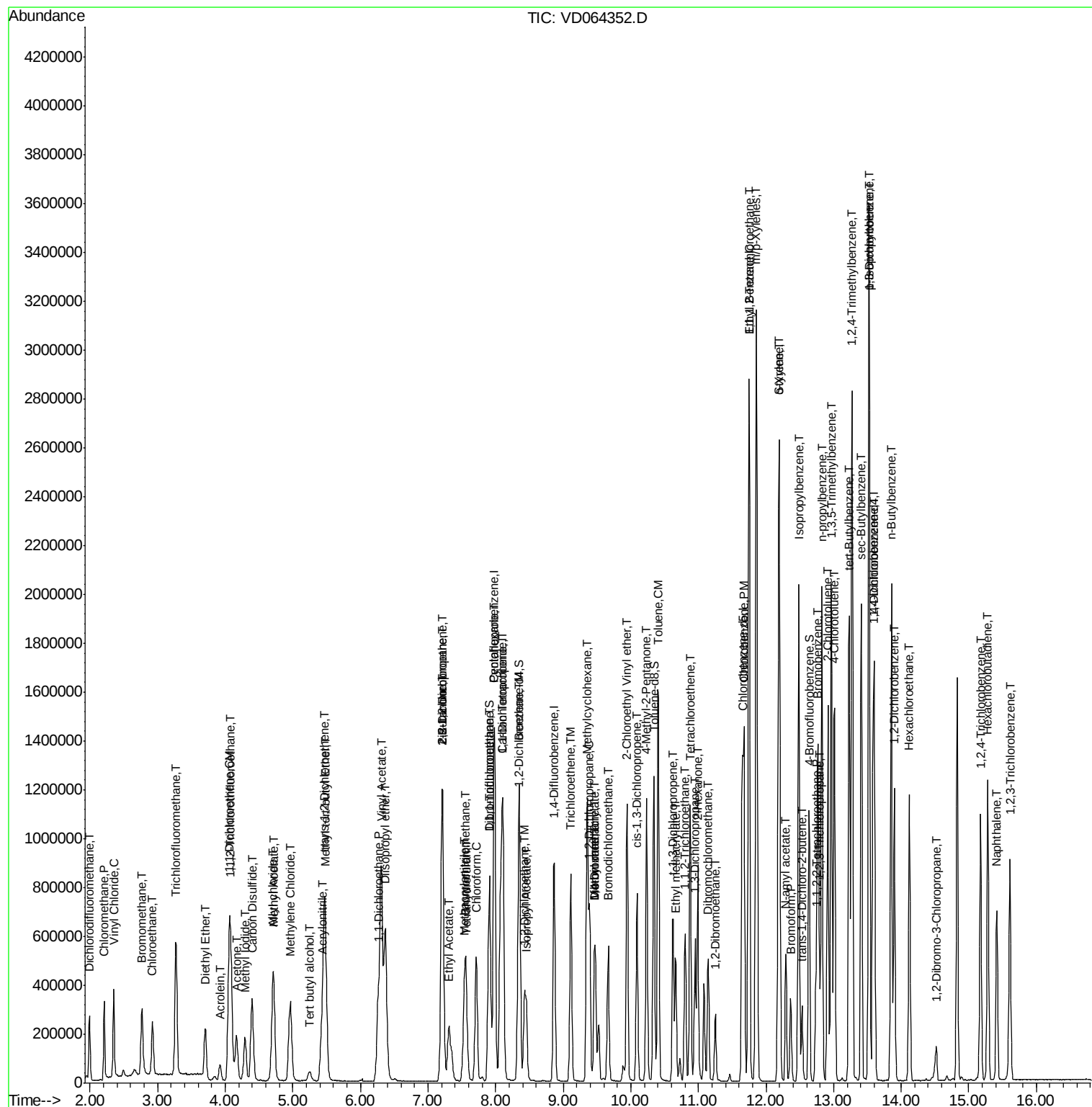
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064352.D
 Acq On : 25 Nov 2019 10:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

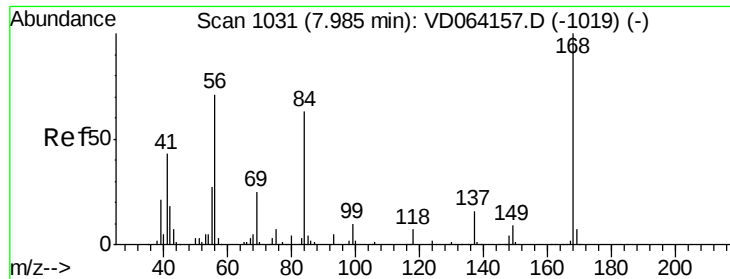
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:10 AM

Quant Time: Nov 26 05:43:40 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 576806

Ion Ratio Lower Upper

168 100

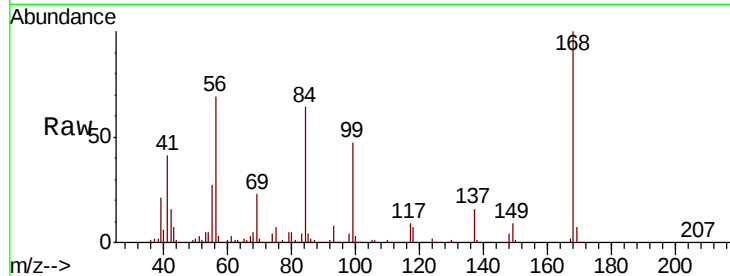
99 46.4 41.6 62.4

Manual Integrations

APPROVED

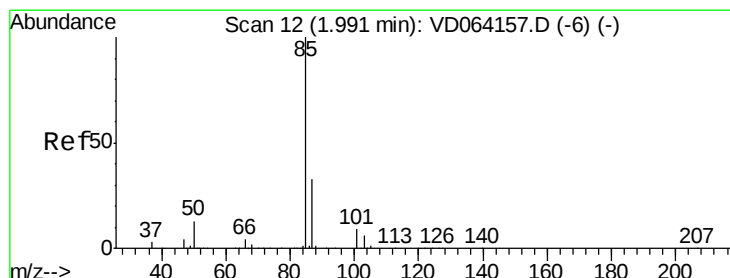
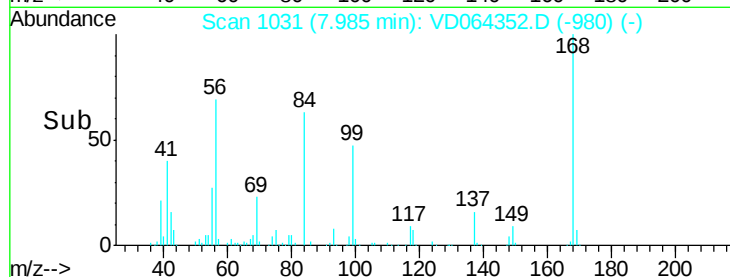
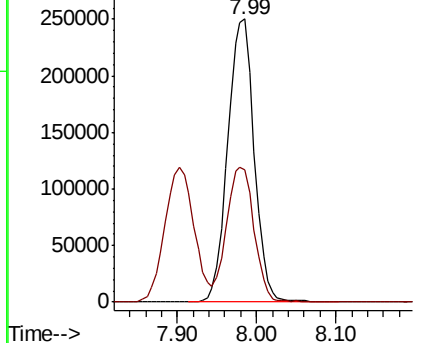
MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.106 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064352.D

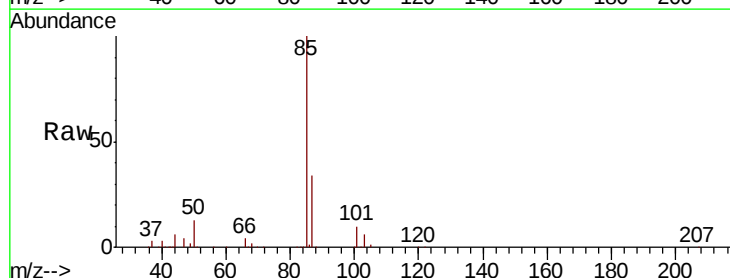
Acq: 25 Nov 2019 10:50

Tgt Ion: 85 Resp: 196645

Ion Ratio Lower Upper

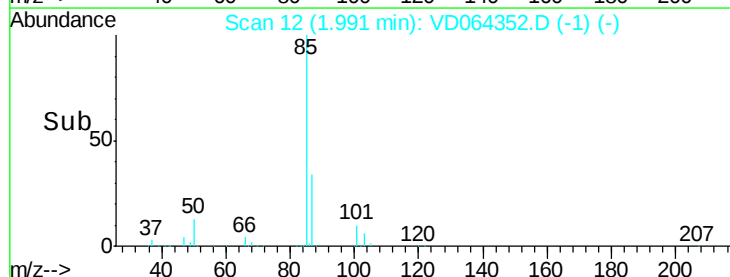
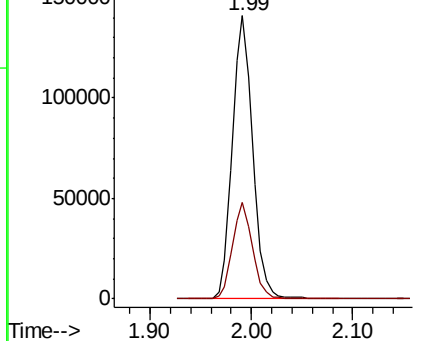
85 100

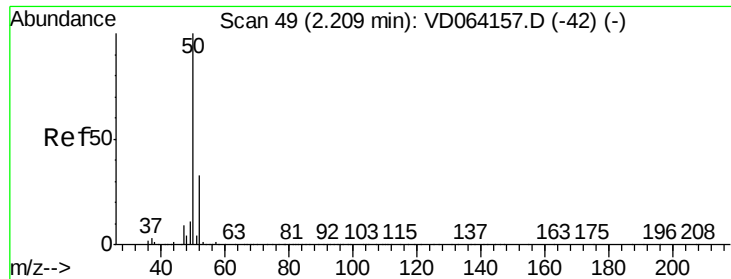
87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.135 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 246995

Ion Ratio Lower Upper

50 100

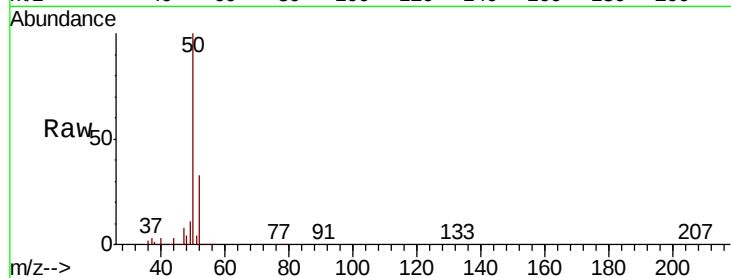
52 33.0 26.2 39.4

Manual Integrations

APPROVED

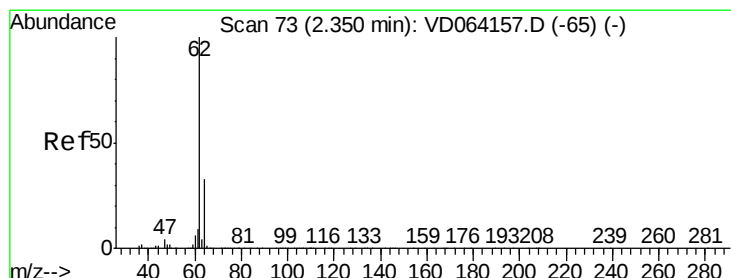
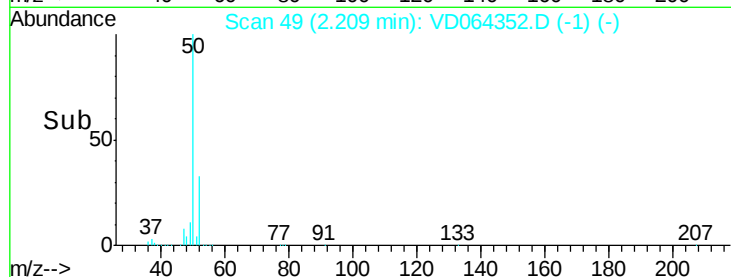
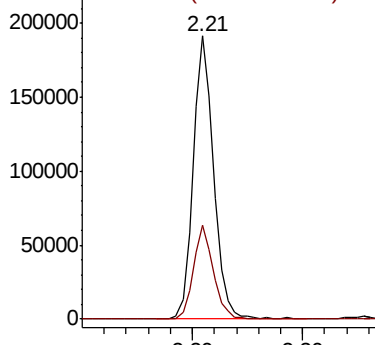
MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 58.341 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064352.D

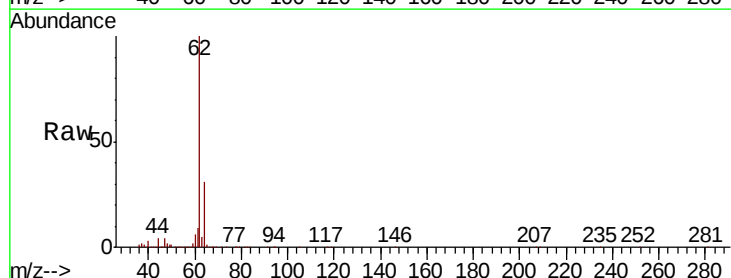
Acq: 25 Nov 2019 10:50

Tgt Ion: 62 Resp: 320132

Ion Ratio Lower Upper

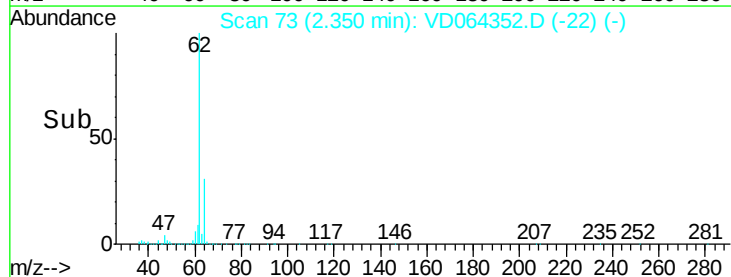
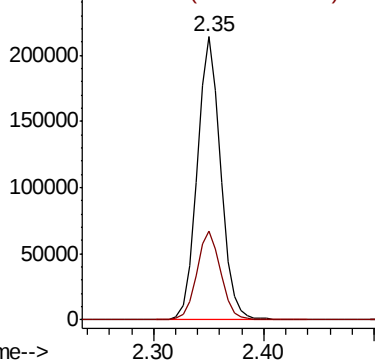
62 100

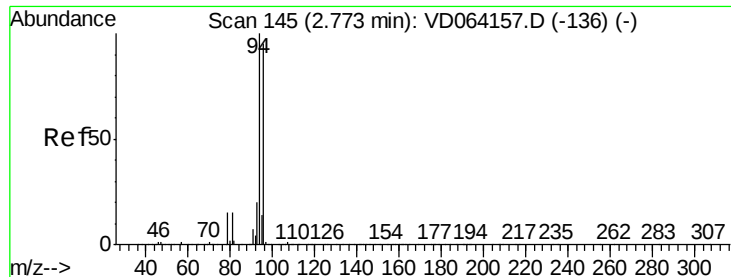
64 31.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 62.073 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 215080

Ion Ratio Lower Upper

94 100

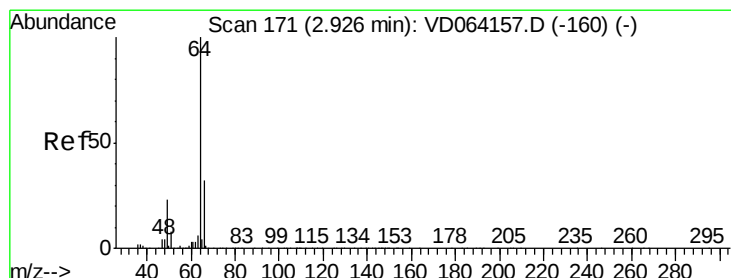
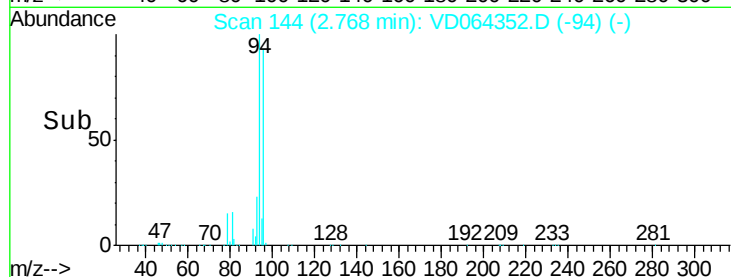
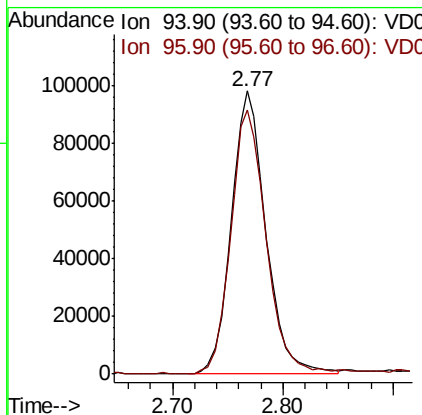
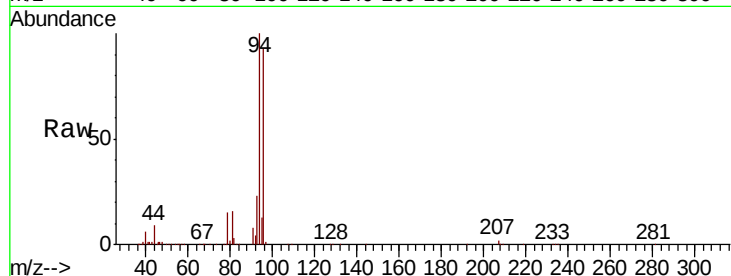
96 92.9 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

11/26/2019 9:56:10 AM



#6

Chloroethane

Concen: 62.574 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064352.D

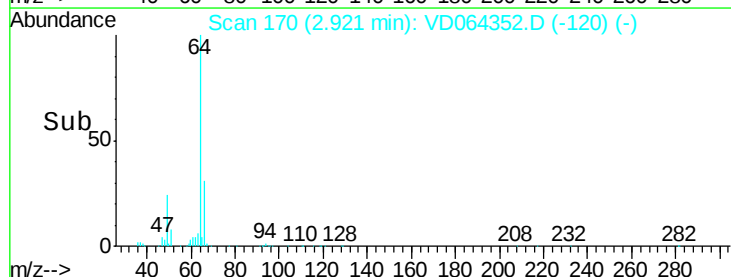
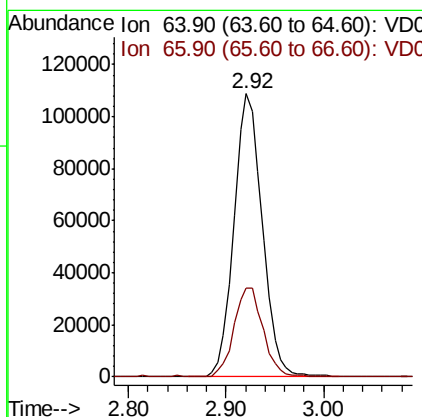
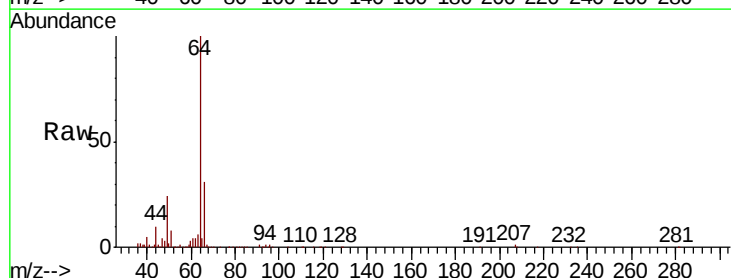
Acq: 25 Nov 2019 10:50

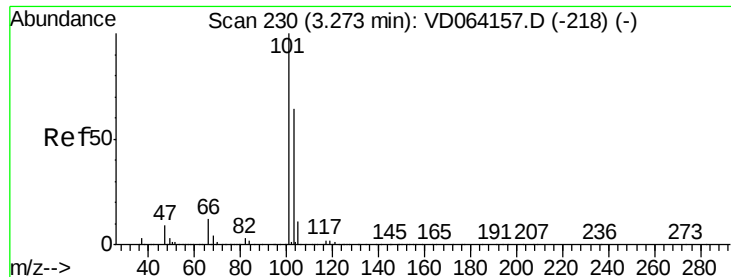
Tgt Ion: 64 Resp: 219400

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

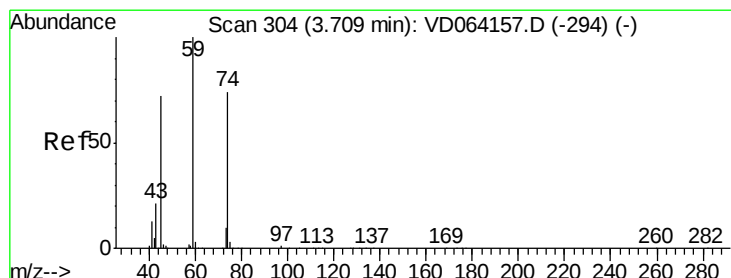
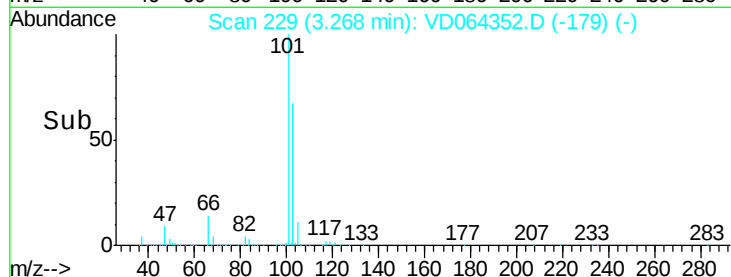
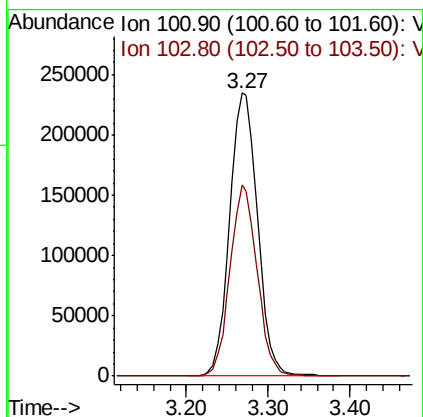
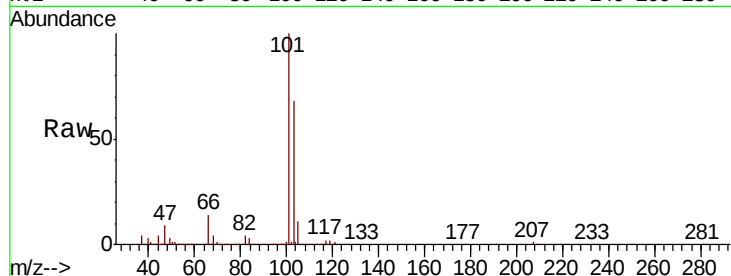
Trichlorofluoromethane
Concen: 62.684 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	50.8	76.2

Manual Integrations
APPROVED

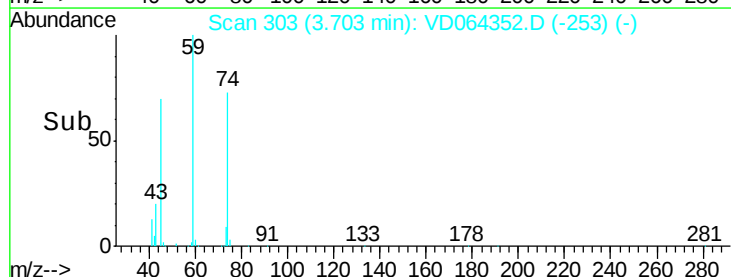
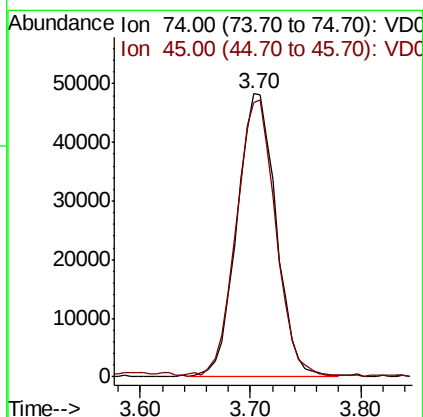
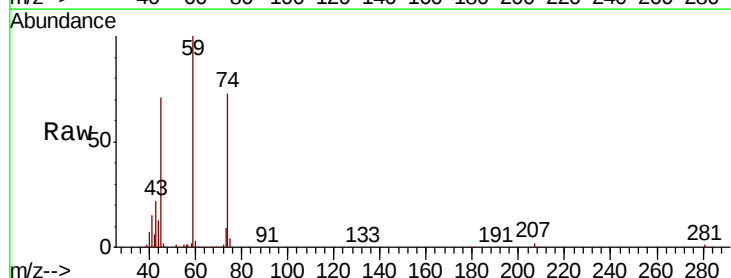
MMDadoda
11/26/2019 9:56:10 AM



#8

Diethyl Ether
Concen: 49.072 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.299 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

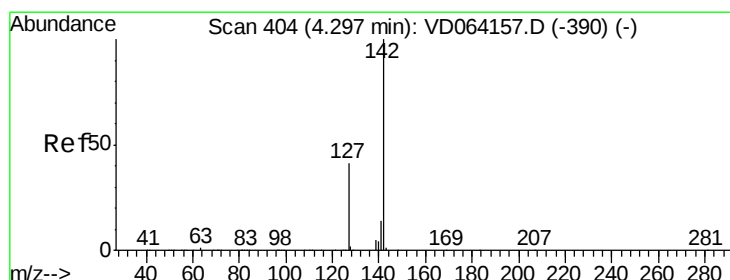
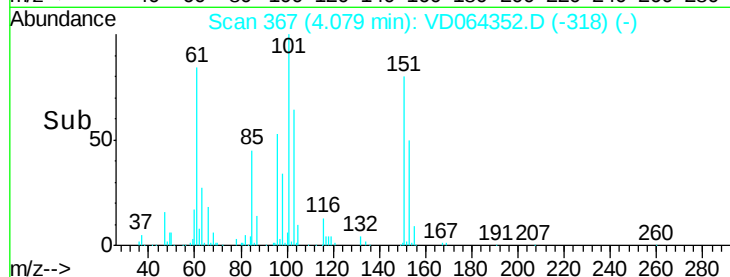
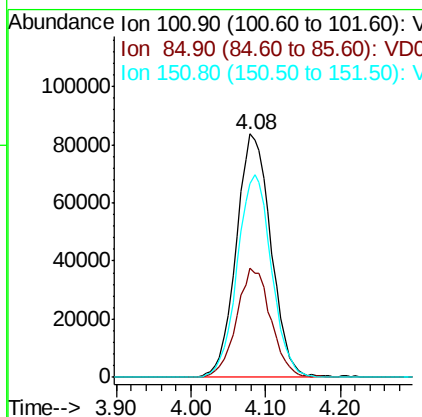
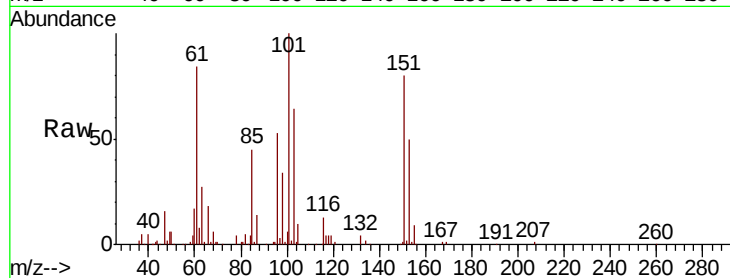
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	271017
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.4	51.6
151	82.0	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#10

Methyl Iodide

Concen: 50.591 ug/l

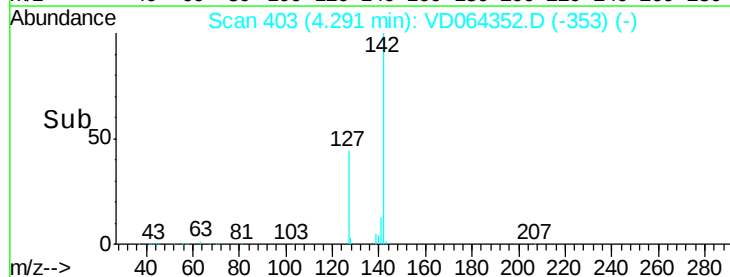
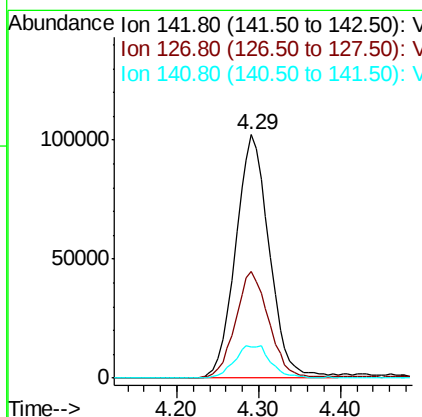
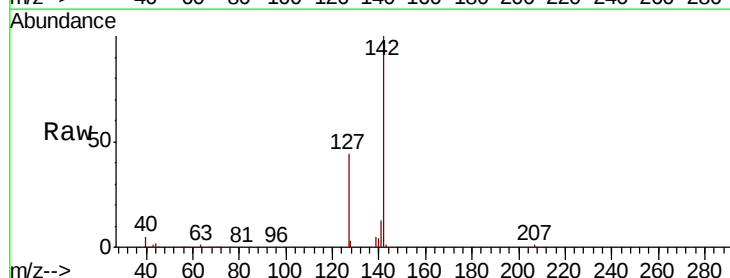
RT: 4.29 min Scan# 403

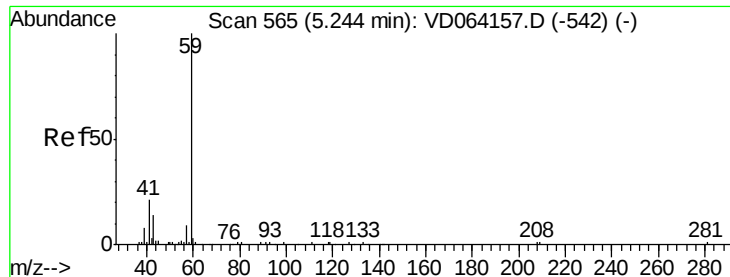
Delta R.T. -0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	142	Resp:	293796
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.4	51.6
141	14.4	11.2	16.8





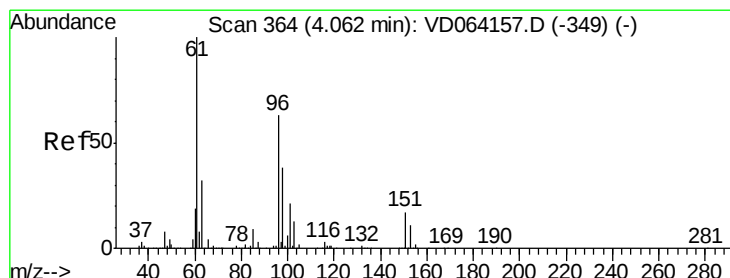
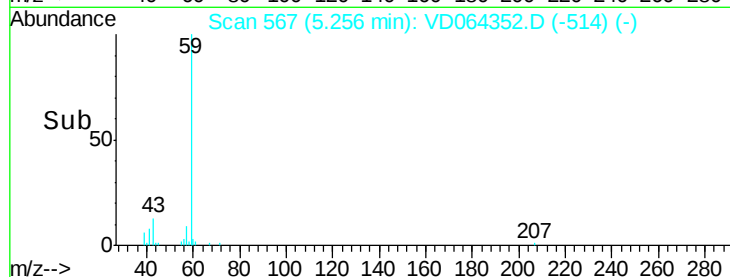
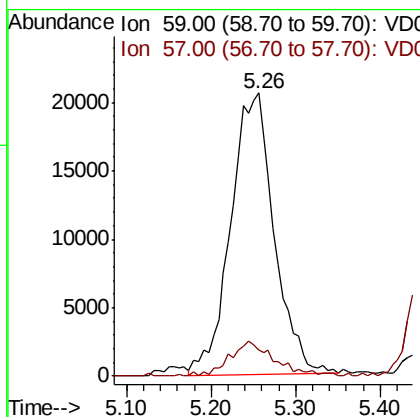
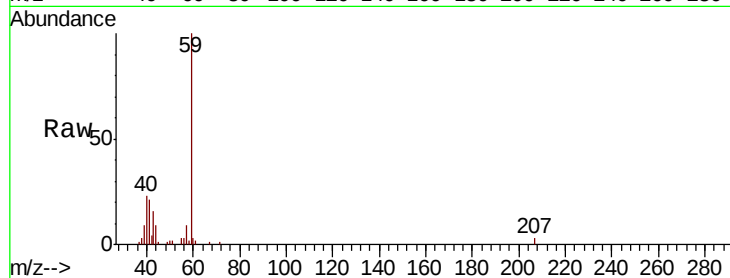
#11
Tert butyl alcohol
Concen: 221.413 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 73363
Ion Ratio Lower Upper
59 100
57 12.7 9.4 14.2

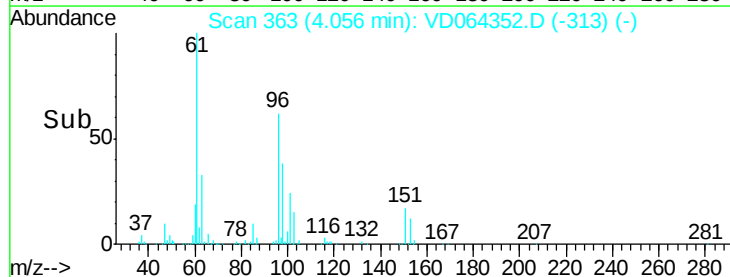
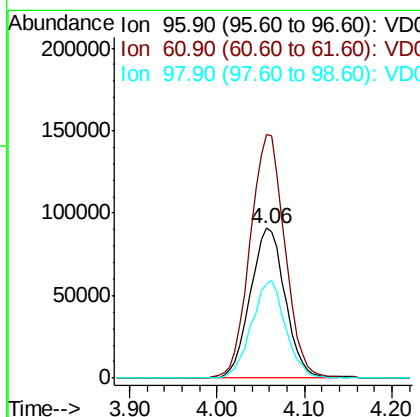
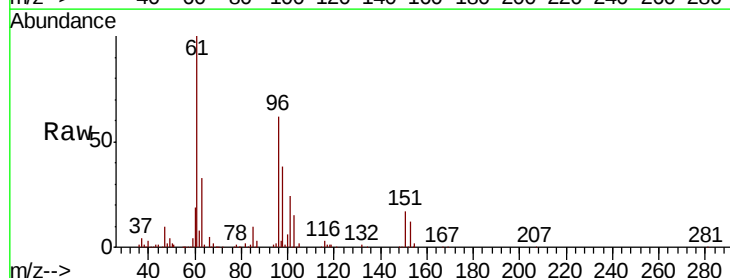
Manual Integrations
APPROVED

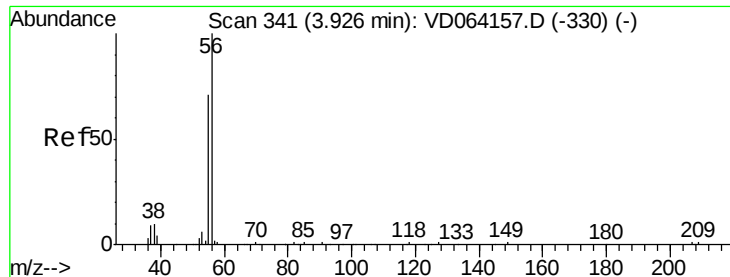
MMDadoda
11/26/2019 9:56:10 AM



#12
1,1-Dichloroethene
Concen: 51.310 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion: 96 Resp: 248686
Ion Ratio Lower Upper
96 100
61 162.5 127.4 191.2
98 62.4 48.1 72.1





#13

Acrolein

Concen: 275.396 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77195

Ion Ratio Lower Upper

56 100

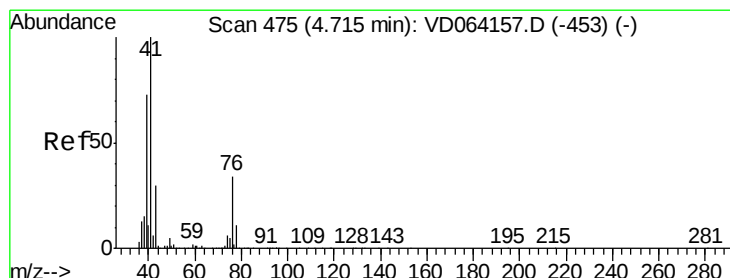
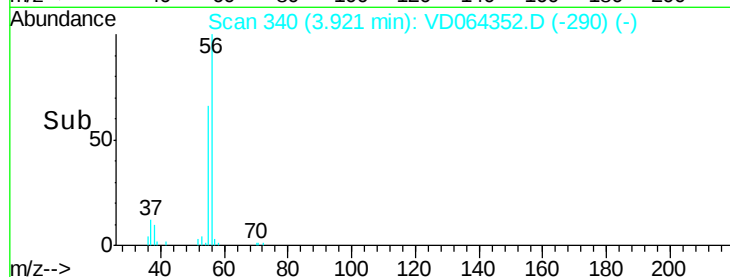
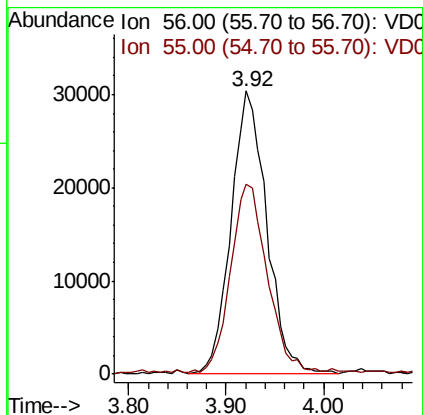
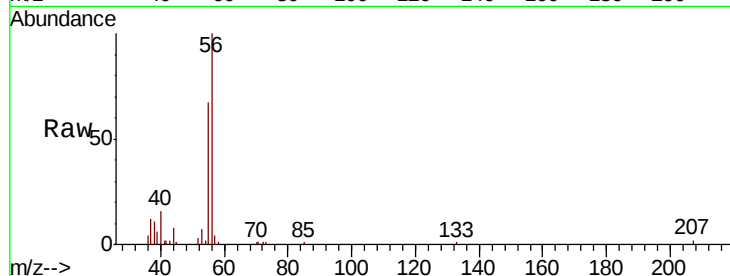
55 68.3 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/26/2019 9:56:10 AM



#14

Allyl chloride

Concen: 47.930 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

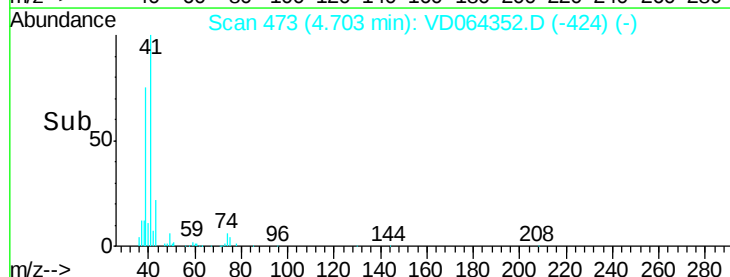
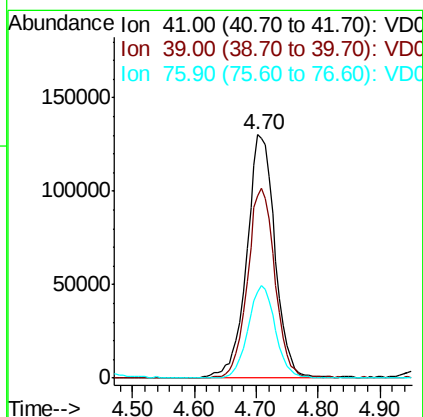
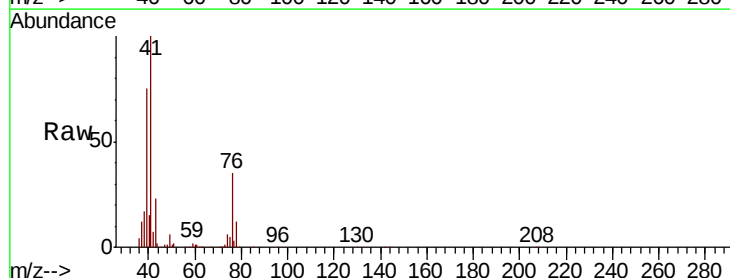
Tgt Ion: 41 Resp: 410742

Ion Ratio Lower Upper

41 100

39 76.3 57.5 86.3

76 36.4 26.8 40.2





#15

Acrylonitrile

Concen: 254.896 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

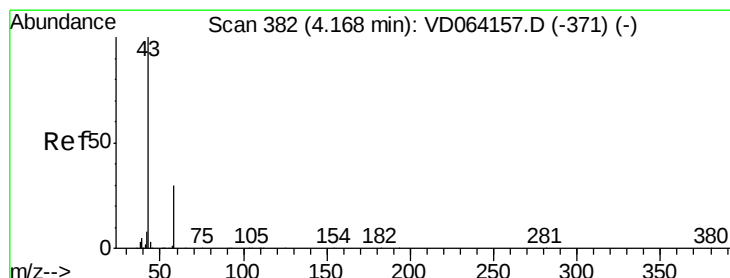
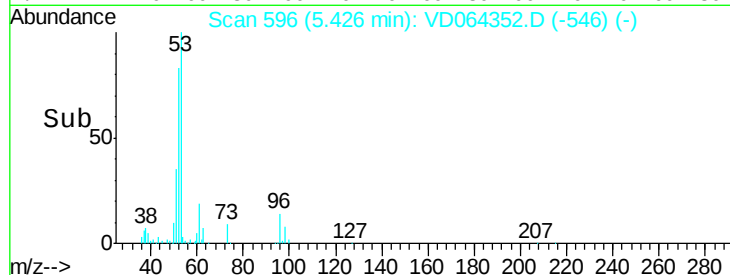
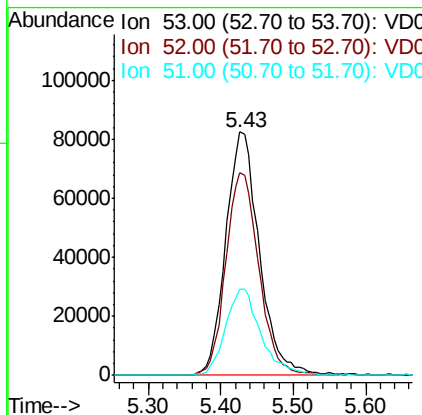
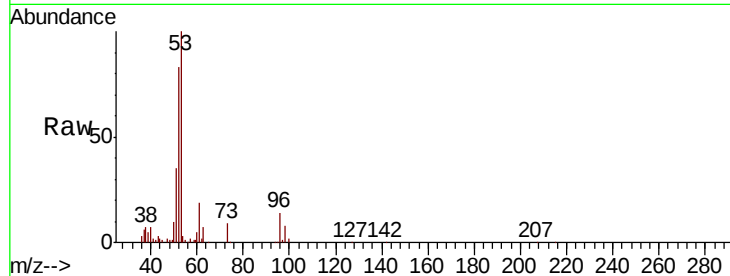
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	265815
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.7	100.1
51	37.0	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#16

Acetone

Concen: 287.313 ug/l

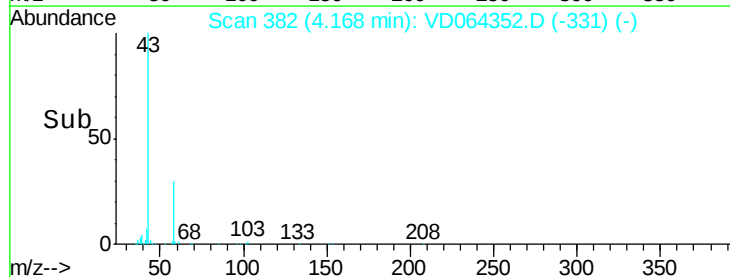
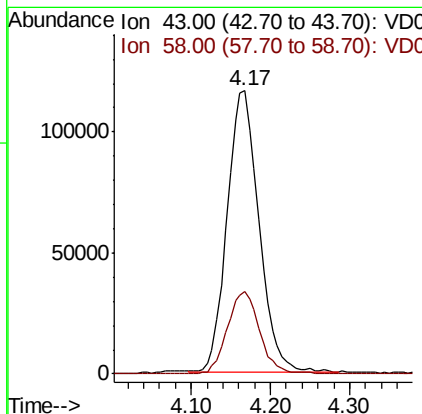
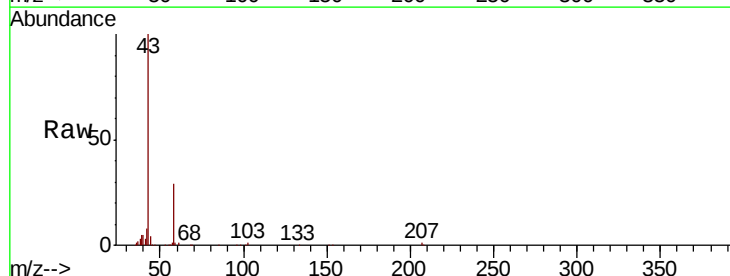
RT: 4.17 min Scan# 382

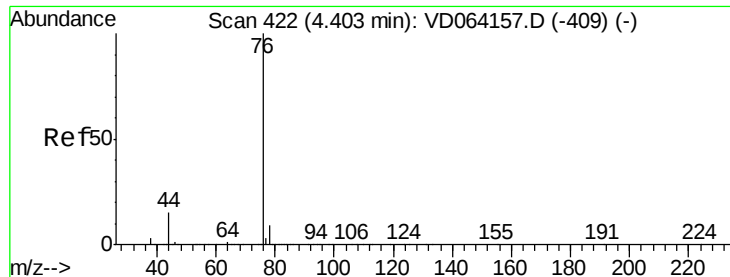
Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	43	Resp:	322891
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.1	36.1





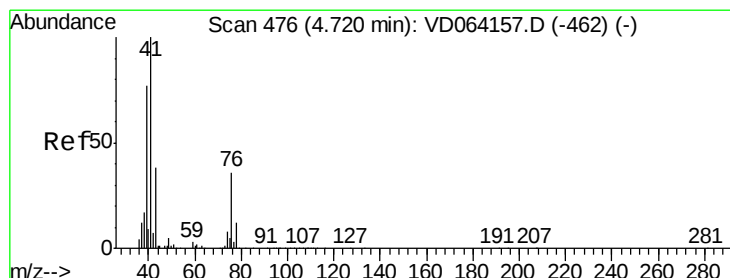
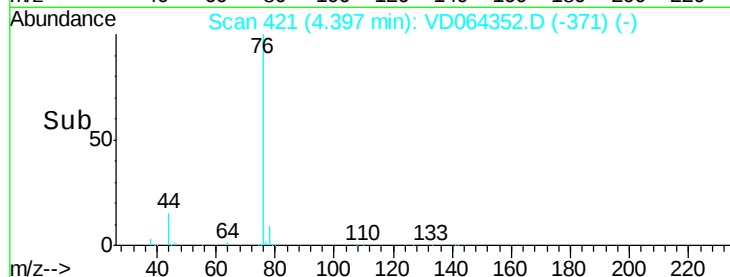
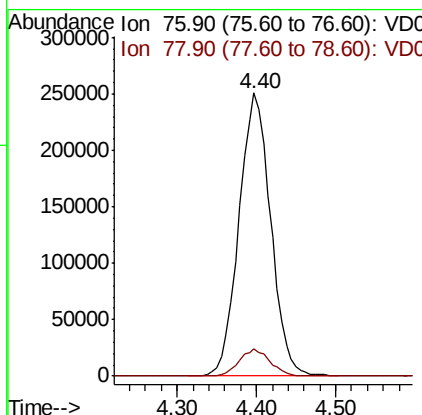
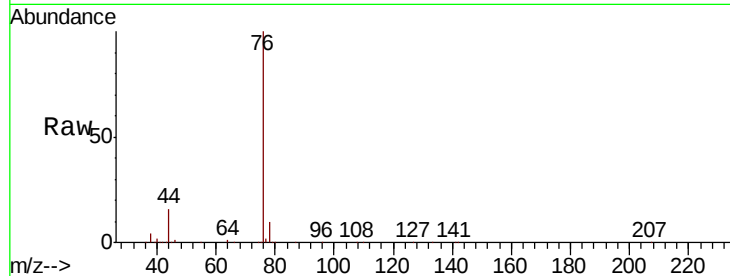
#17
Carbon Disulfide
Concen: 46.210 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

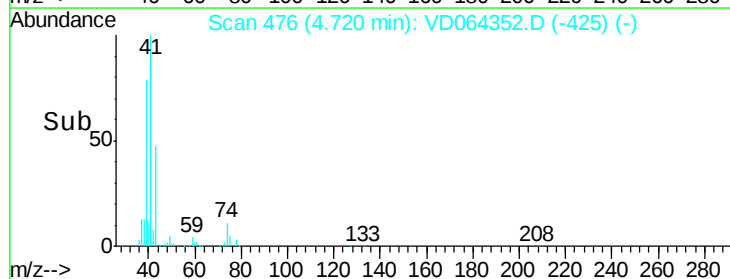
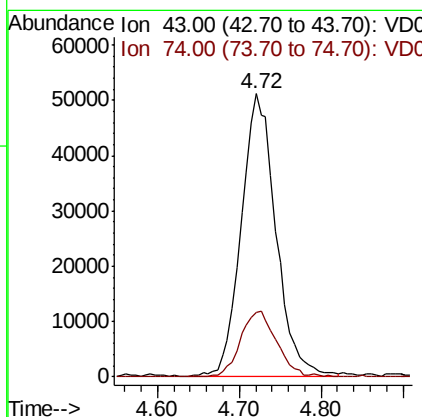
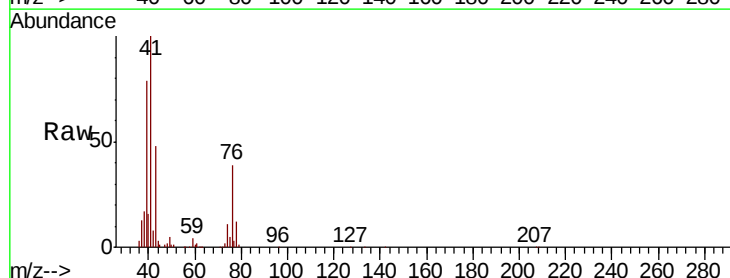
Manual Integrations
APPROVED

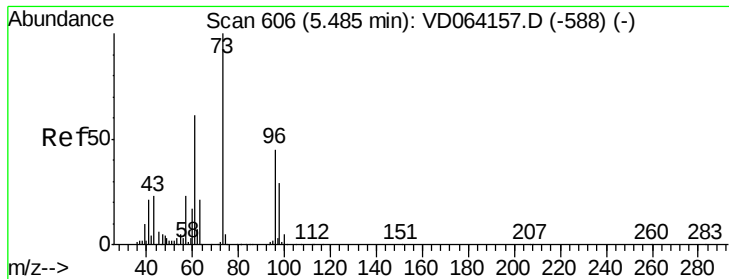
MMDadoda
11/26/2019 9:56:10 AM



#18
Methyl Acetate
Concen: 48.203 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.4	27.6





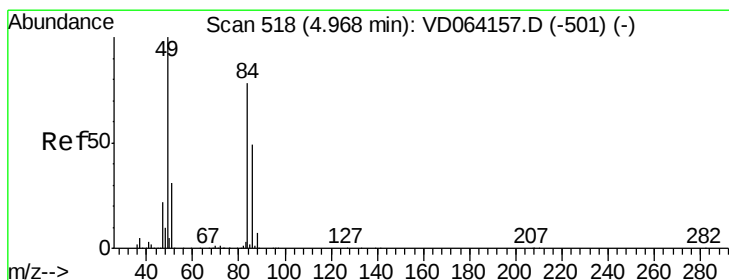
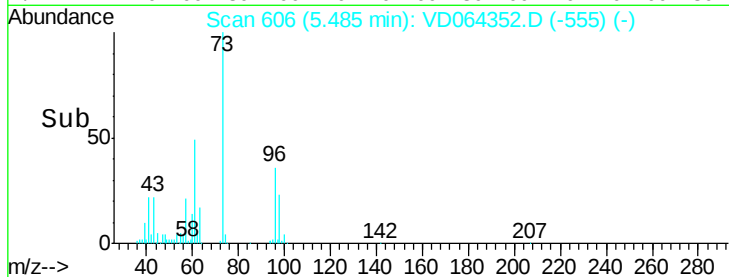
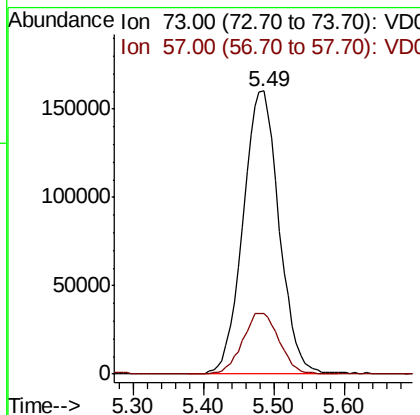
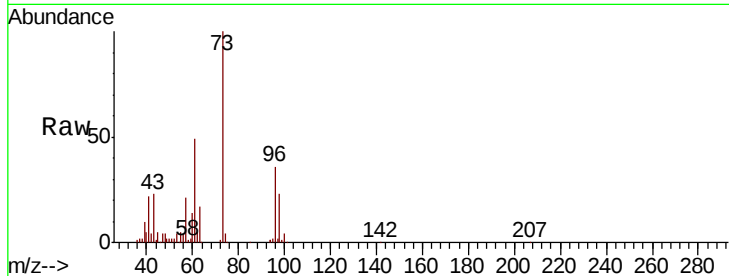
#19
Methvl tert-butvl Ether
Concen: 49.306 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 570493
Ion Ratio Lower Upper
73 100
57 21.1 18.4 27.6

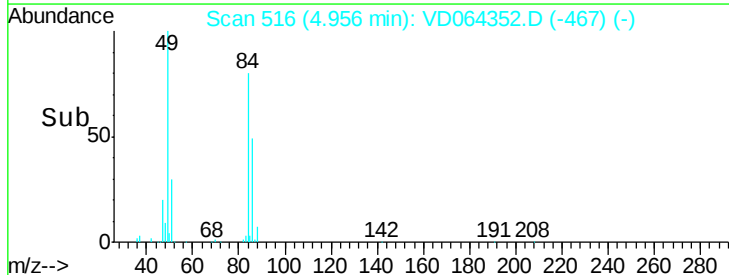
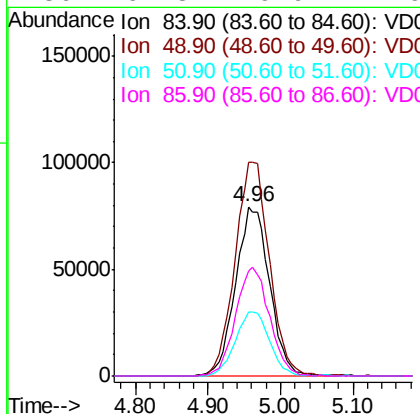
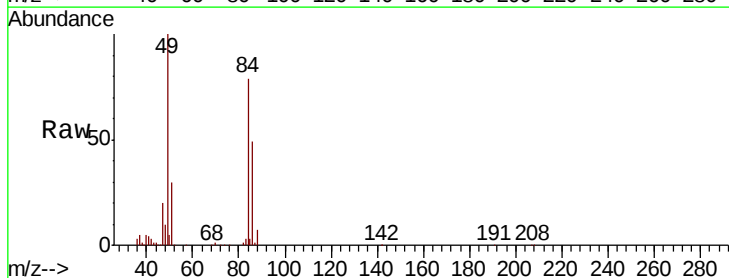
Manual Integrations
APPROVED

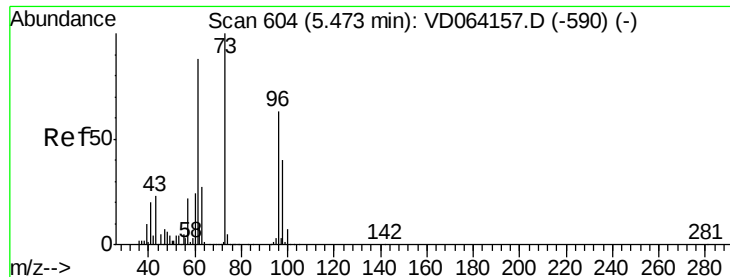
MMDadoda
11/26/2019 9:56:10 AM



#20
Methylene Chloride
Concen: 45.335 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion: 84 Resp: 257358
Ion Ratio Lower Upper
84 100
49 126.1 102.1 153.1
51 37.8 32.2 48.2
86 61.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.504 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

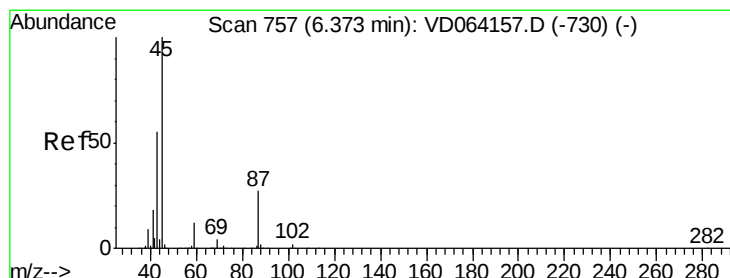
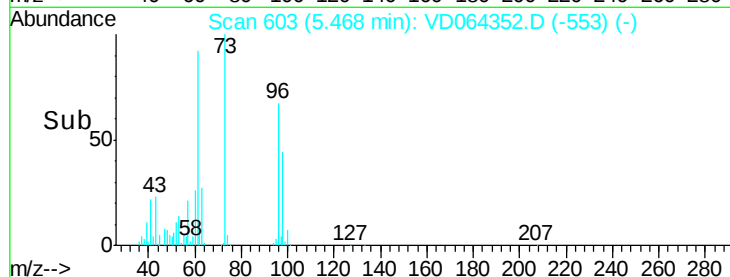
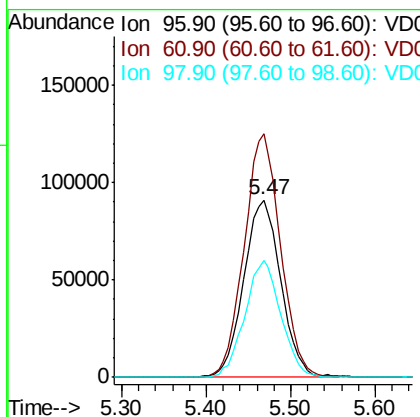
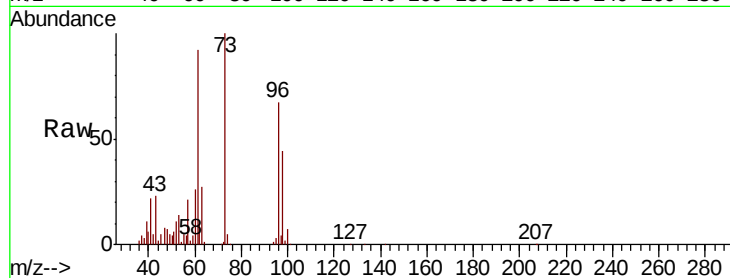
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	277327
Ion	Ratio	Lower	Upper
96	100		
61	137.1	111.8	167.6
98	66.0	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#22

Diisopropyl ether

Concen: 50.267 ug/l

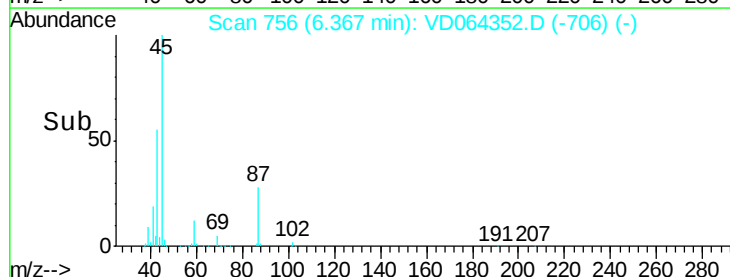
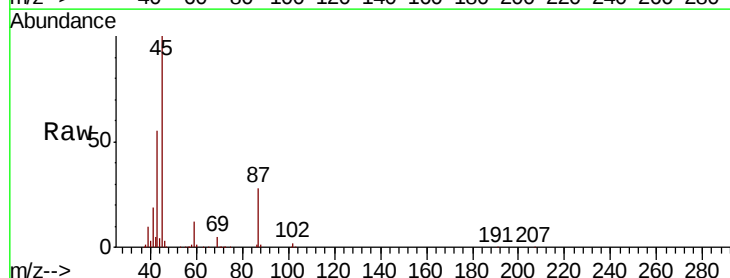
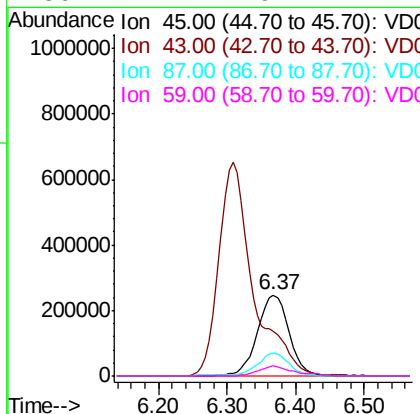
RT: 6.37 min Scan# 756

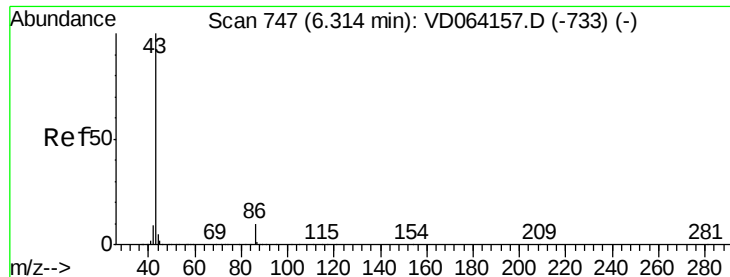
Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	45	Resp:	799247
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.4	66.6
87	28.0	21.9	32.9
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 254.840 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2258678

Ion Ratio Lower Upper

43 100

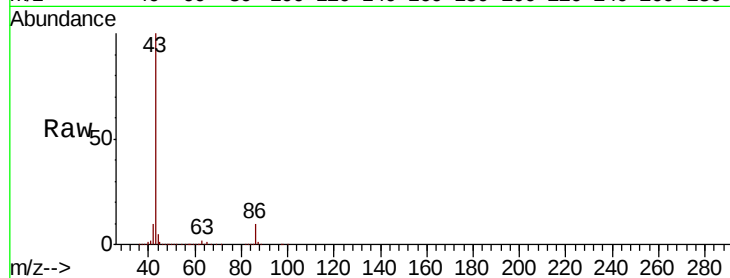
86 10.4 8.2 12.2

Manual Integrations

APPROVED

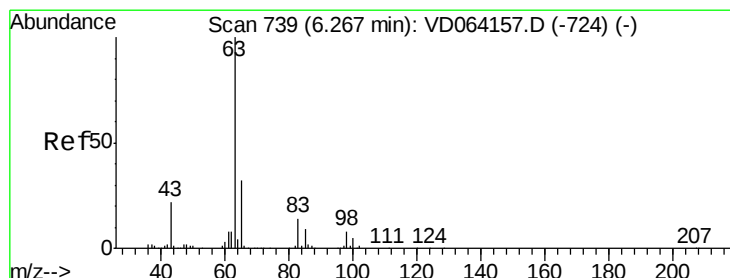
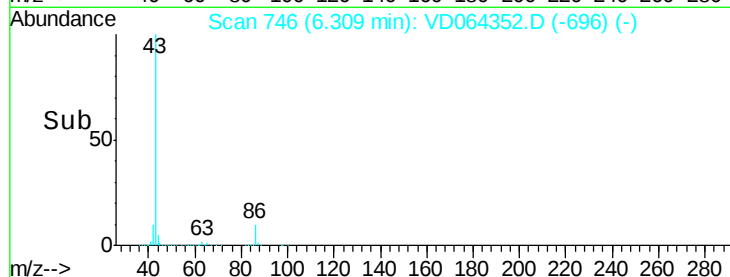
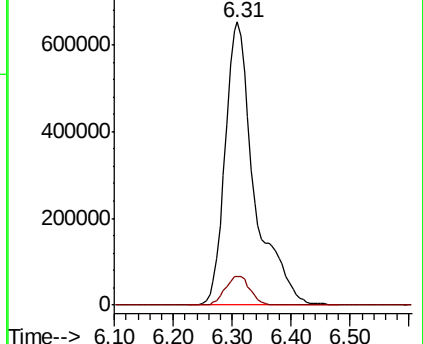
MMDadoda

11/26/2019 9:56:10 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: 51.678 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

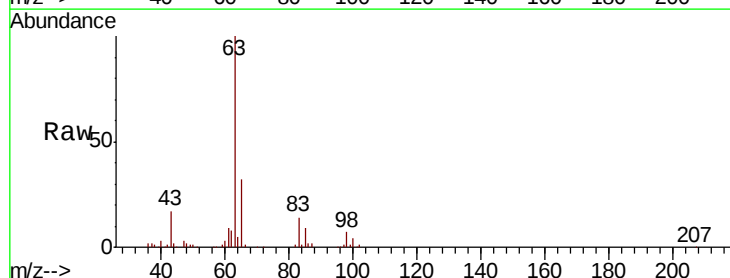
Tgt Ion: 63 Resp: 477091

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

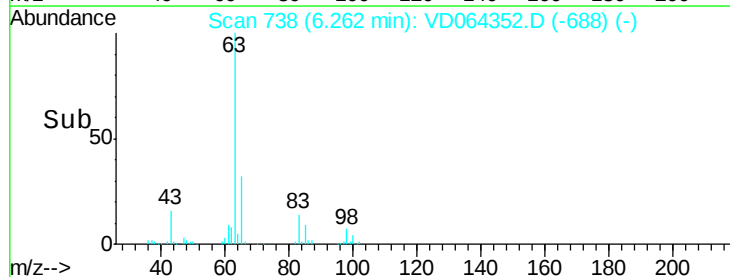
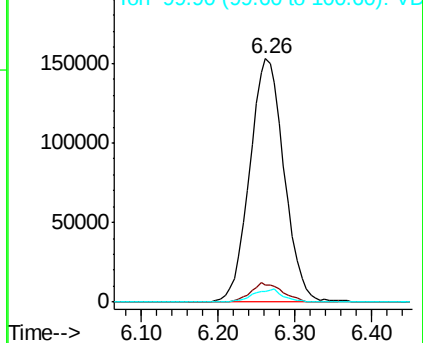
100 4.4 2.4 7.2

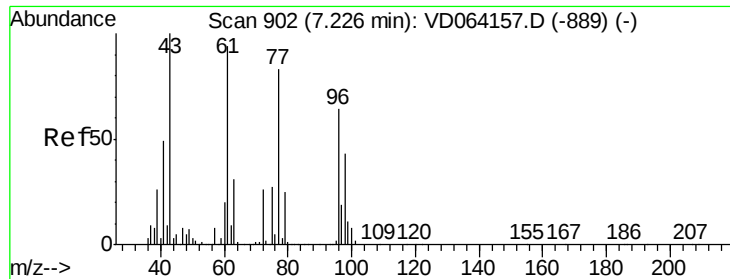


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 253.032 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 367384

Ion Ratio Lower Upper

43 100

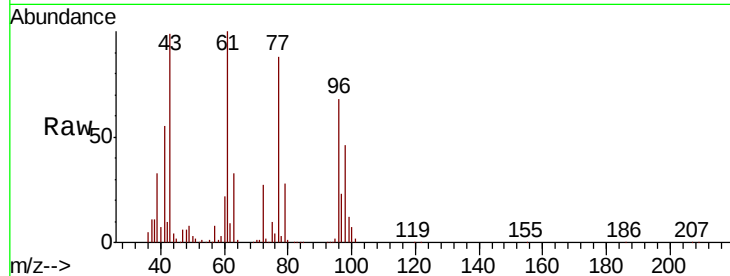
72 27.2 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

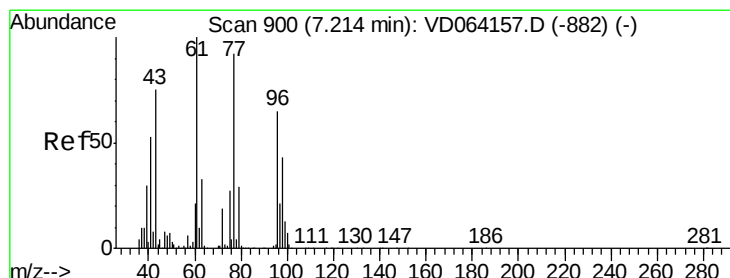
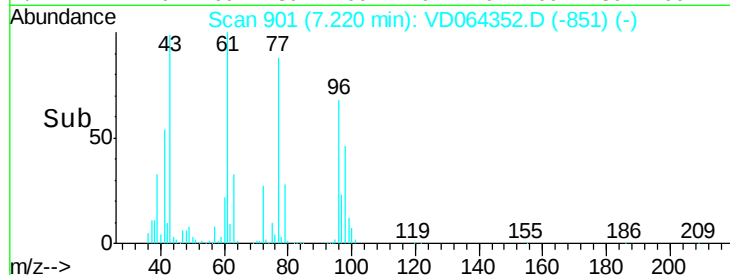
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.806 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064352.D

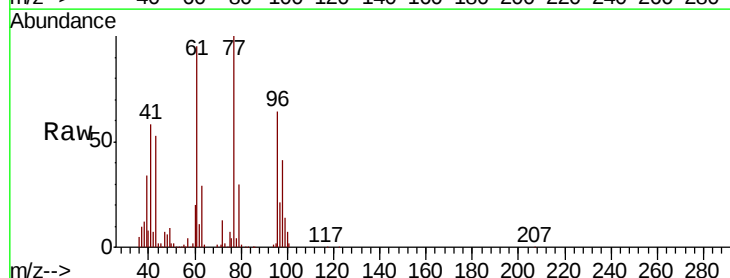
Acq: 25 Nov 2019 10:50

Tgt Ion: 77 Resp: 459983

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

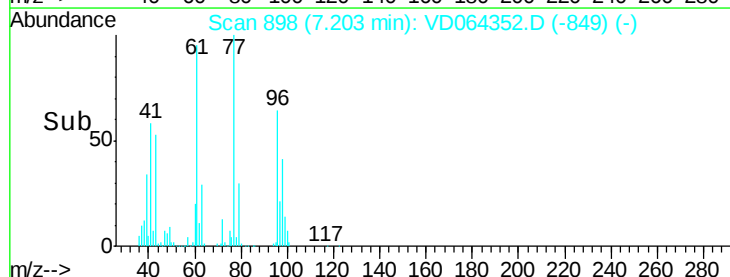
150000

100000

50000

0

Time-->





#27

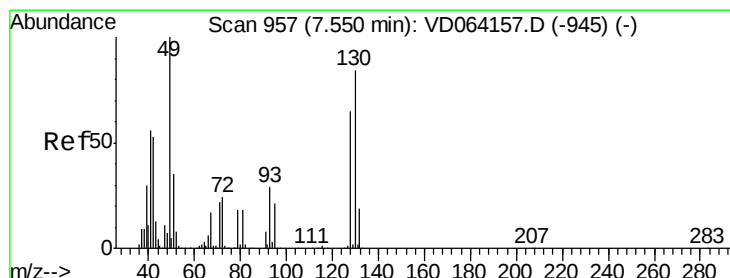
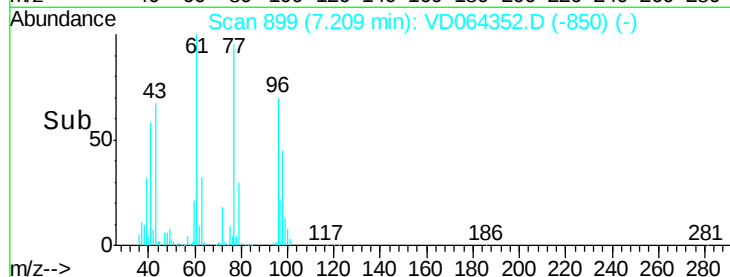
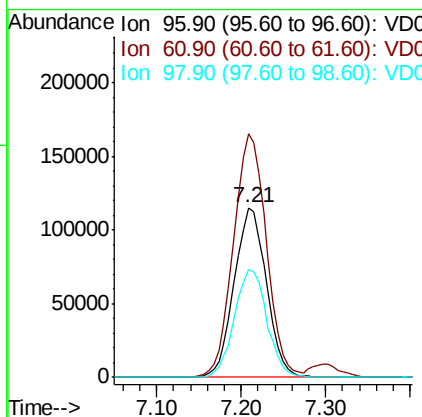
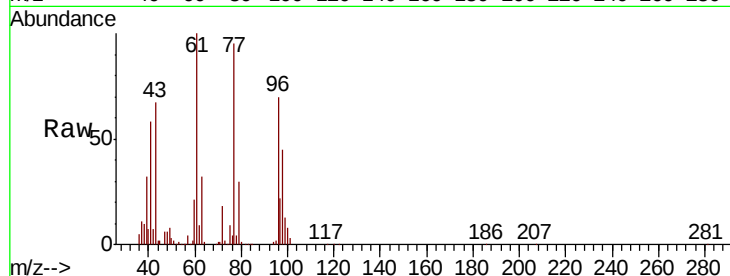
cis-1,2-Dichloroethene
Concen: 51.700 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	304447		
61	146.5	0.0	301.4	
98	64.2	0.0	133.2	

Manual Integrations
APPROVED

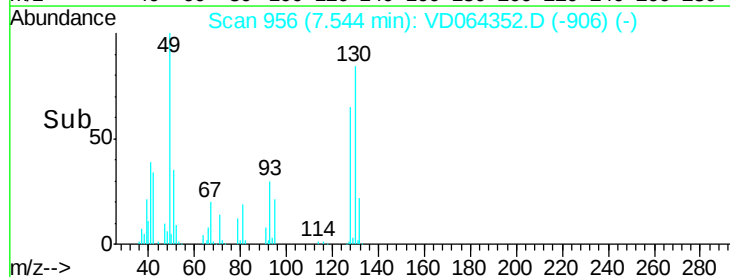
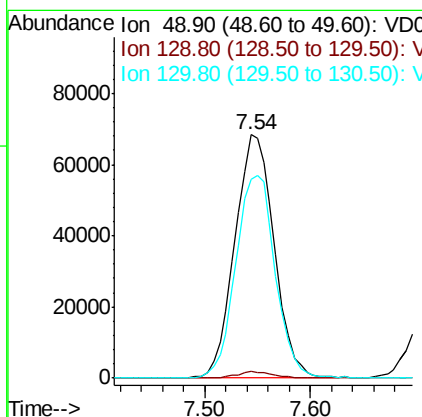
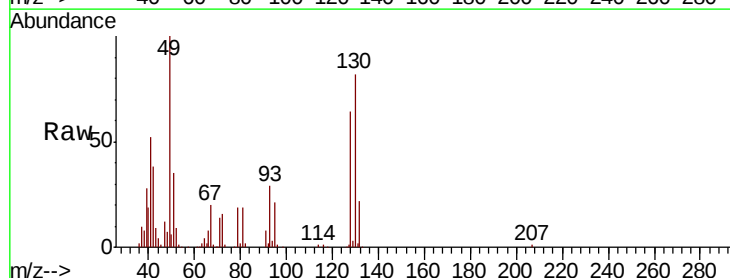
MMDadoda
11/26/2019 9:56:10 AM

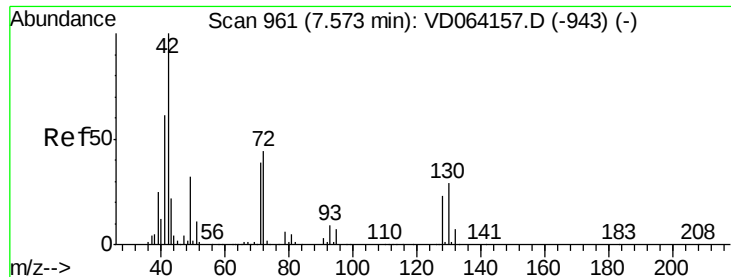


#28

Bromochloromethane
Concen: 54.897 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	176448		
129	2.5	0.0	4.4	
130	83.9	66.8	100.2	





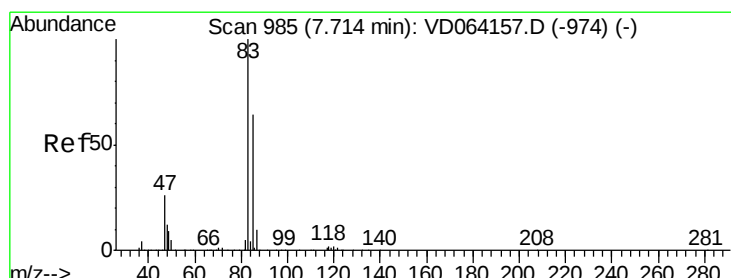
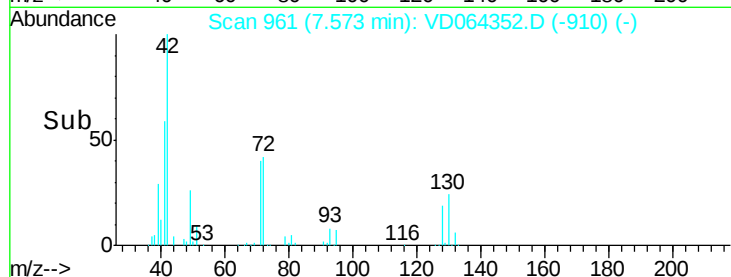
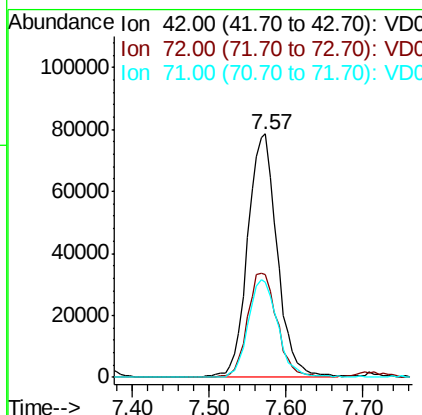
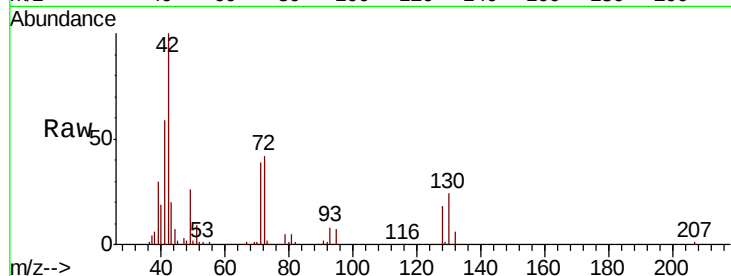
#29
Tetrahydrofuran
Concen: 242.330 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.4	50.2
71	40.1	31.0	46.4

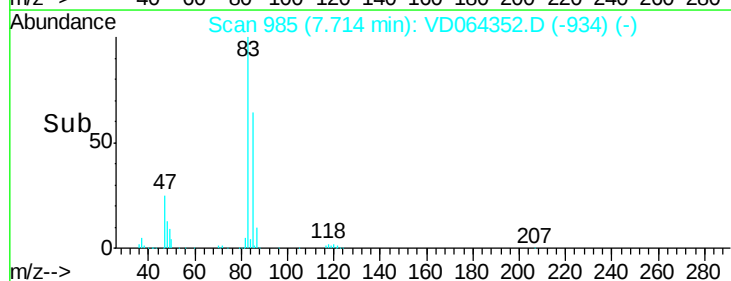
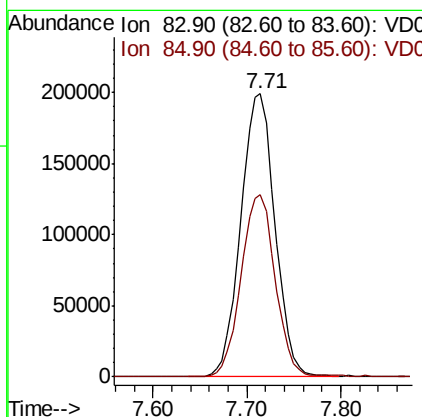
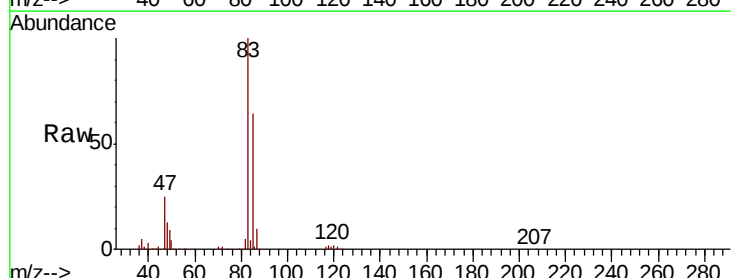
Manual Integrations
APPROVED

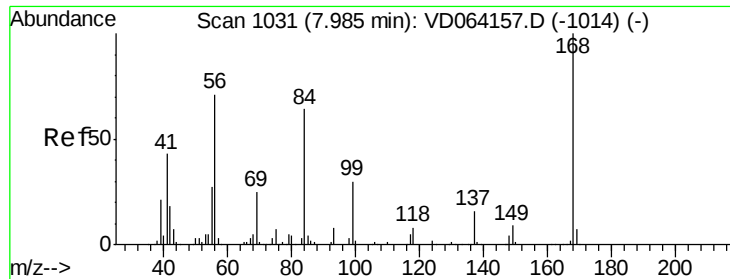
MMDadoda
11/26/2019 9:56:10 AM



#30
Chloroform
Concen: 53.001 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0





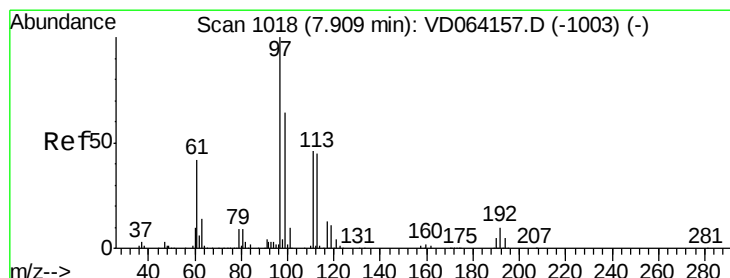
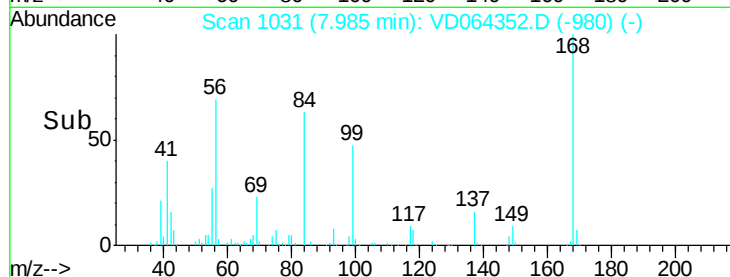
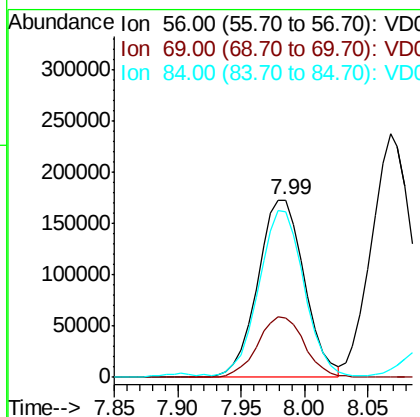
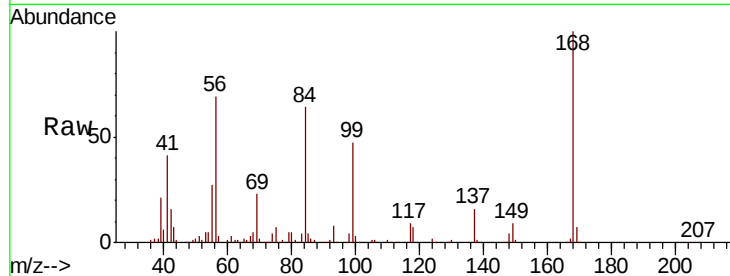
#31
Cyclohexane
Concen: 47.727 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	28.2	42.4
84	91.3	71.8	107.6

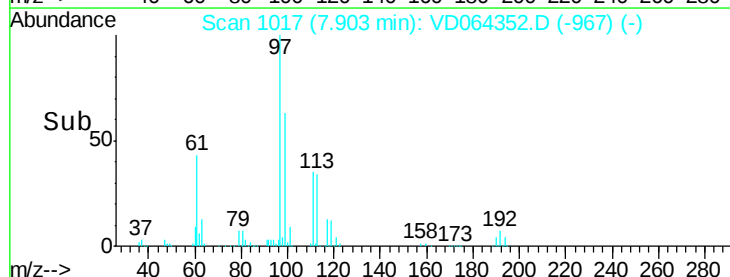
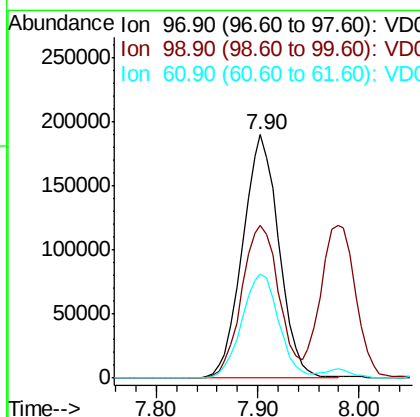
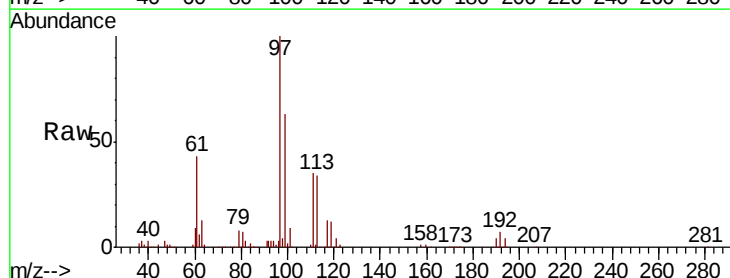
Manual Integrations
APPROVED

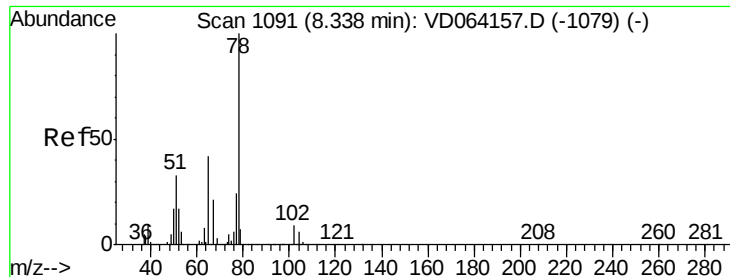
MMDadoda
11/26/2019 9:56:10 AM



#32
1,1,1-Trichloroethane
Concen: 52.354 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	43.7	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 47.597 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 225796

Ion Ratio Lower Upper

65 100

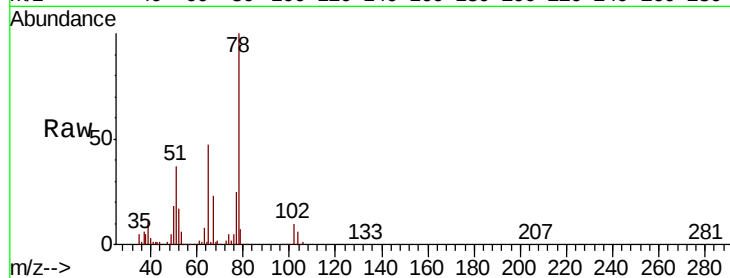
67 50.7 0.0 104.4

Manual Integrations

APPROVED

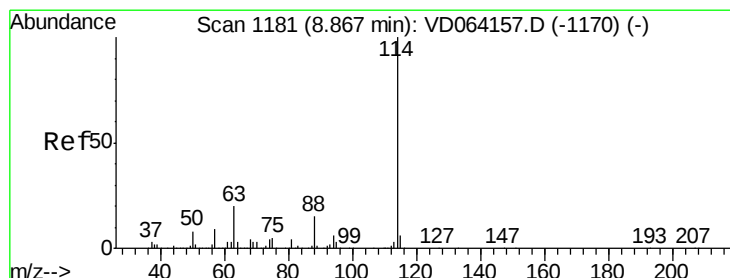
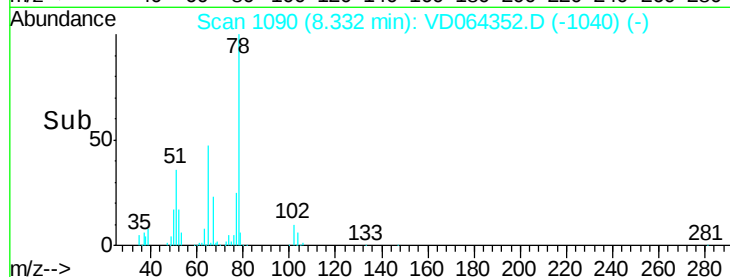
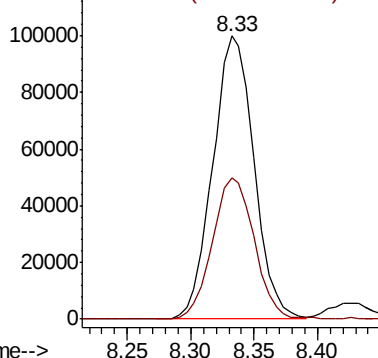
MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

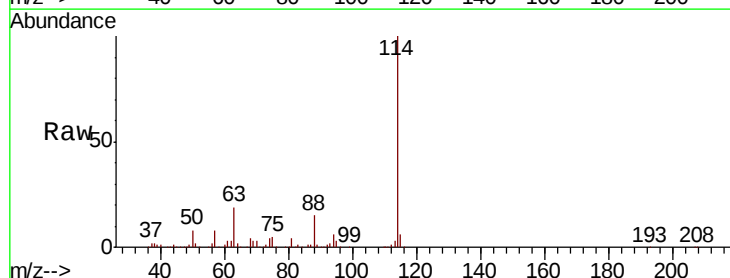
Tgt Ion: 114 Resp: 801577

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

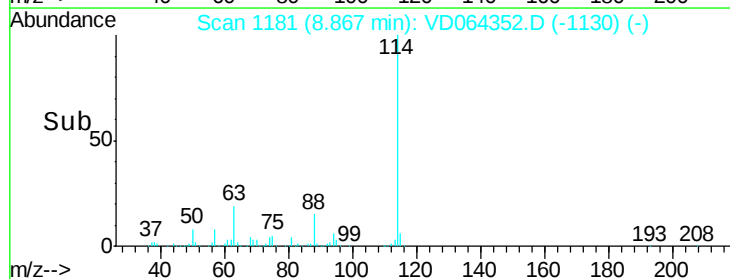
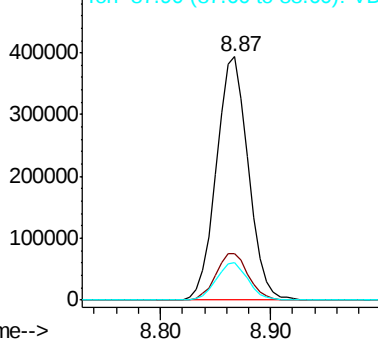
88 15.5 0.0 30.2

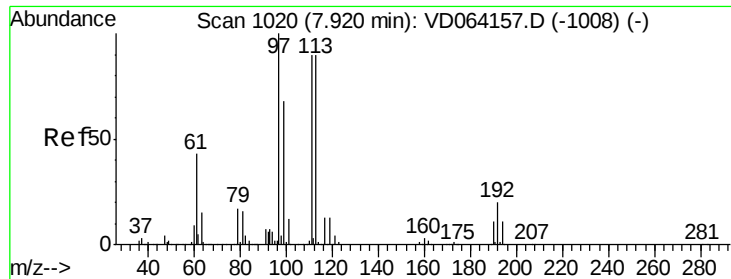


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.589 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

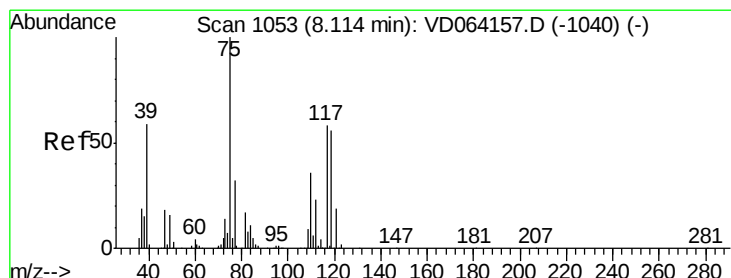
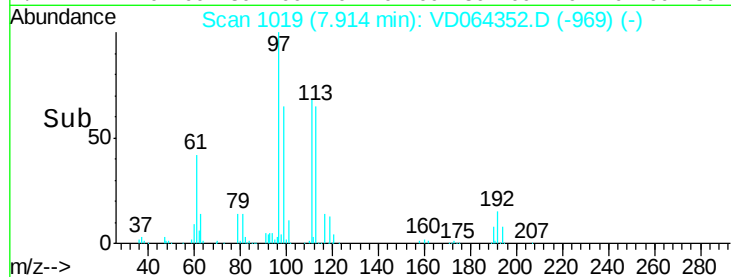
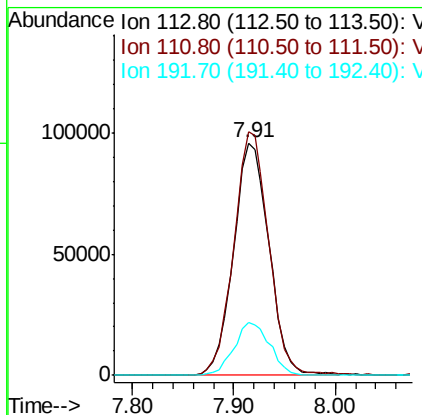
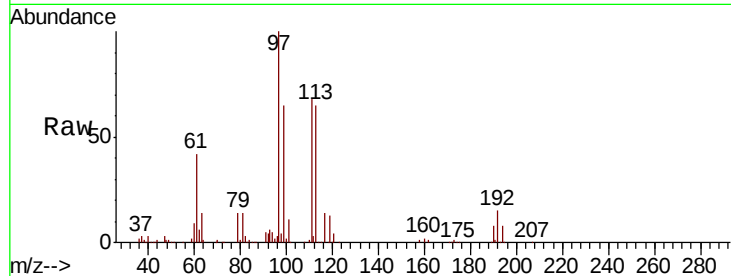
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	232769
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.5	122.3
192	22.8	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#36

1,1-Dichloropropene

Concen: 52.934 ug/l

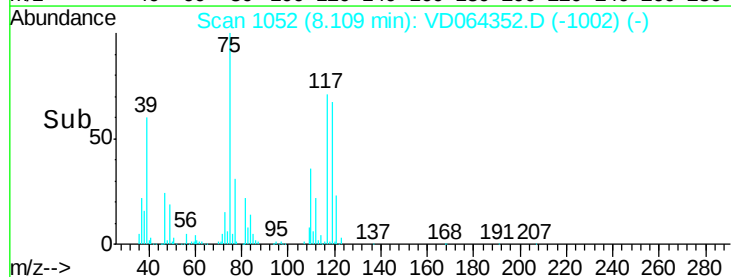
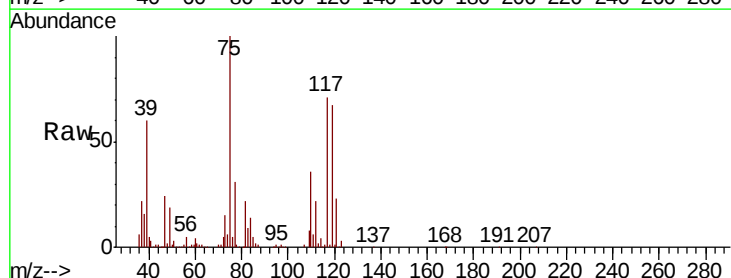
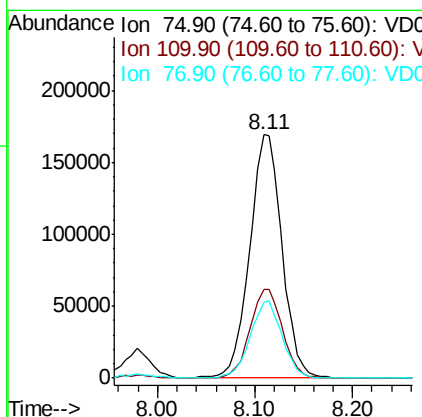
RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	75	Resp:	391600
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.3	54.9
77	31.7	25.0	37.6





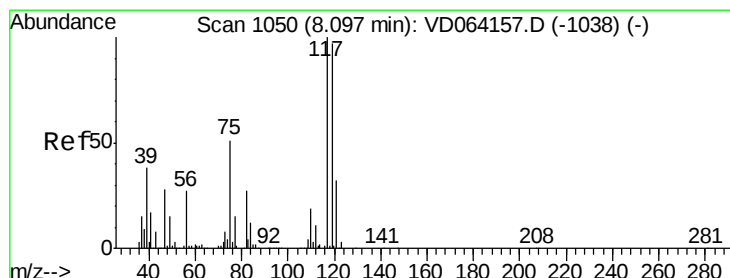
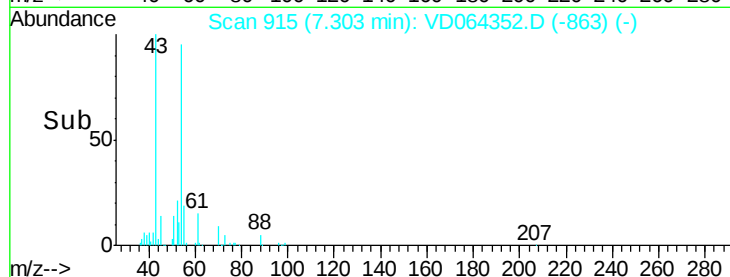
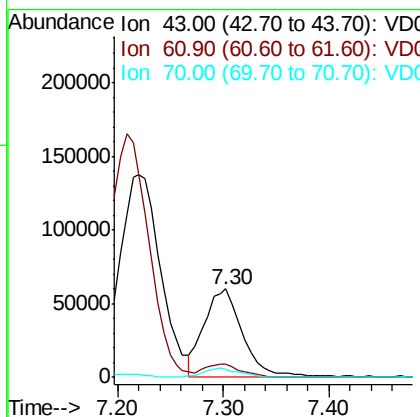
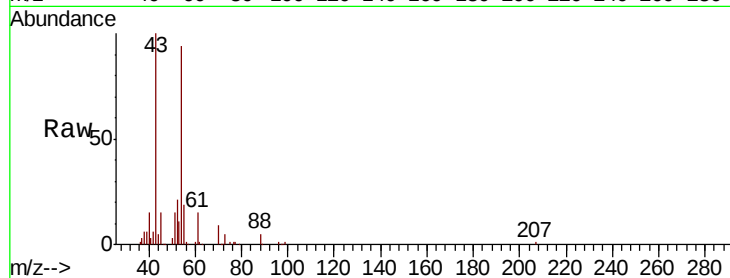
#37
Ethyl Acetate
Concen: 47.822 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.7	8.5	12.7

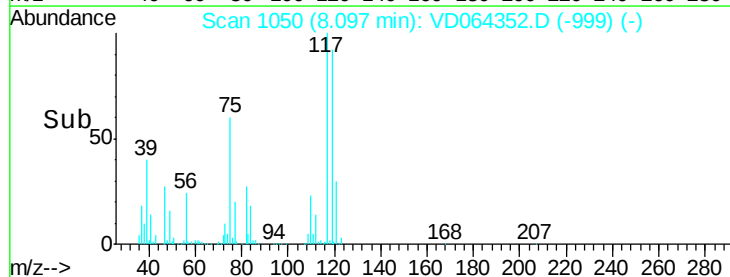
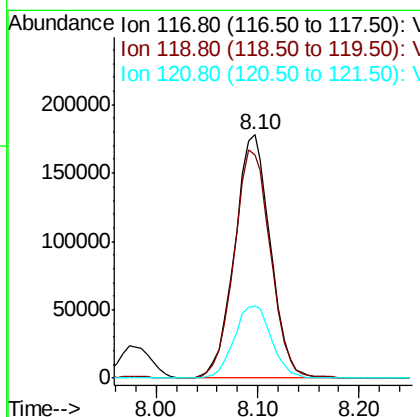
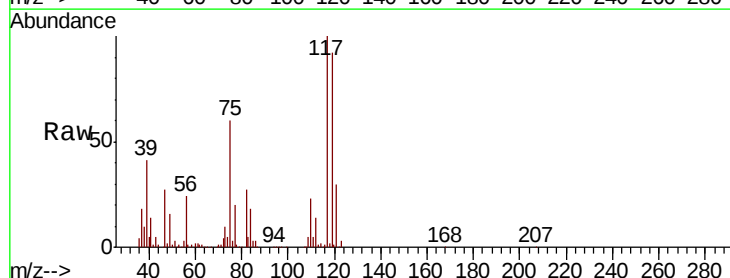
Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#38
Carbon Tetrachloride
Concen: 55.084 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	77.2	115.8
121	29.7	25.5	38.3





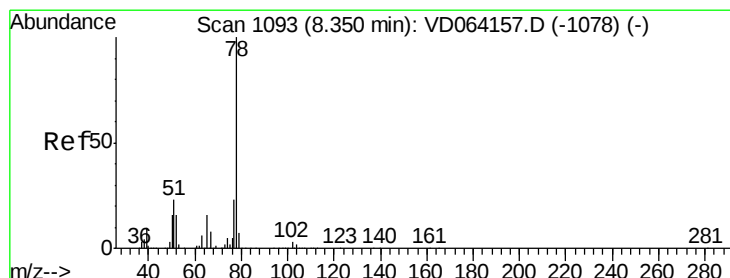
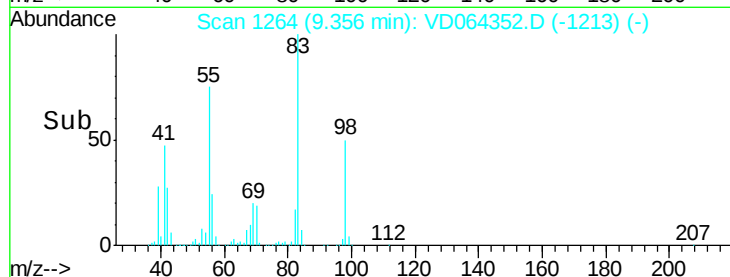
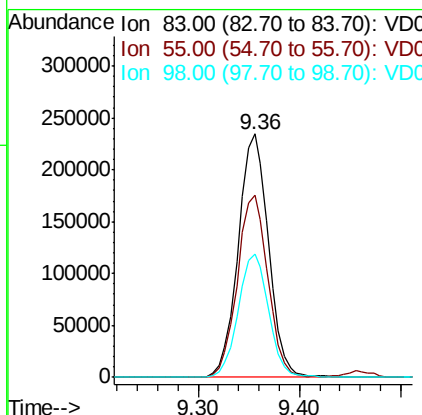
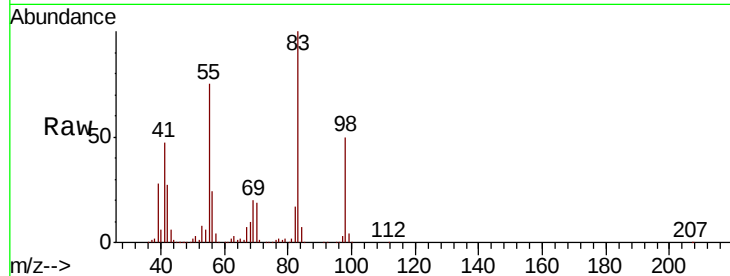
#39
Methvlcvclohexane
Concen: 51.837 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.7	92.5
98	50.4	38.6	58.0

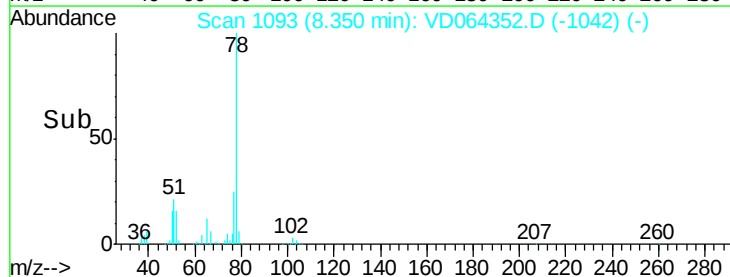
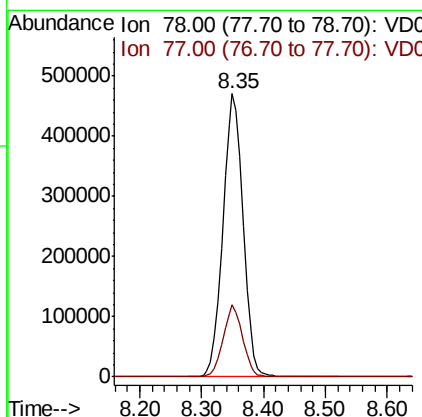
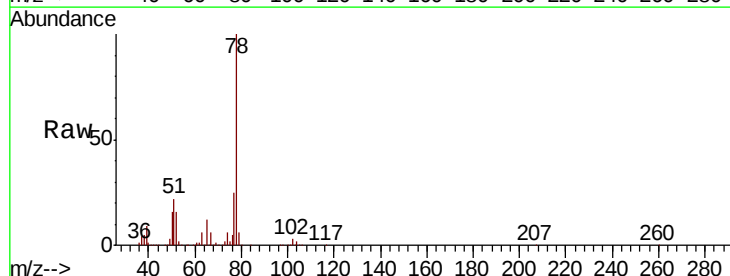
Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#40
Benzene
Concen: 52.836 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.6	28.0





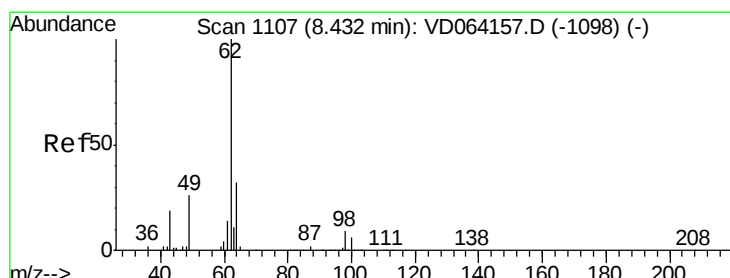
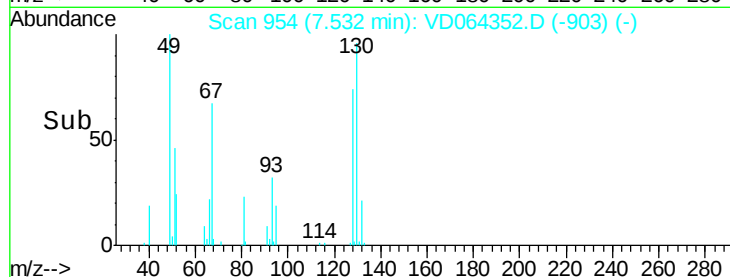
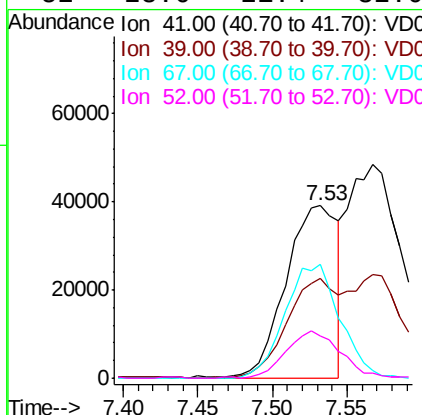
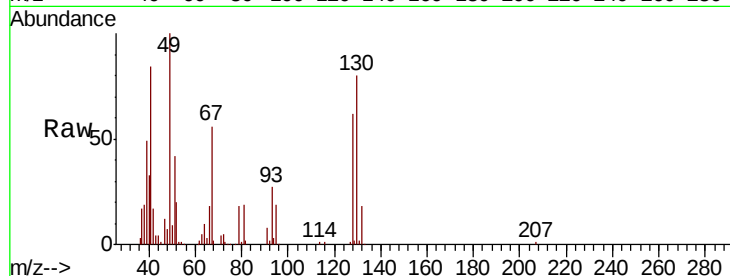
#41
Methacrylonitrile
Concen: 48.519 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	49.4	74.2
67	69.4	49.6	74.4
52	28.6	21.4	32.0

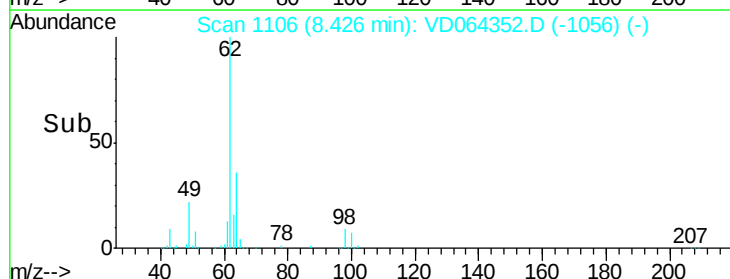
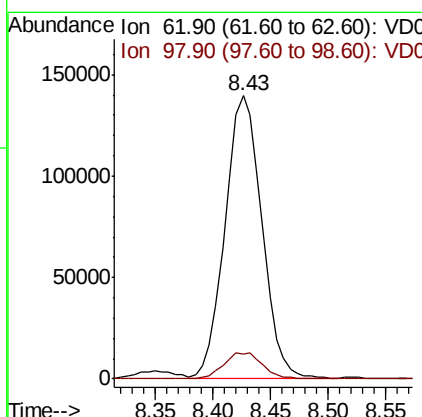
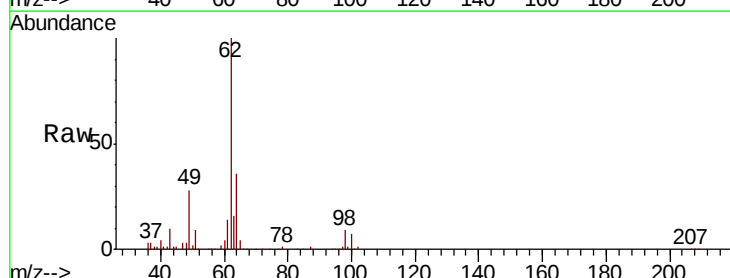
Manual Integrations
APPROVED

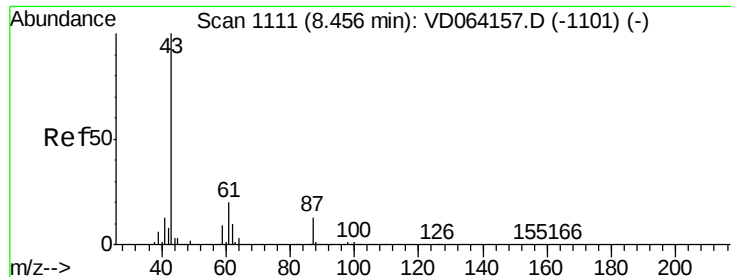
MMDadoda
11/26/2019 9:56:10 AM



#42
1,2-Dichloroethane
Concen: 50.734 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 48.730 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

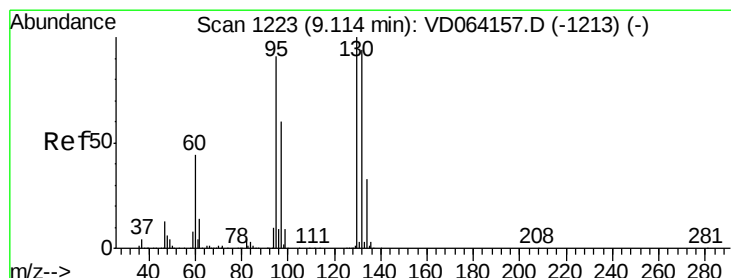
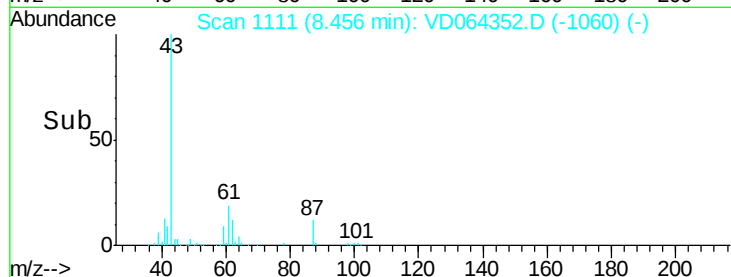
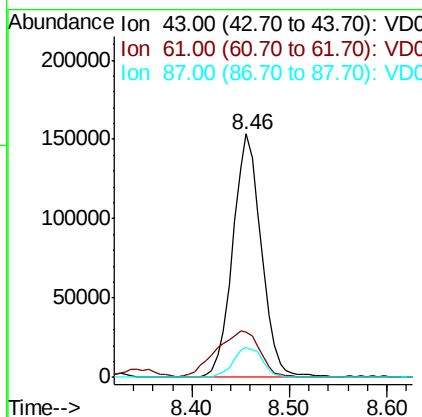
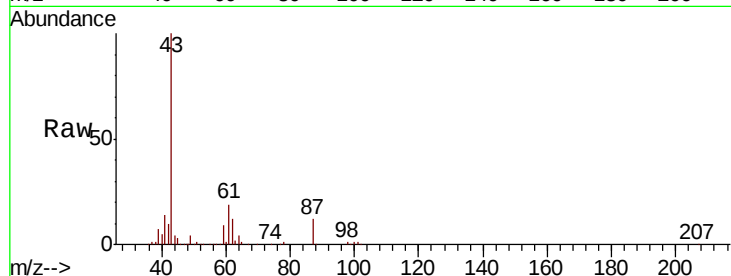
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	313135
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	12.6	10.2	15.2

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#44

Trichloroethene

Concen: 52.802 ug/l

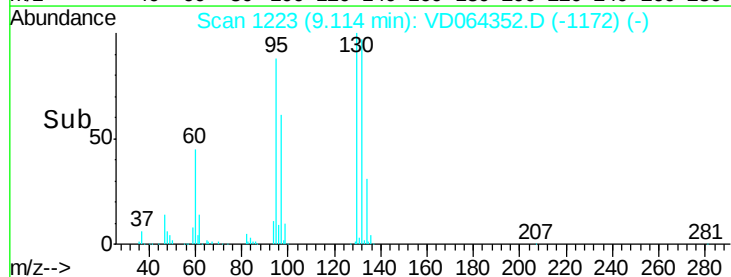
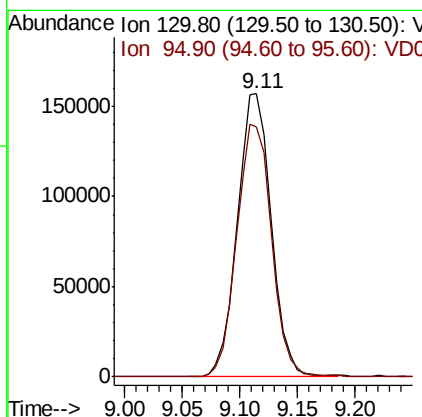
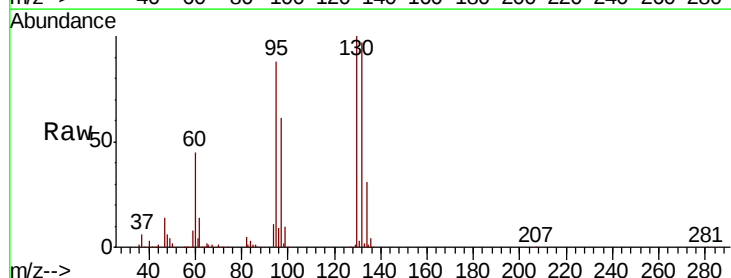
RT: 9.11 min Scan# 1223

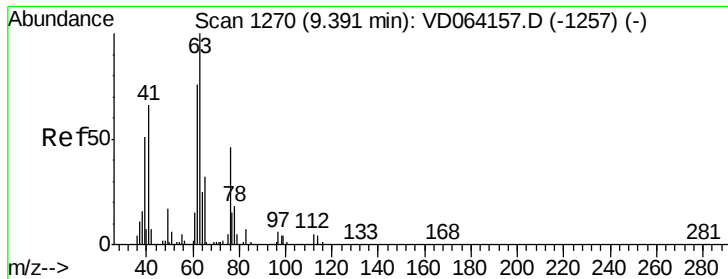
Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	130	Resp:	320416
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	181.6





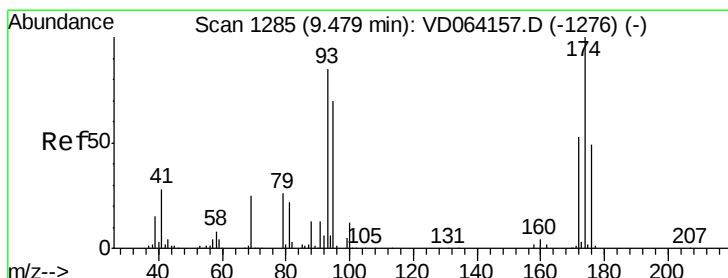
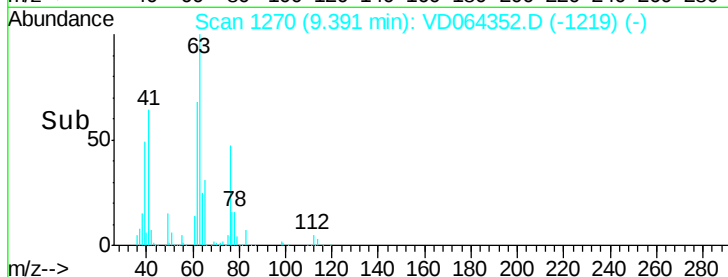
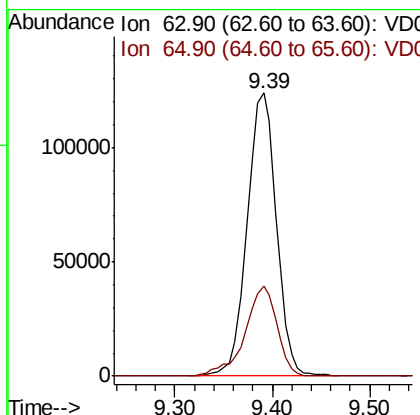
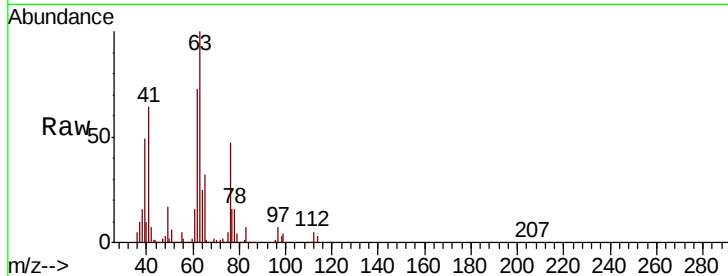
#45
 1,2-Dichloropropane
 Concen: 52.663 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.7	38.5

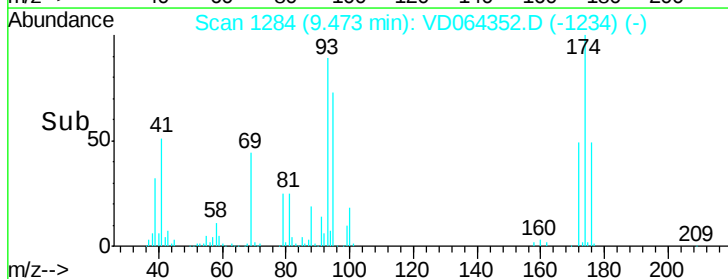
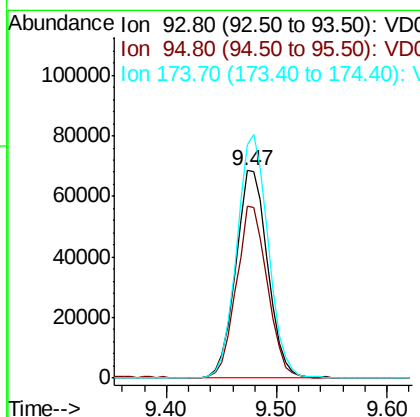
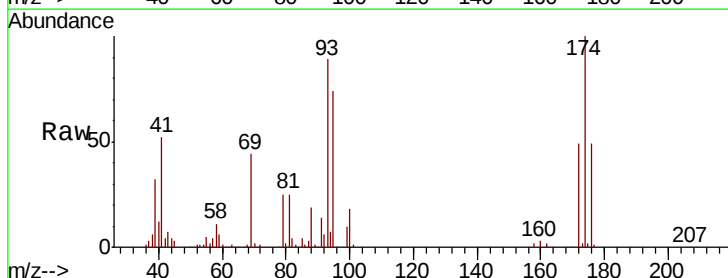
Manual Integrations
 APPROVED

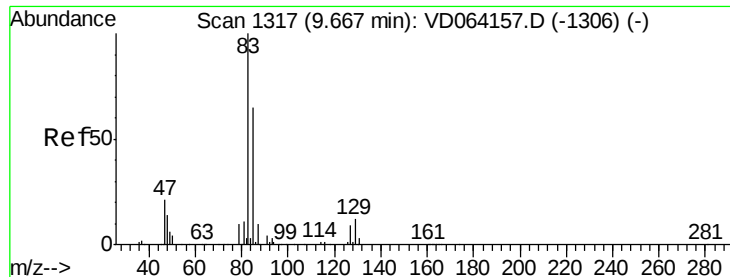
MMDadoda
 11/26/2019 9:56:10 AM



#46
 Dibromomethane
 Concen: 53.010 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.5	98.3
174	115.3	93.9	140.9





#47

Bromodichloromethane

Concen: 53.614 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

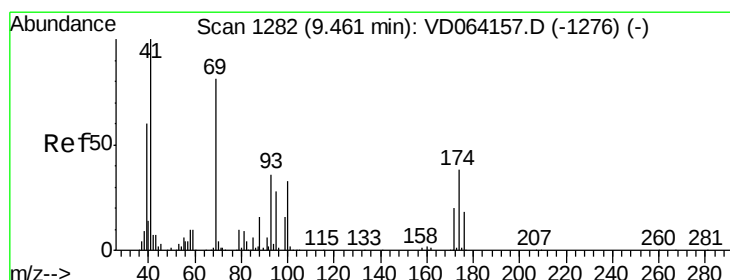
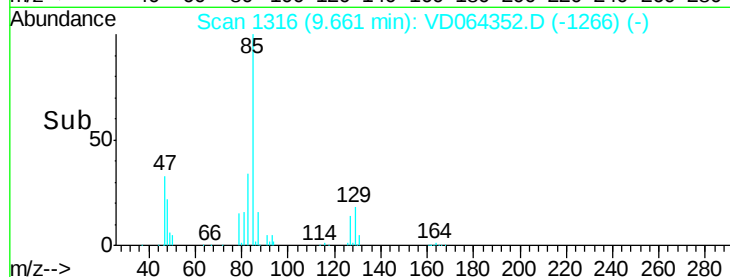
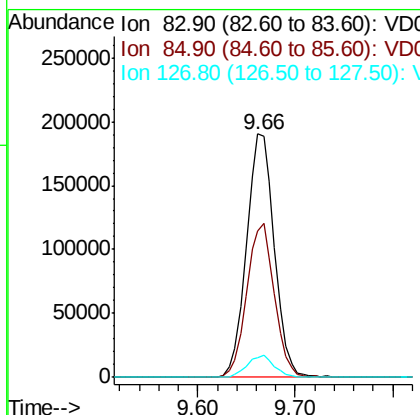
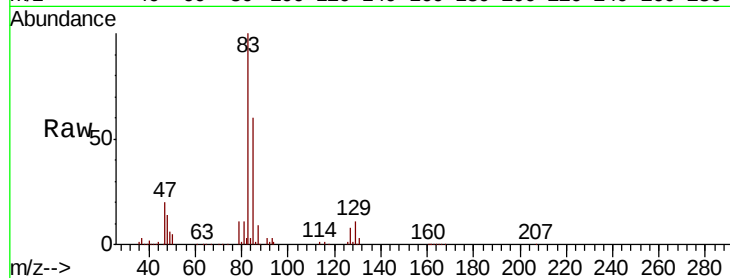
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	380474
Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.2	78.4
127	8.1	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#48

Methyl methacrylate

Concen: 45.222 ug/l

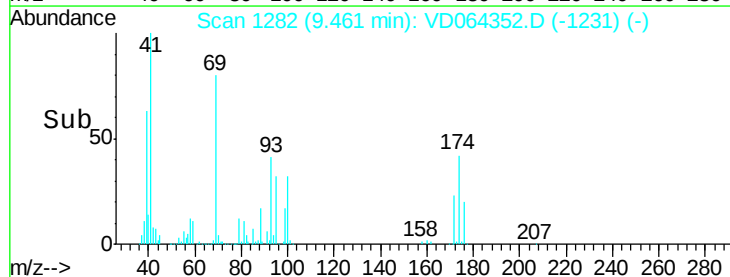
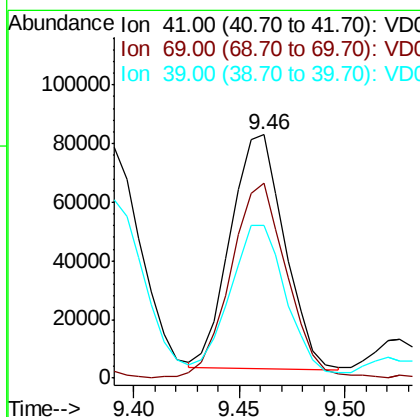
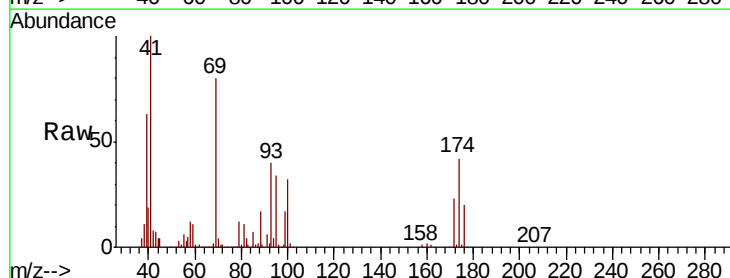
RT: 9.46 min Scan# 1282

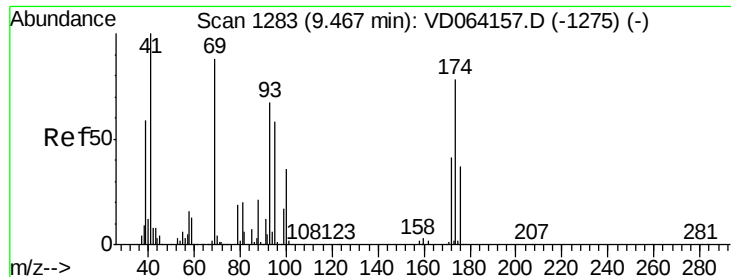
Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	41	Resp:	142095
Ion	Ratio	Lower	Upper
41	100		
69	85.7	64.6	97.0
39	63.6	48.2	72.2





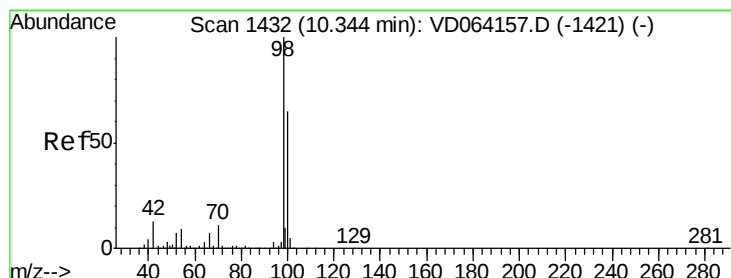
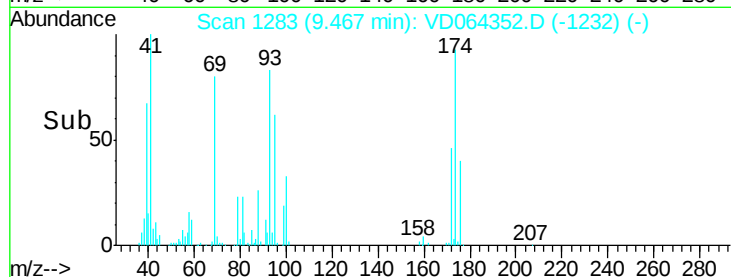
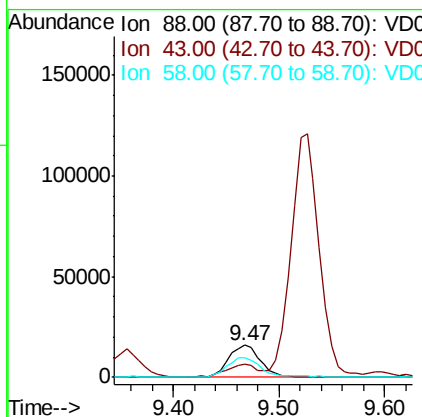
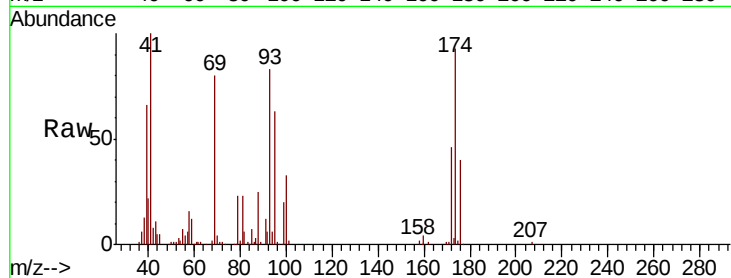
#49
1,4-Dioxane
Concen: 1056.351 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	33424
Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.8	44.8
58	64.4	58.1	87.1

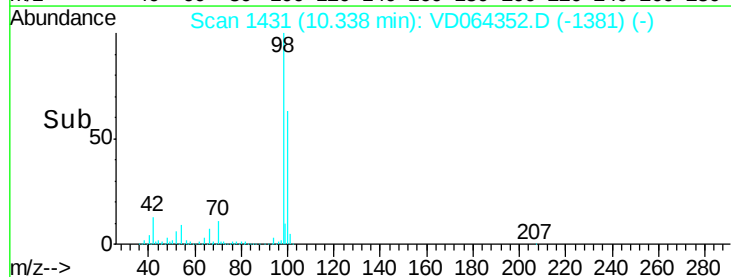
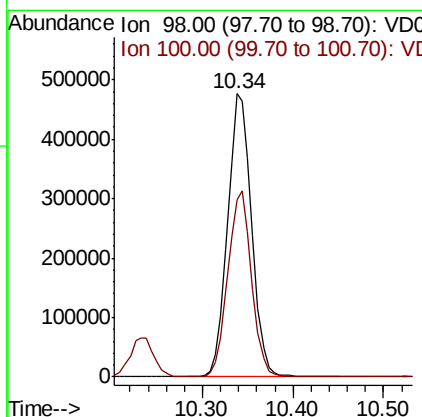
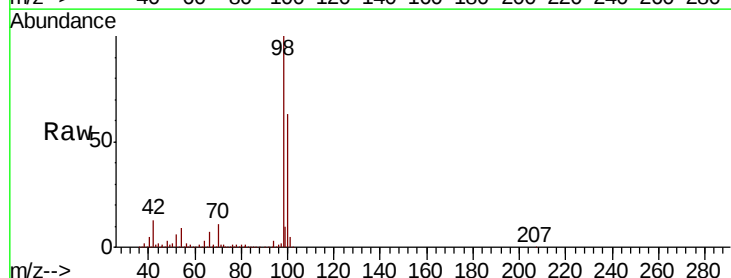
Manual Integrations
APPROVED

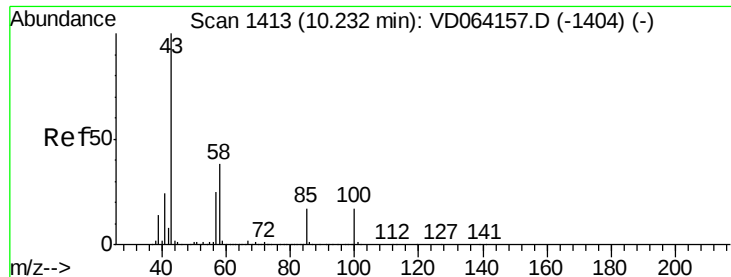
MMDadoda
11/26/2019 9:56:10 AM



#50
Toluene-d8
Concen: 50.394 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	98	Resp	874727
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 249.359 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 768403

Ion Ratio Lower Upper

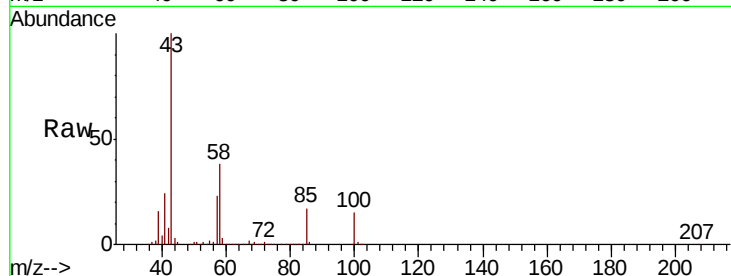
43 100

58 38.1 30.2 45.4

Manual Integrations
APPROVED

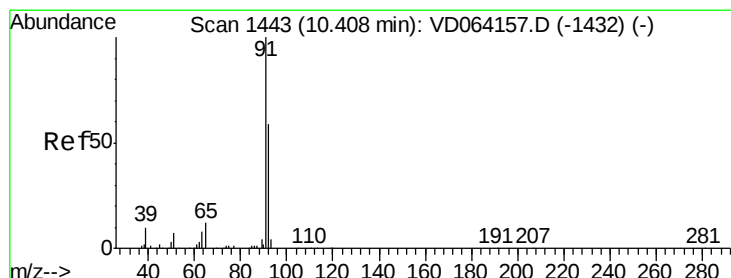
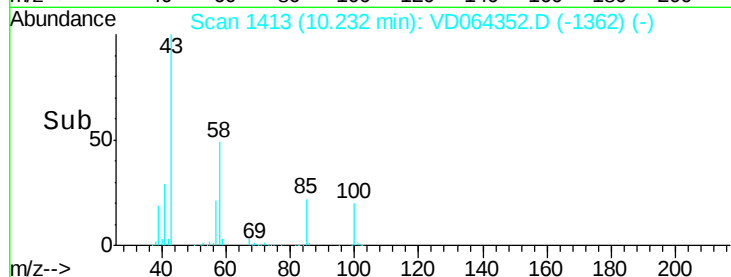
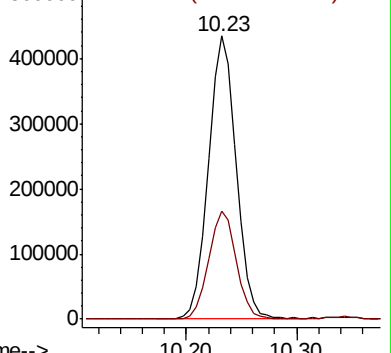
MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.748 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064352.D

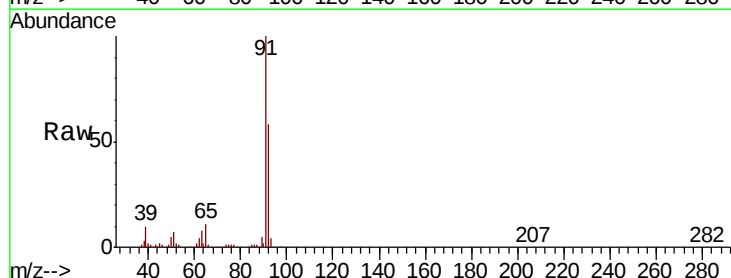
Acq: 25 Nov 2019 10:50

Tgt Ion: 92 Resp: 701274

Ion Ratio Lower Upper

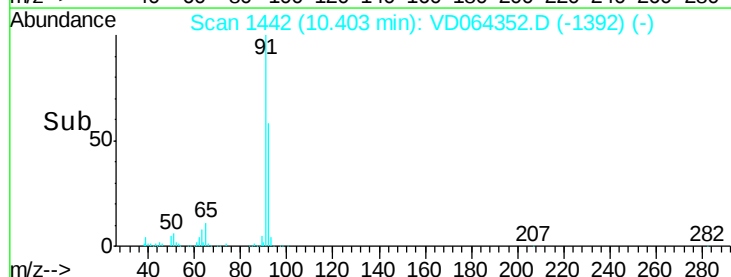
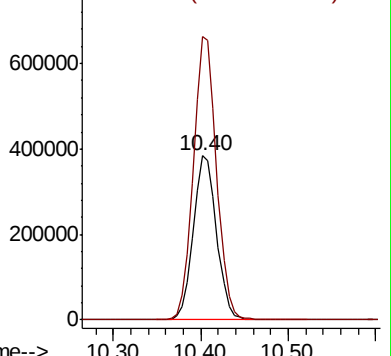
92 100

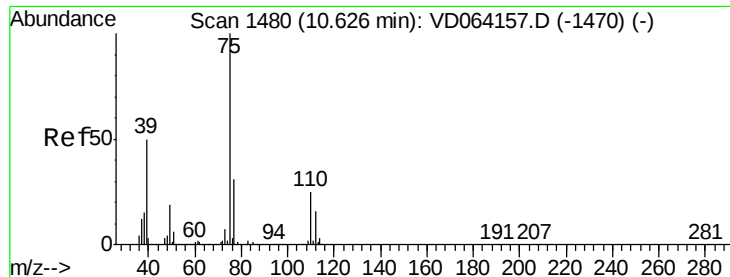
91 171.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





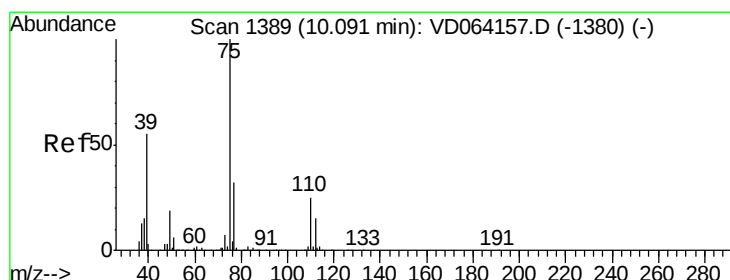
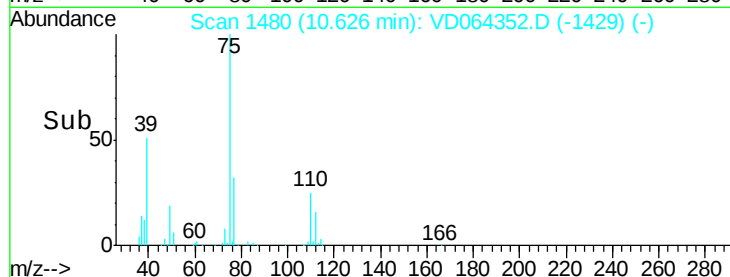
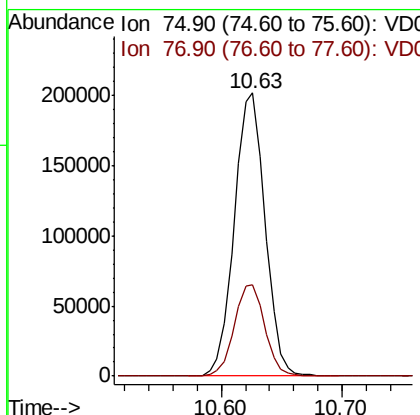
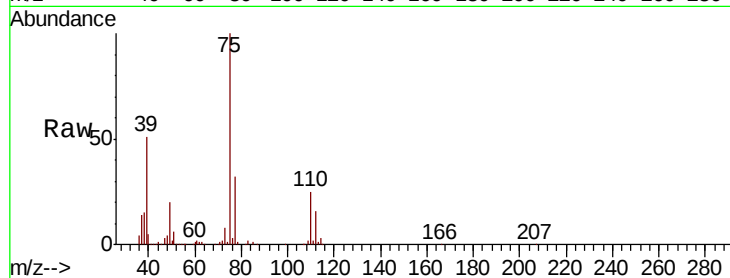
#53
t-1,3-Dichloropropene
Concen: 50.514 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 359134
Ion Ratio Lower Upper
75 100
77 32.2 24.7 37.1

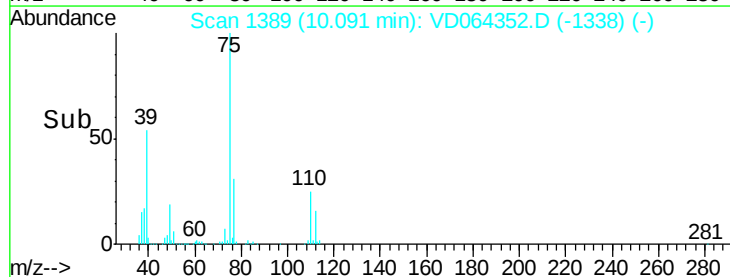
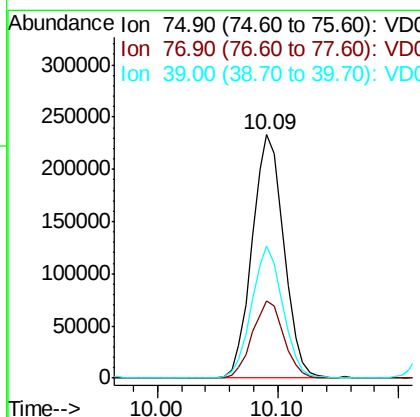
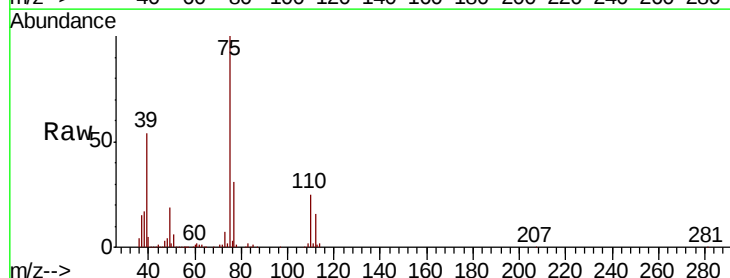
Manual Integrations
APPROVED

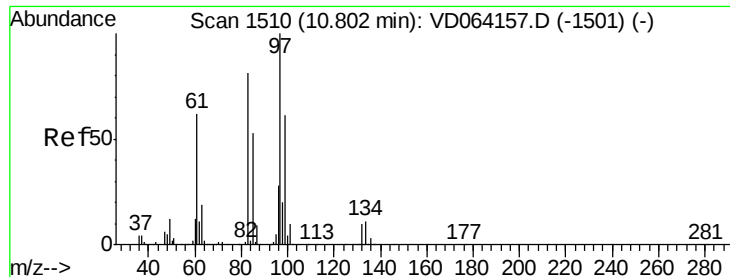
MMDadoda
11/26/2019 9:56:10 AM



#54
cis-1,3-Dichloropropene
Concen: 51.328 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion: 75 Resp: 425827
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 54.0 44.2 66.2





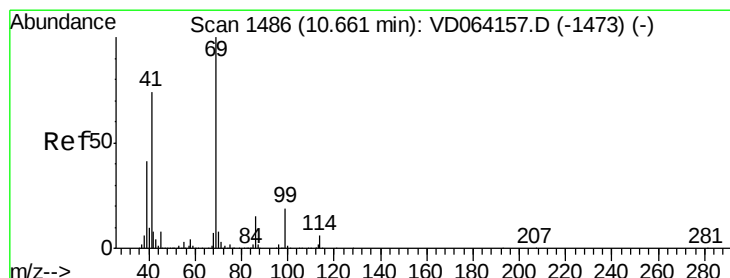
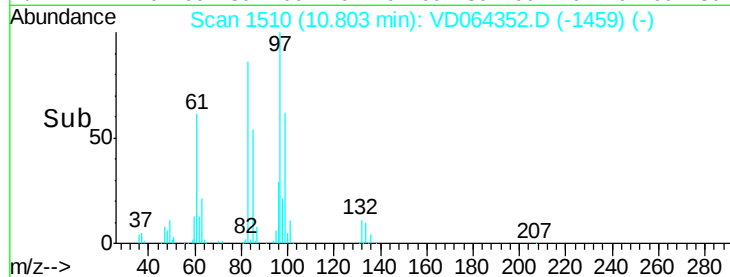
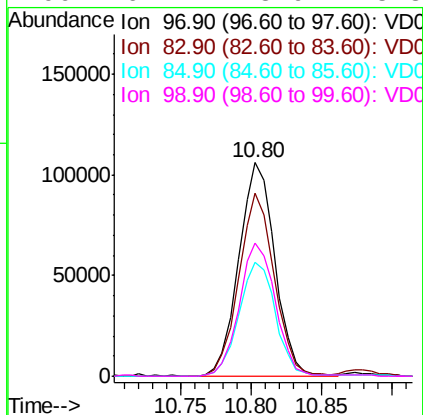
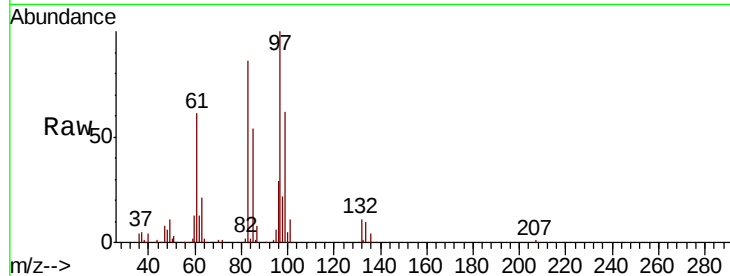
#55
 1,1,2-Trichloroethane
 Concen: 53.019 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	189490
Ion	Ratio	Lower	Upper
97	100		
83	85.8	65.1	97.7
85	53.4	42.0	63.0
99	62.4	48.9	73.3

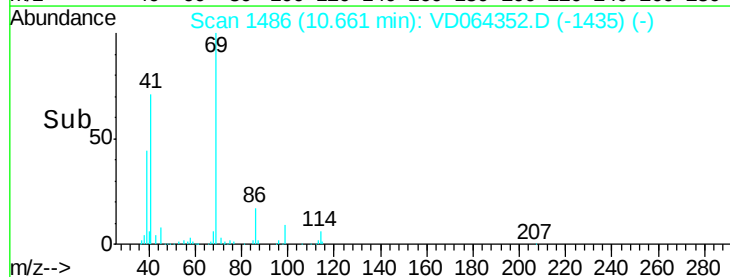
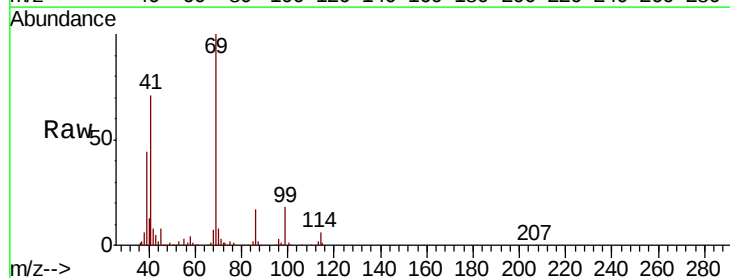
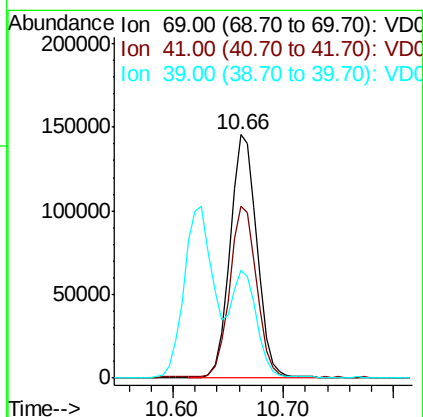
Manual Integrations
 APPROVED

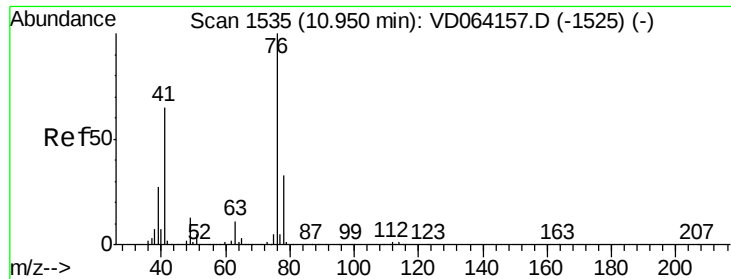
MMDadoda
 11/26/2019 9:56:10 AM



#56
 Ethyl methacrylate
 Concen: 49.992 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion:	69	Resp:	249937
Ion	Ratio	Lower	Upper
69	100		
41	69.9	57.9	86.9
39	42.7	29.0	43.4





#57

1,3-Dichloropropane

Concen: 51.838 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 323105

Ion Ratio Lower Upper

76 100

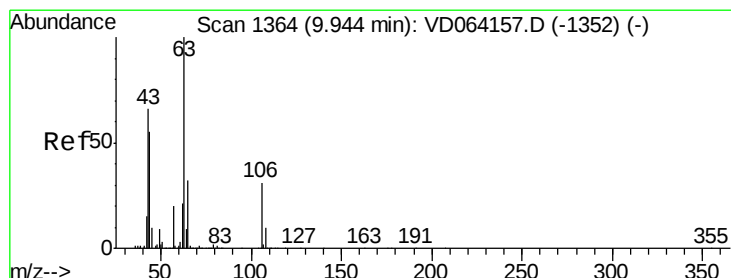
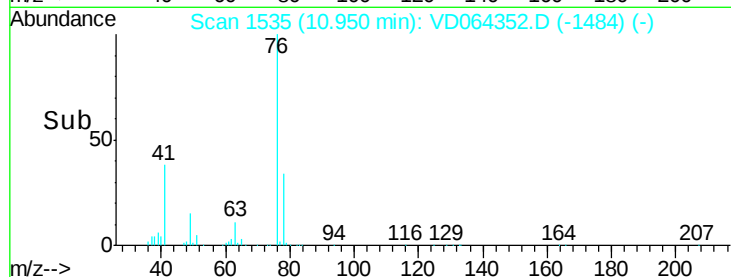
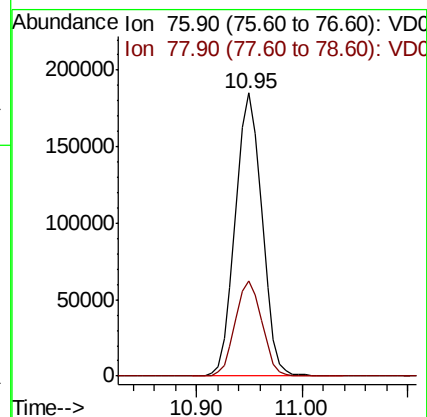
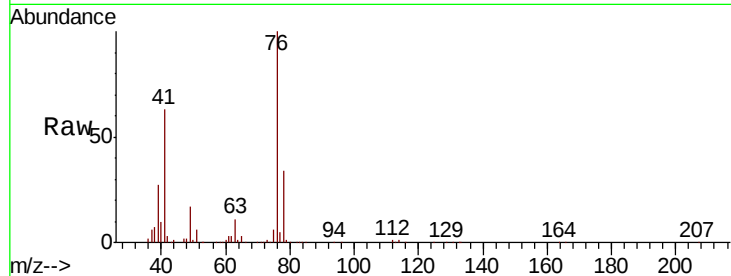
78 33.8 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/26/2019 9:56:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 235.873 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064352.D

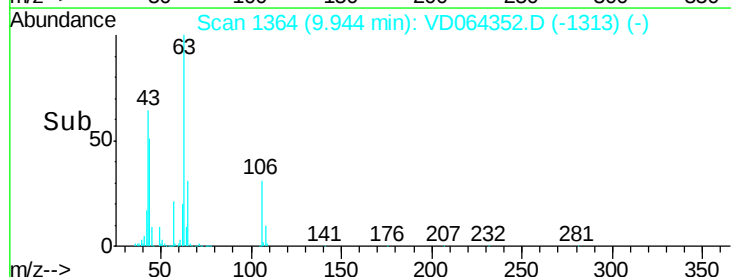
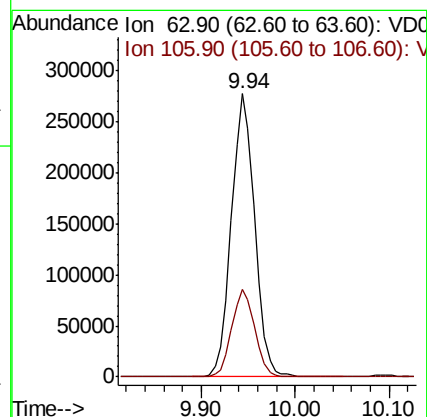
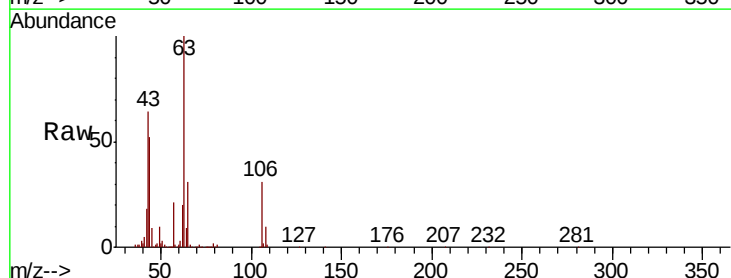
Acq: 25 Nov 2019 10:50

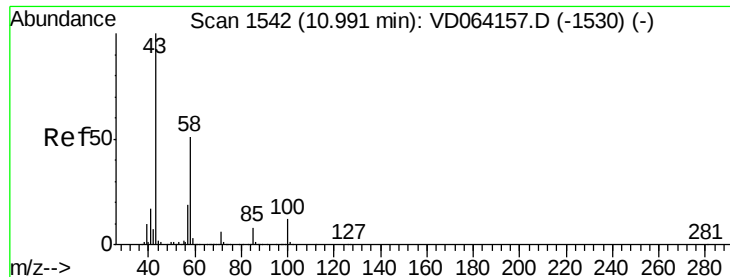
Tgt Ion: 63 Resp: 477685

Ion Ratio Lower Upper

63 100

106 30.6 24.1 36.1





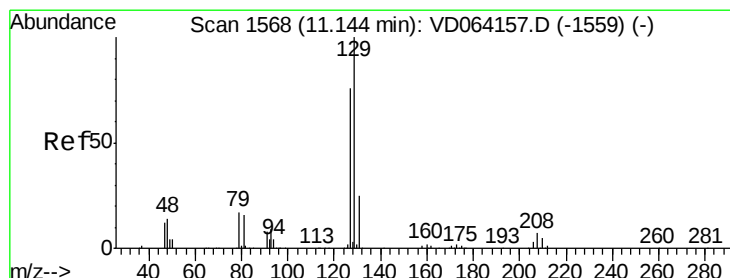
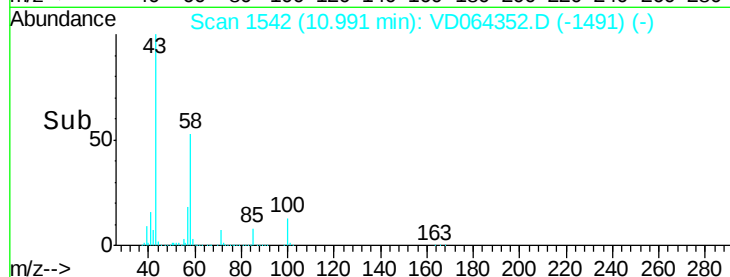
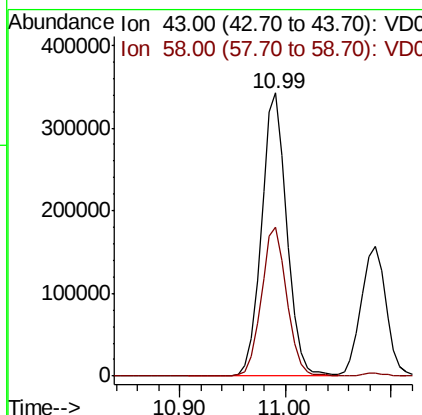
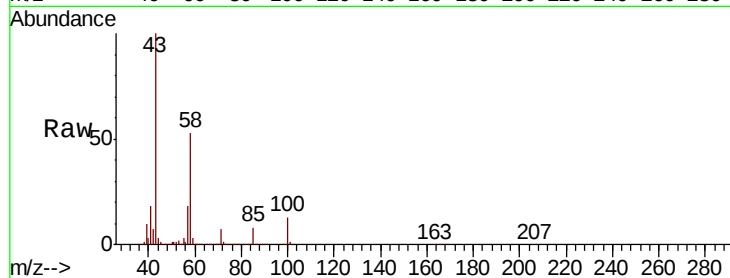
#59
2-Hexanone
Concen: 260.287 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 570634
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7

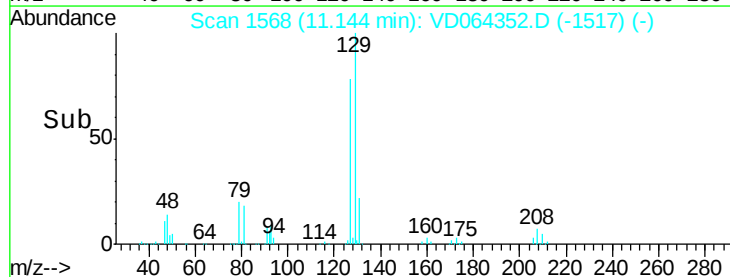
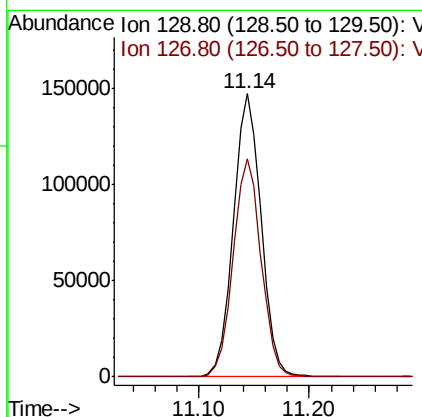
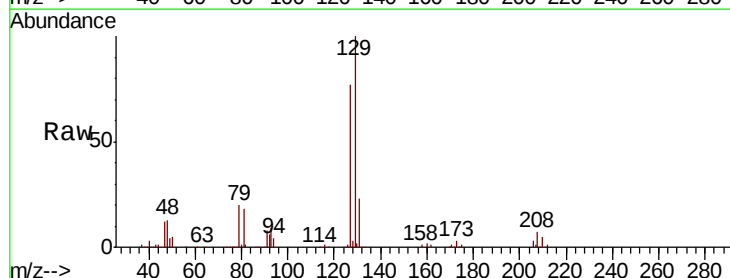
Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#60
Dibromochloromethane
Concen: 52.065 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion: 129 Resp: 259650
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





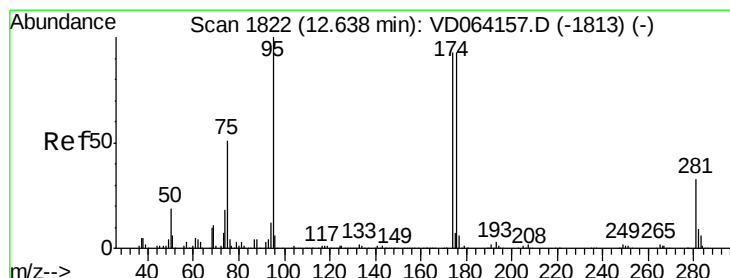
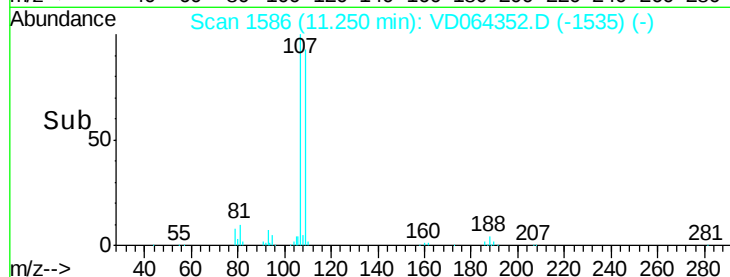
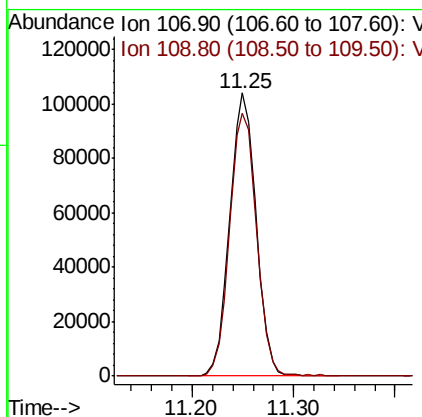
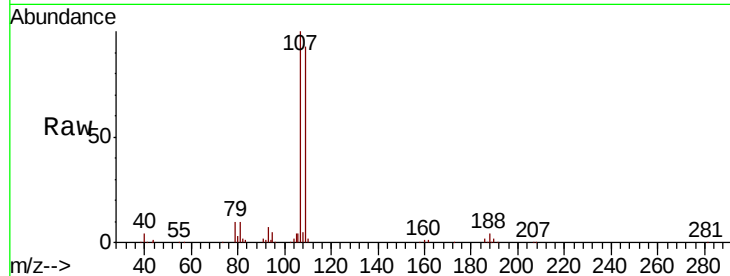
#61
 1,2-Dibromoethane
 Concen: 52.402 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 187583
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.1 112.7

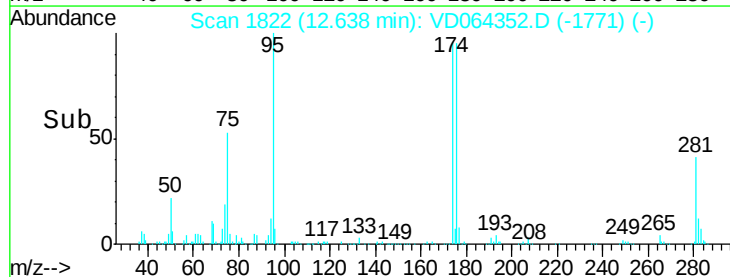
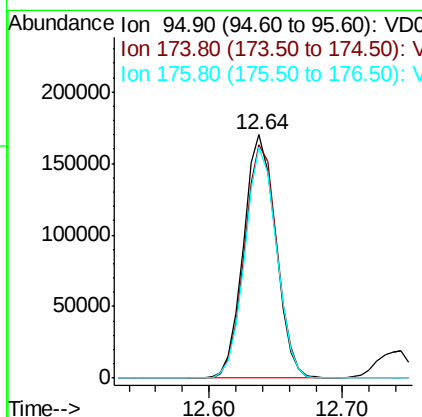
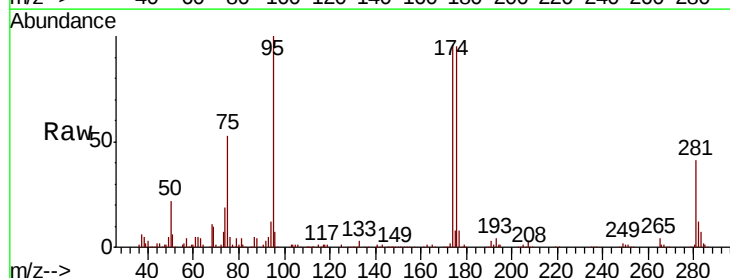
Manual Integrations
 APPROVED

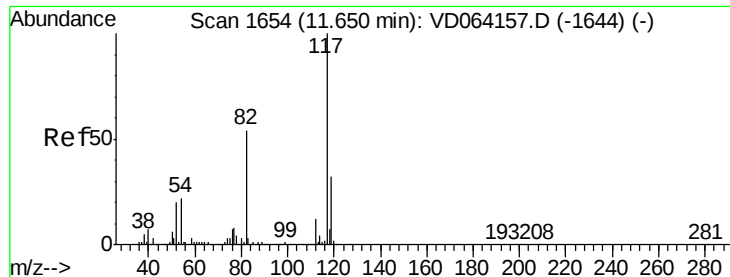
MMDadoda
 11/26/2019 9:56:10 AM



#62
 4-Bromofluorobenzene
 Concen: 47.021 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion: 95 Resp: 282649
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 183.6
 176 92.9 0.0 180.2





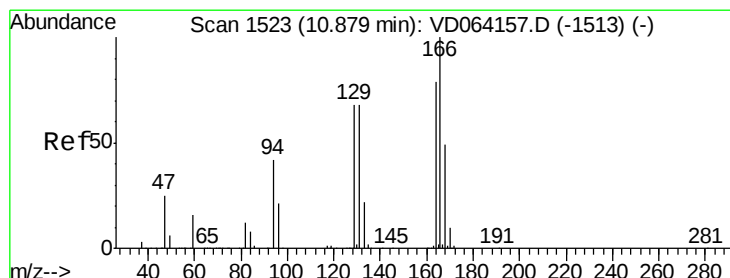
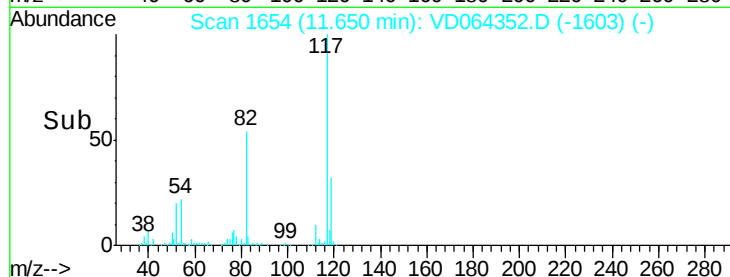
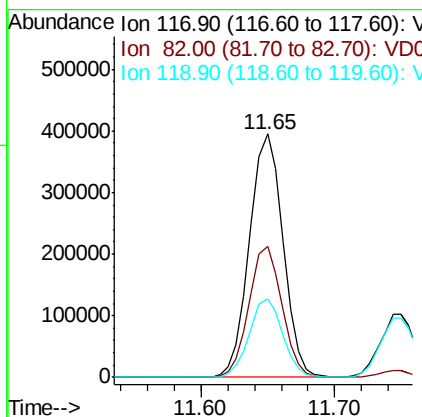
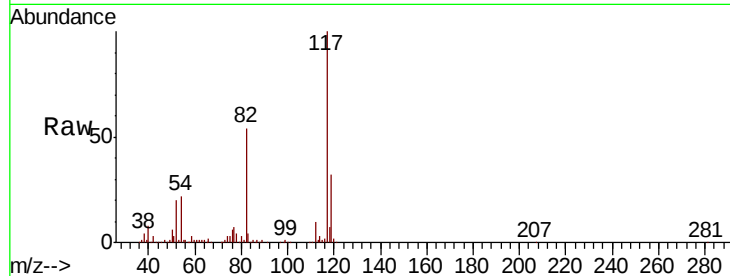
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.8	64.2
119	32.3	25.6	38.4

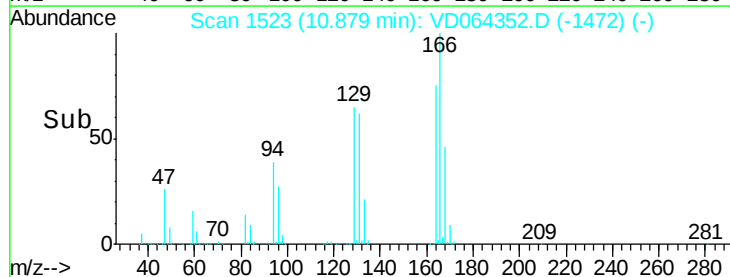
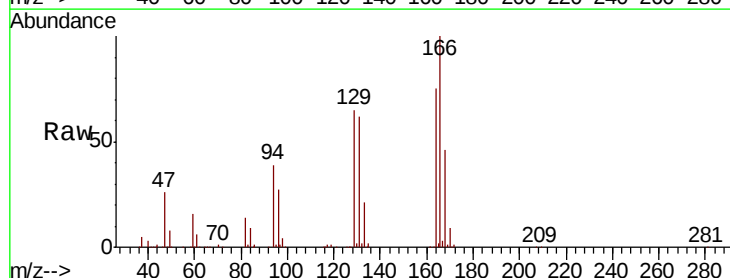
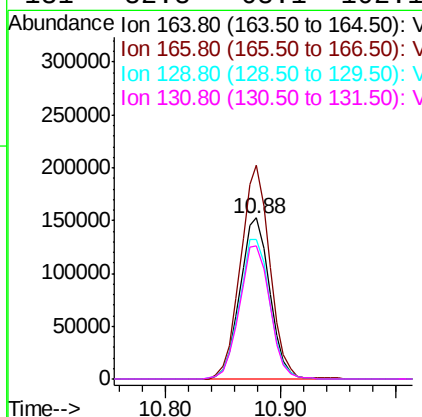
Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#64
Tetrachloroethene
Concen: 51.765 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	100.8	151.2
129	86.6	68.7	103.1
131	82.8	68.1	102.1





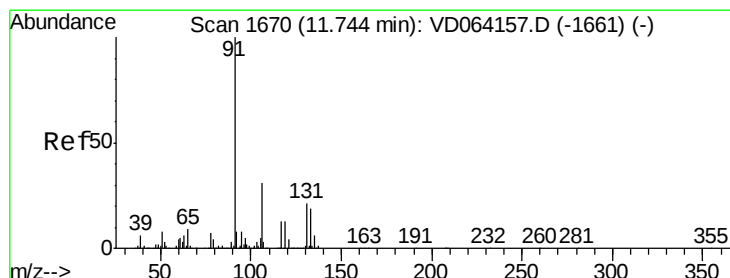
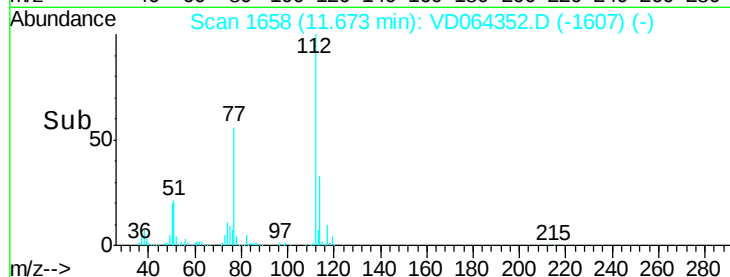
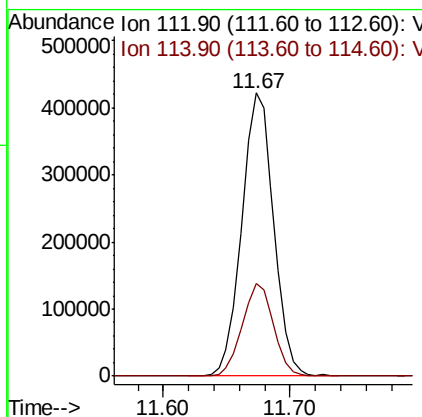
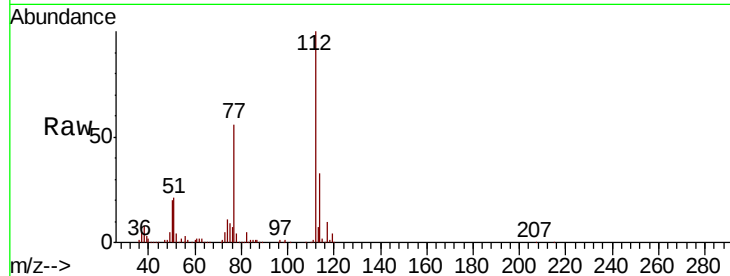
#65
Chlorobenzene
Concen: 52.783 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.2	37.8

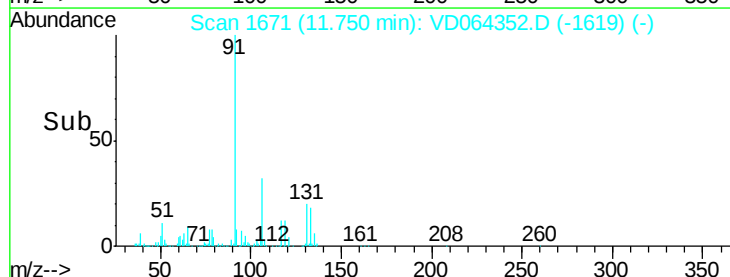
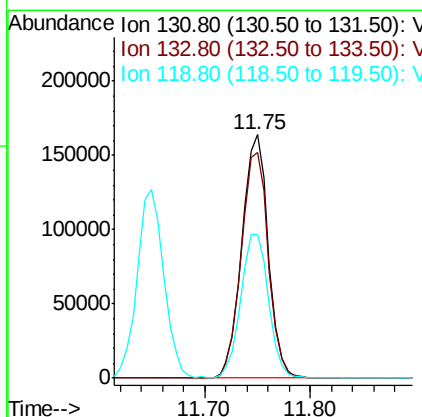
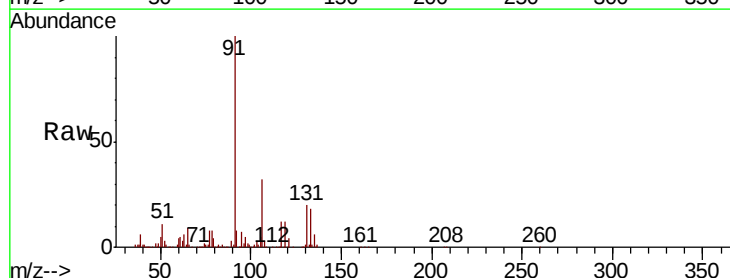
Manual Integrations
APPROVED

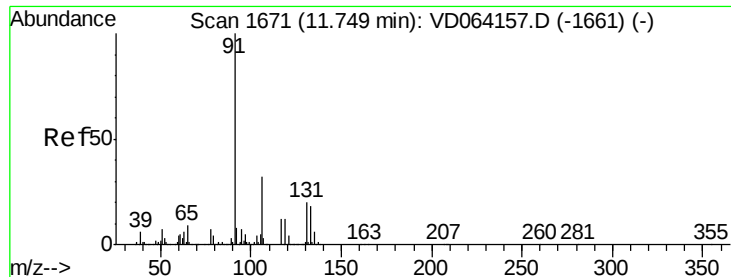
MMDadoda
11/26/2019 9:56:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.605 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	62.1	31.1	93.3





#67

Ethyl Benzene

Concen: 54.255 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1369191

Ion Ratio Lower Upper

91 100

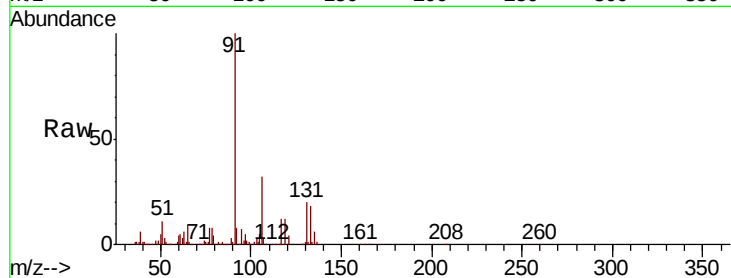
106 31.8 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

1200000

1000000

800000

600000

400000

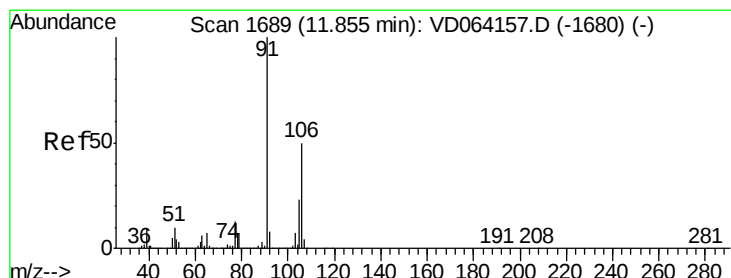
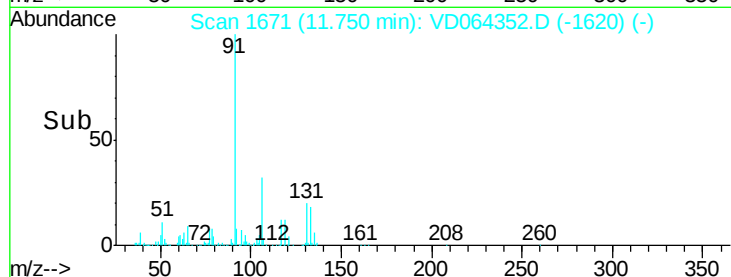
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 107.611 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064352.D

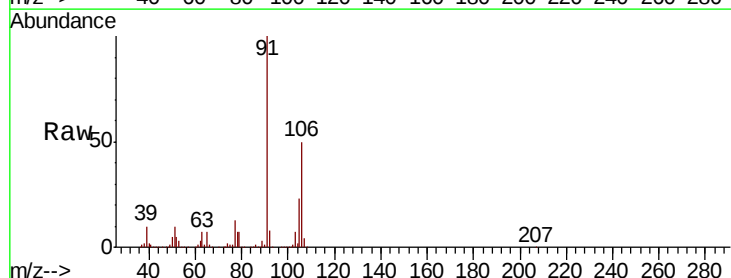
Acq: 25 Nov 2019 10:50

Tgt Ion: 106 Resp: 1040922

Ion Ratio Lower Upper

106 100

91 200.0 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

400000

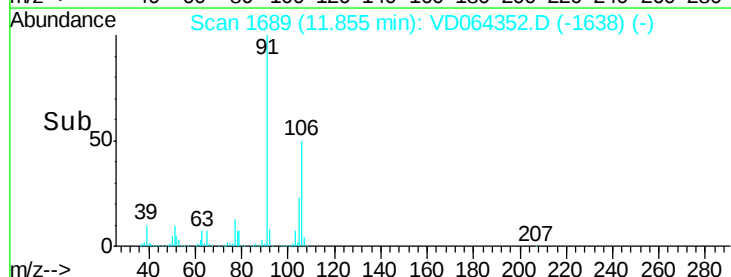
200000

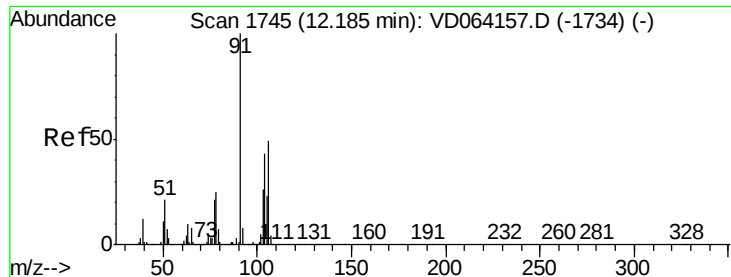
0

11.86

11.90

Time-->





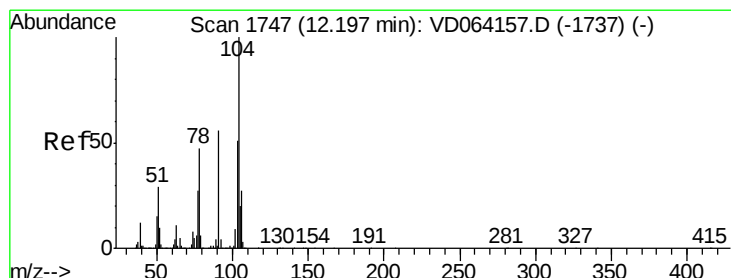
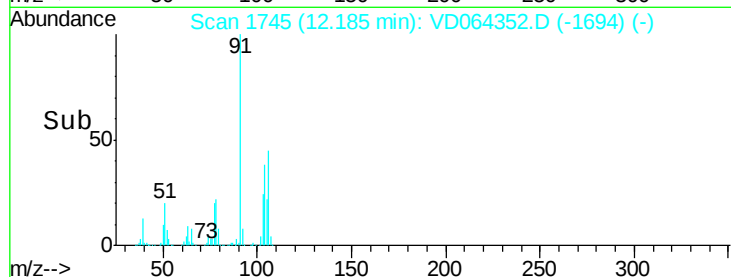
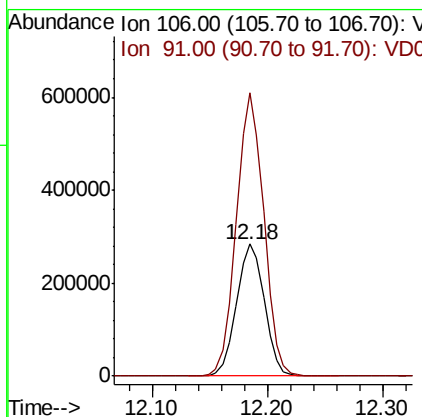
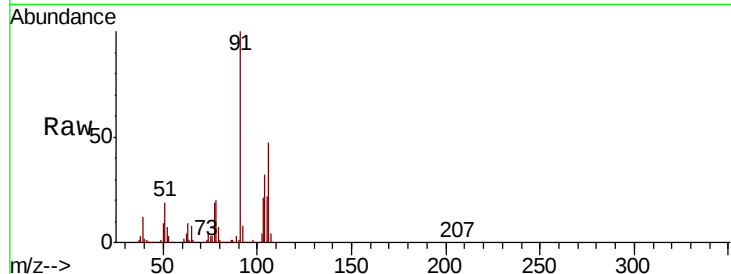
#69
o-Xylene
Concen: 53.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	105.1	315.3

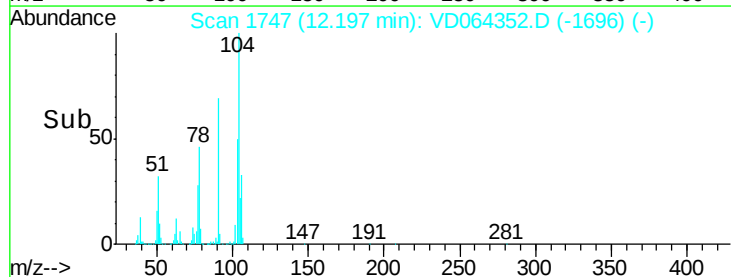
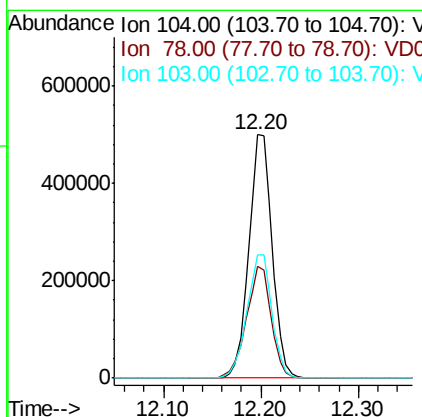
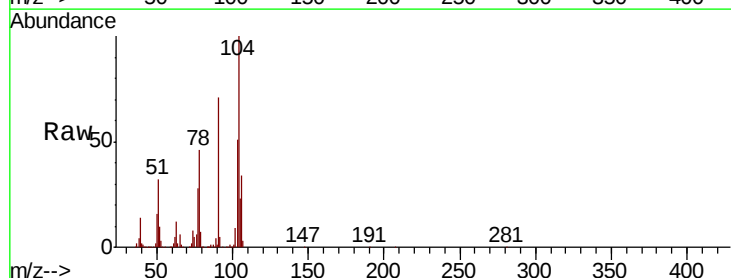
Manual Integrations
APPROVED

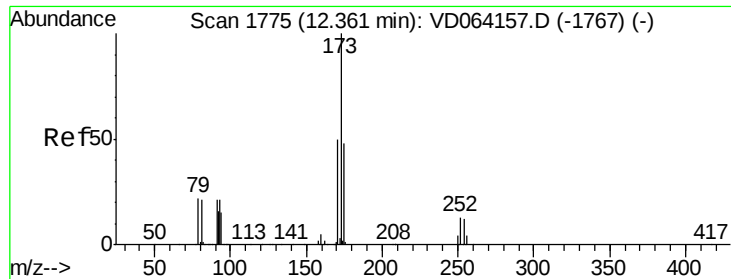
MMDadoda
11/26/2019 9:56:10 AM



#70
Styrene
Concen: 53.565 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.9	59.9
103	54.3	43.4	65.0





#71

Bromoform

Concen: 52.295 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

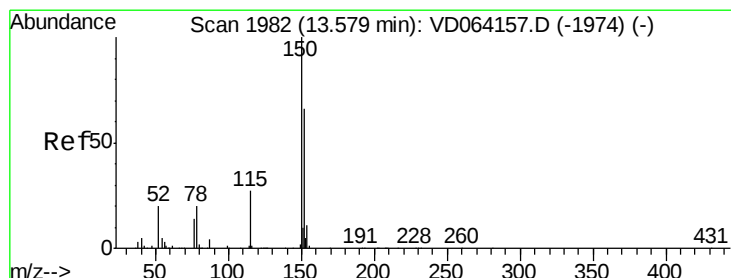
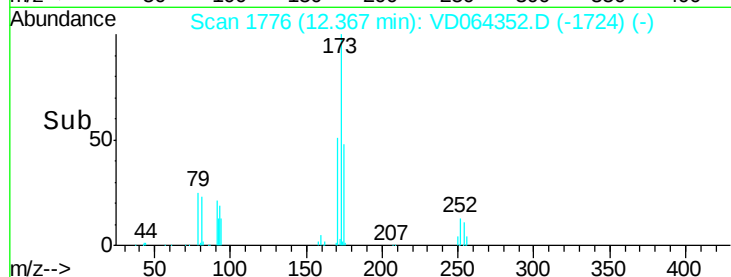
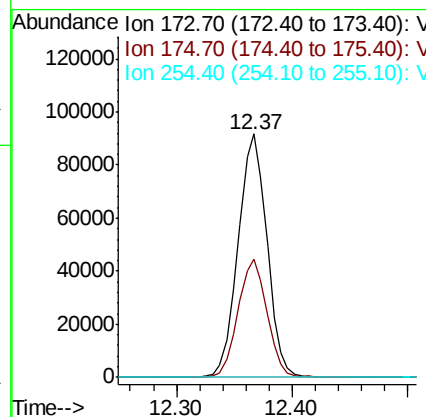
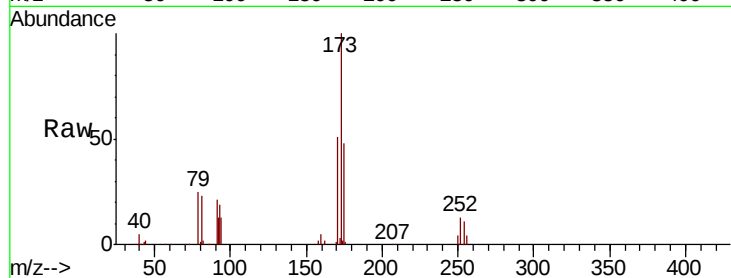
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	157883
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

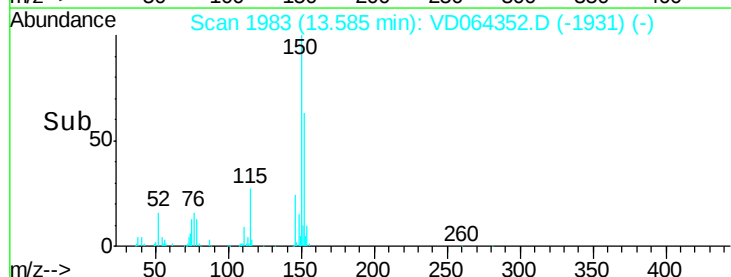
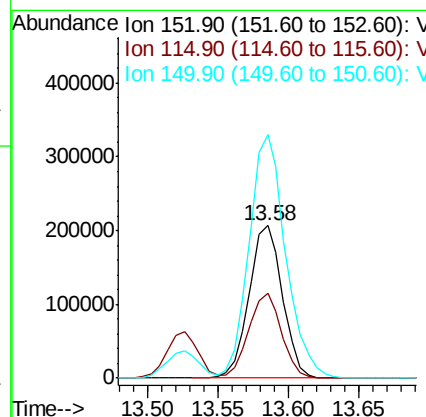
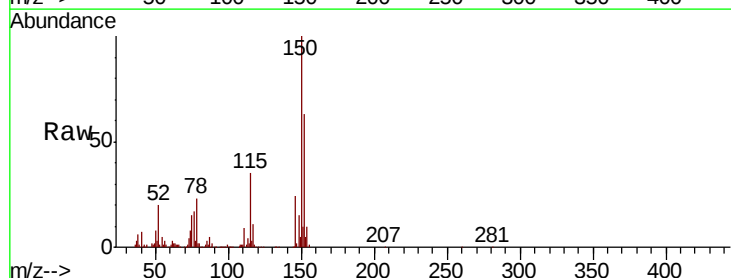
RT: 13.58 min Scan# 1983

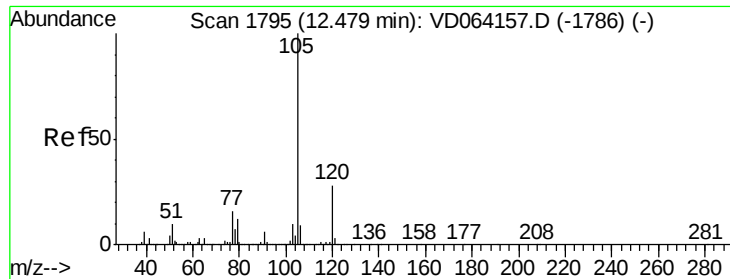
Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	152	Resp:	342511
Ion Ratio	Lower	Upper	
152	100		
115	54.9	27.4	82.2
150	174.6	0.0	351.6





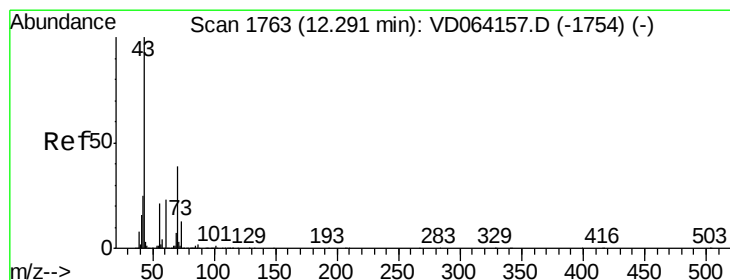
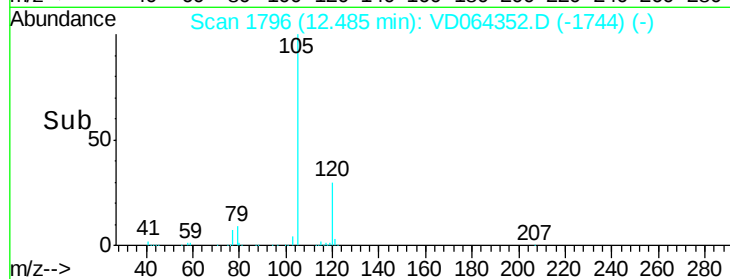
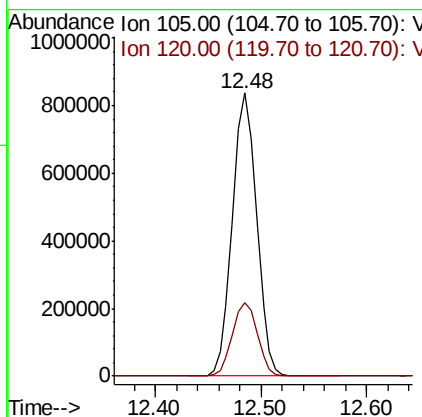
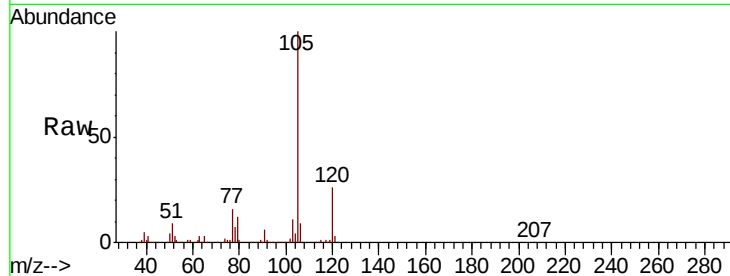
#73
Isopropylbenzene
Concen: 52.858 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1328859
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.8

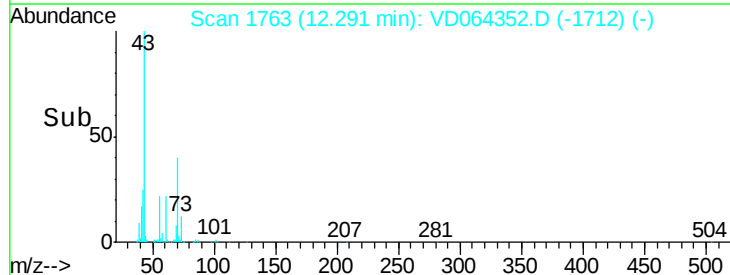
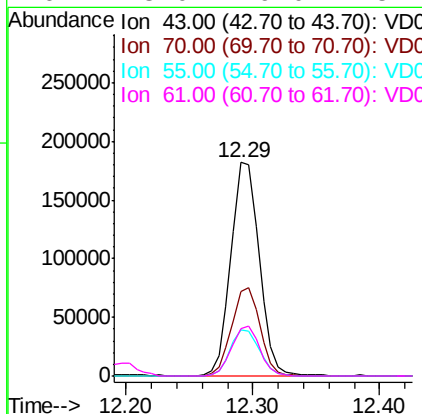
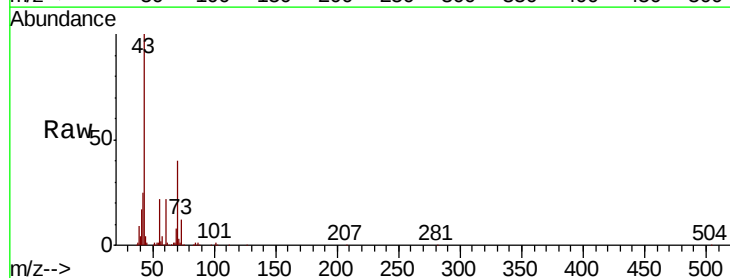
Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#74
N-ethyl acetate
Concen: 47.394 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion: 43 Resp: 281368
Ion Ratio Lower Upper
43 100
70 41.5 32.4 48.6
55 22.9 17.9 26.9
61 23.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.372 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

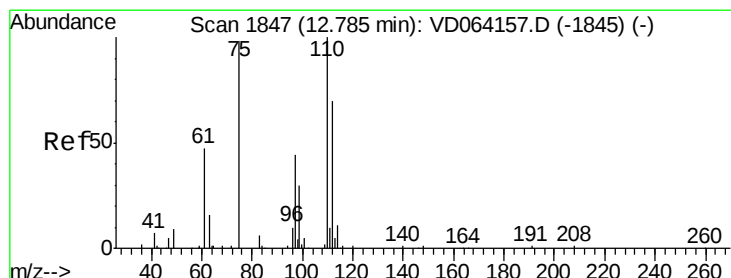
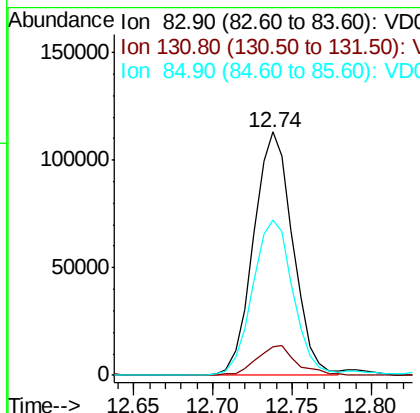
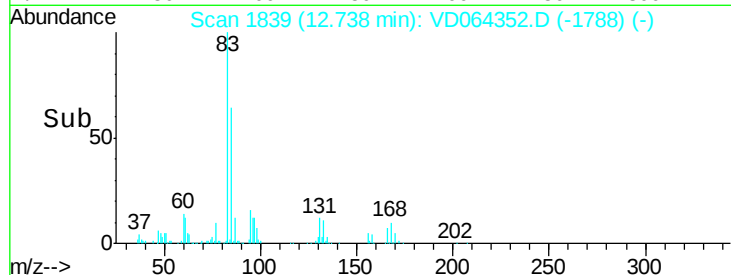
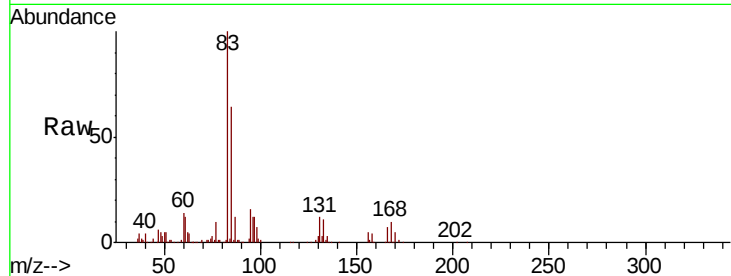
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	194605
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.9	17.7
85	65.4	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#76

1,2,3-Trichloropropane

Concen: 45.989 ug/l m

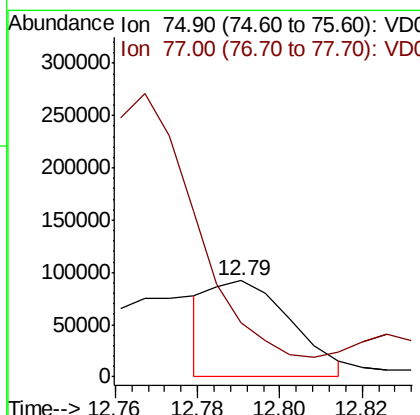
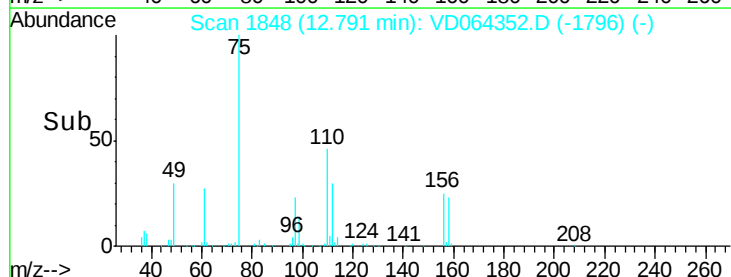
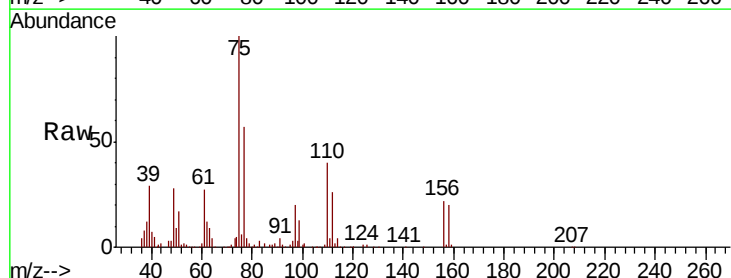
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	75	Resp:	126875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.474 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

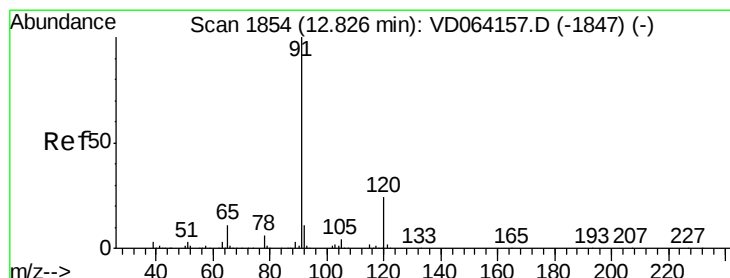
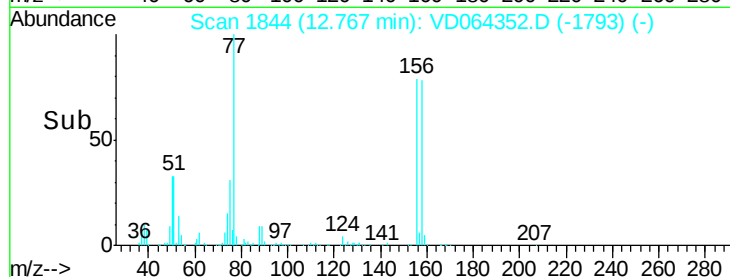
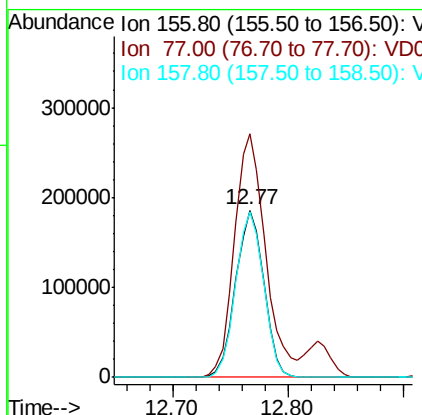
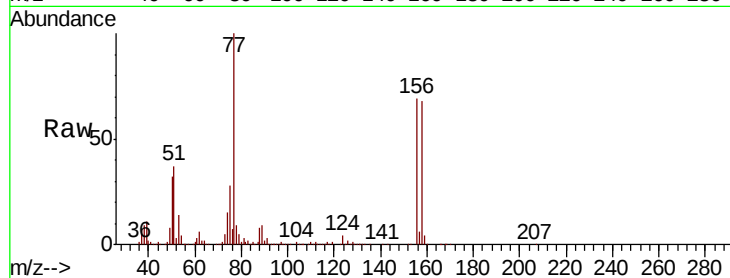
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	314384
Ion Ratio	Lower	Upper	
156	100		
77	161.3	81.2	243.4
158	98.5	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#78

n-propylbenzene

Concen: 54.336 ug/l

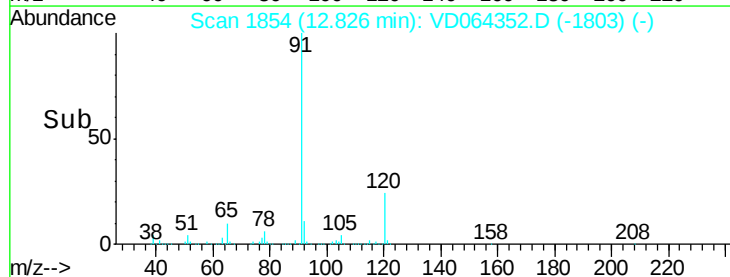
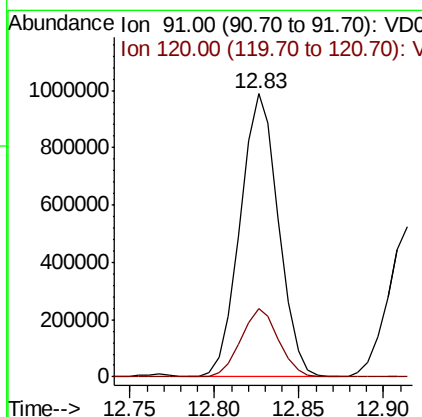
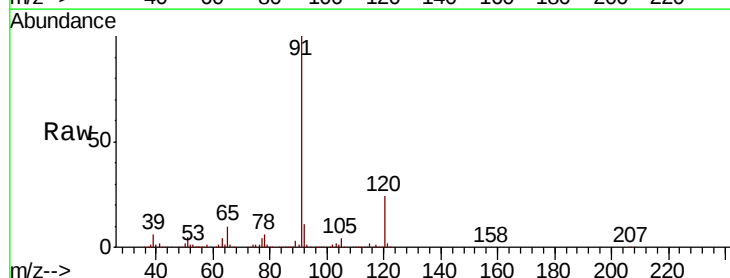
RT: 12.83 min Scan# 1854

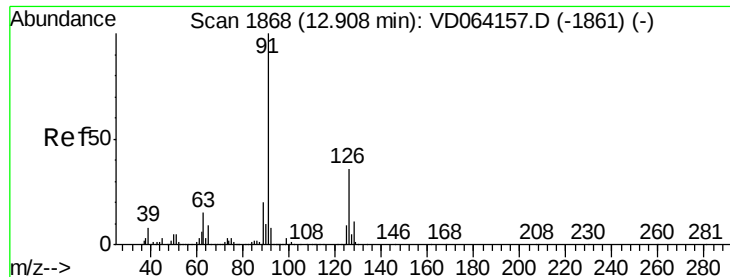
Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	91	Resp:	1560687
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 51.739 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 839023

Ion Ratio Lower Upper

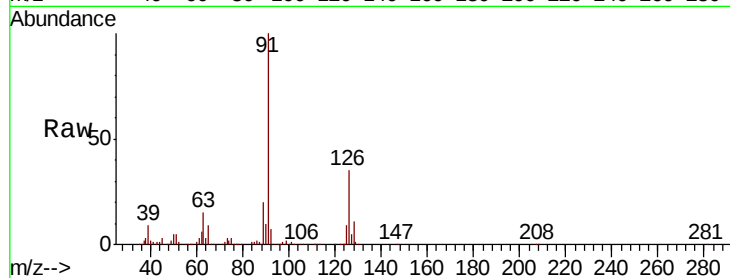
91 100

126 35.7 17.7 53.1

Manual Integrations
APPROVED

MMDadoda

11/26/2019 9:56:10 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

600000

500000

400000

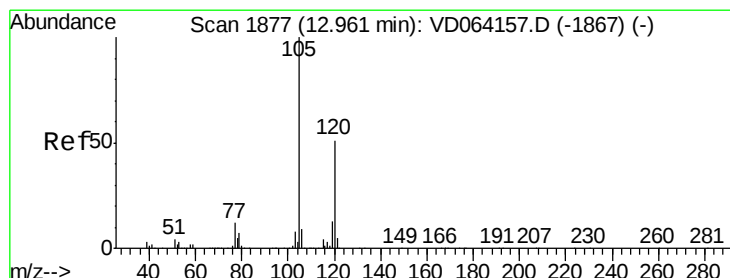
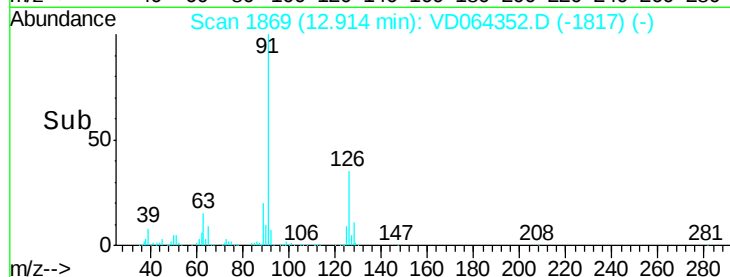
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.897 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064352.D

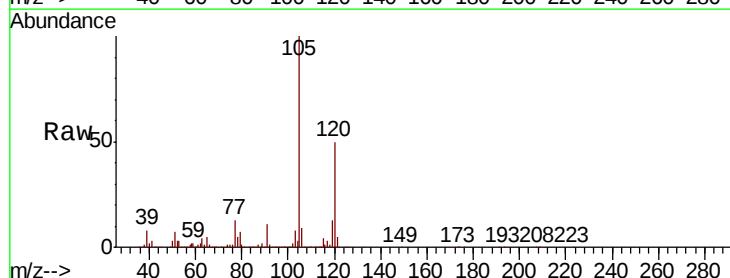
Acq: 25 Nov 2019 10:50

Tgt Ion: 105 Resp: 1092731

Ion Ratio Lower Upper

105 100

120 49.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

800000

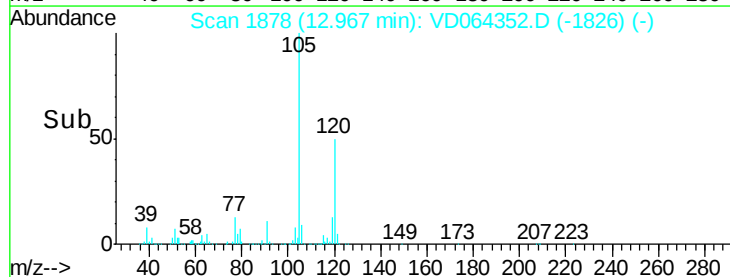
600000

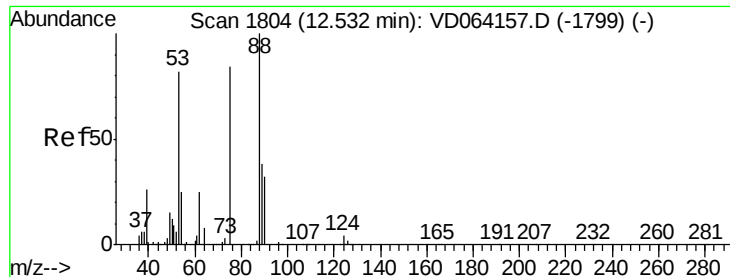
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.007 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 68064

Ion Ratio Lower Upper

75 100

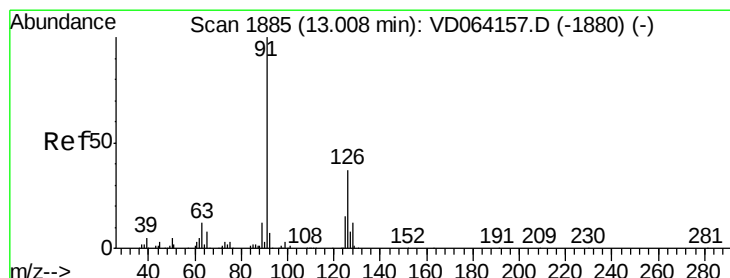
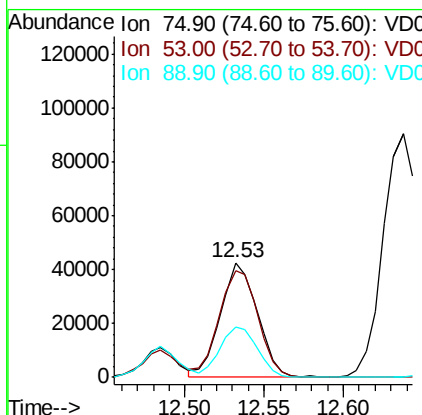
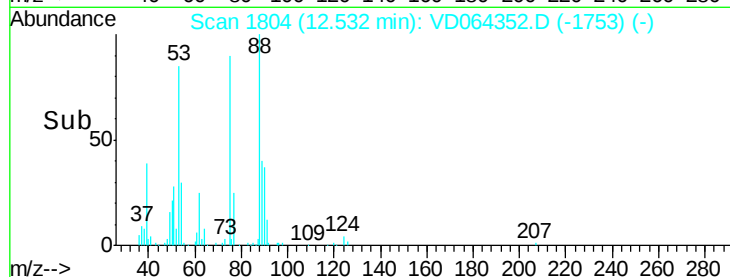
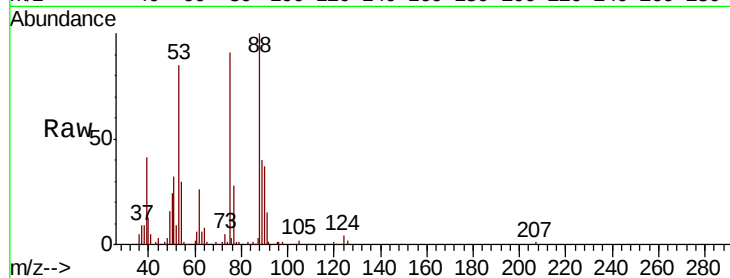
53 100.1 79.4 119.0

89 45.5 36.6 55.0

Manual Integrations
APPROVED

MMDadoda

11/26/2019 9:56:10 AM



#82

4-Chlorotoluene

Concen: 51.788 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064352.D

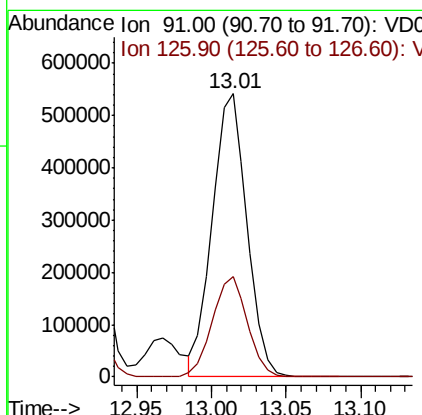
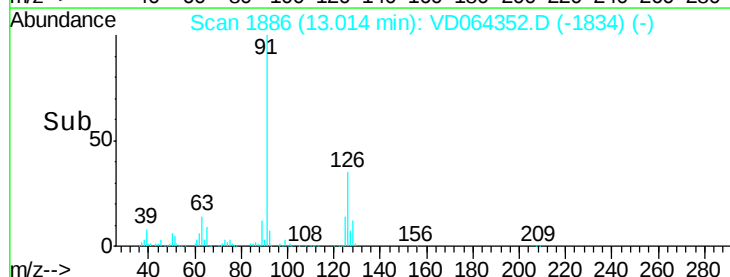
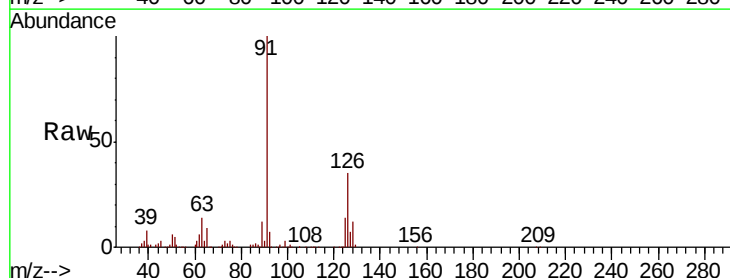
Acq: 25 Nov 2019 10:50

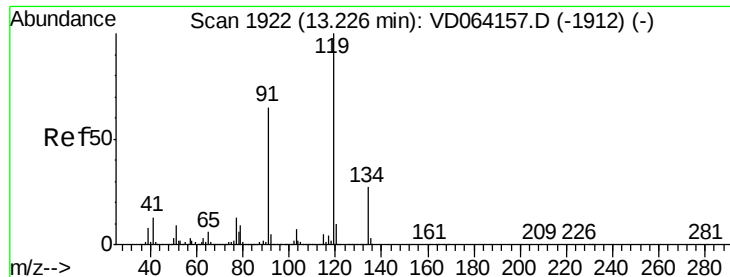
Tgt Ion: 91 Resp: 875954

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.4





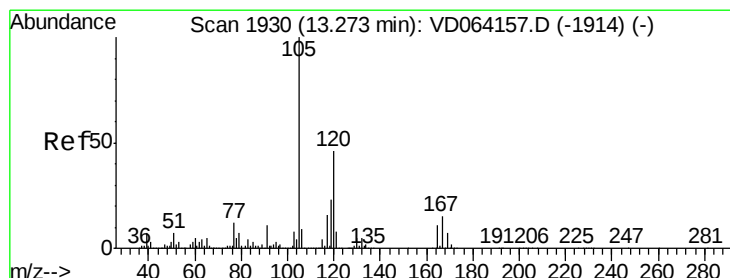
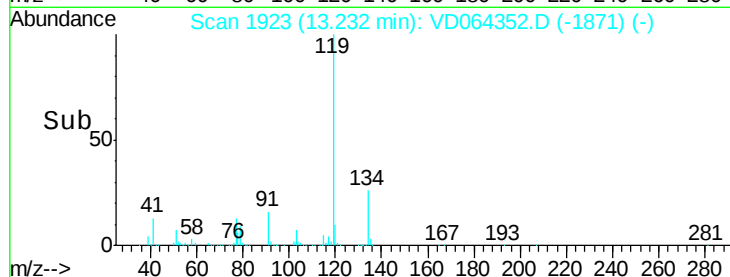
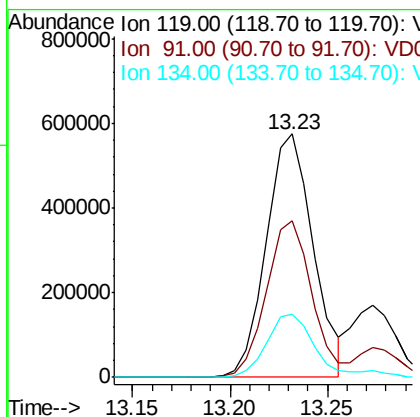
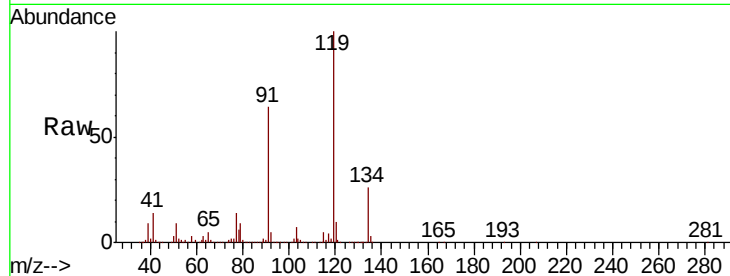
#83
 tert-Butylbenzene
 Concen: 52.870 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.8	95.4
134	27.5	13.7	41.0

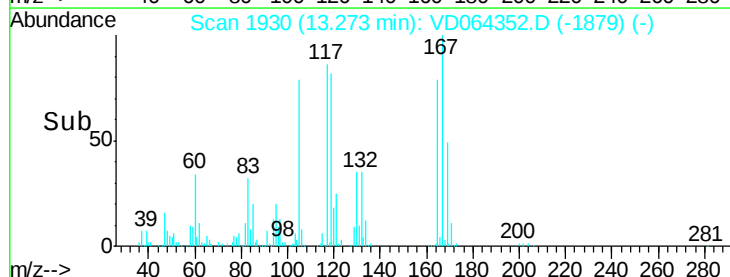
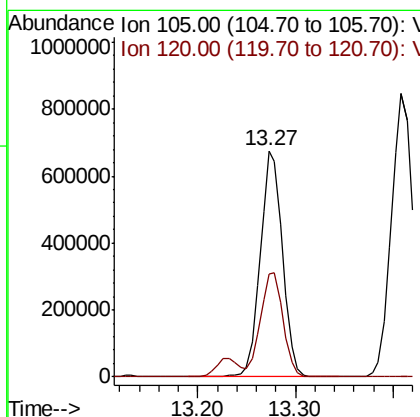
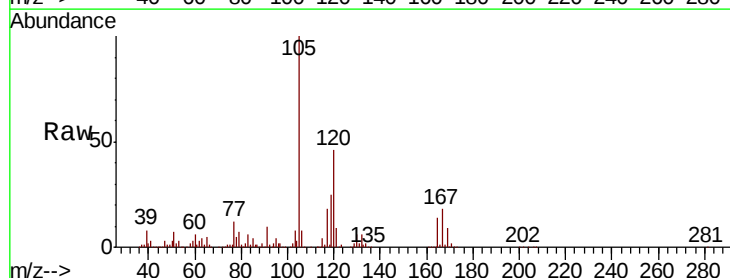
Manual Integrations
 APPROVED

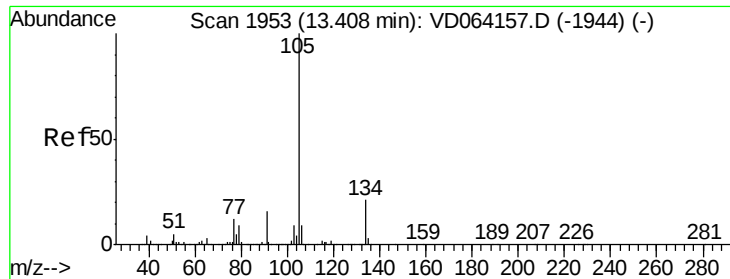
MMDadoda
 11/26/2019 9:56:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.170 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8





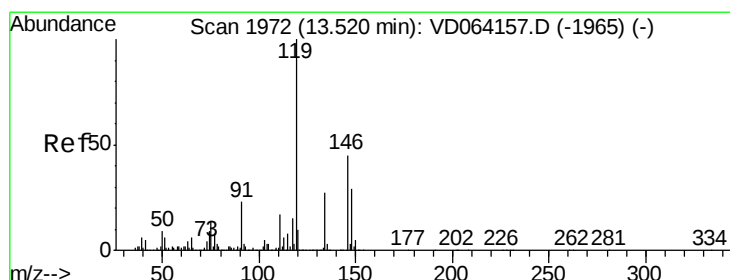
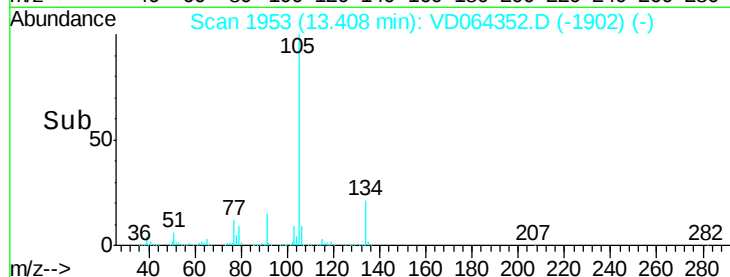
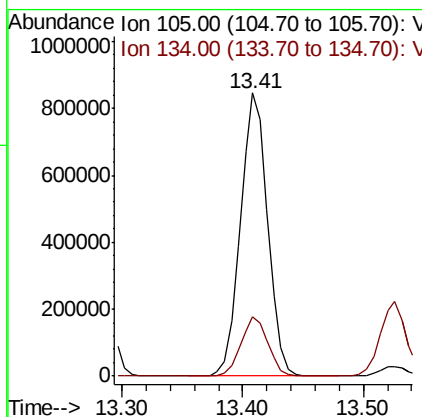
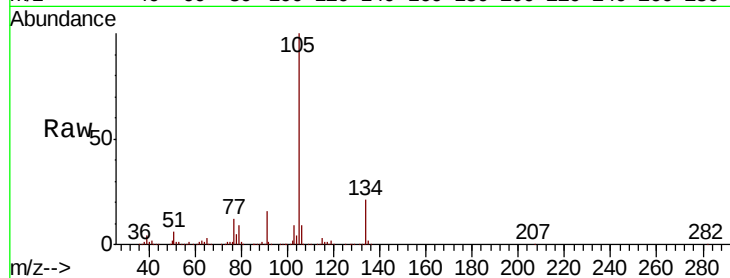
#85
 sec-Butylbenzene
 Concen: 54.063 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1322666
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9

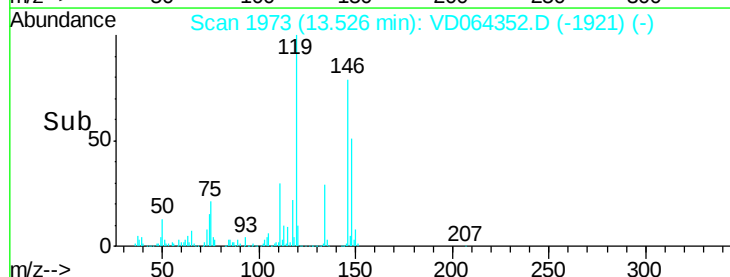
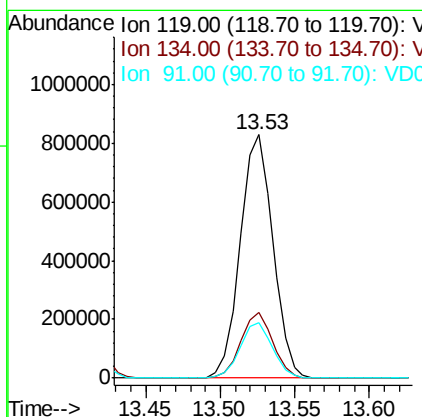
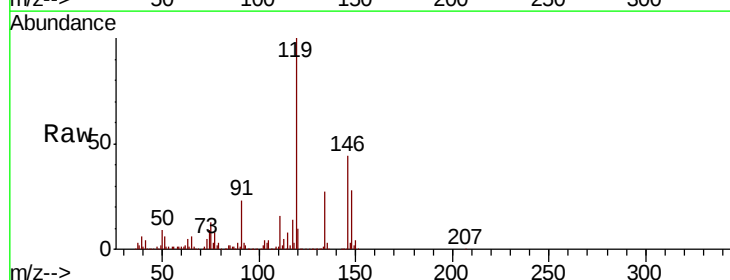
Manual Integrations
 APPROVED

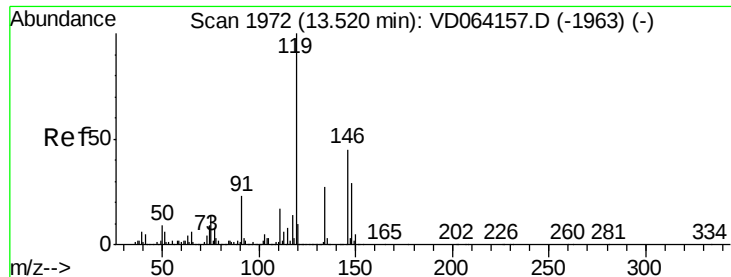
MMDadoda
 11/26/2019 9:56:10 AM



#86
 p-Isopropyltoluene
 Concen: 53.987 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion:119 Resp: 1255688
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.5
 91 22.4 11.5 34.4





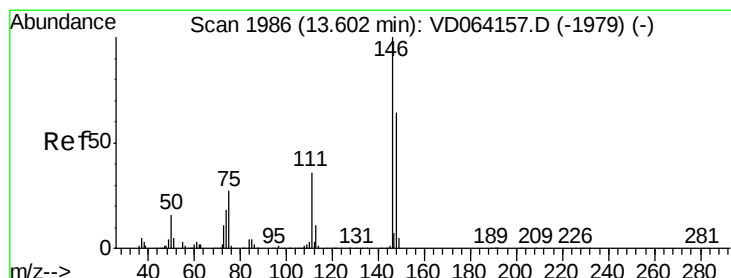
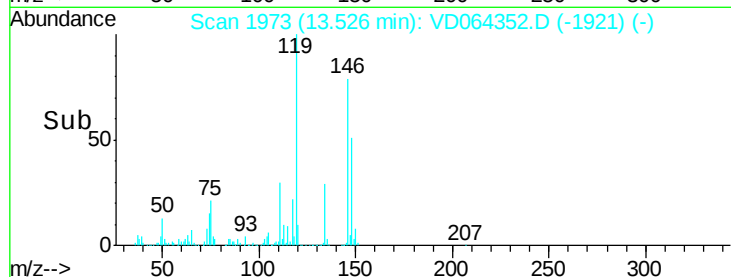
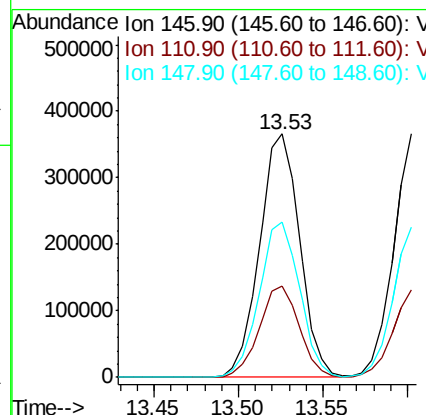
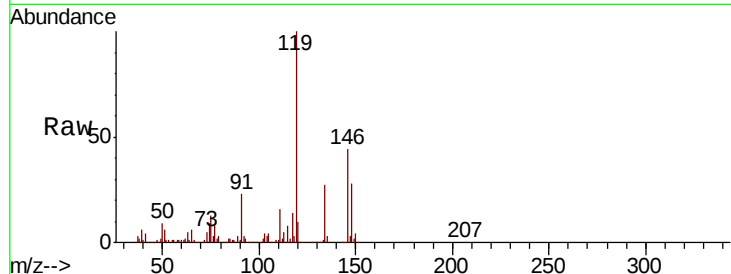
#87
 1,3-Dichlorobenzene
 Concen: 53.259 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	64.3	32.1	96.5

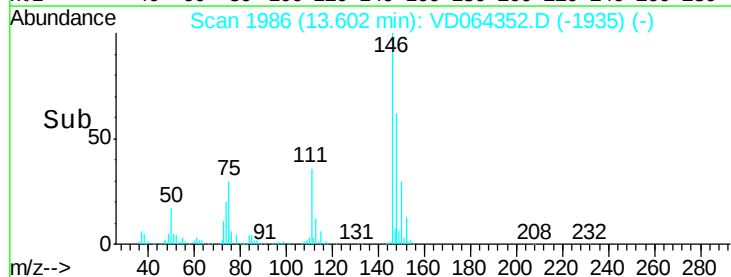
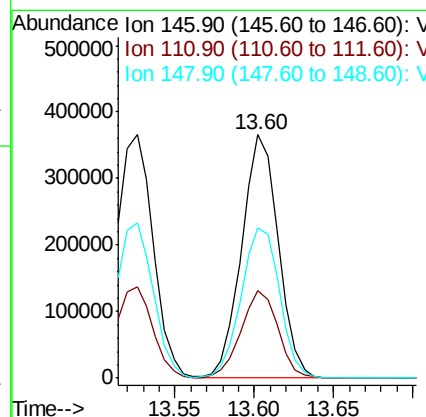
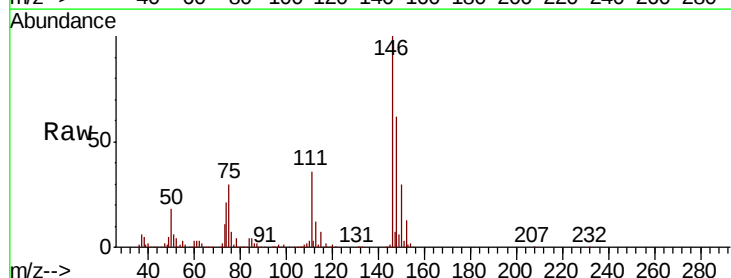
Manual Integrations
 APPROVED

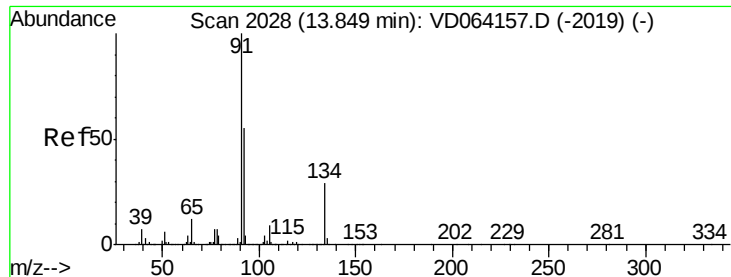
MMDadoda
 11/26/2019 9:56:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.245 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.4
148	64.6	31.9	95.7





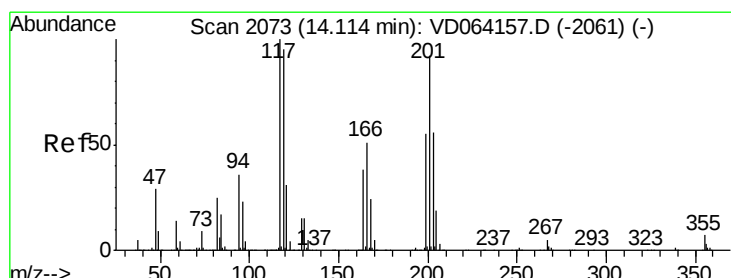
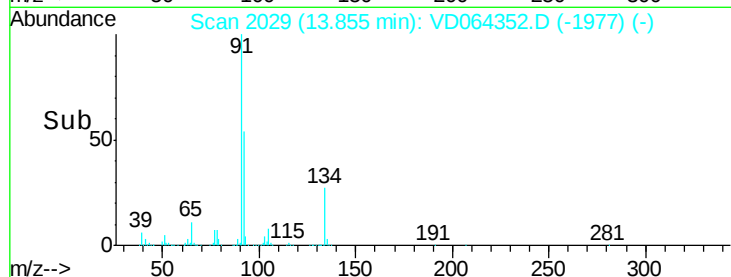
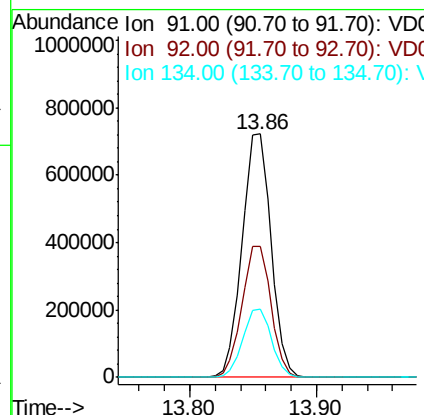
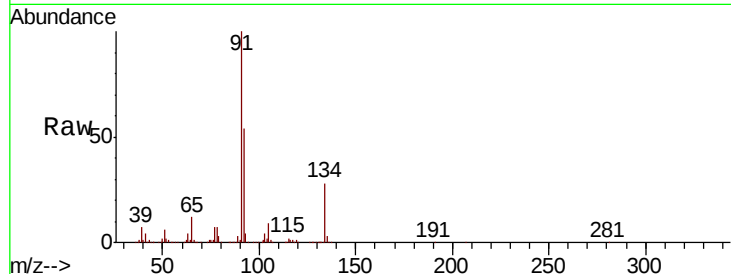
#89
n-Butylbenzene
Concen: 54.235 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1139646
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.8
134 27.8 14.1 42.4

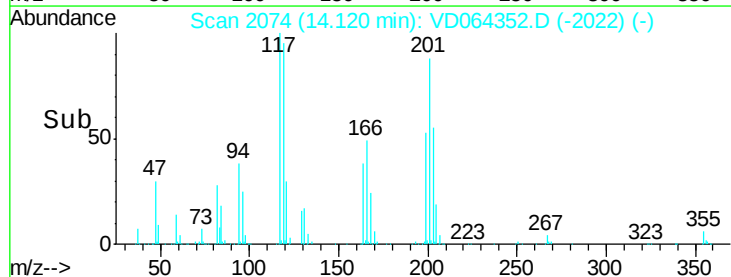
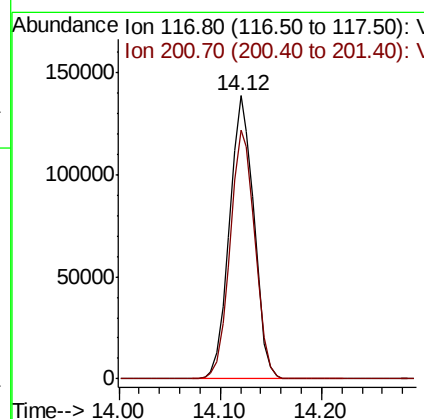
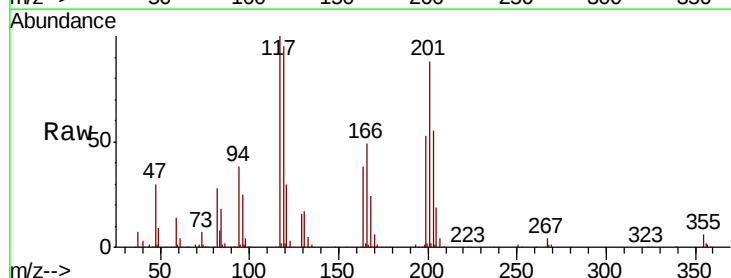
Manual Integrations
APPROVED

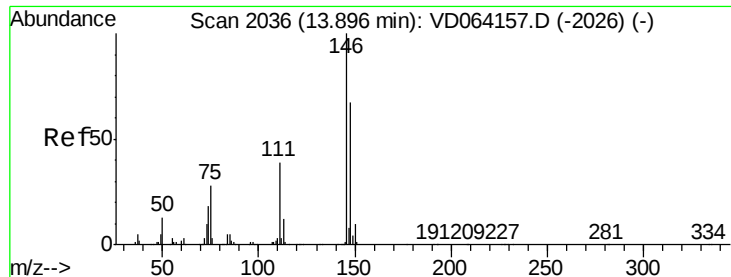
MMDadoda
11/26/2019 9:56:10 AM



#90
Hexachloroethane
Concen: 53.913 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064352.D
Acq: 25 Nov 2019 10:50

Tgt Ion: 117 Resp: 231746
Ion Ratio Lower Upper
117 100
201 88.8 45.8 137.4





#91

1,2-Dichlorobenzene

Concen: 53.175 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

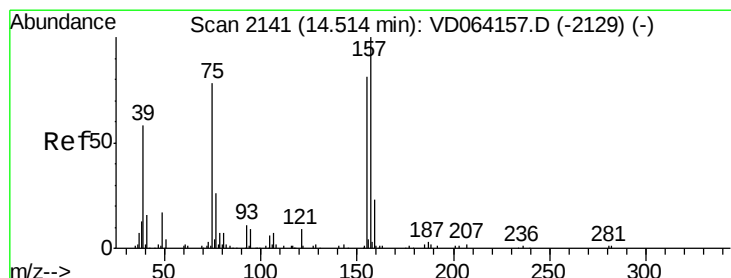
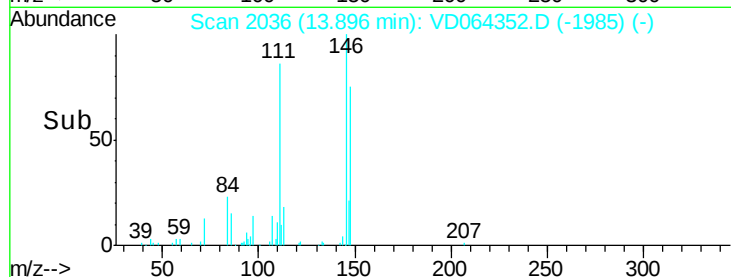
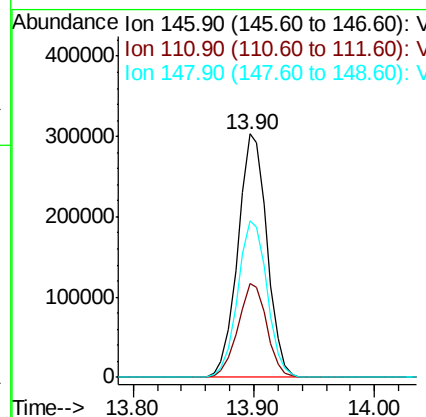
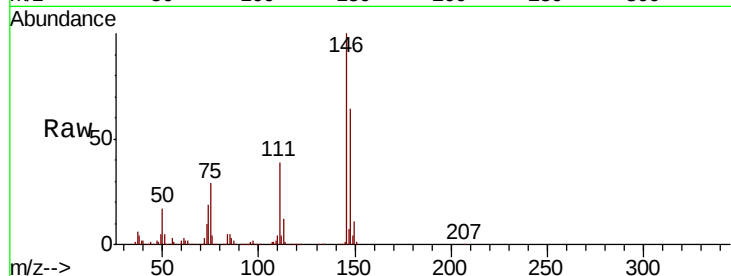
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	510276
Ion Ratio		Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.6	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.333 ug/l

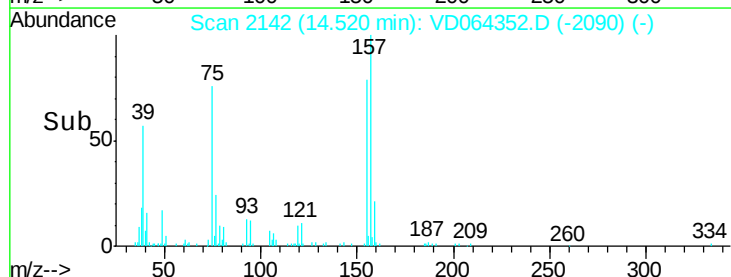
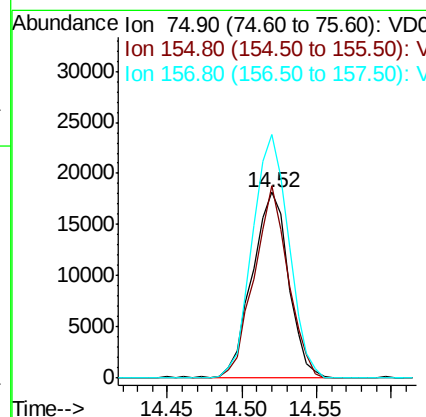
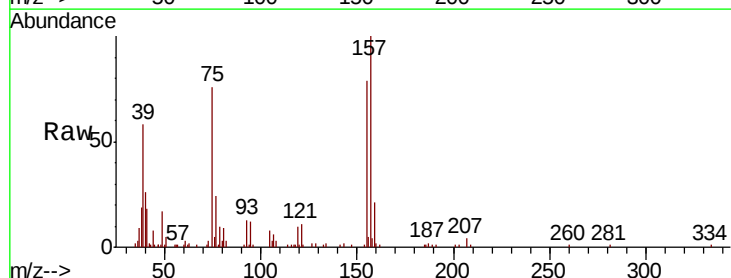
RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	75	Resp:	30704
Ion Ratio		Lower	Upper
75	100		
155	96.1	48.0	144.0
157	130.2	61.5	184.4





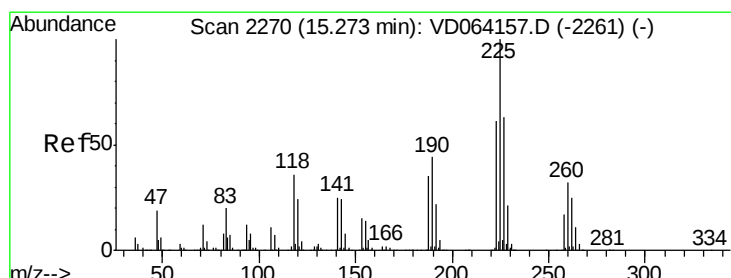
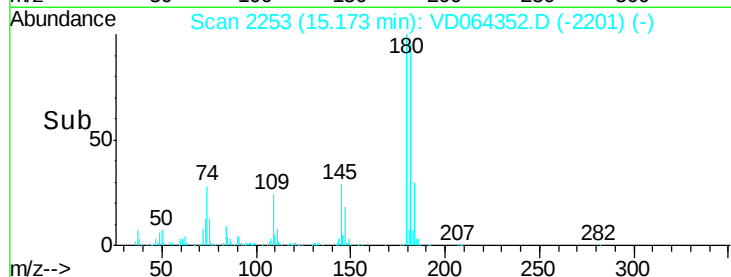
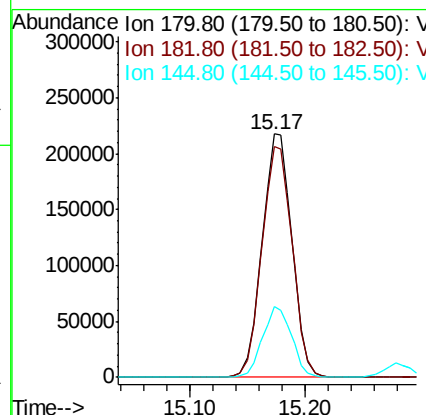
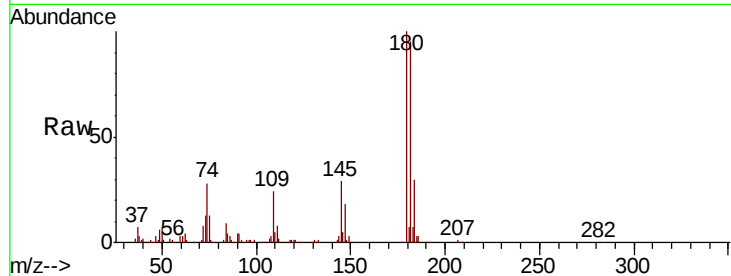
#93
 1,2,4-Trichlorobenzene
 Concen: 52.903 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	391617
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.5	142.5
145	28.4	14.2	42.6

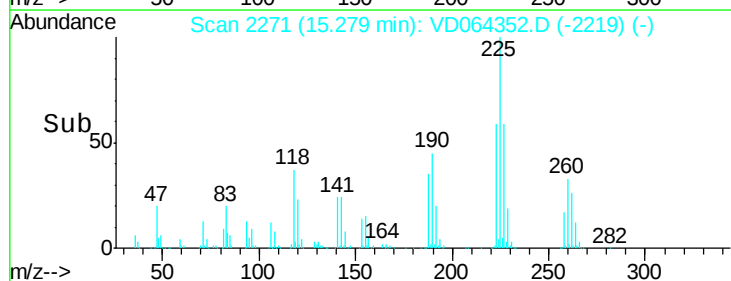
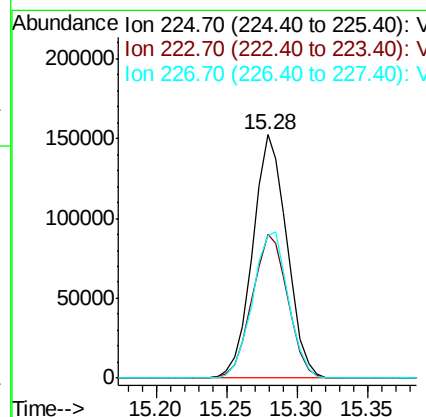
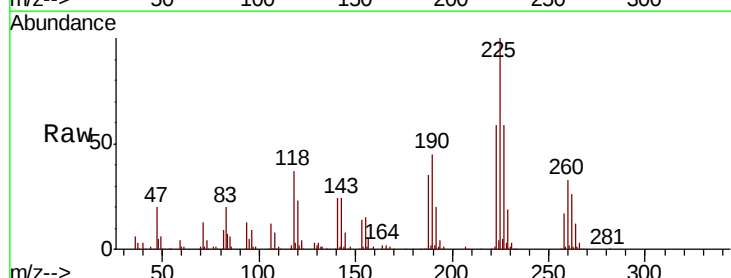
Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:10 AM



#94
 Hexachlorobutadiene
 Concen: 54.147 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064352.D
 Acq: 25 Nov 2019 10:50

Tgt Ion:	225	Resp:	258897
Ion Ratio	Lower	Upper	
225	100		
223	61.4	31.1	93.3
227	62.7	31.5	94.5





#95

Naphthalene

Concen: 51.426 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Instrument :

MSVOA_D

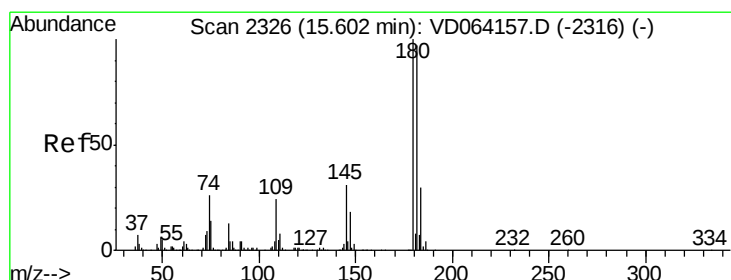
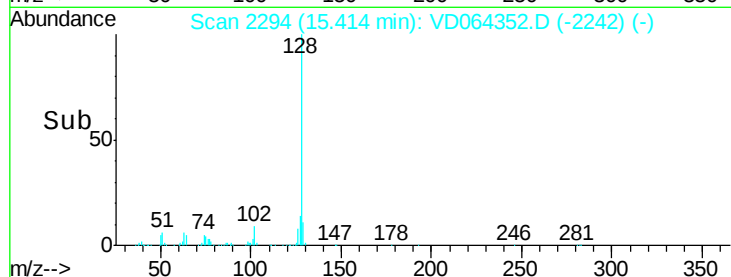
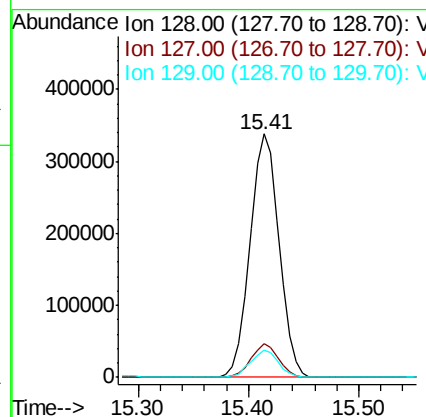
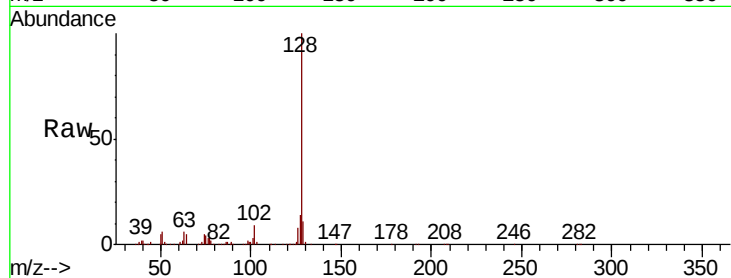
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	624040
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:56:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.289 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064352.D

Acq: 25 Nov 2019 10:50

Tgt Ion:	180	Resp:	335319
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.9
145	29.5	15.3	45.8

