

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067264.D
 Acq On : 14 Oct 2020 12:05
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:46 PM

Quant Time: Oct 15 06:27:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	508927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	479106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	169500	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.91	113	177503	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.34	98	647255	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.64	95	228352	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62688	20.662	ug/l	92
3) Chloromethane	2.21	50	43042	20.341	ug/l	98
4) Vinyl Chloride	2.35	62	45697	19.682	ug/l	99
5) Bromomethane	2.76	94	35807	20.790	ug/l	94
6) Chloroethane	2.92	64	29689	20.533	ug/l	97
7) Trichlorofluoromethane	3.27	101	118421	20.256	ug/l	95
8) Diethyl Ether	3.71	74	27435	20.508	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	62132	20.003	ug/l	97
10) Methyl Iodide	4.30	142	56371	19.674	ug/l	98
11) Tert butyl alcohol	5.22	59	22411m	100.746	ug/l	
12) 1,1-Dichloroethene	4.06	96	52975	19.091	ug/l	94
13) Acrolein	3.93	56	14540	87.629	ug/l	99
14) Allyl chloride	4.72	41	62449	19.652	ug/l	97
15) Acrylonitrile	5.42	53	46459	104.079	ug/l #	87
16) Acetone	4.16	43	46884	99.382	ug/l	90
17) Carbon Disulfide	4.40	76	159565	20.171	ug/l	98
18) Methyl Acetate	4.73	43	22042	20.485	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	107618	19.504	ug/l	93
20) Methylene Chloride	4.97	84	67731	19.693	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	63226	19.800	ug/l	97
22) Diisopropyl ether	6.37	45	124636	21.470	ug/l	96
23) Vinyl Acetate	6.31	43	342027	103.562	ug/l	99
24) 1,1-Dichloroethane	6.27	63	102548	20.637	ug/l	98
25) 2-Butanone	7.21	43	55728	103.632	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	104369	20.377	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	70439	20.127	ug/l	97
28) Bromochloromethane	7.55	49	34305	20.240	ug/l #	97
29) Tetrahydrofuran	7.57	42	31859	106.579	ug/l	97
30) Chloroform	7.71	83	123473	20.800	ug/l	94
31) Cyclohexane	7.99	56	77958	20.094	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	116262	19.961	ug/l	96
36) 1,1-Dichloropropene	8.11	75	89645	20.782	ug/l	98
37) Ethyl Acetate	7.29	43	23741	18.707	ug/l	99
38) Carbon Tetrachloride	8.10	117	110713	20.082	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067264.D
 Acq On : 14 Oct 2020 12:05
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:46 PM

Quant Time: Oct 15 06:27:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	90748	20.124	ug/l	96
40) Benzene	8.36	78	245323	20.731	ug/l	98
41) Methacrylonitrile	7.54	41	16653	24.282	ug/l #	8
42) 1,2-Dichloroethane	8.43	62	73634	19.883	ug/l	99
43) Isopropyl Acetate	8.46	43	51802	20.571	ug/l	99
44) Trichloroethene	9.11	130	78019	20.592	ug/l	96
45) 1,2-Dichloropropane	9.39	63	56148	20.473	ug/l	98
46) Dibromomethane	9.48	93	35926	21.025	ug/l	94
47) Bromodichloromethane	9.66	83	94637	20.672	ug/l	98
48) Methyl methacrylate	9.46	41	24975	20.408	ug/l	92
49) 1,4-Dioxane	9.46	88	7366	428.085	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	131046	104.334	ug/l	97
52) Toluene	10.41	92	172313	21.379	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	85158	21.175	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	97482	20.712	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	48803	20.945	ug/l	94
56) Ethyl methacrylate	10.67	69	48965	20.262	ug/l	99
57) 1,3-Dichloropropane	10.95	76	77240	20.830	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	126692	102.196	ug/l	98
59) 2-Hexanone	10.99	43	87531	101.985	ug/l	98
60) Dibromochloromethane	11.14	129	71313	20.986	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47301	20.591	ug/l	99
64) Tetrachloroethene	10.88	164	68893	19.847	ug/l	97
65) Chlorobenzene	11.68	112	182388	19.852	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	75724	20.738	ug/l	99
67) Ethyl Benzene	11.75	91	321186	20.394	ug/l	99
68) m/p-Xylenes	11.86	106	249375	41.119	ug/l	100
69) o-Xylene	12.18	106	114593	20.405	ug/l	94
70) Styrene	12.20	104	205004	21.206	ug/l	98
71) Bromoform	12.37	173	40926	20.863	ug/l #	100
73) Isopropylbenzene	12.48	105	318352	21.380	ug/l	99
74) N-amyl acetate	12.29	43	45363	20.171	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47815	20.957	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	38273m	23.537	ug/l	
77) Bromobenzene	12.77	156	79362	21.378	ug/l	99
78) n-propylbenzene	12.83	91	368363	21.352	ug/l	98
79) 2-Chlorotoluene	12.91	91	212535	21.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	282045	21.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15464	21.566	ug/l	96
82) 4-Chlorotoluene	13.01	91	228263	21.496	ug/l	100
83) tert-Butylbenzene	13.23	119	233250	21.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	276898	21.651	ug/l	99
85) sec-Butylbenzene	13.41	105	320203	21.350	ug/l	99
86) p-Isopropyltoluene	13.53	119	301385	21.290	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	154945	21.685	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	151553	21.408	ug/l	99
89) n-Butylbenzene	13.85	91	261646	21.010	ug/l	99
90) Hexachloroethane	14.12	117	50521	20.451	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	133662	21.413	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8938	21.564	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
Data File : VD067264.D
Acq On : 14 Oct 2020 12:05
Operator : VA/SY
Sample : VD1014SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM

Quant Time: Oct 15 06:27:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87535	20.799	ug/l	98
94) Hexachlorobutadiene	15.28	225	56761	21.719	ug/l	95
95) Naphthalene	15.41	128	141533	20.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	77393	21.286	ug/l	97

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

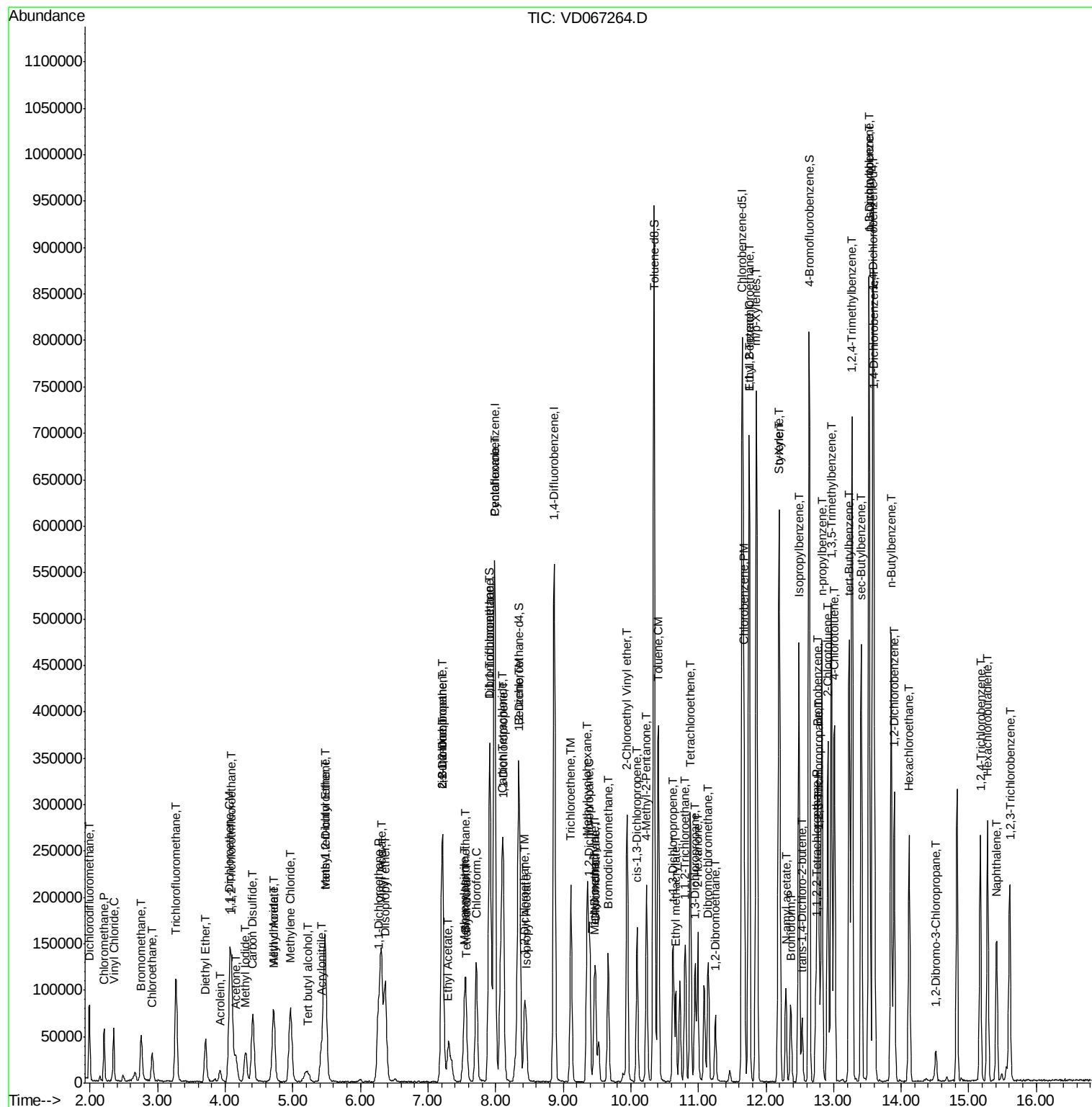
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101420\
Data File : VD067264.D
Acq On : 14 Oct 2020 12:05
Operator : VA/SY
Sample : VD1014SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

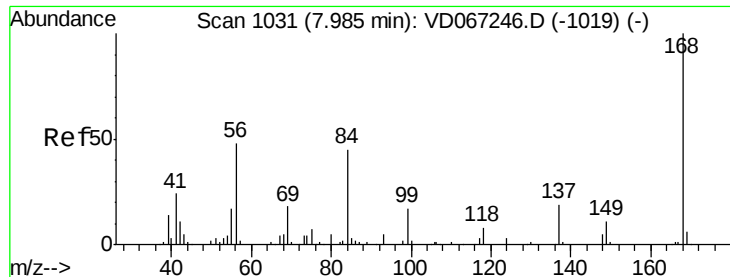
Instrument :
MSVOA_D
Client Sample Id :
VD1014SBS01

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM

Quant Time: Oct 15 06:27:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBSD01

Tot Ion:168 Resp: 336224

Ion Ratio Lower Upper

168 100

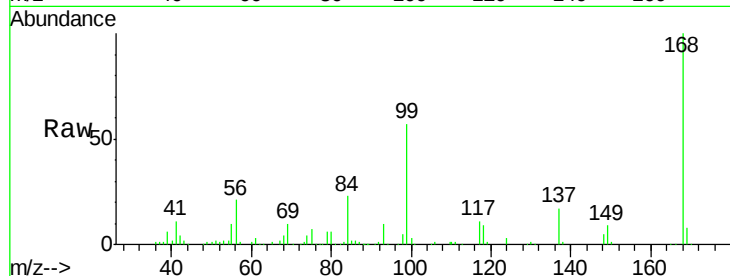
99 56.3 45.9 68.9

Manual Integrations

APPROVED

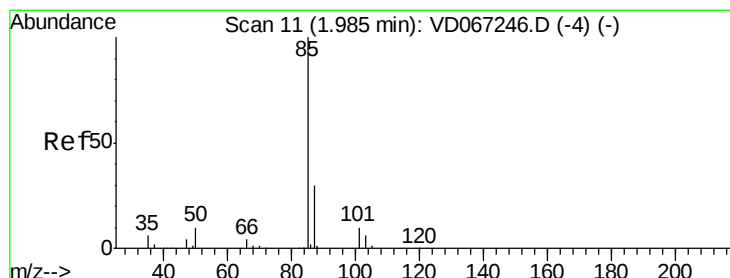
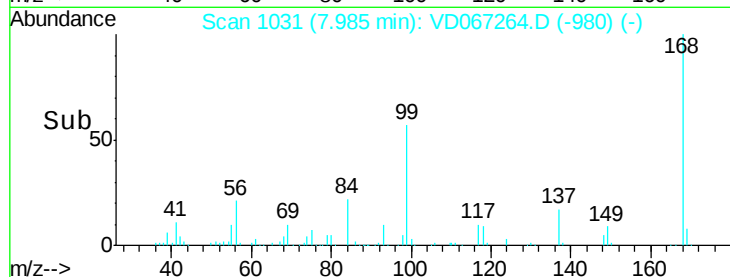
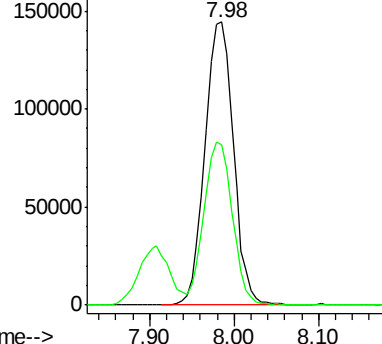
MMDadoda

10/15/2020 12:18:46 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.662 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067264.D

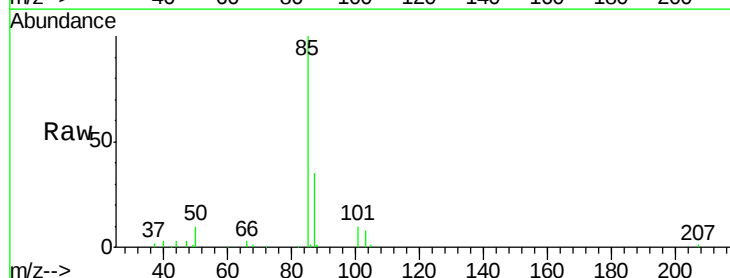
Acq: 14 Oct 2020 12:05

Tgt Ion: 85 Resp: 62688

Ion Ratio Lower Upper

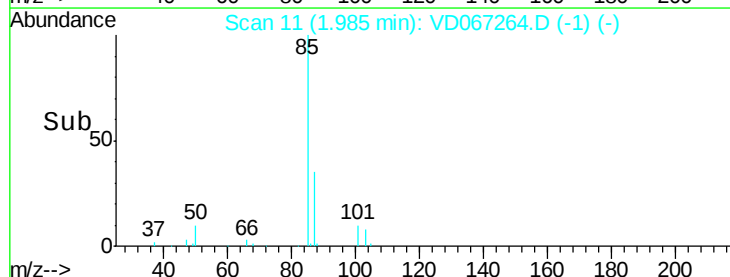
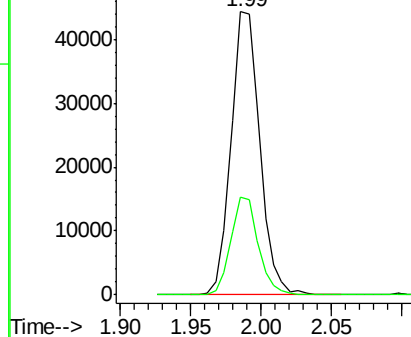
85 100

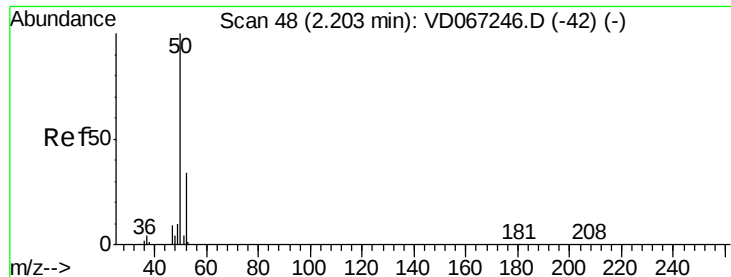
87 34.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.341 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Tot Ion: 50 Resp: 43042

Ion Ratio Lower Upper

50 100

52 35.1 27.1 40.7

Instrument :

MSVOA_D

ClientSampleId :

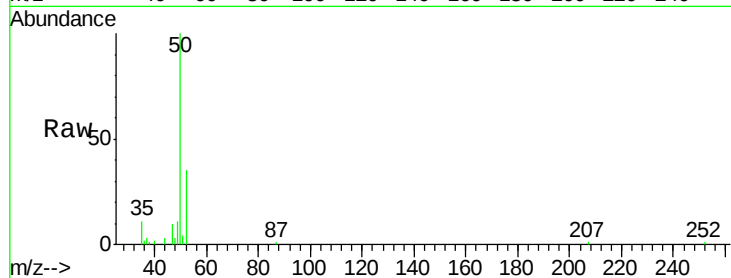
VD1014SBS01

Manual Integrations

APPROVED

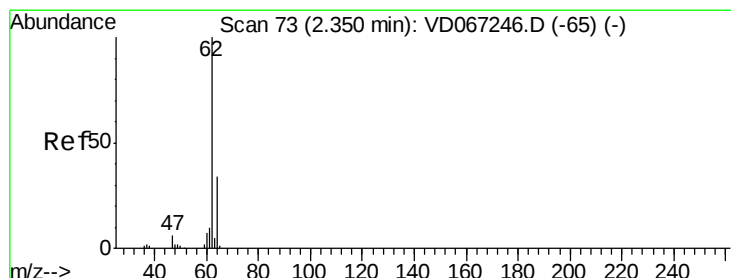
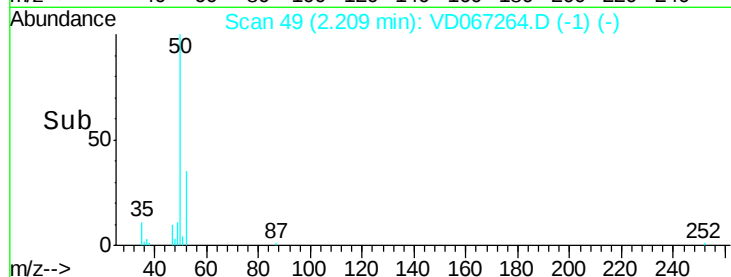
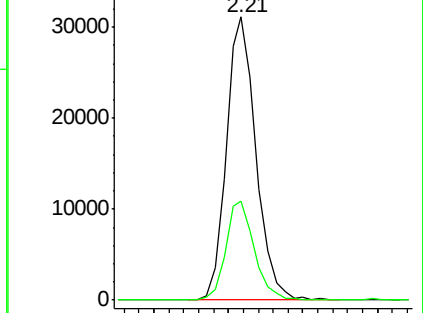
MMDadoda

10/15/2020 12:18:46 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.682 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067264.D

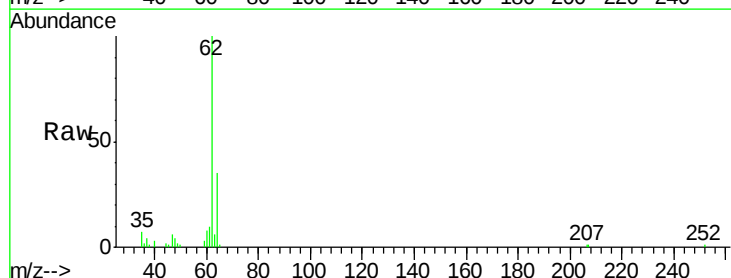
Acq: 14 Oct 2020 12:05

Tgt Ion: 62 Resp: 45697

Ion Ratio Lower Upper

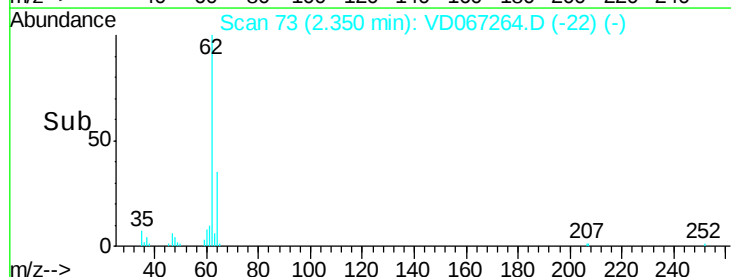
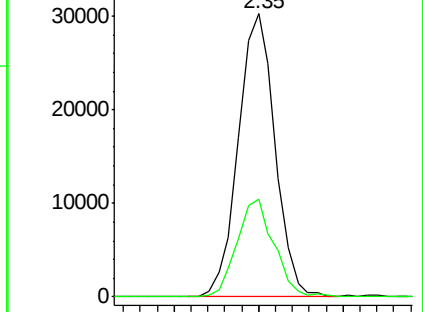
62 100

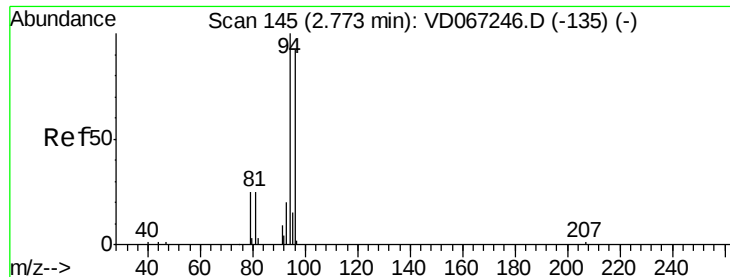
64 34.6 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.790 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 94 Resp: 35807

Ion Ratio Lower Upper

94 100

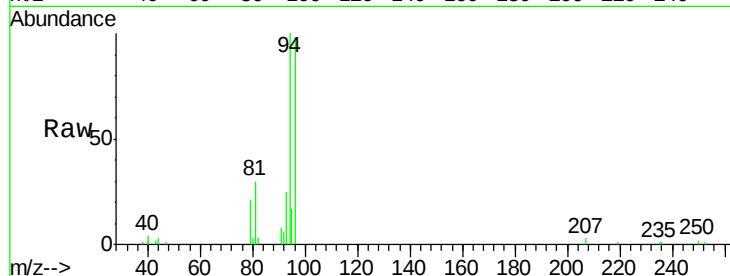
96 98.3 73.8 110.6

Manual Integrations

APPROVED

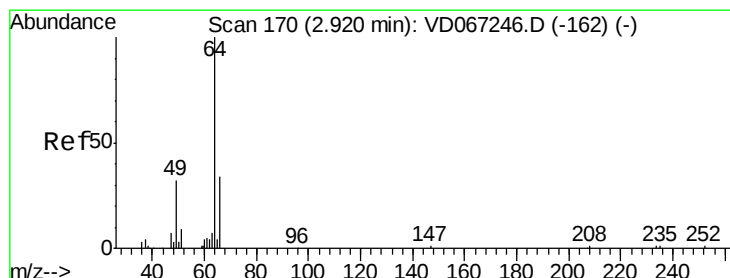
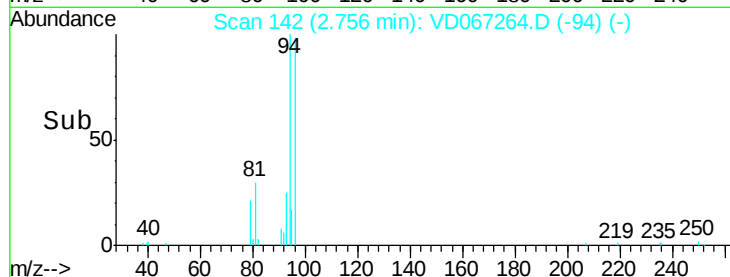
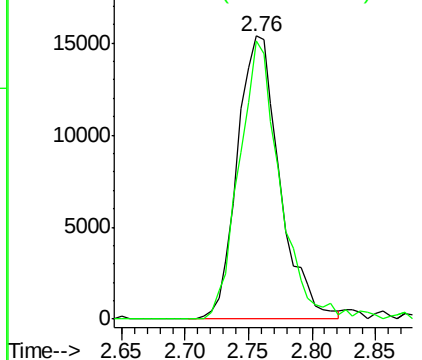
MMDadoda

10/15/2020 12:18:46 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.533 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067264.D

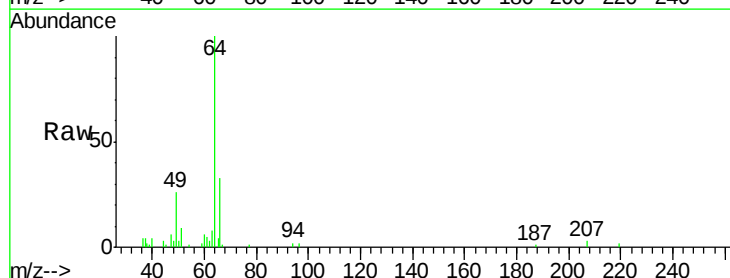
Acq: 14 Oct 2020 12:05

Tgt Ion: 64 Resp: 29689

Ion Ratio Lower Upper

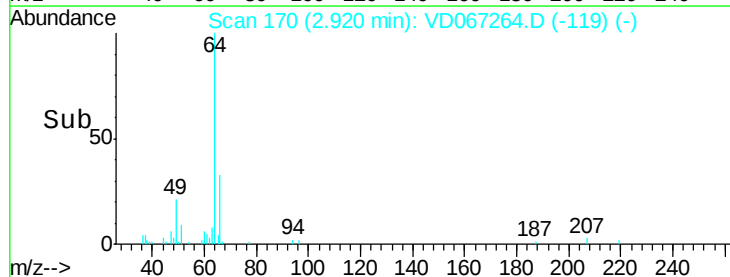
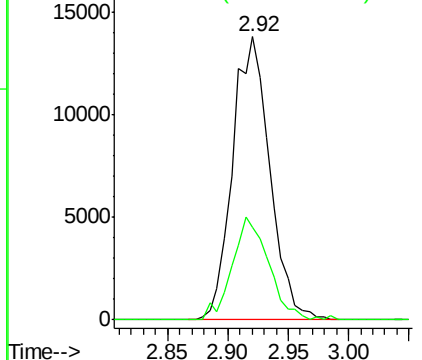
64 100

66 32.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

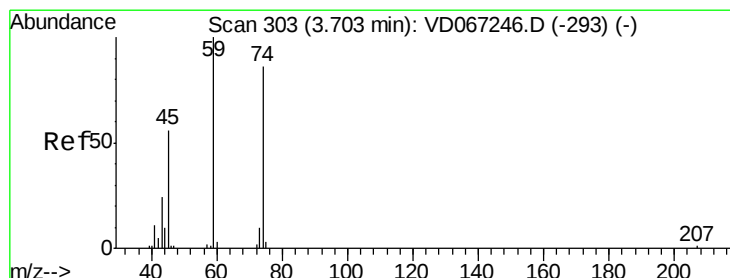
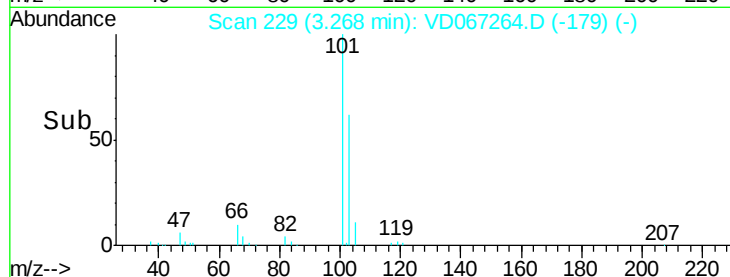
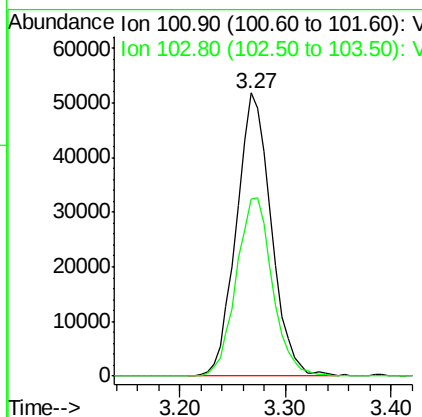
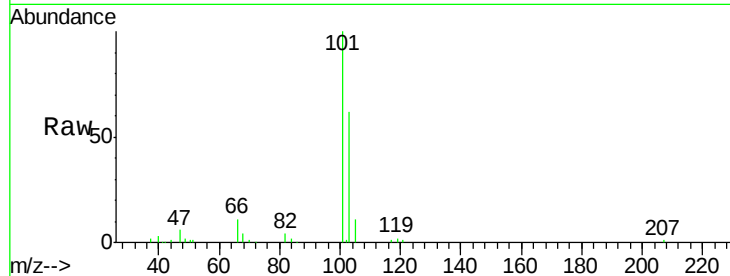
Trichlorofluoromethane
Concen: 20.256 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	118421		
103	62.4	53.1	79.7	

Manual Integrations
APPROVED

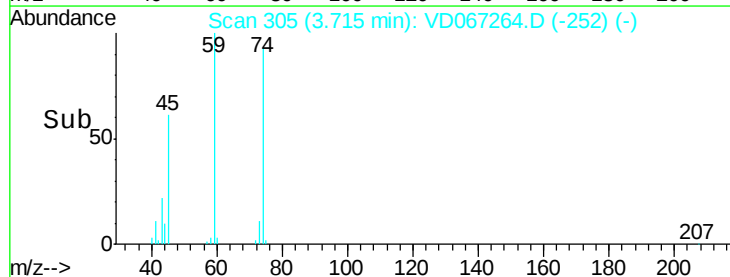
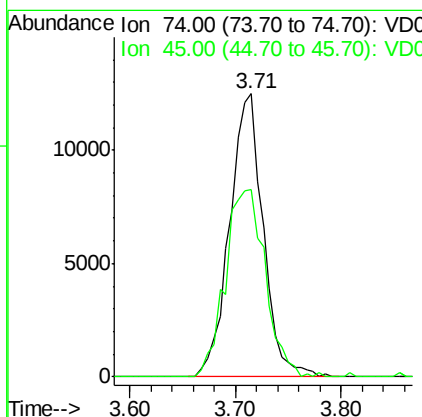
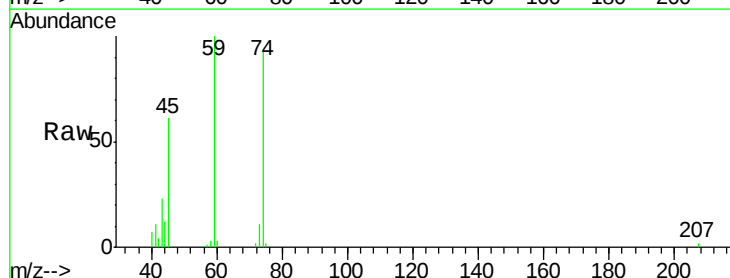
MMDadoda
10/15/2020 12:18:46 PM

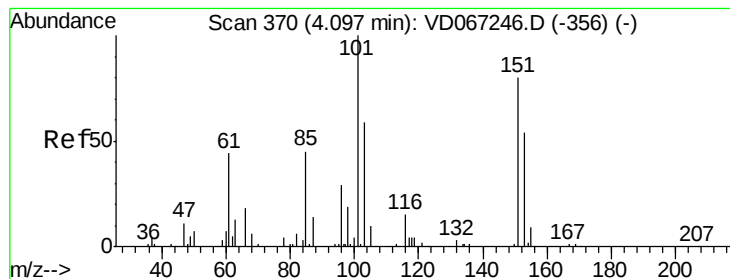


#8

Diethyl Ether
Concen: 20.508 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27435		
45	78.8	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.003 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

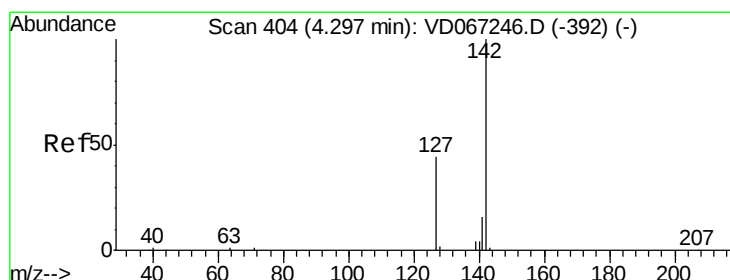
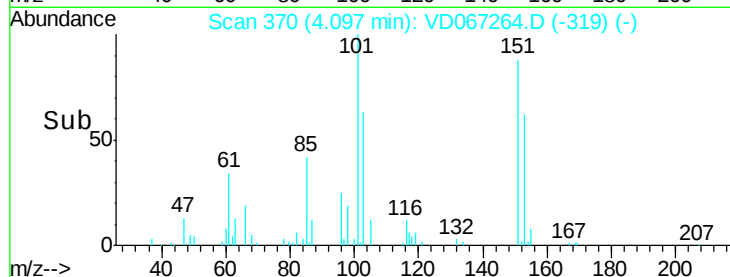
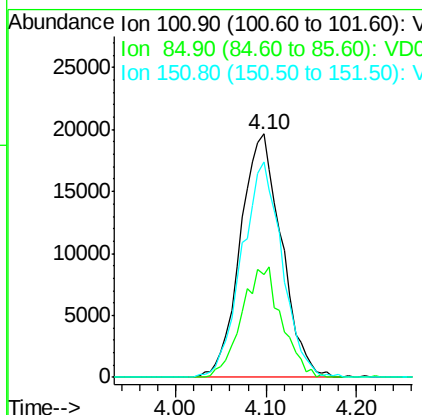
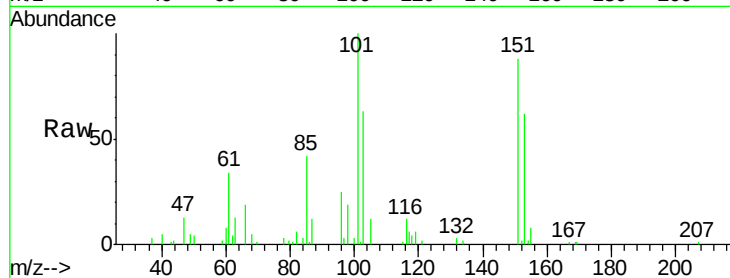
ClientSampleId :

VD1014SBSD01

Tot Ion:	101	Resp:	62132
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	86.7	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM



#10

Methyl Iodide

Concen: 19.674 ug/l

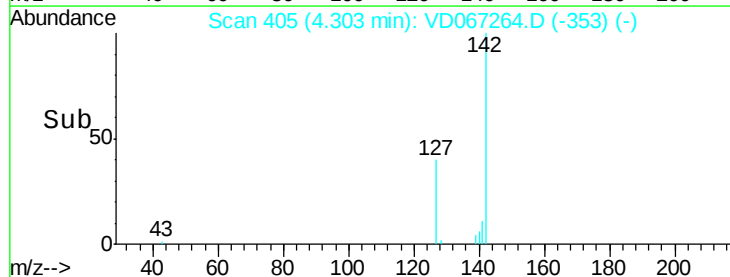
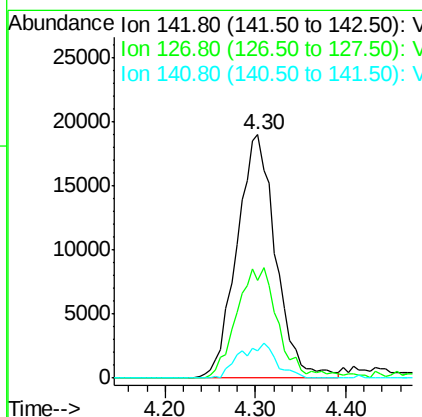
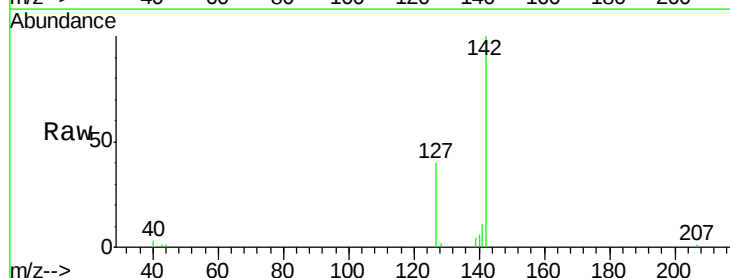
RT: 4.30 min Scan# 405

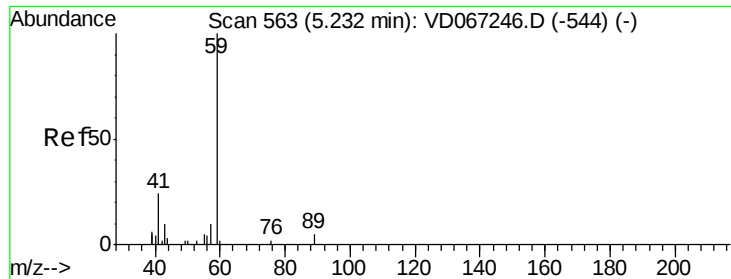
Delta R.T. 0.01 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Tgt Ion:	142	Resp:	56371
Ion Ratio	Lower	Upper	
142	100		
127	46.7	38.4	57.6
141	13.5	11.6	17.4





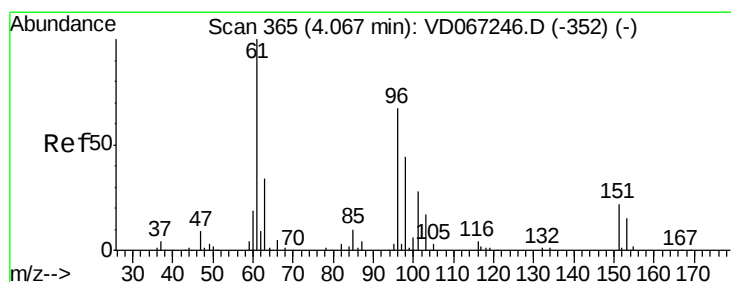
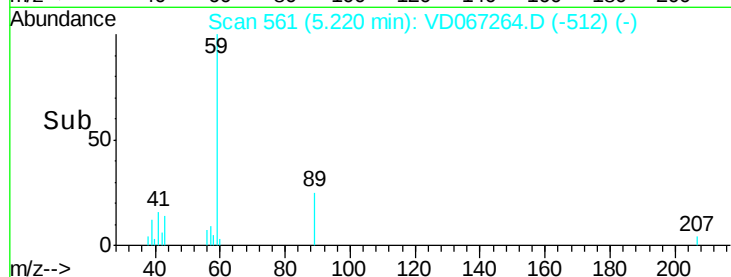
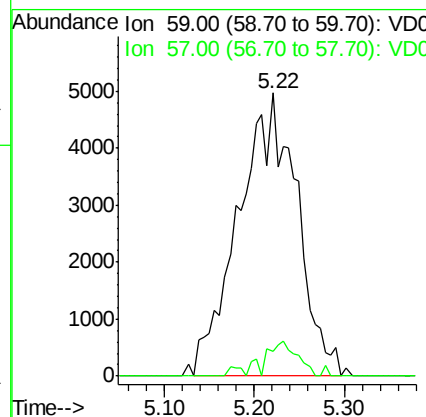
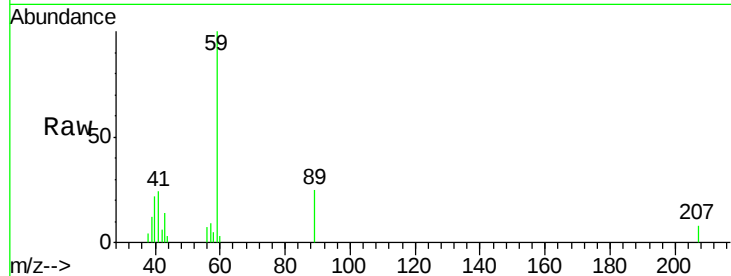
#11
Tert butyl alcohol
Concen: 100.746 ug/l m
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion: 59 Resp: 22411
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

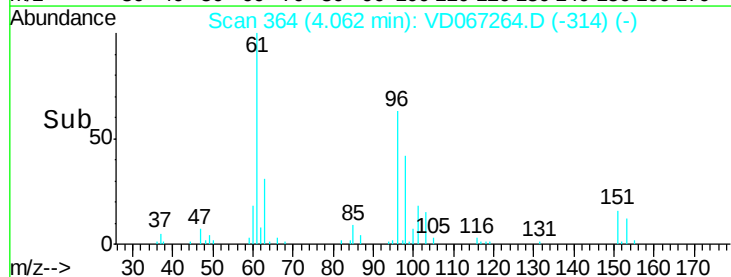
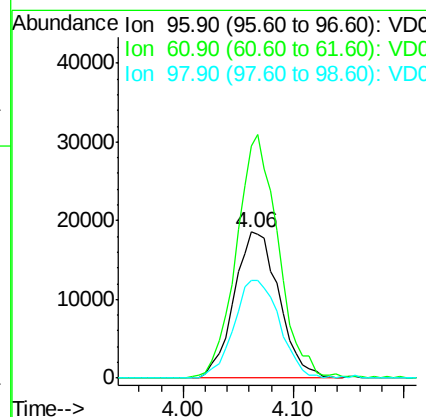
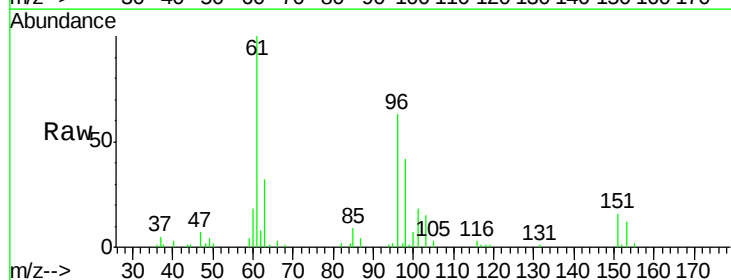
Manual Integrations
APPROVED

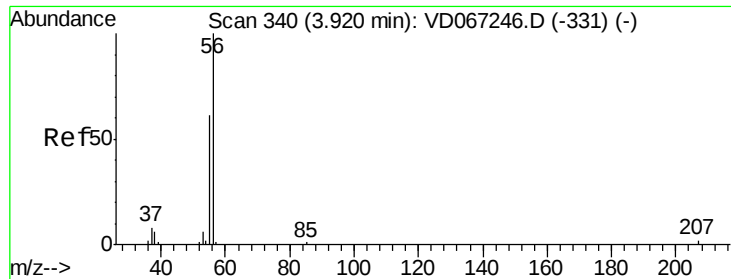
MMDadoda
10/15/2020 12:18:46 PM



#12
1,1-Dichloroethene
Concen: 19.091 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion: 96 Resp: 52975
Ion Ratio Lower Upper
96 100
61 158.0 118.6 177.8
98 67.1 51.8 77.6





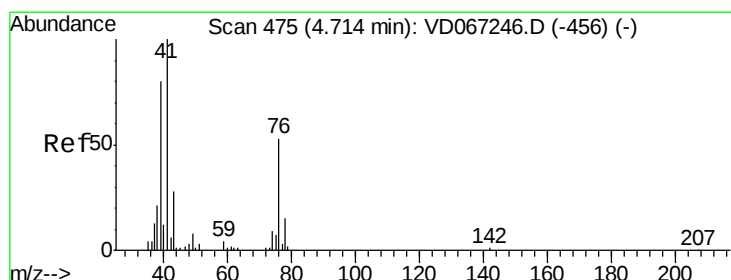
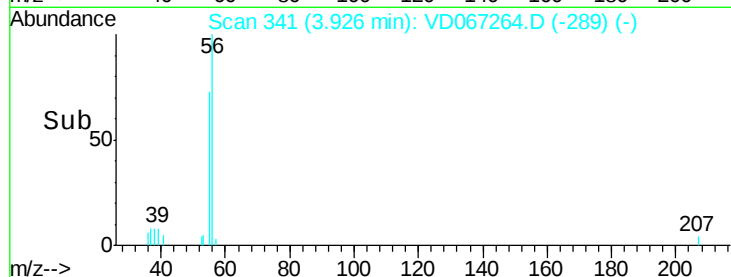
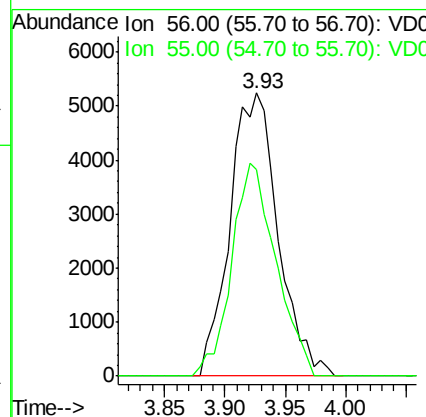
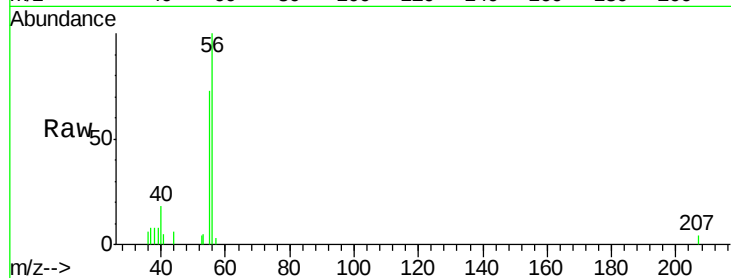
#13
 Acrolein
 Concen: 87.629 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	56	Resp	14540
Ion Ratio	100	Lower	Upper
55	69.1	56.0	84.0

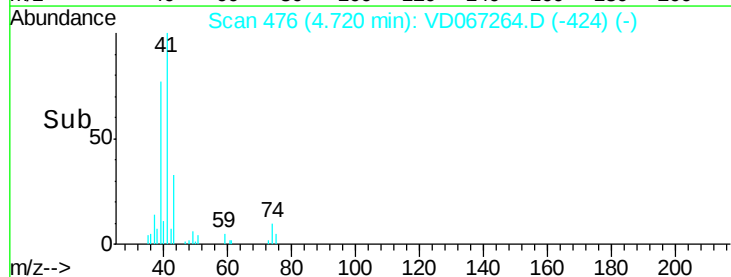
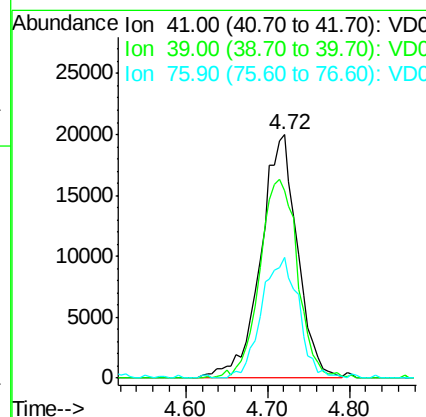
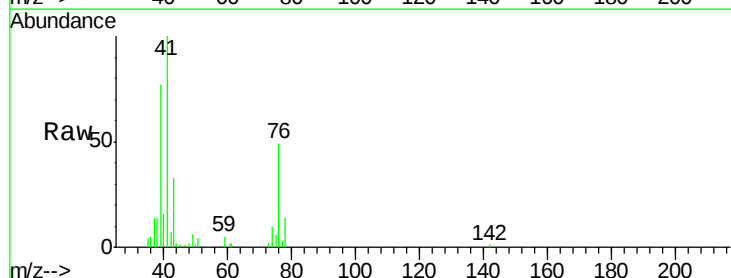
Manual Integrations
 APPROVED

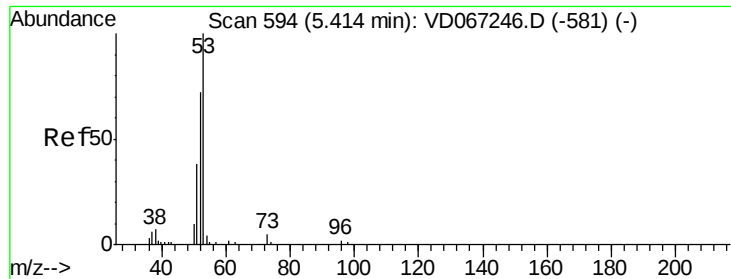
MMDadoda
 10/15/2020 12:18:46 PM



#14
 Allyl chloride
 Concen: 19.652 ug/l
 RT: 4.72 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	41	Resp	62449
Ion Ratio	100	Lower	Upper
39	84.2	63.8	95.6
76	49.9	40.4	60.6





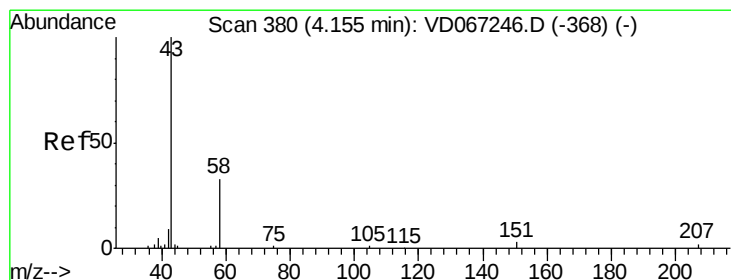
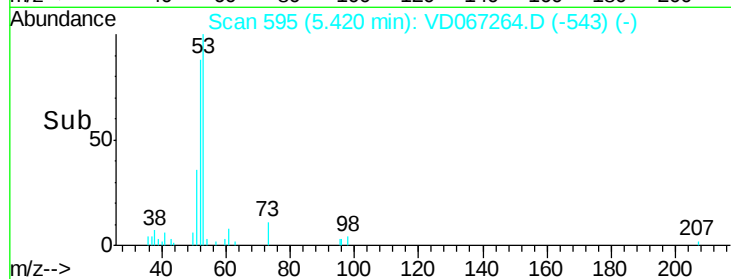
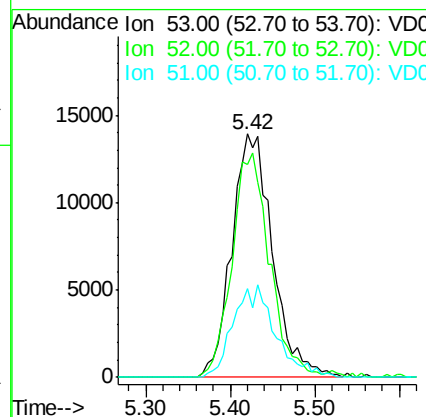
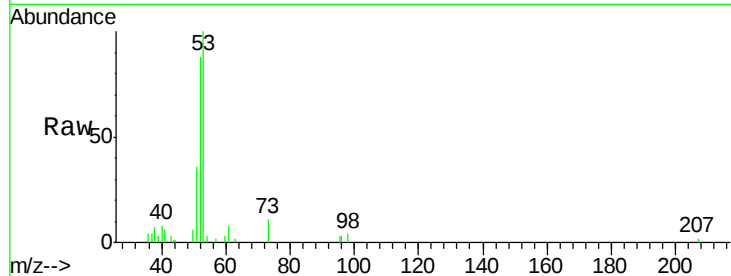
#15
Acrylonitrile
Concen: 104.079 ug/l
RT: 5.42 min Scan# 595
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.6	98.4
51	19.1	30.8	46.2

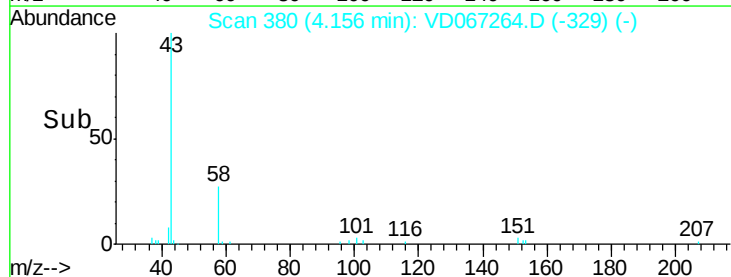
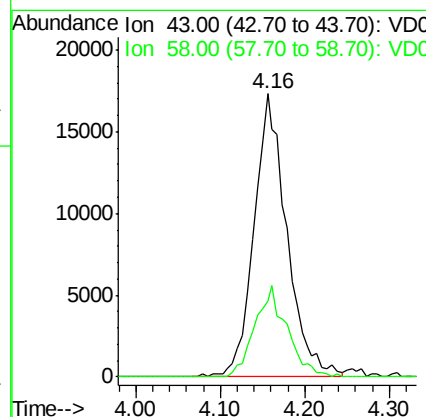
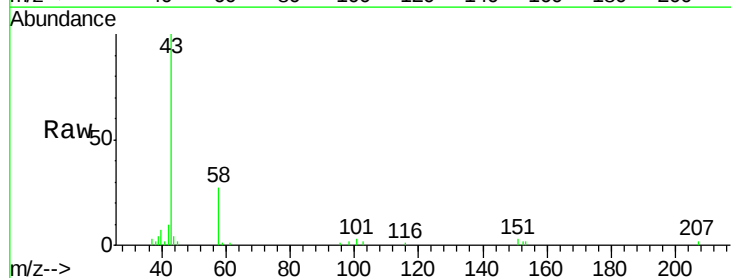
Manual Integrations
APPROVED

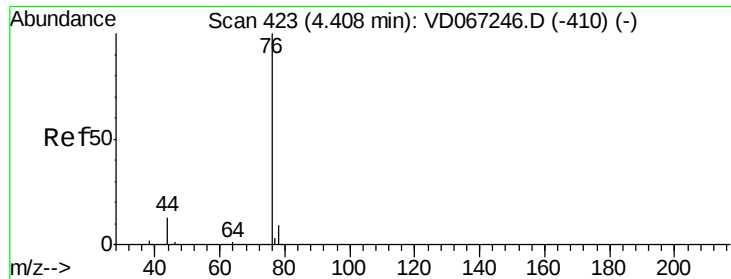
MMDadoda
10/15/2020 12:18:46 PM



#16
Acetone
Concen: 99.382 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	26.1	39.1





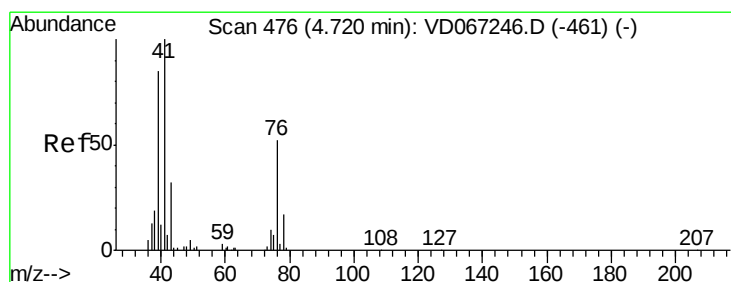
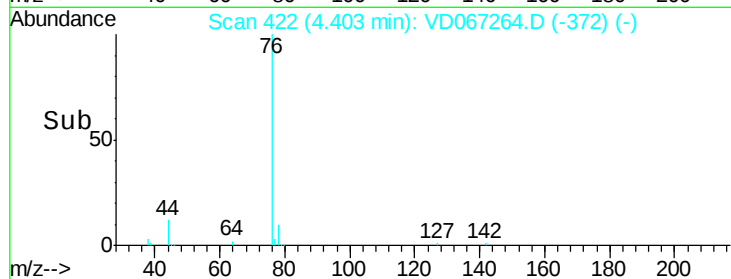
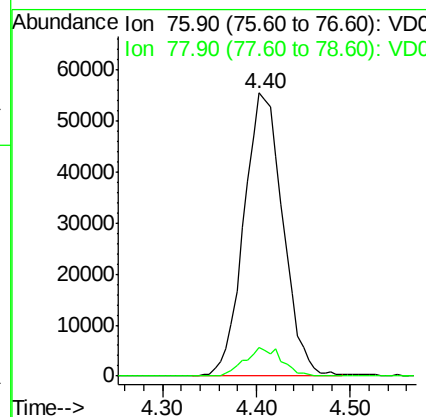
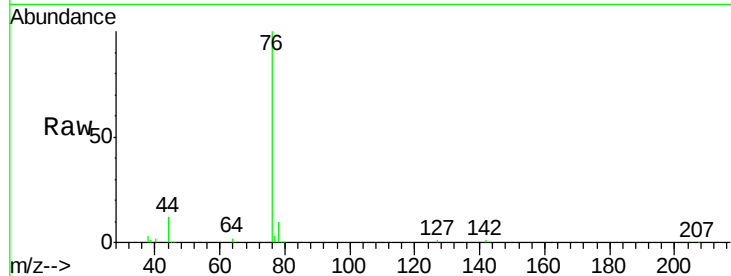
#17
Carbon Disulfide
Concen: 20.171 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.4	11.0

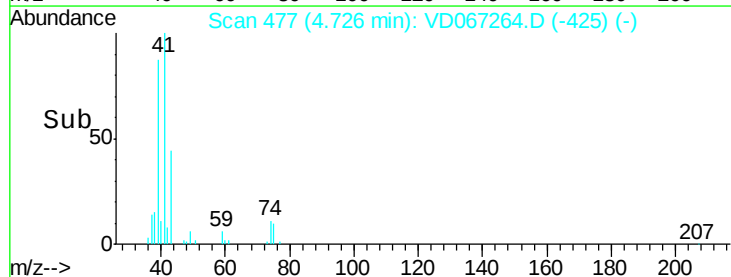
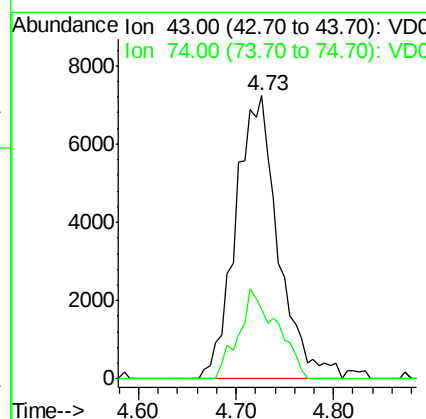
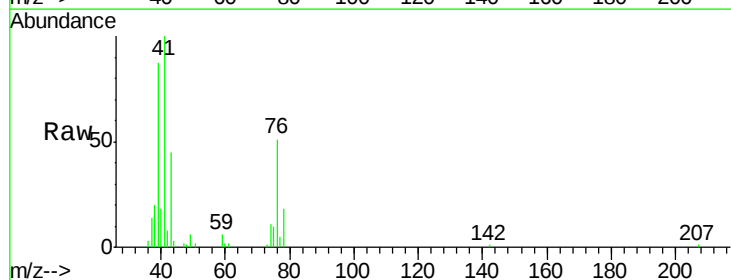
Manual Integrations
APPROVED

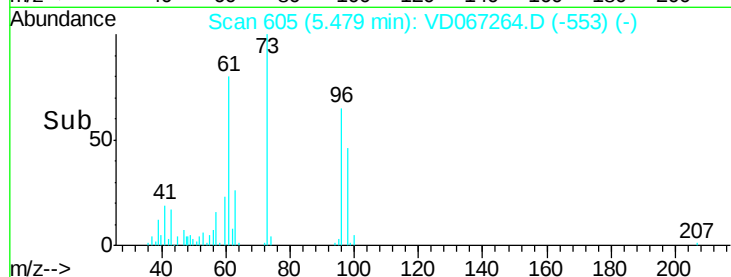
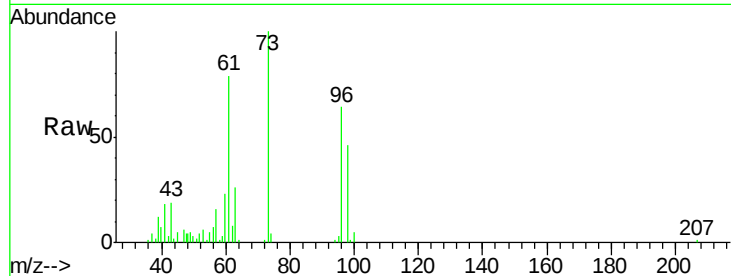
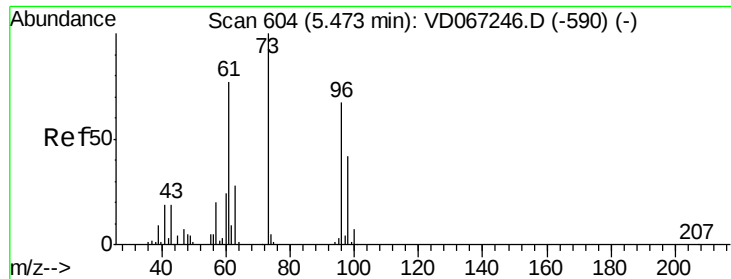
MMDadoda
10/15/2020 12:18:46 PM



#18
Methyl Acetate
Concen: 20.485 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	26.6	39.8





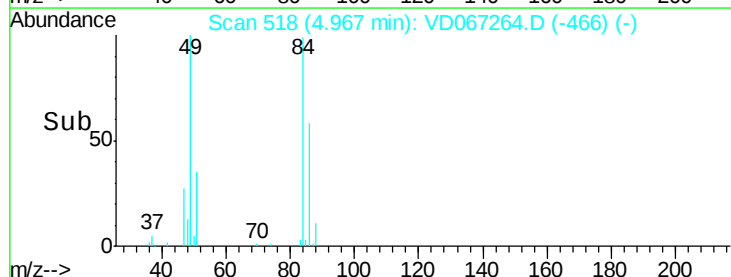
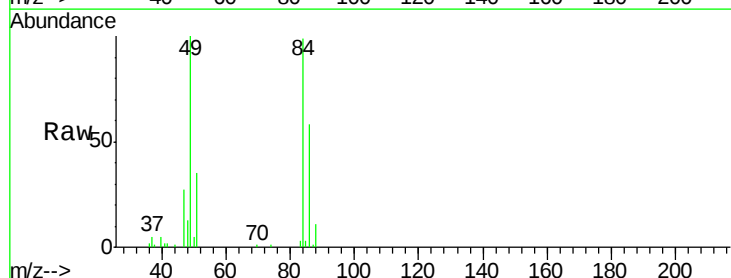
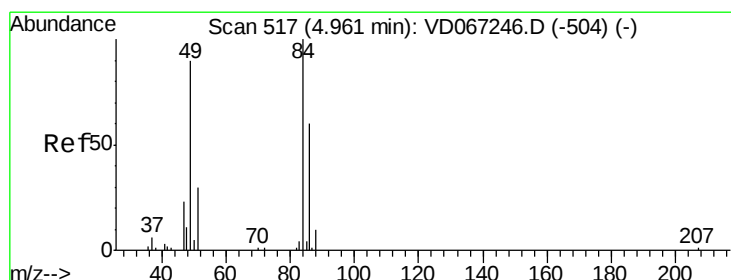
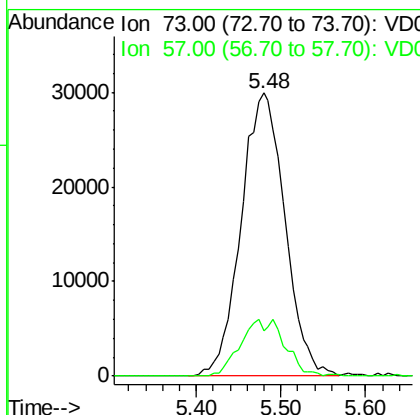
#19
Methvl tert-butvl Ether
Concen: 19.504 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tot Ion: 73 Resp: 107618
Ion Ratio Lower Upper
73 100
57 16.2 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

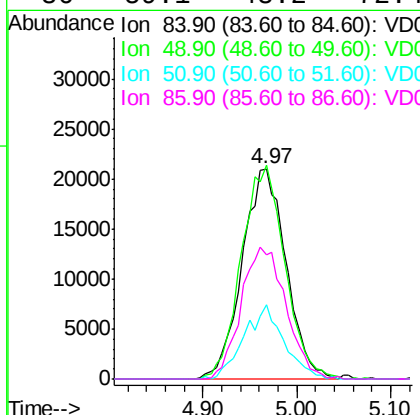
Manual Integrations
APPROVED

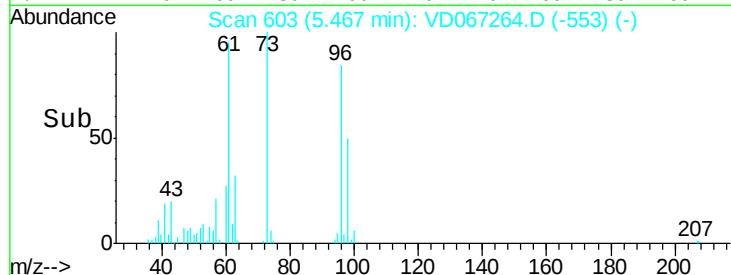
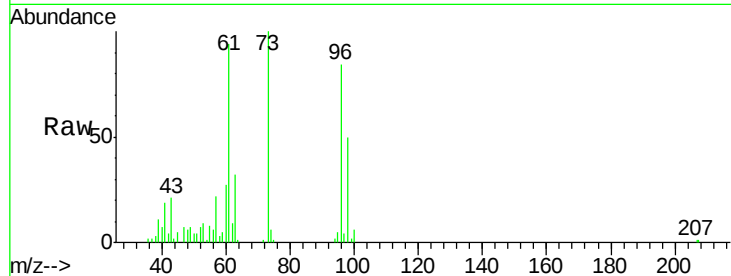
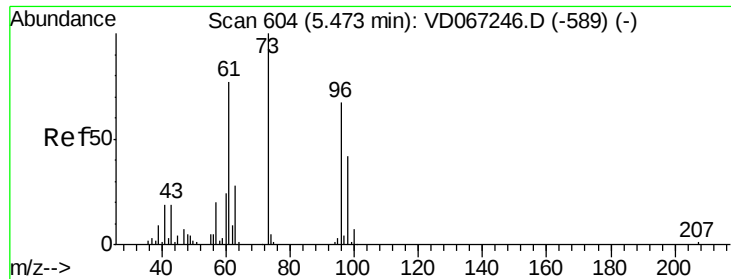
MMDadoda
10/15/2020 12:18:46 PM



#20
Methylene Chloride
Concen: 19.693 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion: 84 Resp: 67731
Ion Ratio Lower Upper
84 100
49 101.5 72.2 108.2
51 35.1 23.8 35.8
86 59.1 48.2 72.4





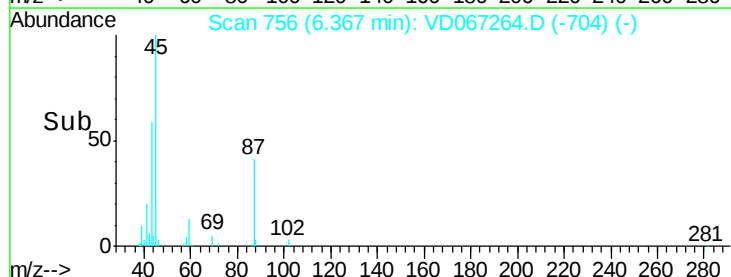
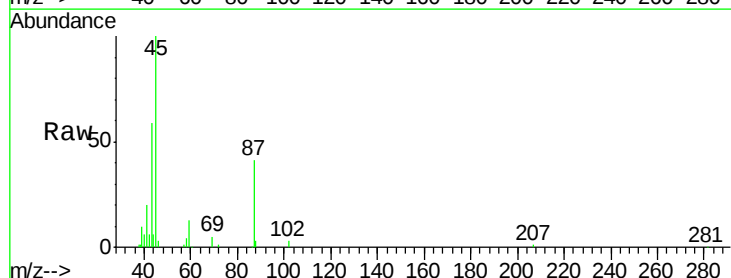
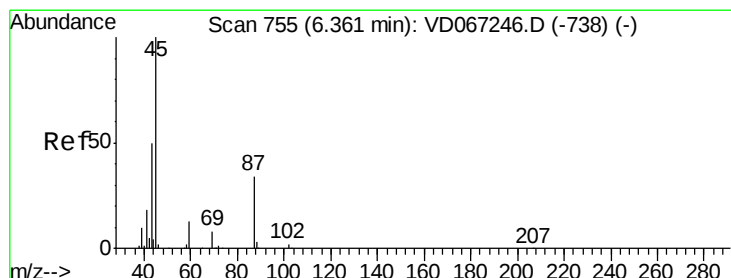
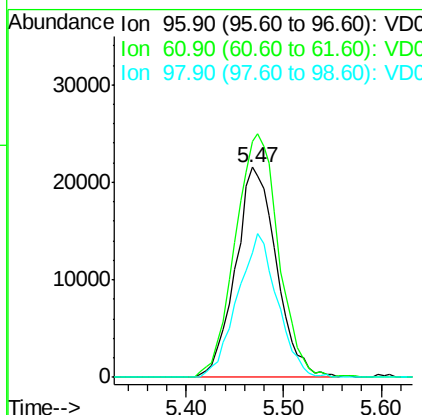
#21
trans-1,2-Dichloroethene
Concen: 19.800 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63226		
61	112.1		92.0	138.0
98	59.6		49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

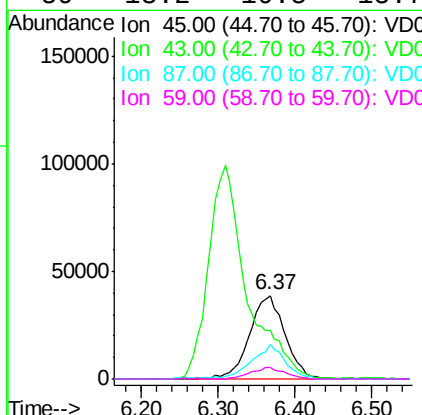
Manual Integrations
APPROVED

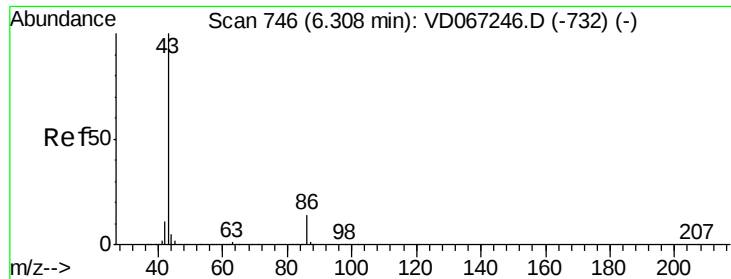
MMDadoda
10/15/2020 12:18:46 PM



#22
Diisopropyl ether
Concen: 21.470 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	124636		
43	58.0		48.0	72.0
87	41.0		28.5	42.7
59	13.2		10.5	15.7





#23

Vinyl Acetate

Concen: 103.562 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 43 Resp: 342027

Ion Ratio Lower Upper

43 100

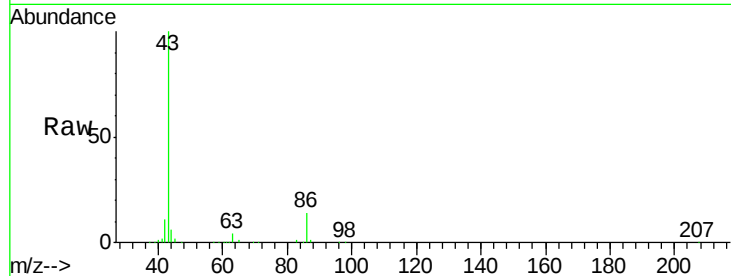
86 14.1 11.0 16.6

Manual Integrations

APPROVED

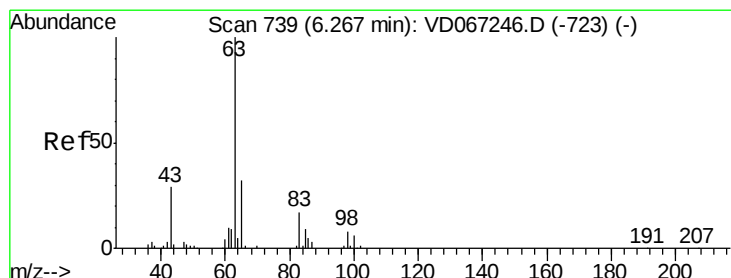
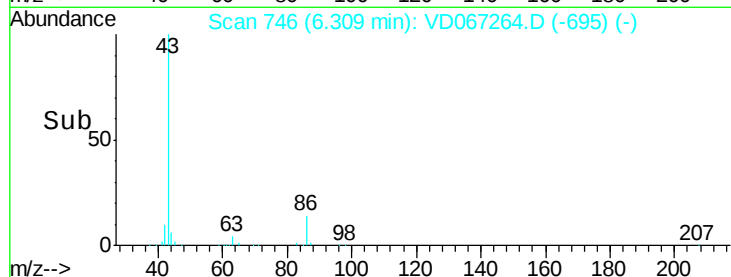
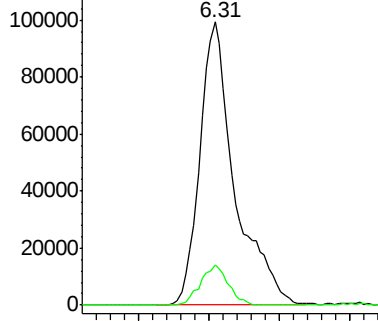
MMDadoda

10/15/2020 12:18:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.637 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

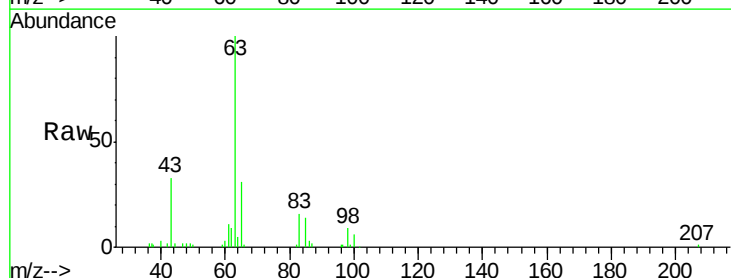
Tgt Ion: 63 Resp: 102548

Ion Ratio Lower Upper

63 100

98 9.1 4.0 12.2

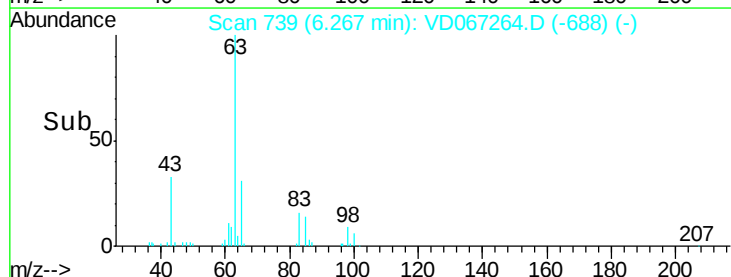
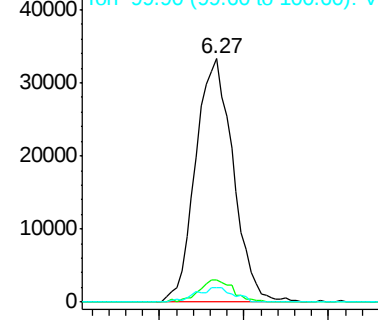
100 6.1 2.8 8.4

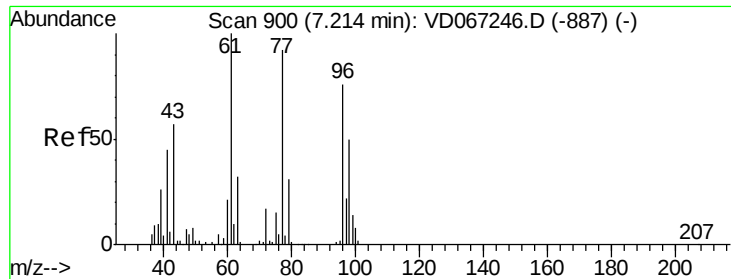


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





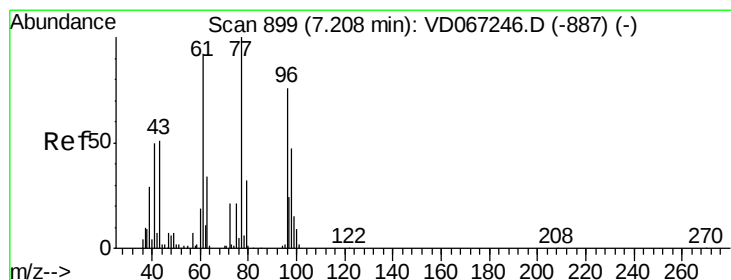
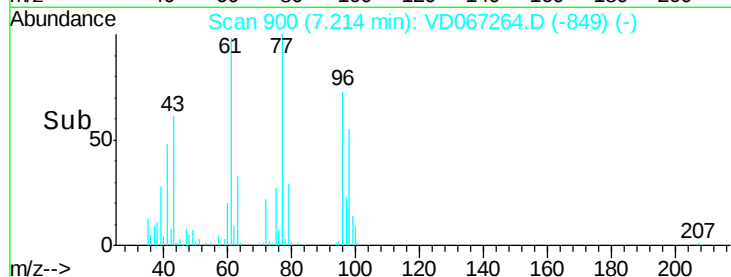
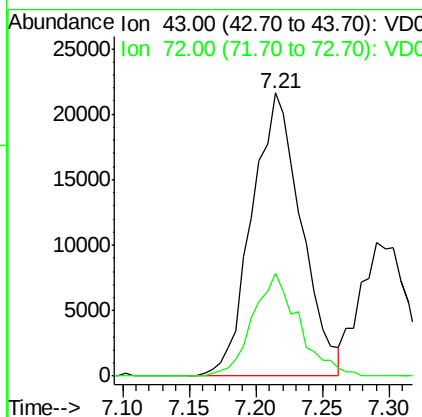
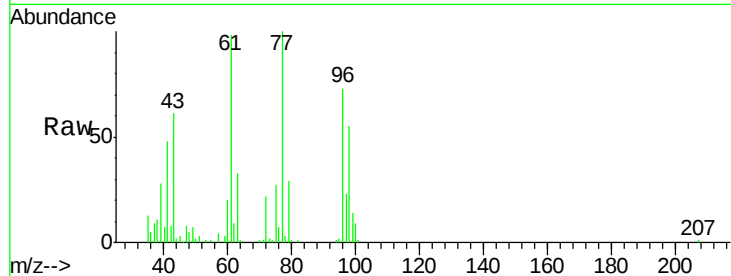
#25
2-Butanone
Concen: 103.632 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion: 43 Resp: 55728
Ion Ratio Lower Upper
43 100
72 36.3 23.7 35.5#

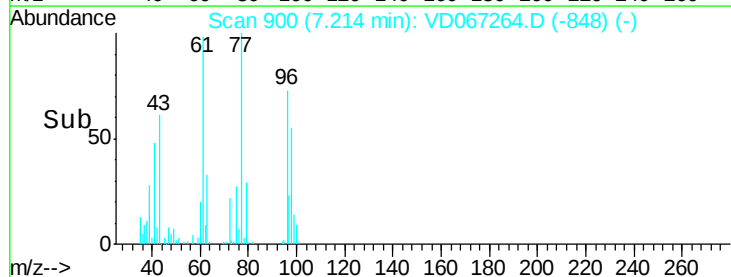
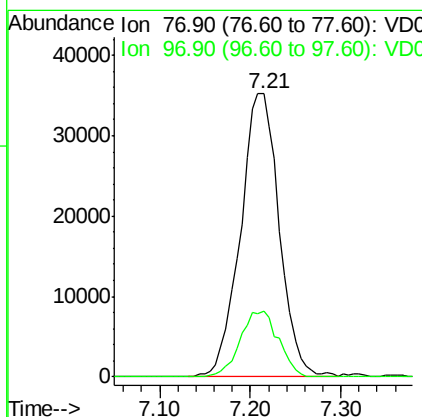
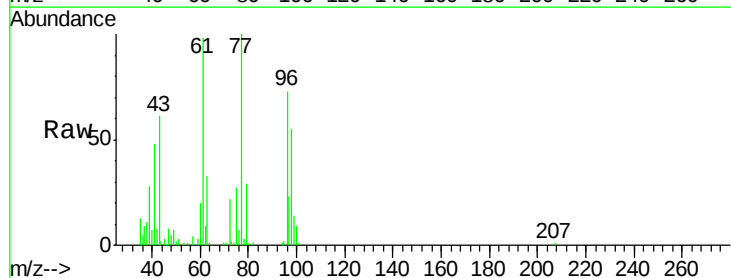
Manual Integrations
APPROVED

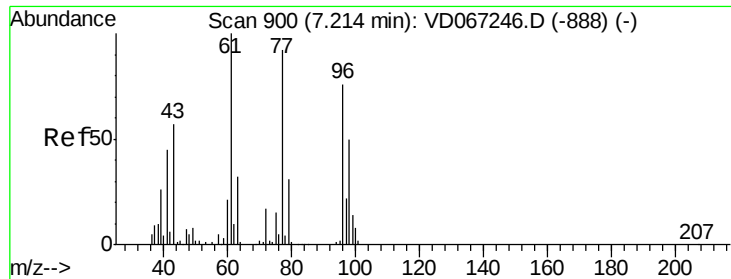
MMDadoda
10/15/2020 12:18:46 PM



#26
2,2-Dichloropropane
Concen: 20.377 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion: 77 Resp: 104369
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

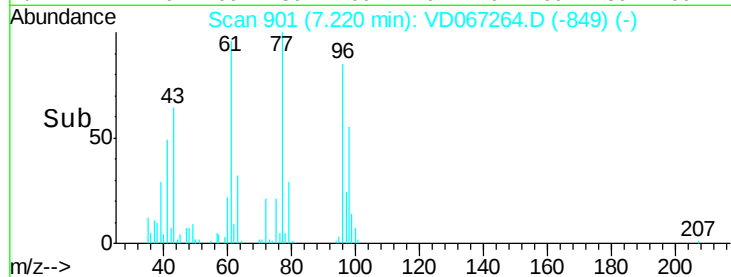
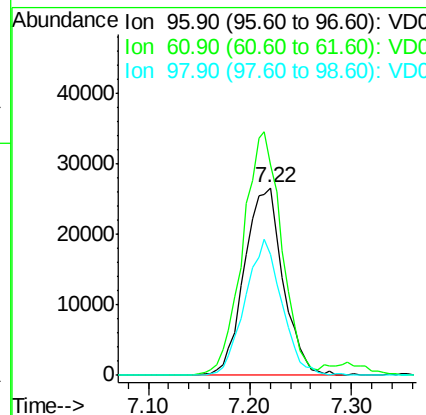
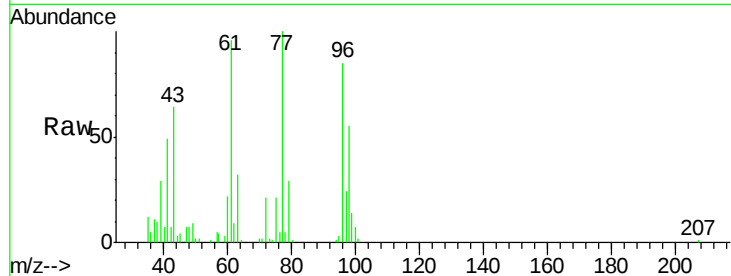
cis-1,2-Dichloroethene
Concen: 20.127 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	255.4
98	68.6	0.0	128.0

Manual Integrations
APPROVED

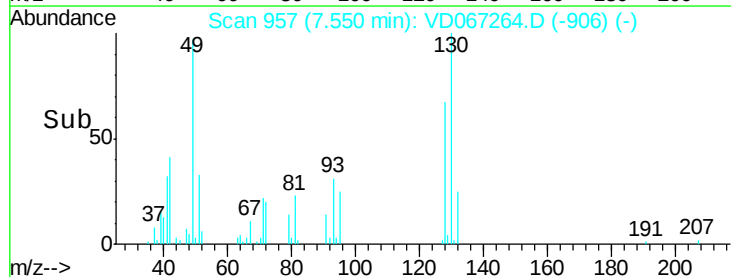
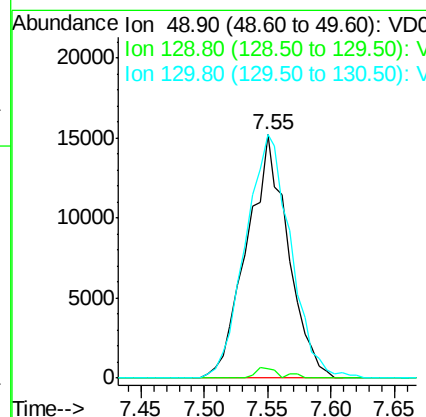
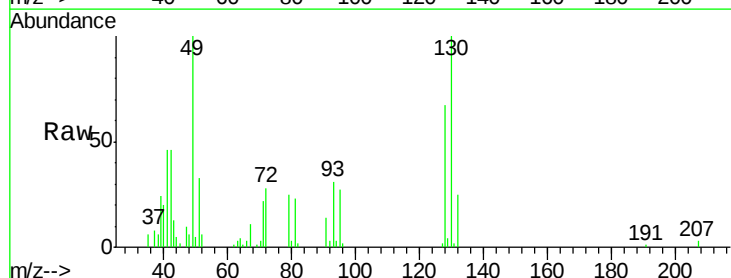
MMDadoda
10/15/2020 12:18:46 PM

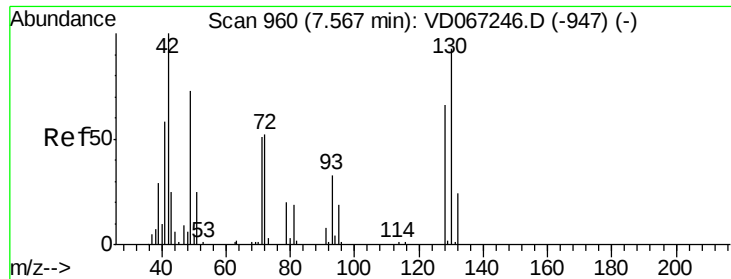


#28

Bromochloromethane
Concen: 20.240 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	1.6#
130	110.2	91.0	136.6





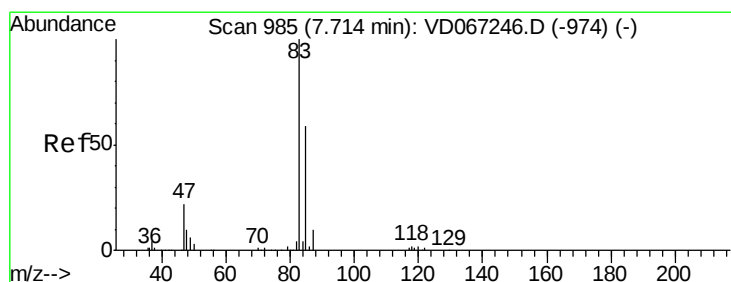
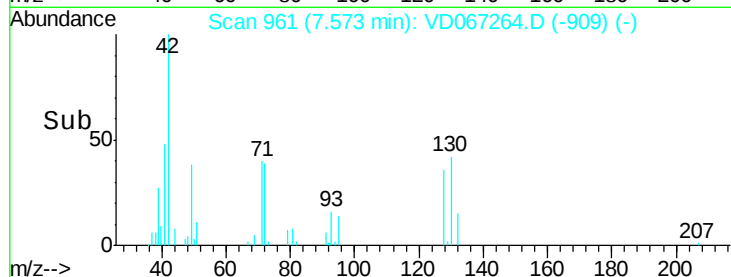
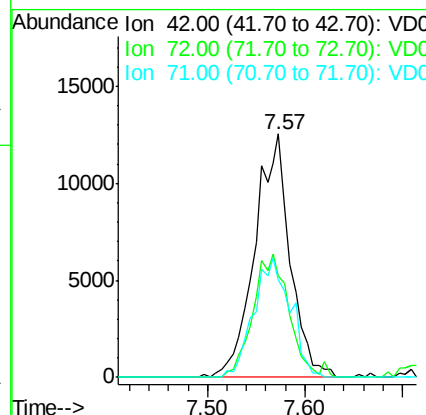
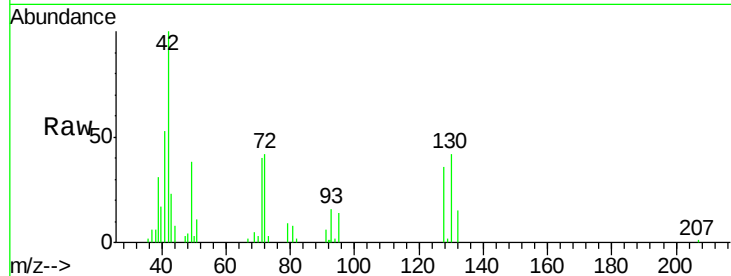
#29
Tetrahydrofuran
Concen: 106.579 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	43.2	64.8
71	51.0	39.4	59.0

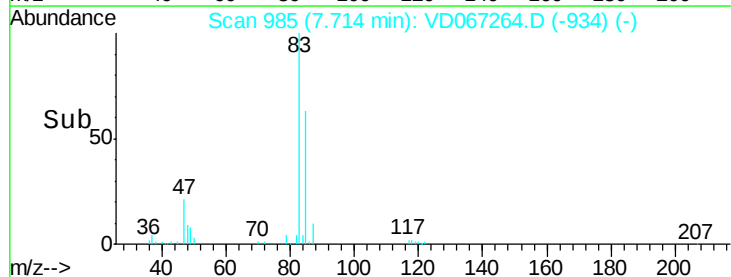
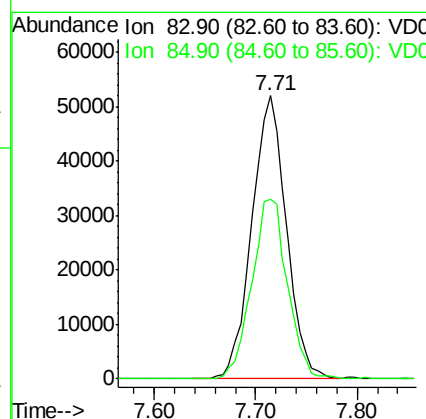
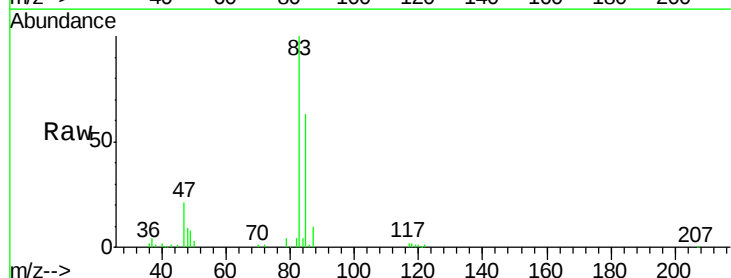
Manual Integrations
APPROVED

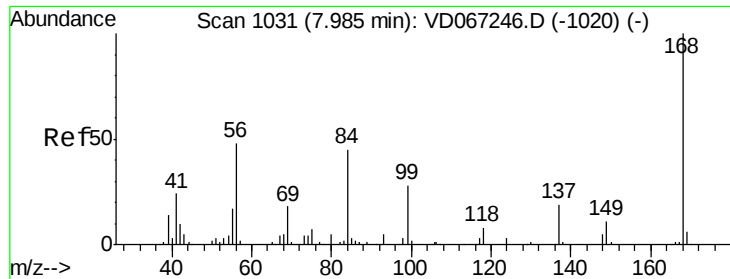
MMDadoda
10/15/2020 12:18:46 PM



#30
Chloroform
Concen: 20.800 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	47.3	70.9





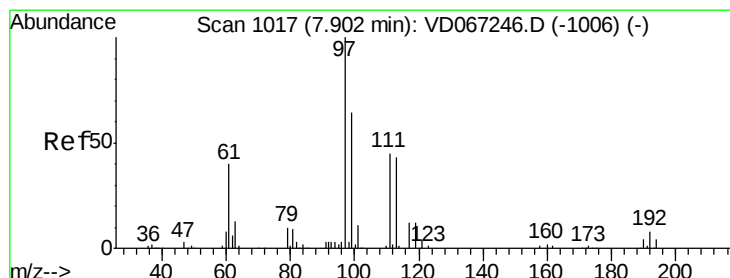
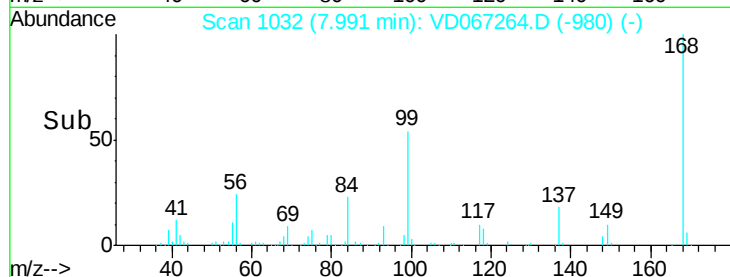
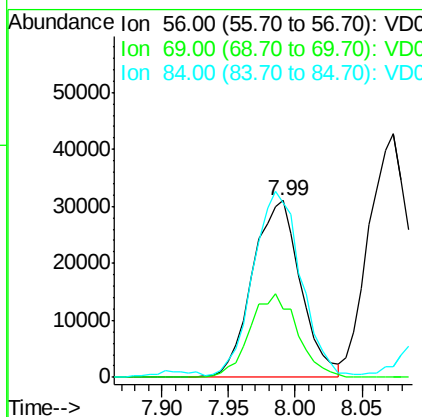
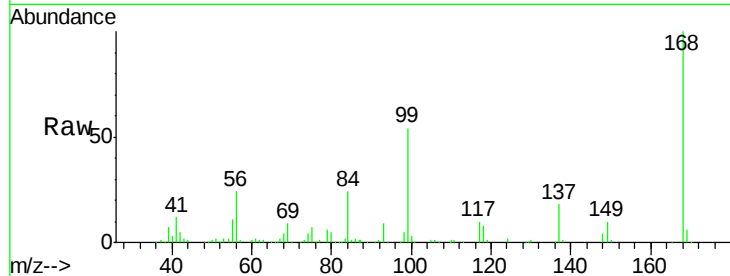
#31
Cyclohexane
Concen: 20.094 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	29.8	44.6
84	95.9	76.6	114.8

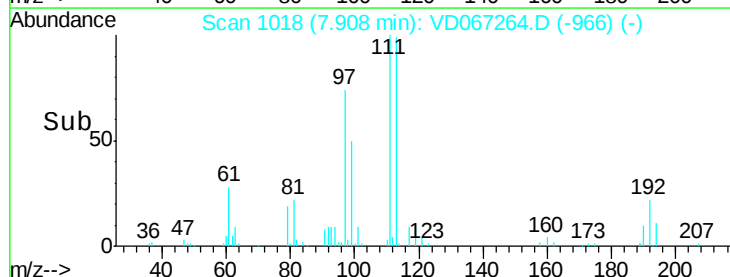
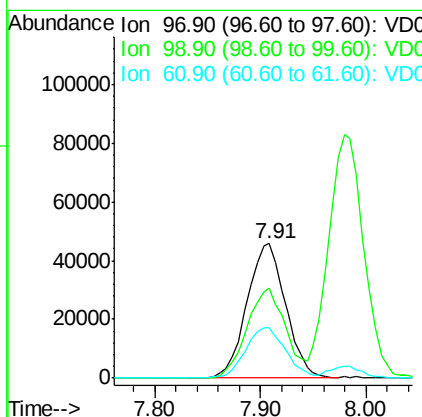
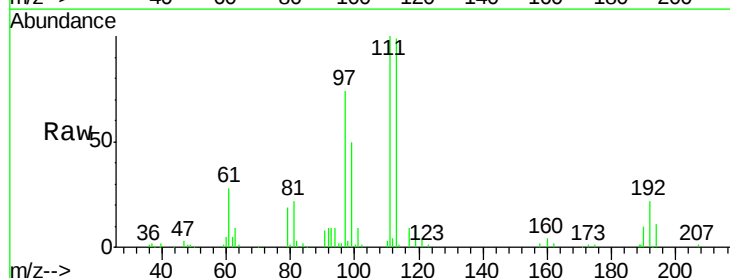
Manual Integrations
APPROVED

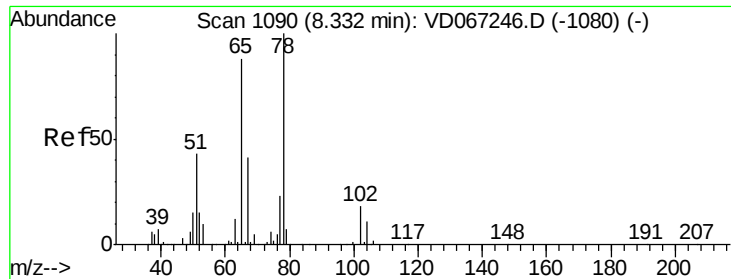
MMDadoda
10/15/2020 12:18:46 PM



#32
1,1,1-Trichloroethane
Concen: 19.961 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.5	50.2	75.4
61	38.8	30.5	45.7





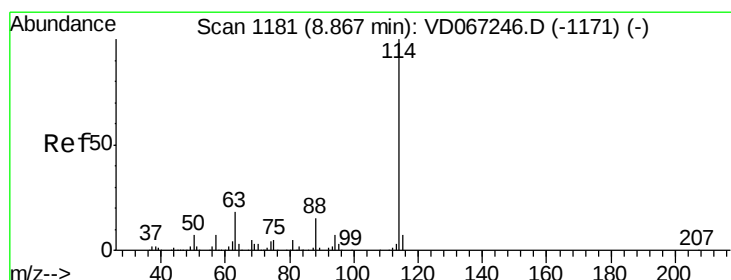
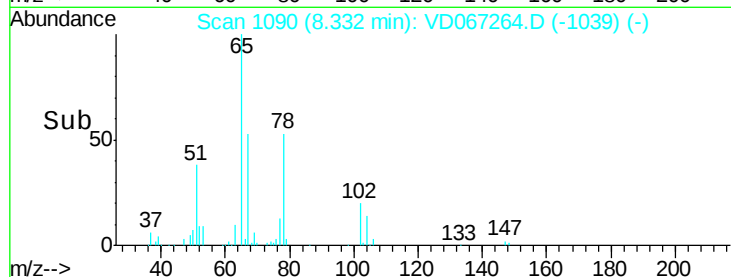
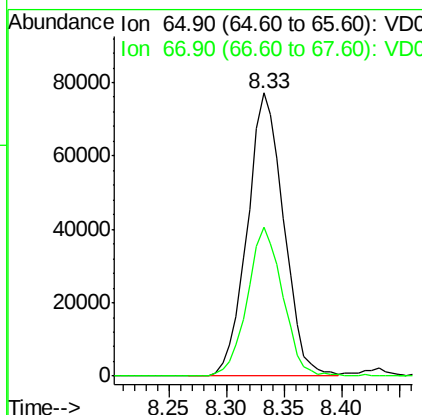
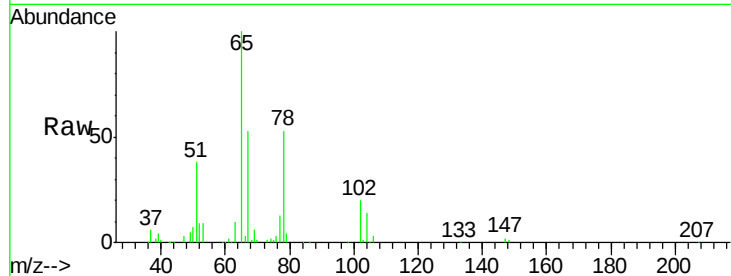
#33
 1,2-Dichloroethane-d4
 Concen: 50.320 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169500		
67	51.3	0.0	103.8	

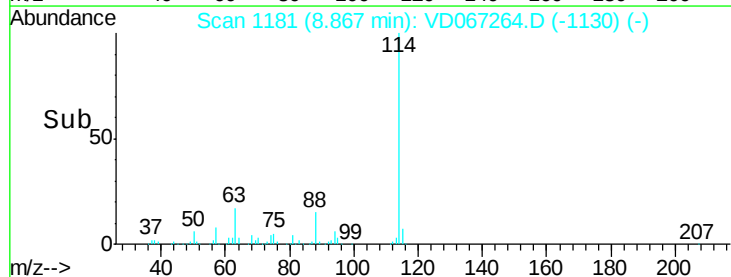
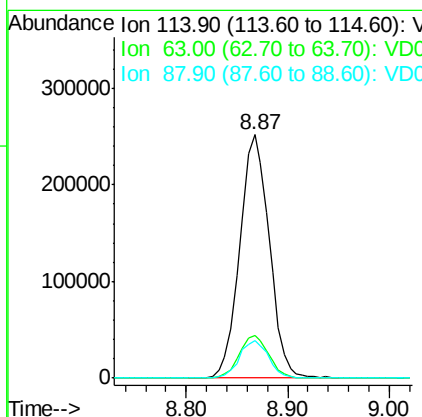
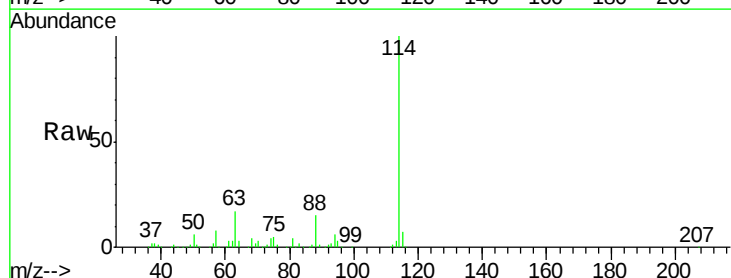
Manual Integrations
 APPROVED

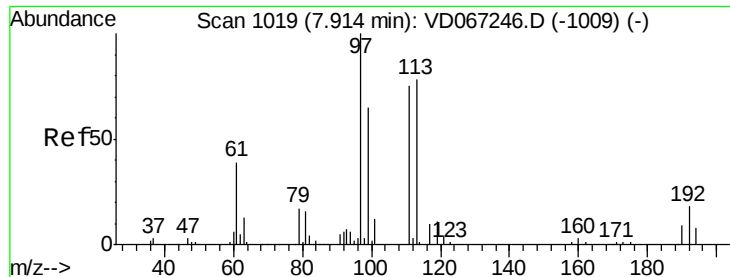
MMDadoda
 10/15/2020 12:18:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	508927		
63	17.4	0.0	35.0	
88	15.5	0.0	30.6	





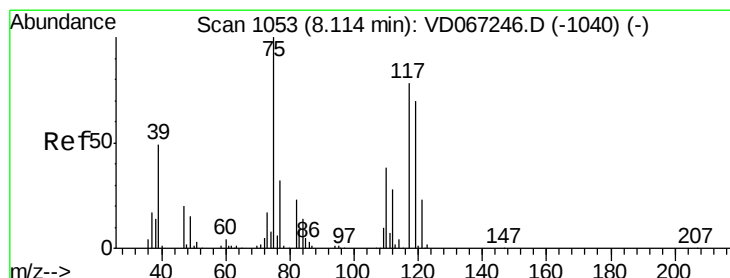
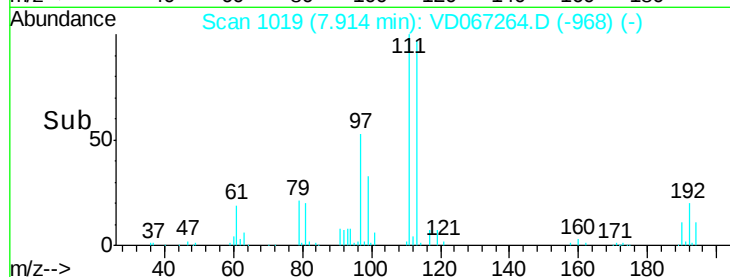
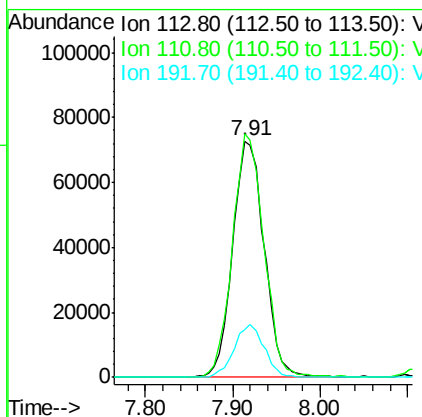
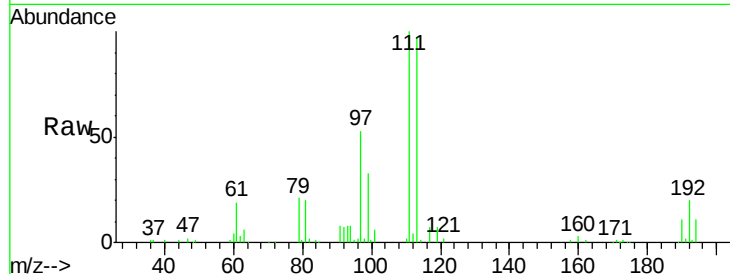
#35
 Dibromofluoromethane
 Concen: 52.408 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177503		
111	102.7	81.6	122.4	
192	21.1	17.0	25.4	

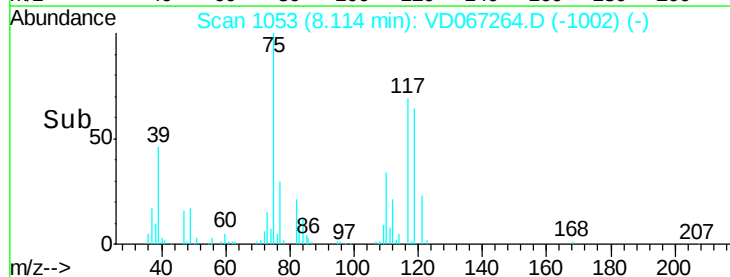
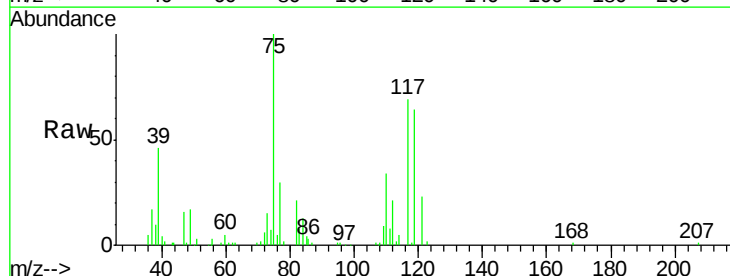
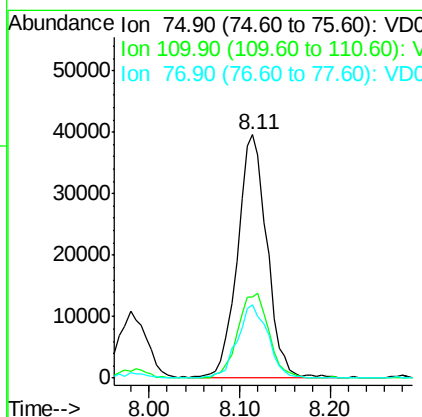
Manual Integrations
 APPROVED

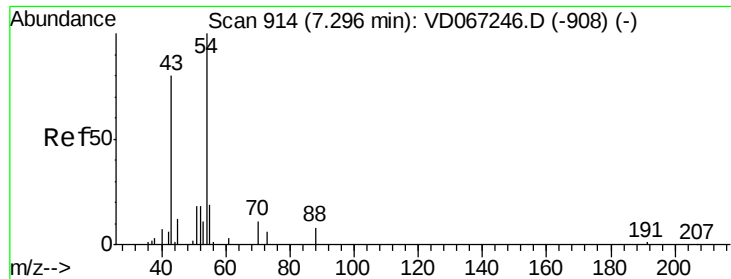
MMDadoda
 10/15/2020 12:18:46 PM



#36
 1,1-Dichloropropene
 Concen: 20.782 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89645		
110	36.7	19.6	58.7	
77	31.1	24.6	37.0	





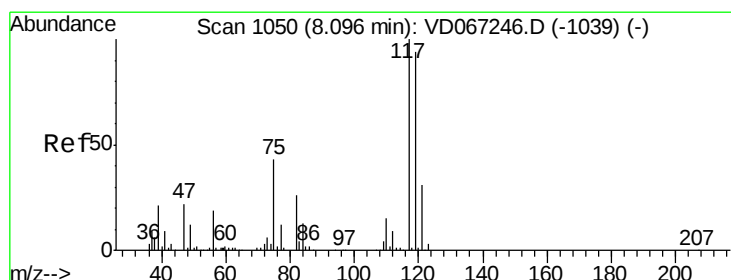
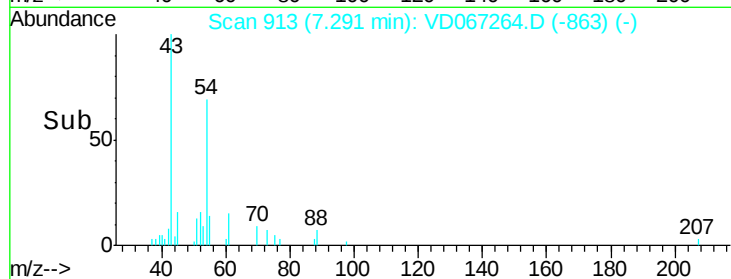
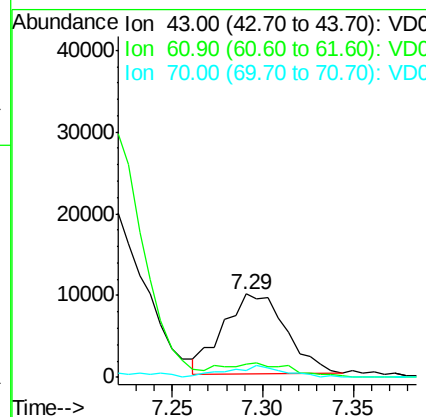
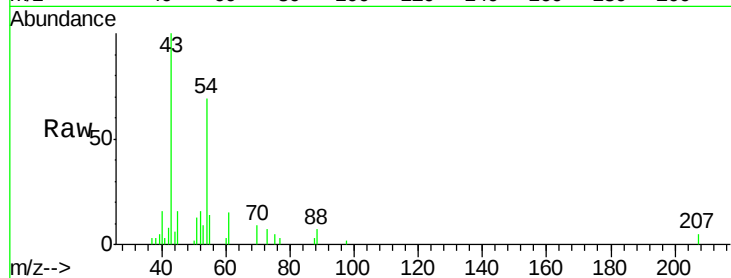
#37
Ethyl Acetate
Concen: 18.707 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleID :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.6	23.4
70	13.3	10.4	15.6

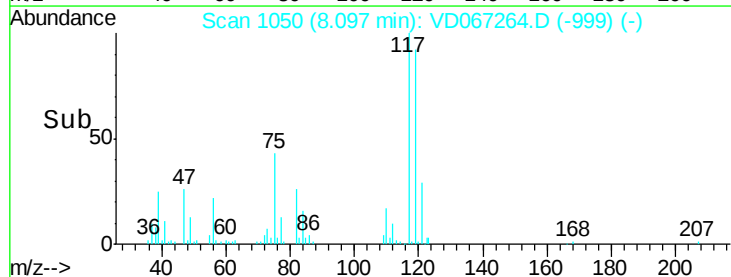
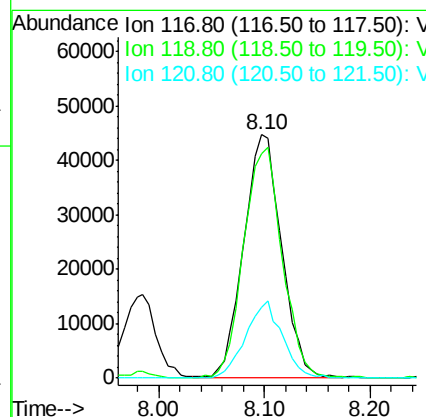
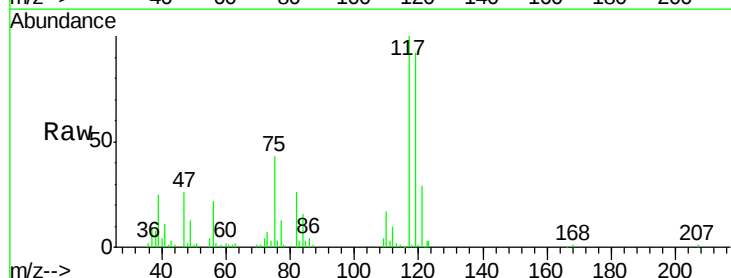
Manual Integrations
APPROVED

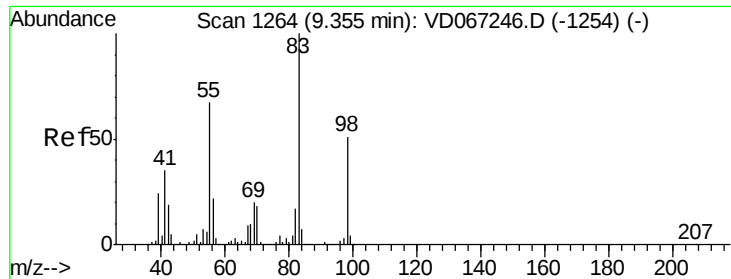
MMDadoda
10/15/2020 12:18:46 PM



#38
Carbon Tetrachloride
Concen: 20.082 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.0	112.4
121	29.3	24.9	37.3





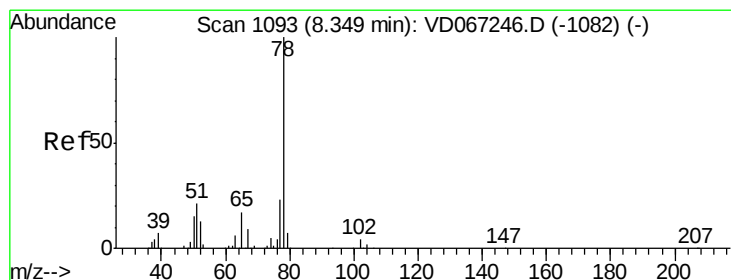
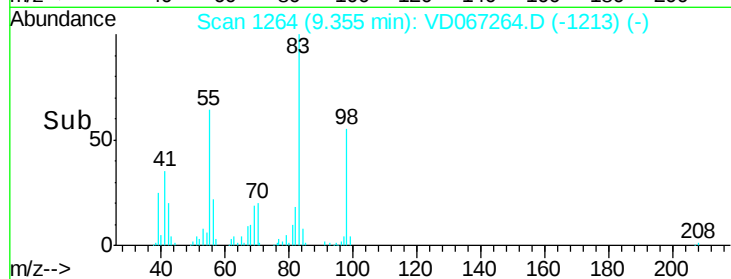
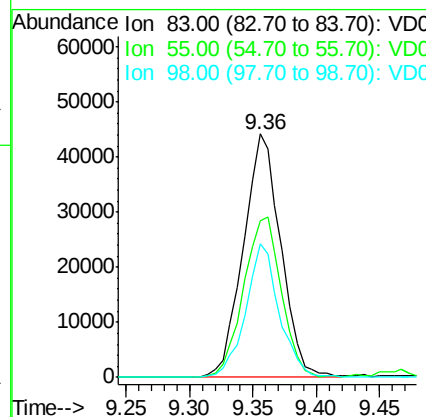
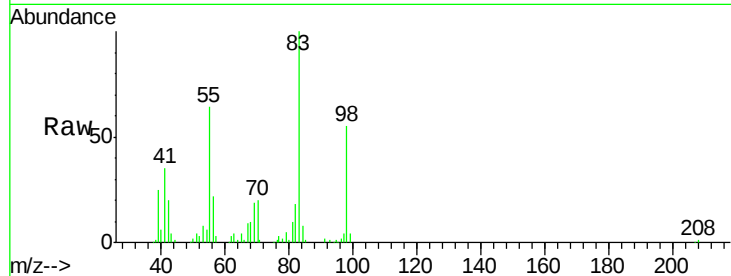
#39
Methvlcvclohexane
Concen: 20.124 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.2	53.3	79.9
98	55.1	41.0	61.4

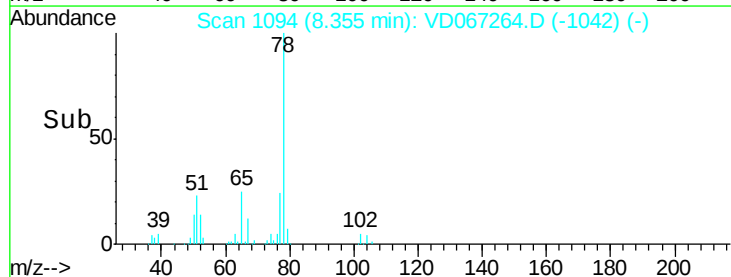
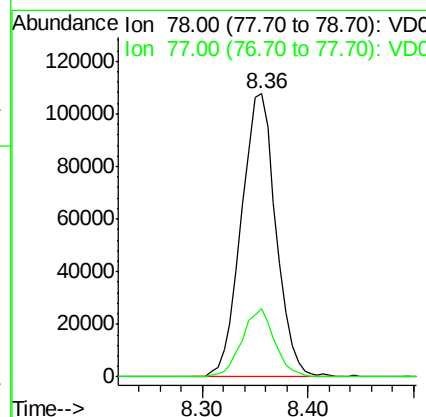
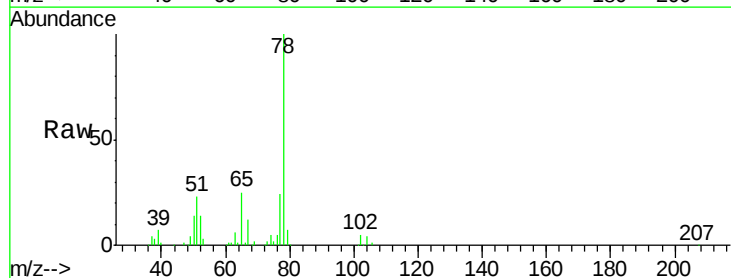
Manual Integrations
APPROVED

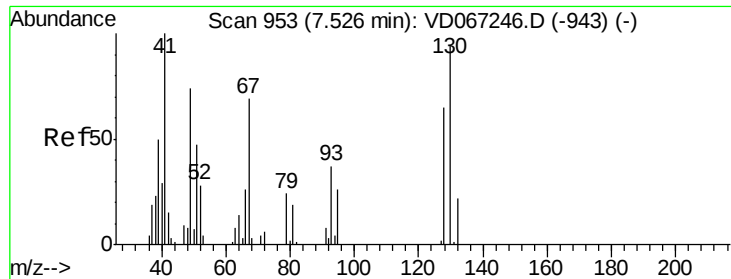
MMDadoda
10/15/2020 12:18:46 PM



#40
Benzene
Concen: 20.731 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





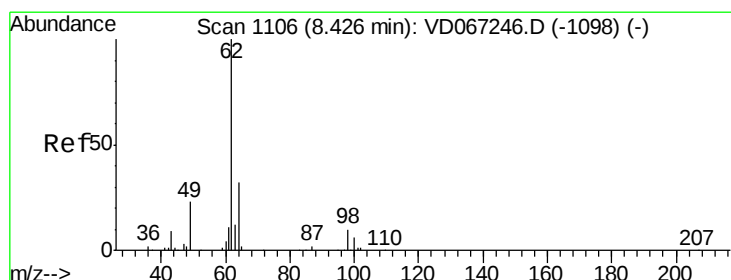
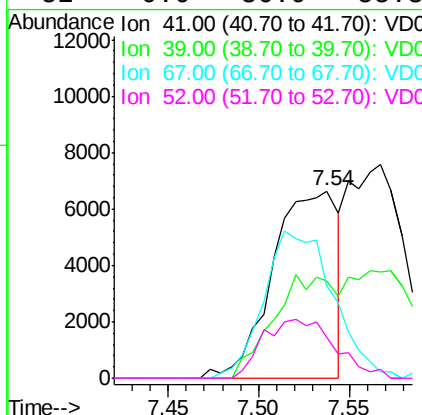
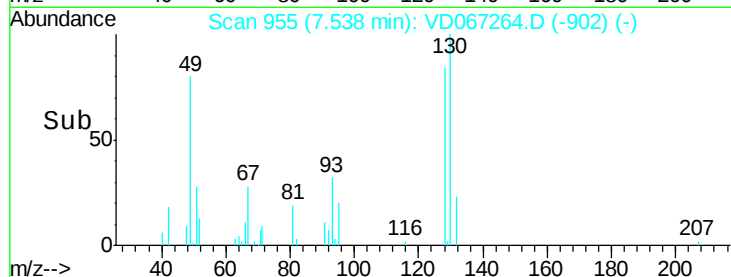
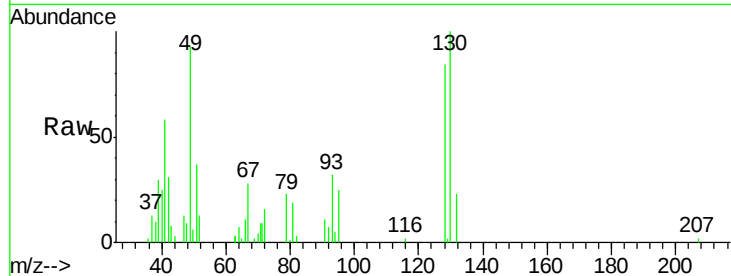
#41
Methacrylonitrile
Concen: 24.282 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	0.0	88.9	133.3#
52	0.0	36.9	55.3#

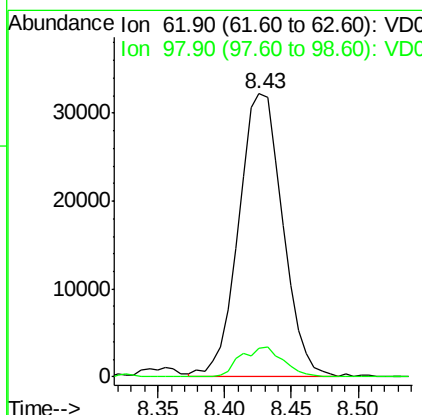
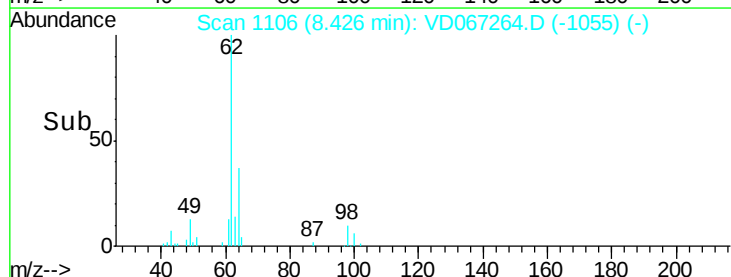
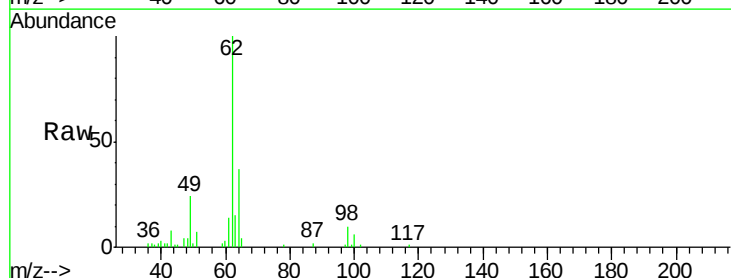
Manual Integrations
APPROVED

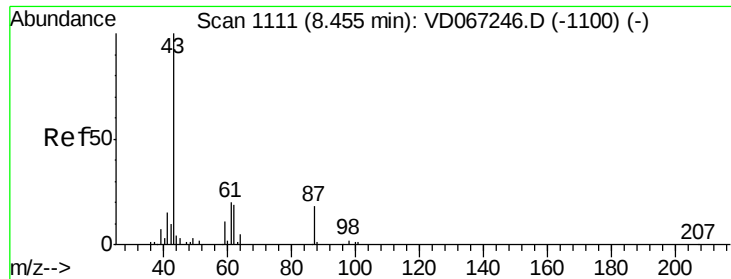
MMDadoda
10/15/2020 12:18:46 PM



#42
1,2-Dichloroethane
Concen: 19.883 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	10.2	0.0	19.4





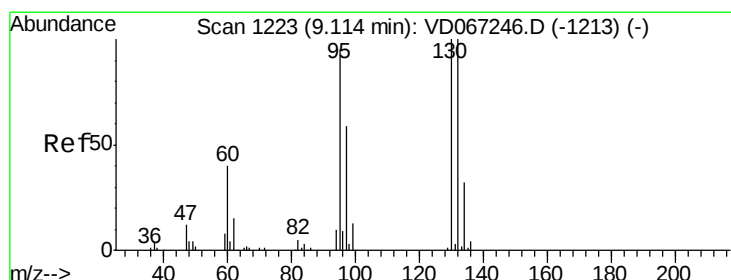
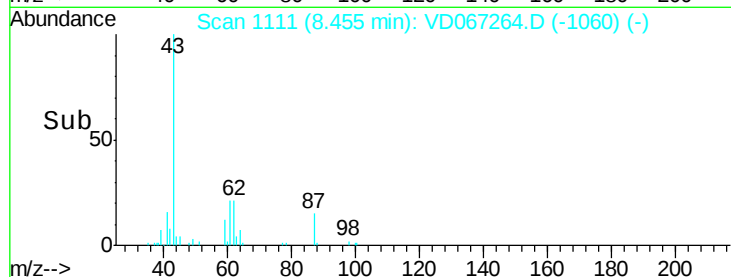
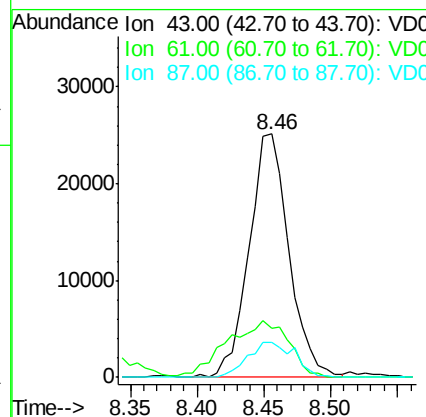
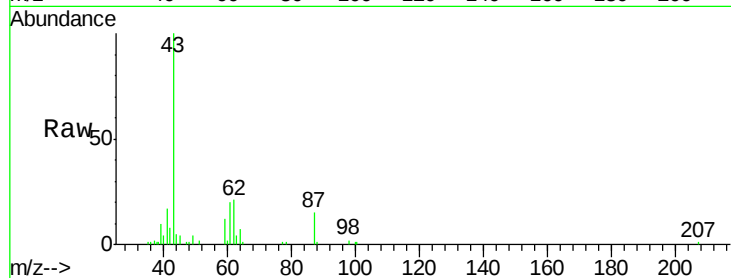
#43
Isopropyl Acetate
Concen: 20.571 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.5	29.5	44.3
87	17.2	14.2	21.4

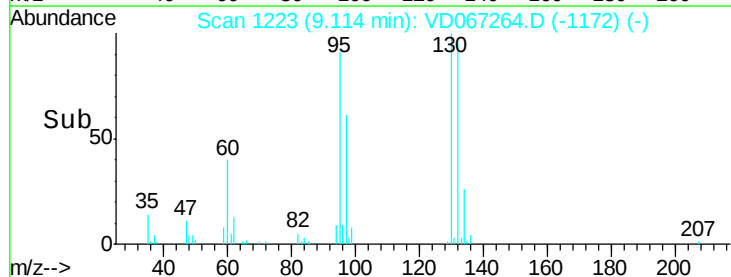
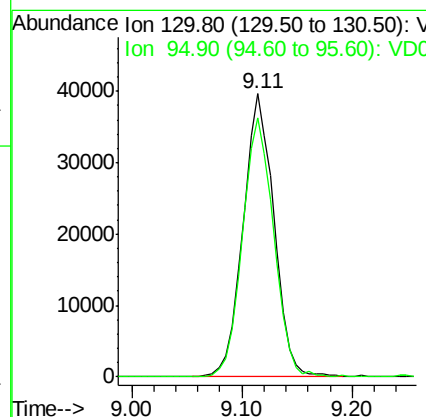
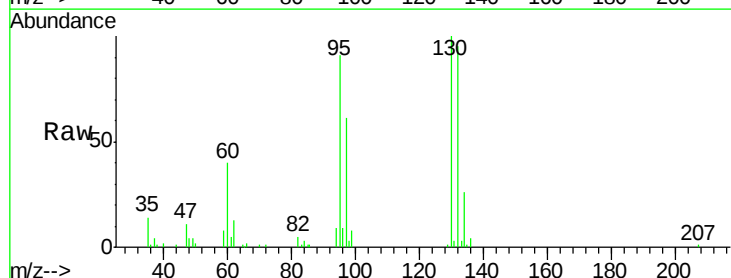
Manual Integrations
APPROVED

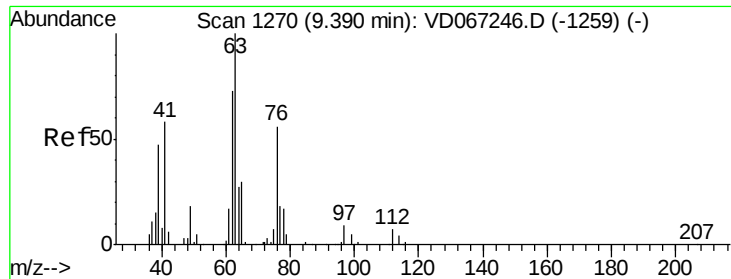
MMDadoda
10/15/2020 12:18:46 PM



#44
Trichloroethene
Concen: 20.592 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	190.6





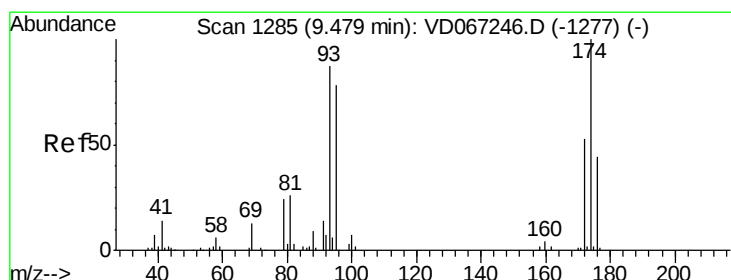
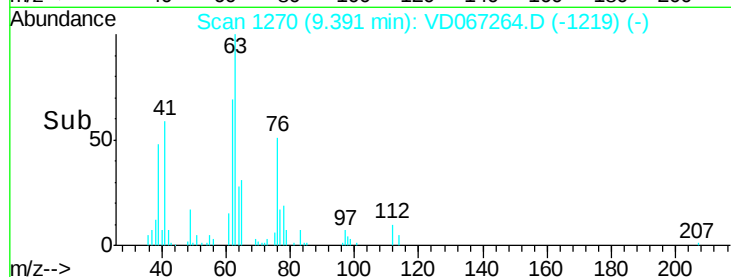
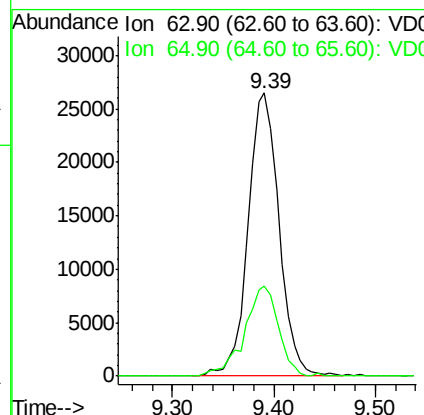
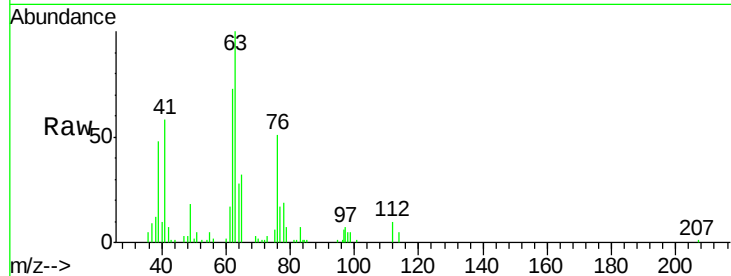
#45
 1,2-Dichloropropane
 Concen: 20.473 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8

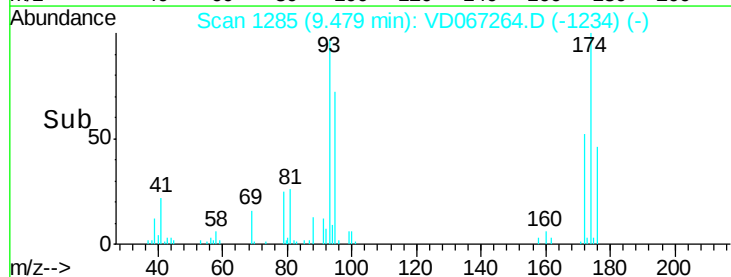
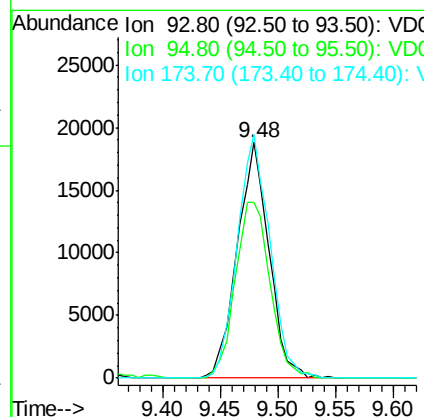
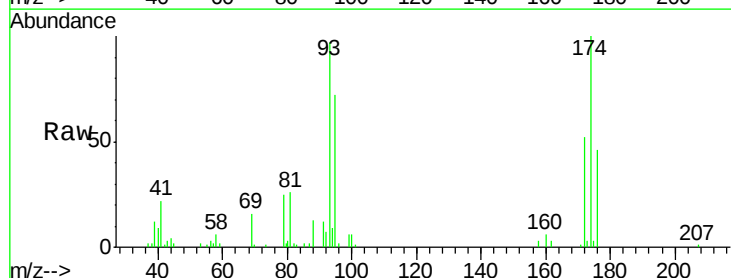
Manual Integrations
 APPROVED

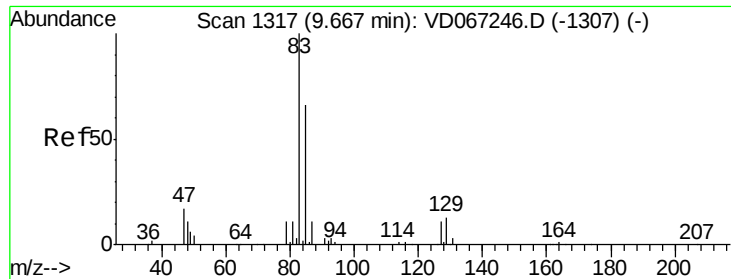
MMDadoda
 10/15/2020 12:18:46 PM



#46
 Dibromomethane
 Concen: 21.025 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	68.0	102.0
174	106.1	91.8	137.6





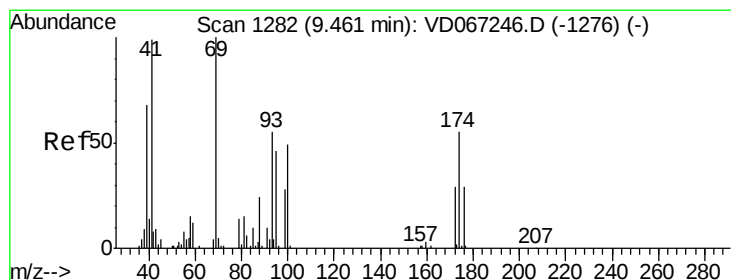
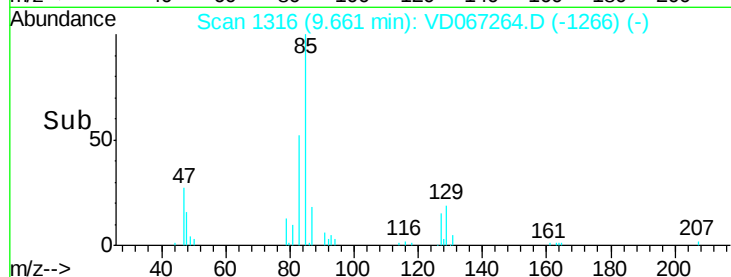
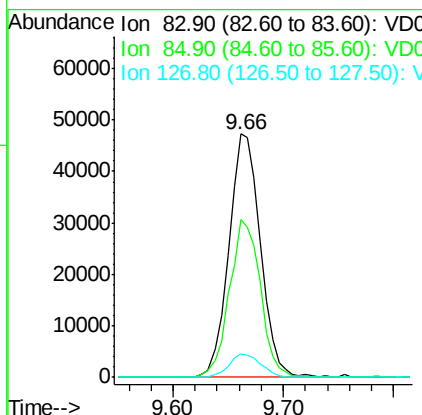
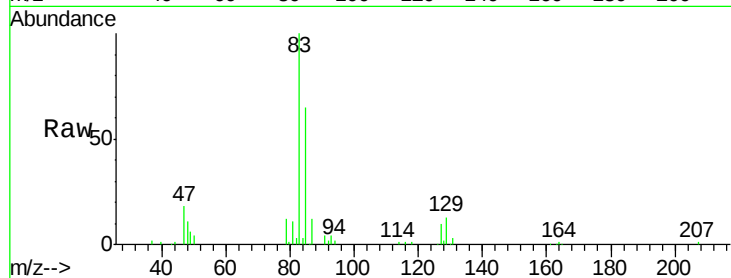
#47
Bromodichloromethane
Concen: 20.672 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	83	Resp	94637
Ion Ratio	100		
85	65.0	53.1	79.7
127	9.5	8.6	13.0

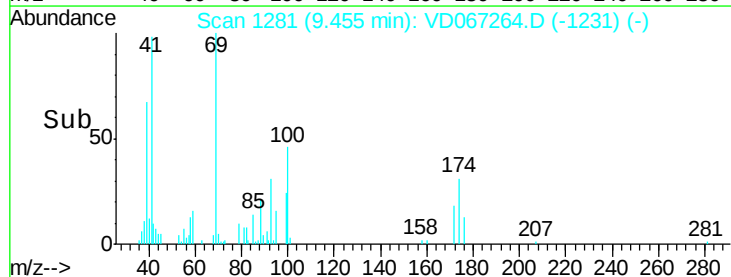
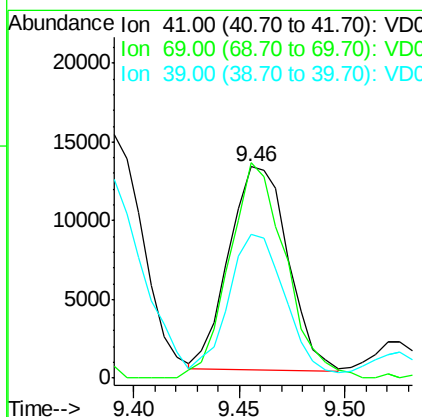
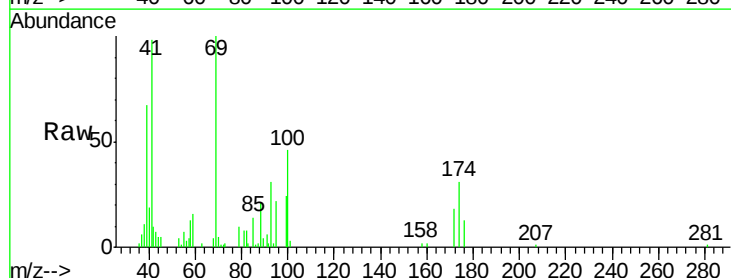
Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM



#48
Methyl methacrylate
Concen: 20.408 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	41	Resp	24975
Ion Ratio	100		
69	101.4	89.0	133.6
39	69.6	60.2	90.2





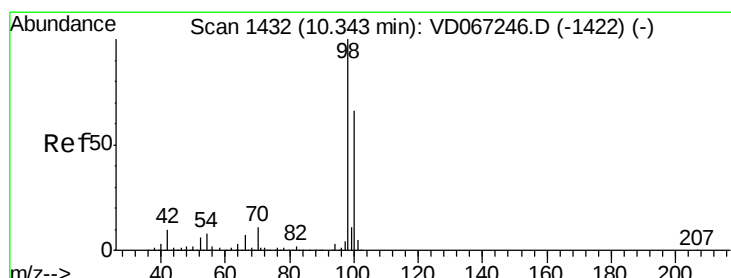
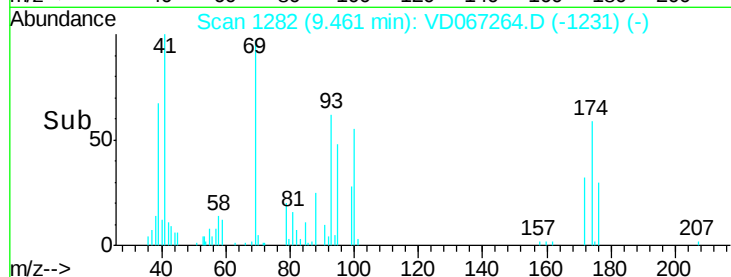
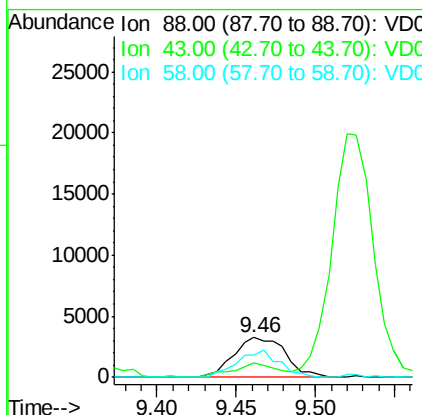
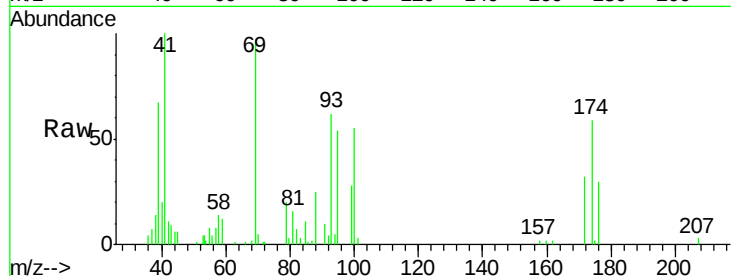
#49
1,4-Dioxane
Concen: 428.085 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	88	Resp	7366
Ion	Ratio	Lower	Upper
88	100		
43	31.5	23.9	35.9
58	55.5	51.0	76.6

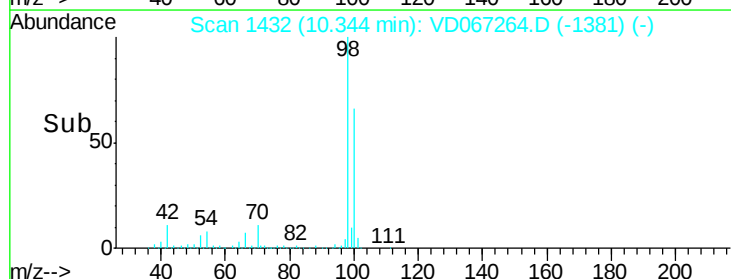
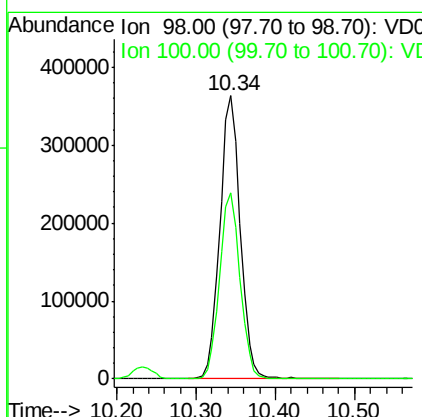
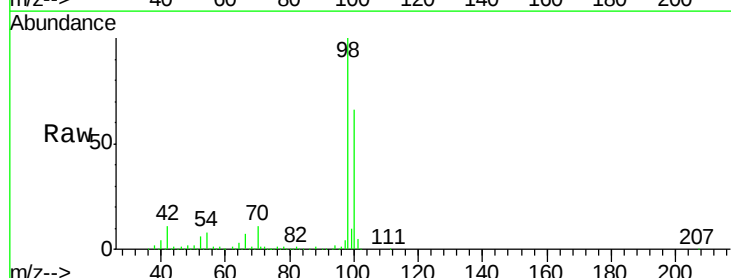
Manual Integrations
APPROVED

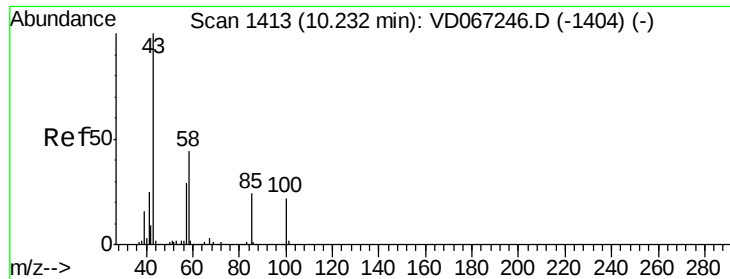
MMDadoda
10/15/2020 12:18:46 PM



#50
Toluene-d8
Concen: 52.807 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	98	Resp	647255
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.1	79.7





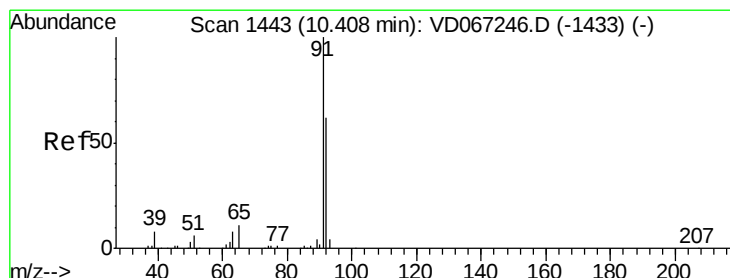
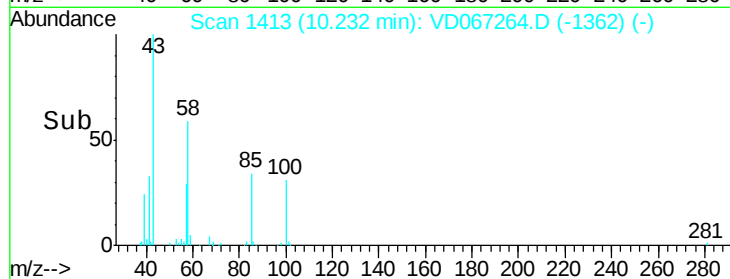
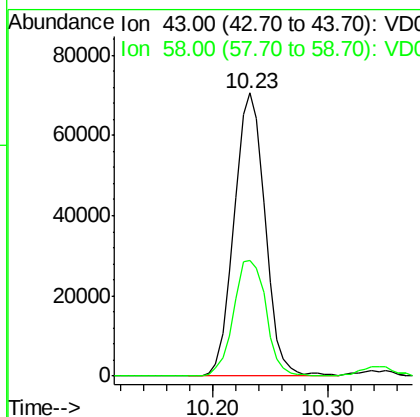
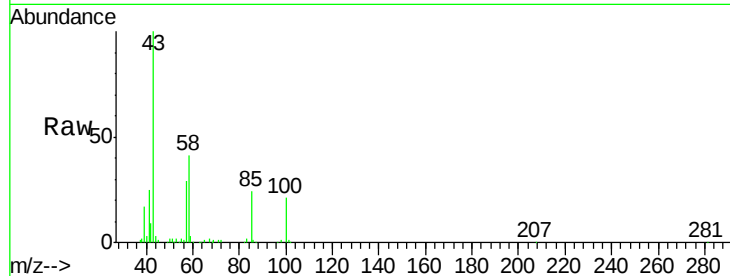
#51
4-Methyl-2-Pentanone
Concen: 104.334 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 43 Resp: 131046
Ion Ratio Lower Upper
43 100
58 42.9 35.7 53.5

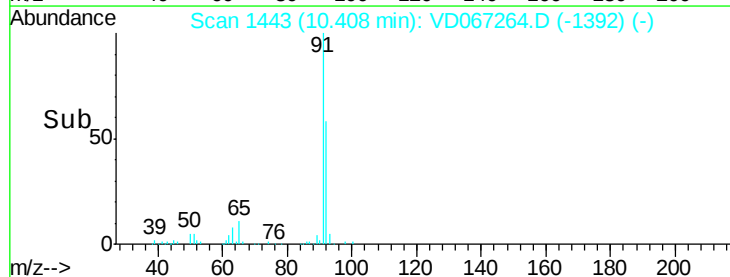
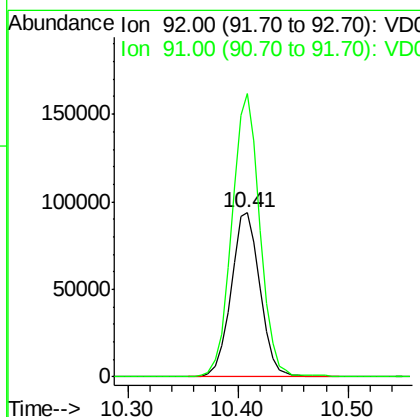
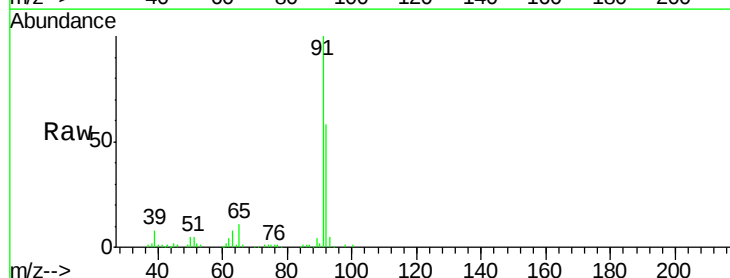
Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM



#52
Toluene
Concen: 21.379 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion: 92 Resp: 172313
Ion Ratio Lower Upper
92 100
91 167.0 133.8 200.8





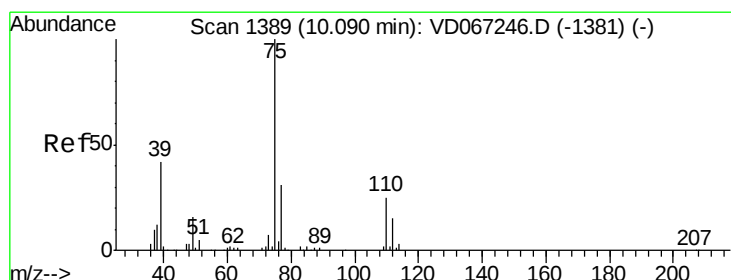
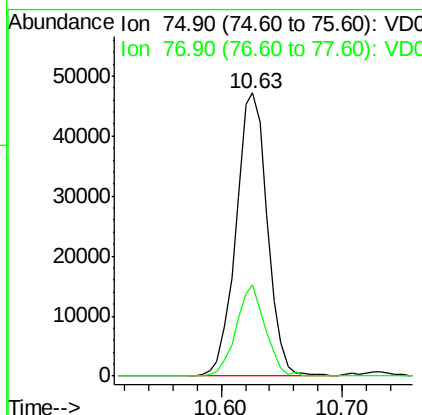
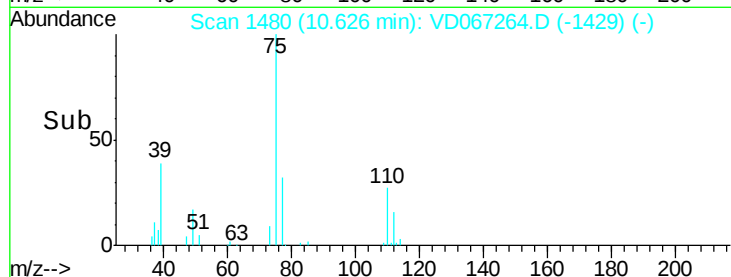
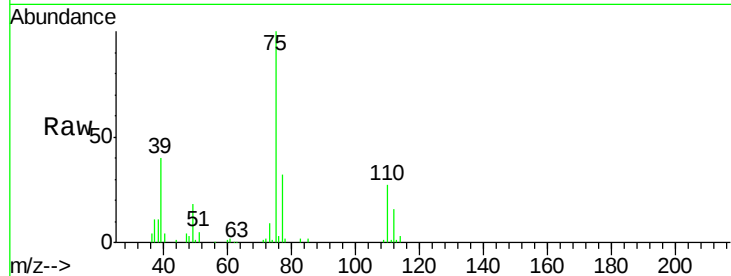
#53
 t-1,3-Dichloropropene
 Concen: 21.175 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion: 75 Resp: 85158
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7

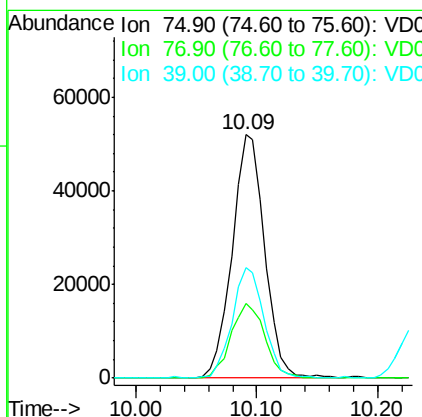
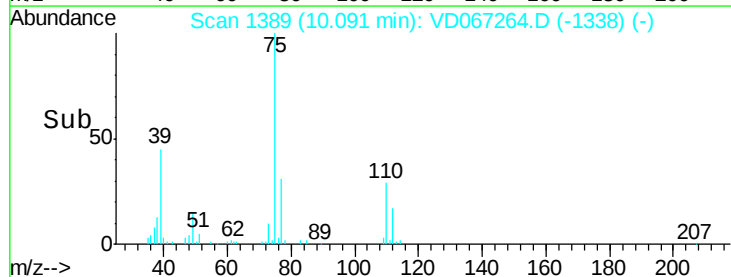
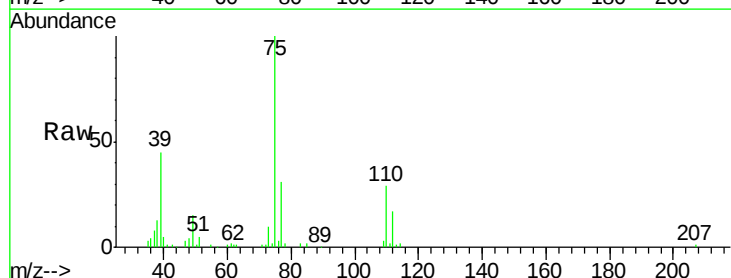
Manual Integrations
 APPROVED

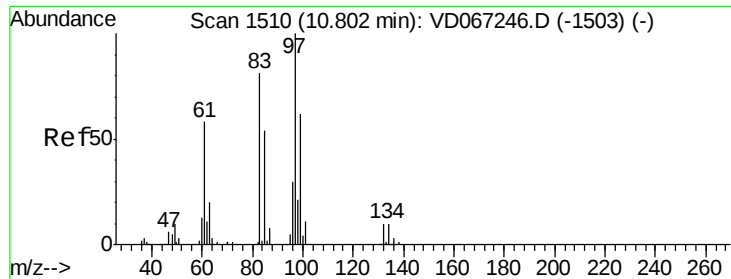
MMDadoda
 10/15/2020 12:18:46 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.712 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion: 75 Resp: 97482
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.5 36.7
 39 45.1 33.7 50.5





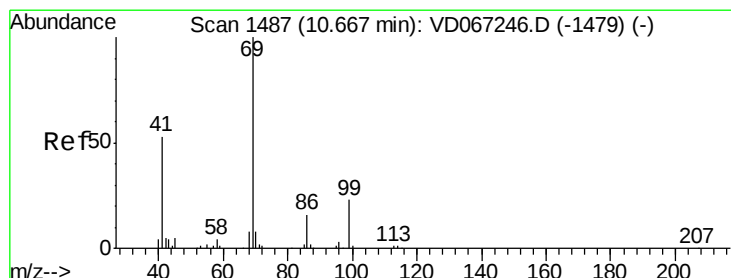
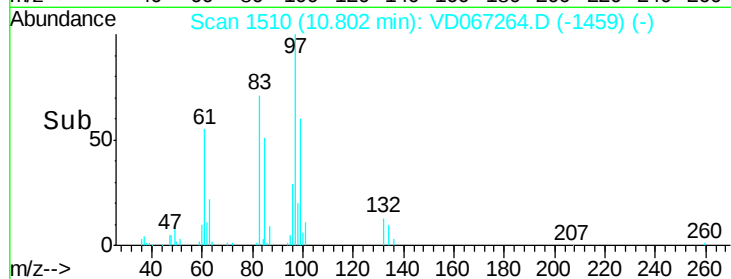
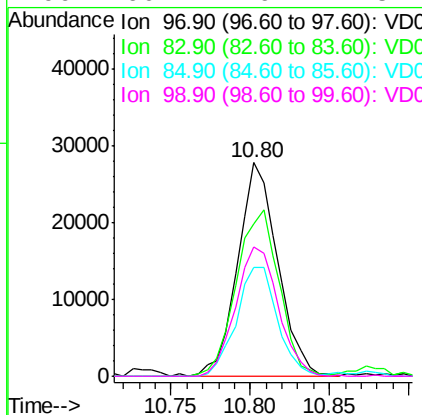
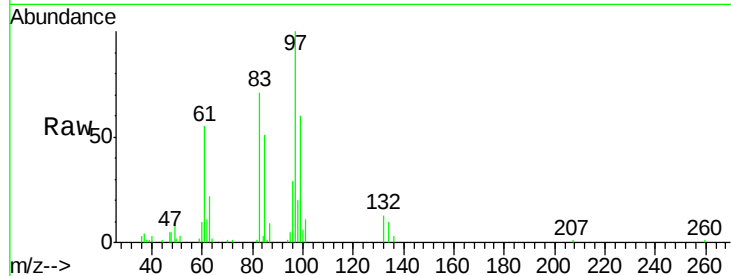
#55
 1,1,2-Trichloroethane
 Concen: 20.945 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion:	97	Resp:	48803
Ion	Ratio	Lower	Upper
97	100		
83	71.5	64.9	97.3
85	51.1	43.3	64.9
99	60.4	49.1	73.7

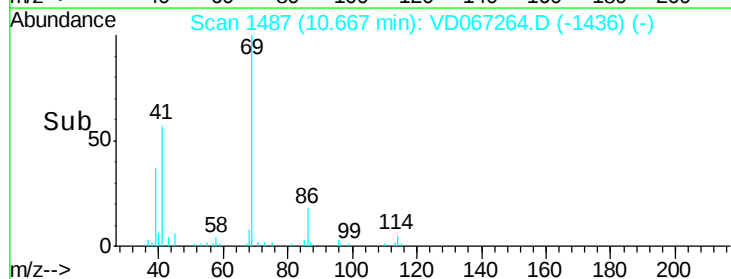
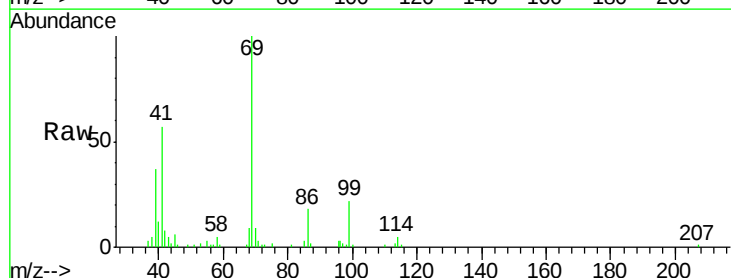
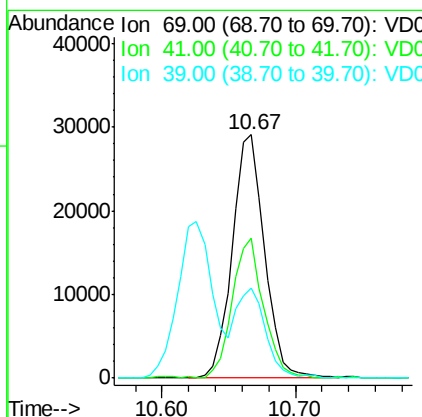
Manual Integrations
 APPROVED

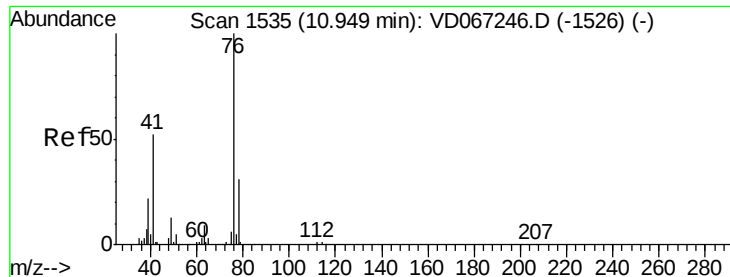
MMDadoda
 10/15/2020 12:18:46 PM



#56
 Ethyl methacrylate
 Concen: 20.262 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion:	69	Resp:	48965
Ion	Ratio	Lower	Upper
69	100		
41	55.7	44.7	67.1
39	33.9	26.2	39.2





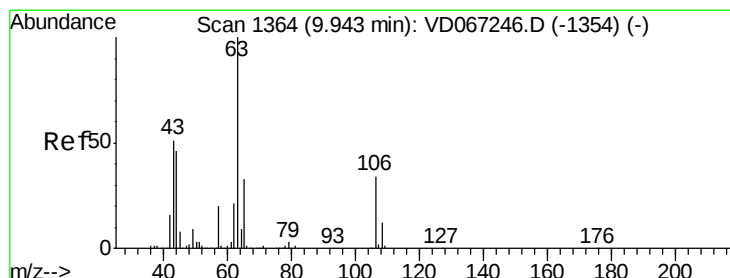
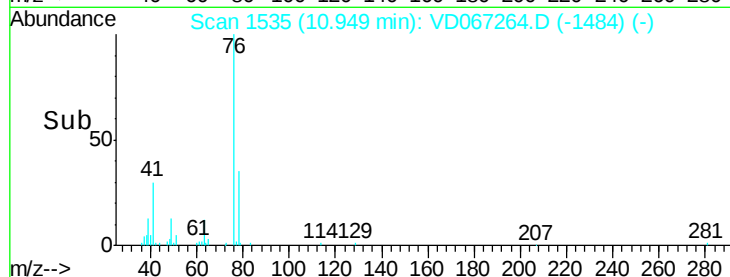
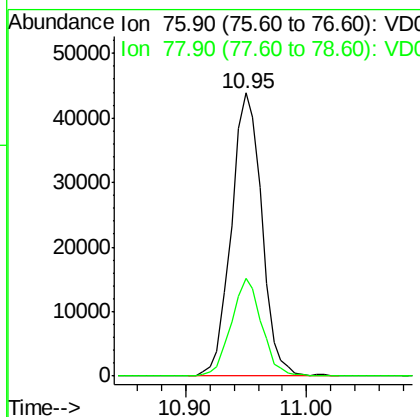
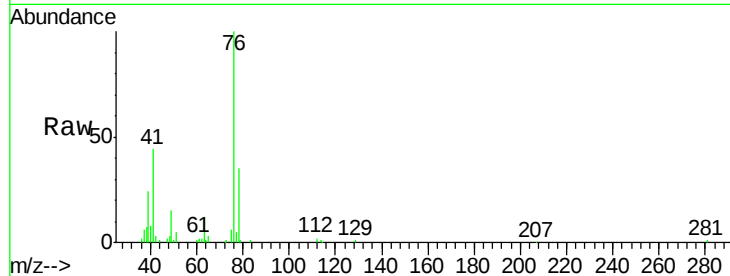
#57
 1,3-Dichloropropane
 Concen: 20.830 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion: 76 Resp: 77240
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.8 40.2

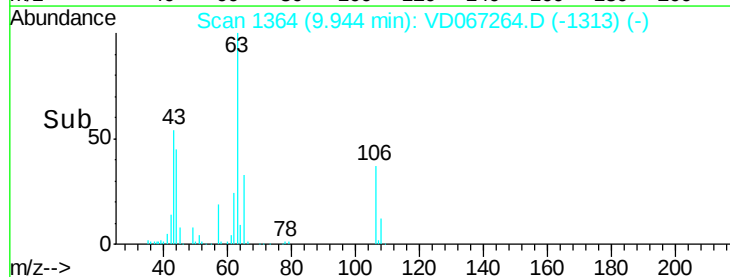
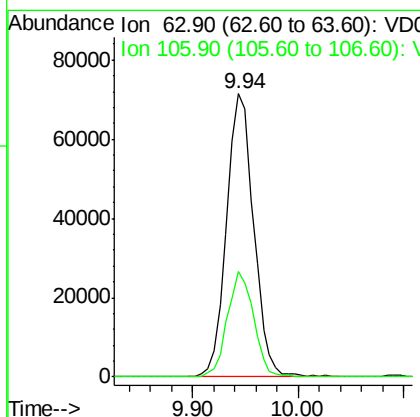
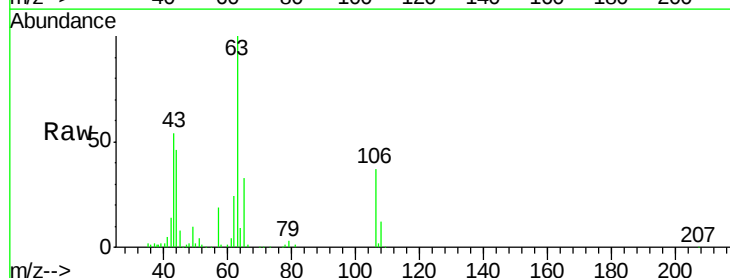
Manual Integrations
 APPROVED

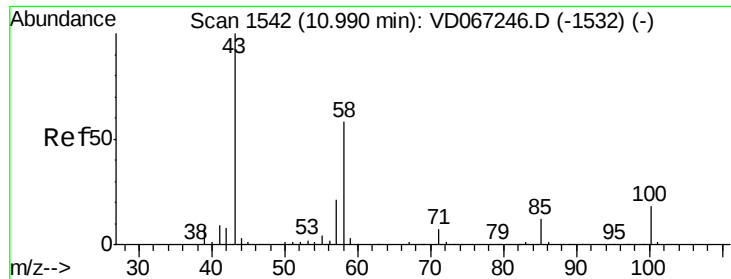
MMDadoda
 10/15/2020 12:18:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.196 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion: 63 Resp: 126692
 Ion Ratio Lower Upper
 63 100
 106 36.1 27.8 41.6





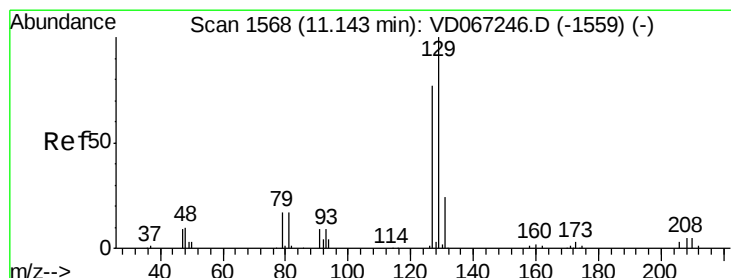
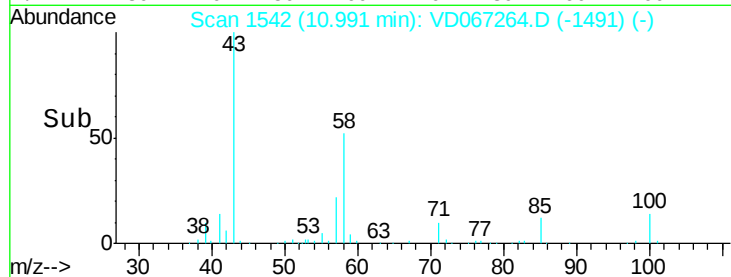
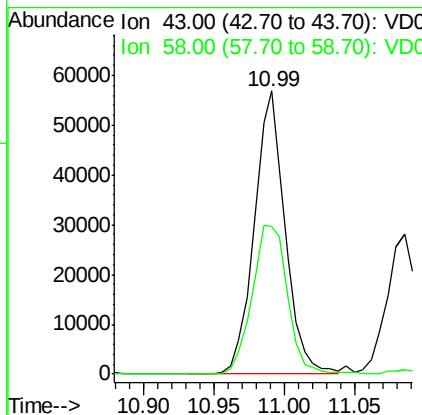
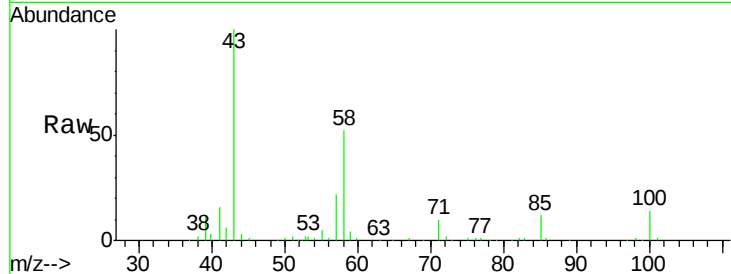
#59
2-Hexanone
Concen: 101.985 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	43	Resp	87531
Ion Ratio	100	Lower	Upper
58	60.1	29.3	87.9

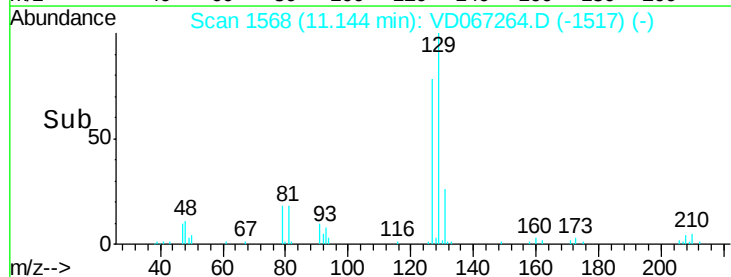
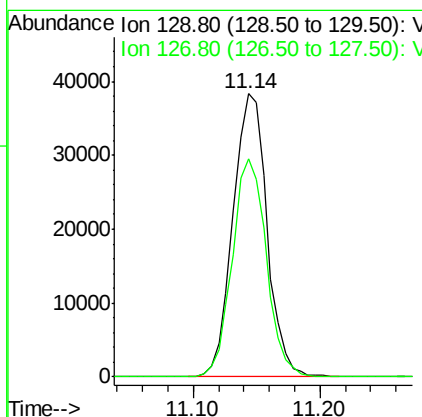
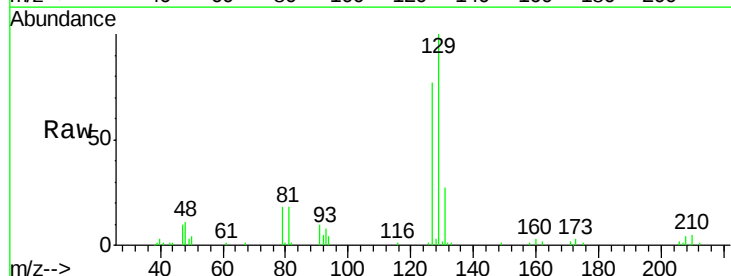
Manual Integrations
APPROVED

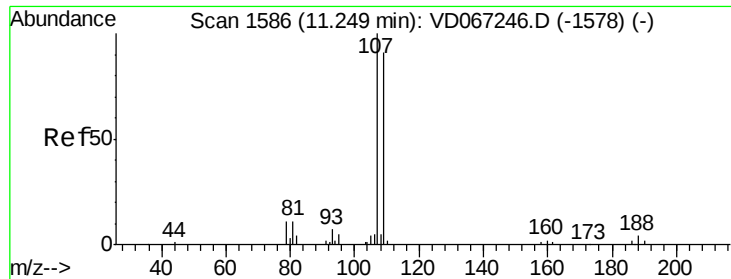
MMDadoda
10/15/2020 12:18:46 PM



#60
Dibromochloromethane
Concen: 20.986 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	129	Resp	71313
Ion Ratio	100	Lower	Upper
127	77.1	38.3	114.8





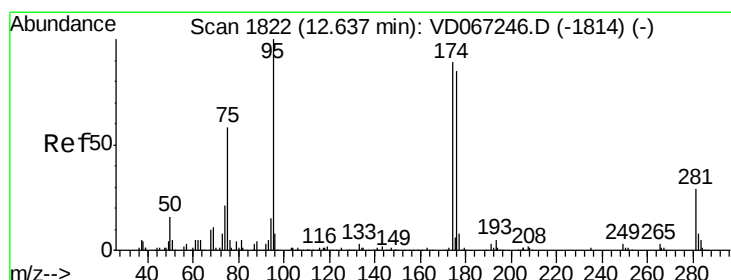
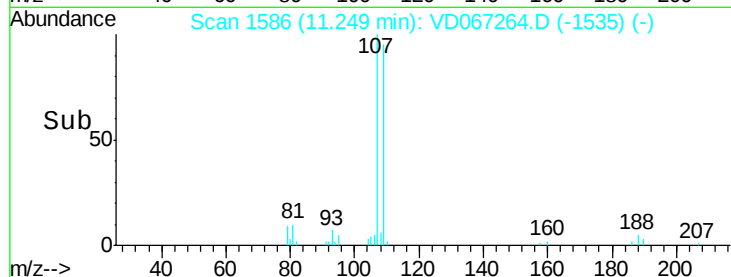
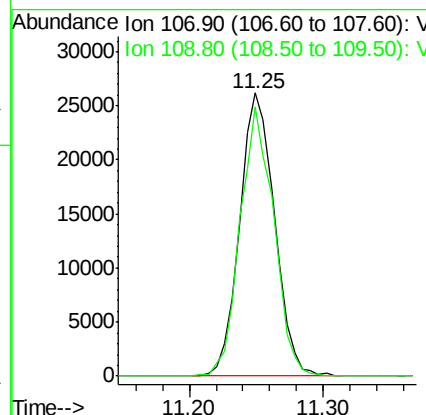
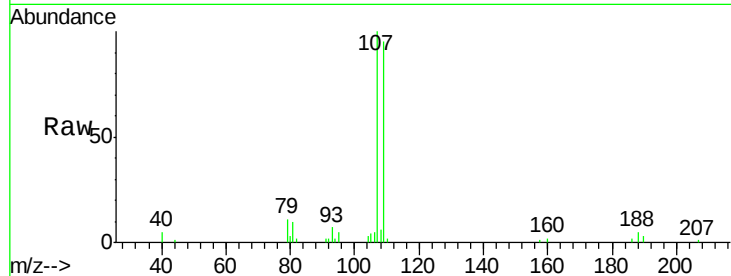
#61
 1,2-Dibromoethane
 Concen: 20.591 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	74.6	112.0

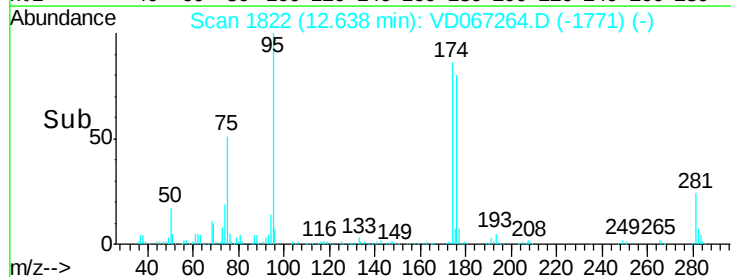
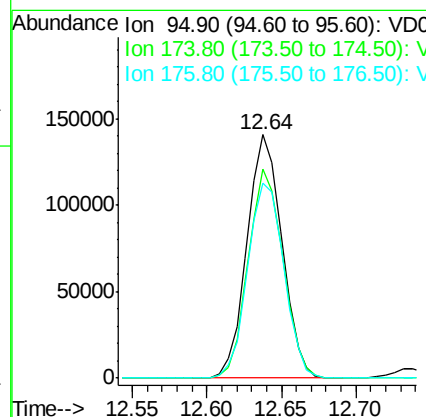
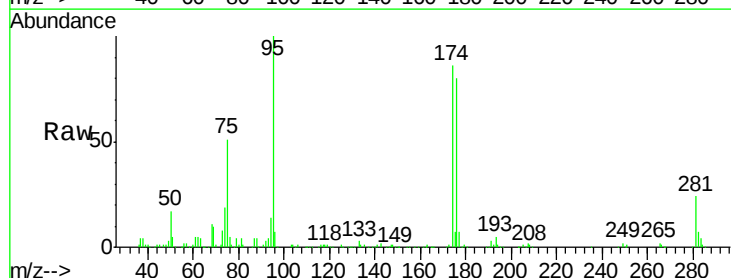
Manual Integrations
 APPROVED

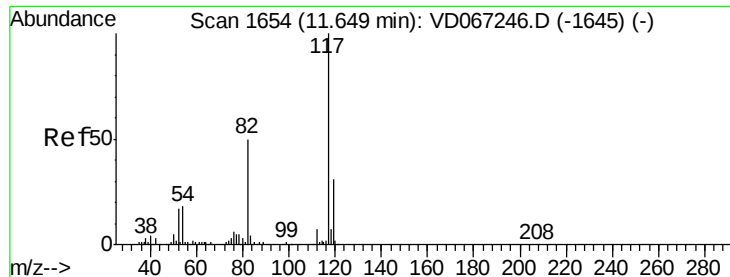
MMDadoda
 10/15/2020 12:18:46 PM



#62
 4-Bromofluorobenzene
 Concen: 53.579 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	175.2
176	82.9	0.0	168.6





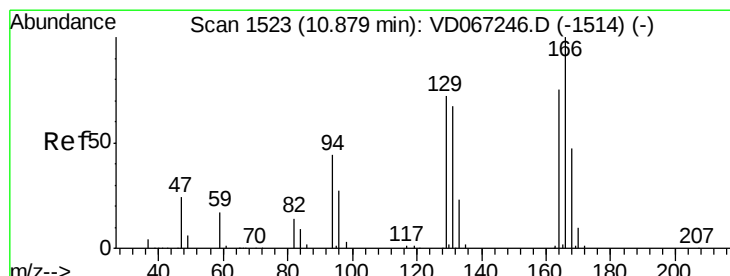
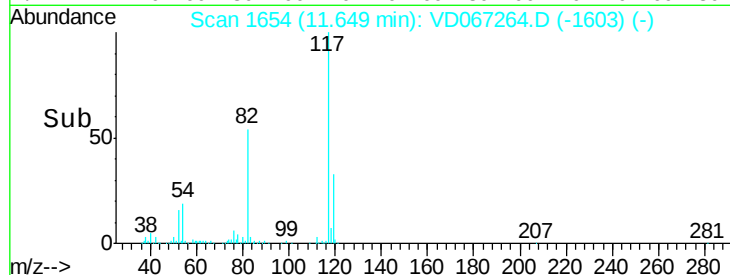
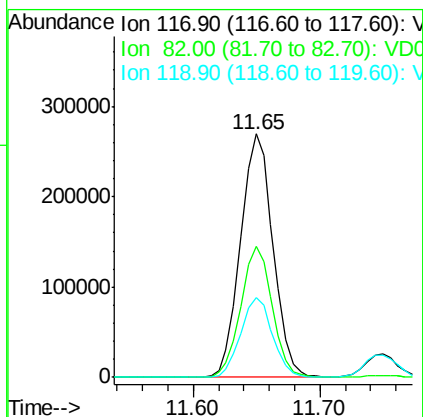
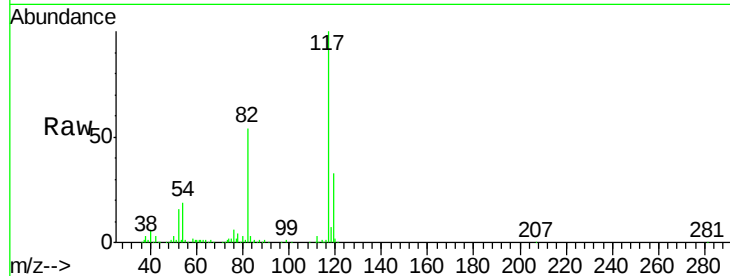
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	39.9	59.9
119	32.9	24.9	37.3

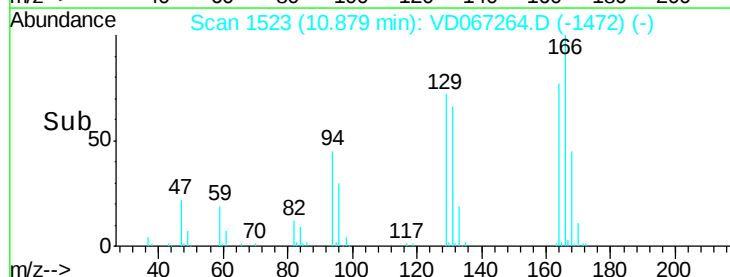
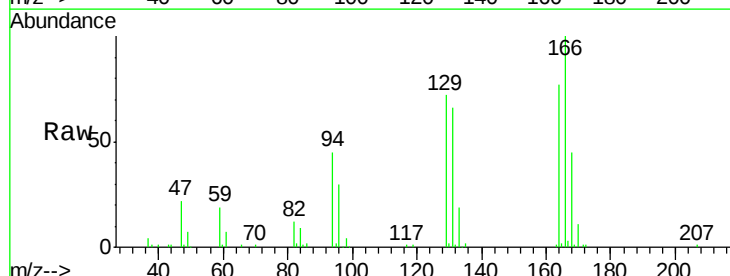
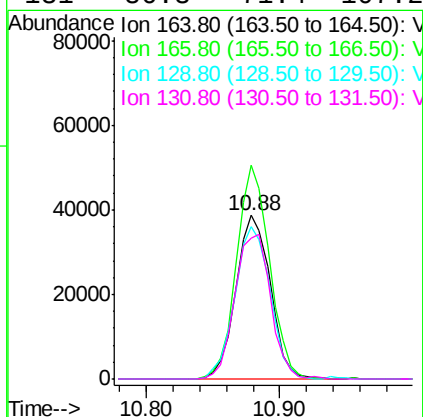
Manual Integrations
APPROVED

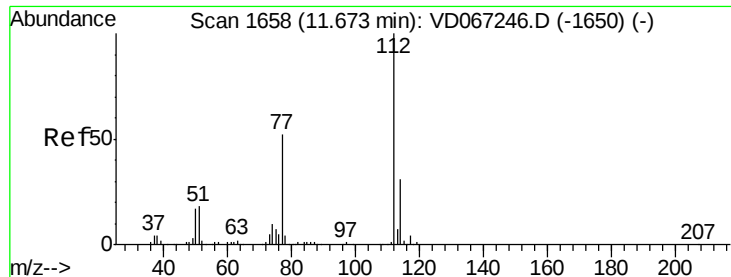
MMDadoda
10/15/2020 12:18:46 PM



#64
Tetrachloroethene
Concen: 19.847 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	107.3	160.9
129	93.4	77.3	115.9
131	86.3	71.4	107.2





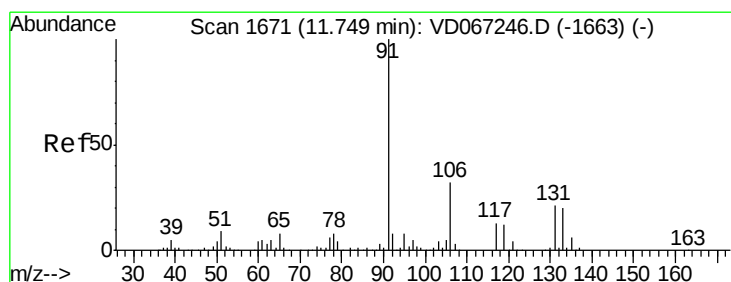
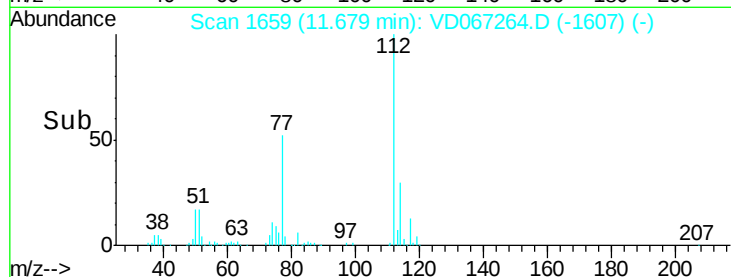
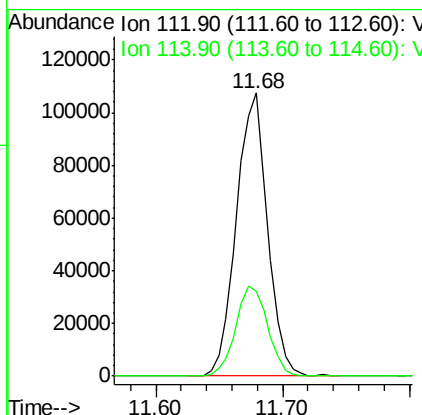
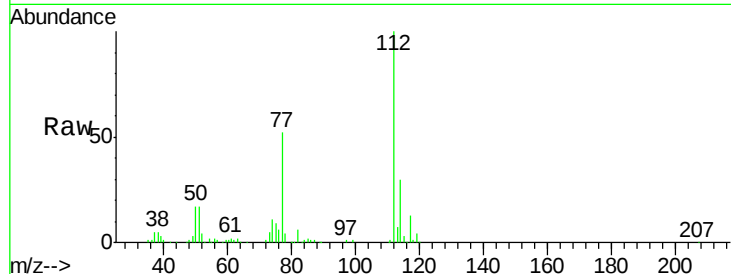
#65
Chlorobenzene
Concen: 19.852 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.0	37.4

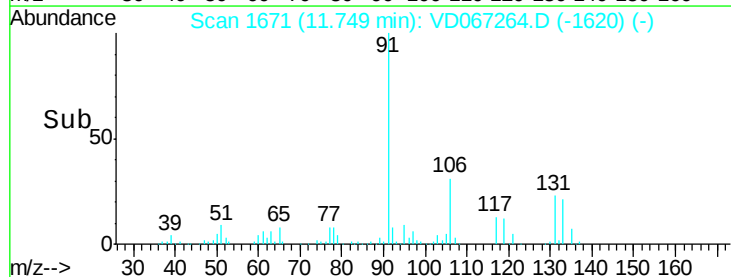
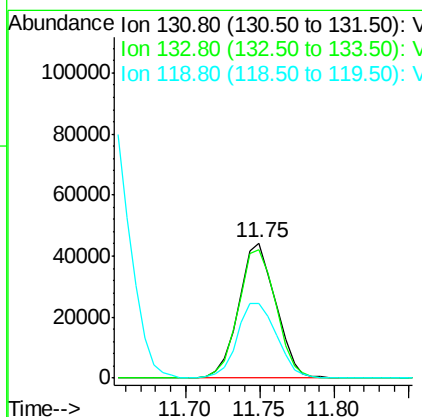
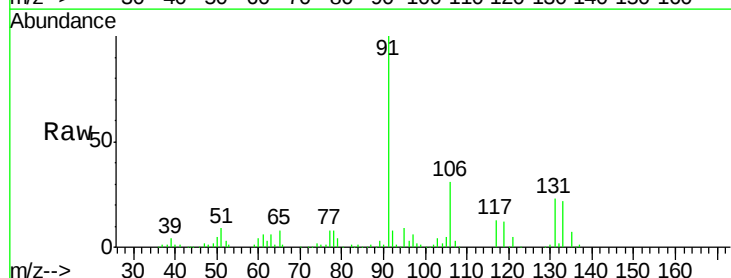
Manual Integrations
APPROVED

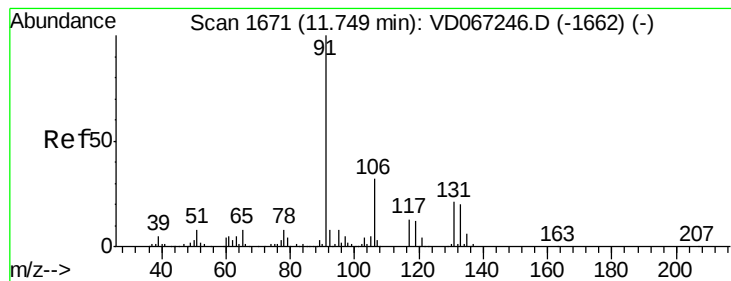
MMDadoda
10/15/2020 12:18:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.738 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.1	144.3
119	59.7	30.0	90.0





#67

Ethyl Benzene

Concen: 20.394 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 91 Resp: 321186

Ion Ratio Lower Upper

91 100

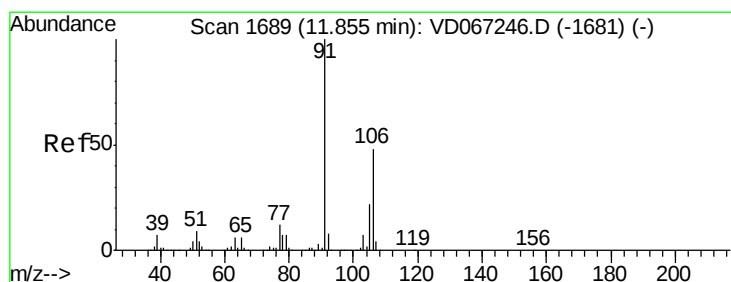
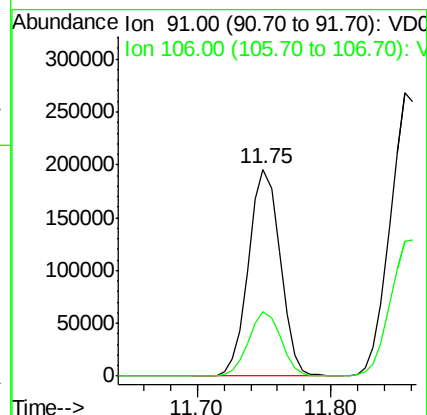
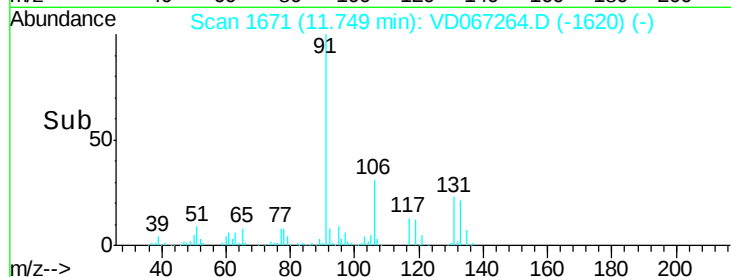
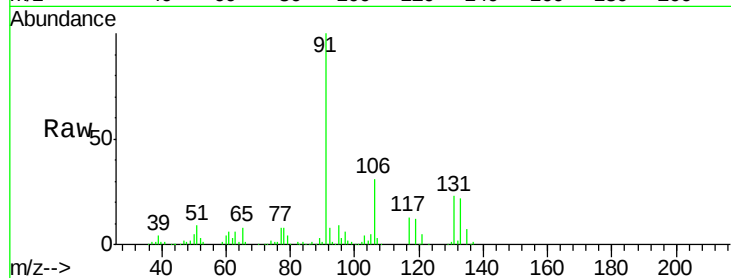
106 31.2 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:46 PM



#68

m/p-Xylenes

Concen: 41.119 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067264.D

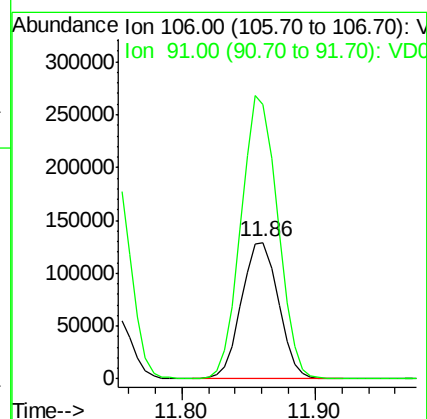
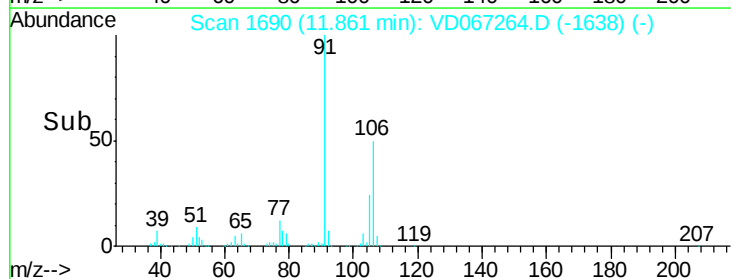
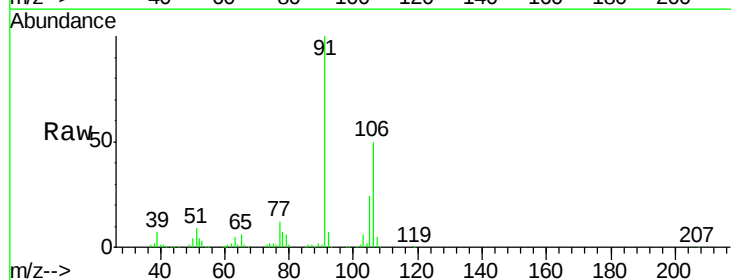
Acq: 14 Oct 2020 12:05

Tgt Ion: 106 Resp: 249375

Ion Ratio Lower Upper

106 100

91 205.0 163.8 245.8





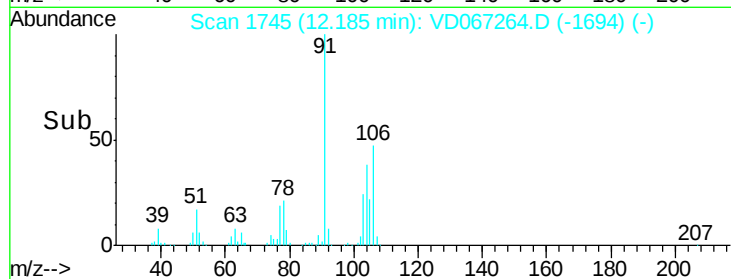
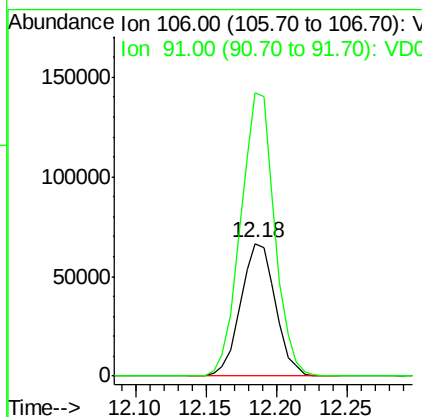
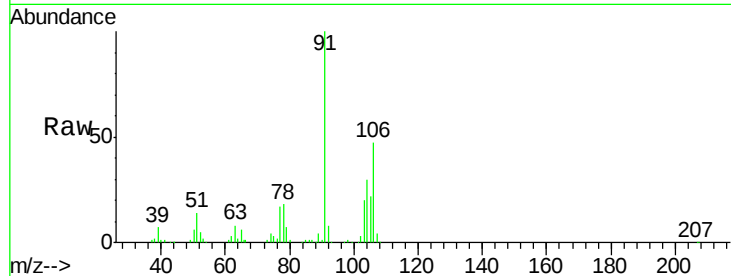
#69
o-Xylene
Concen: 20.405 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		114593		
91	208.6	109.1	327.3		

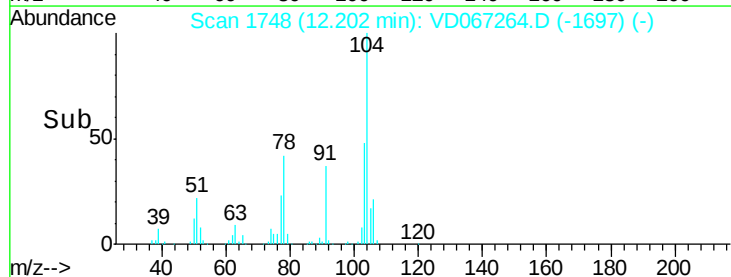
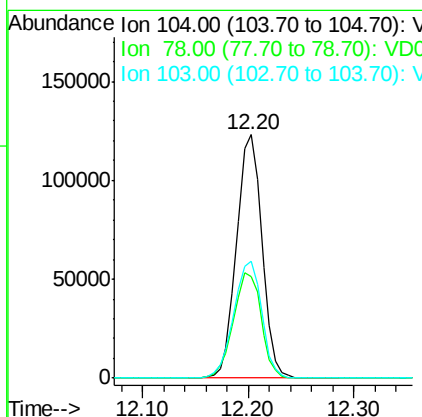
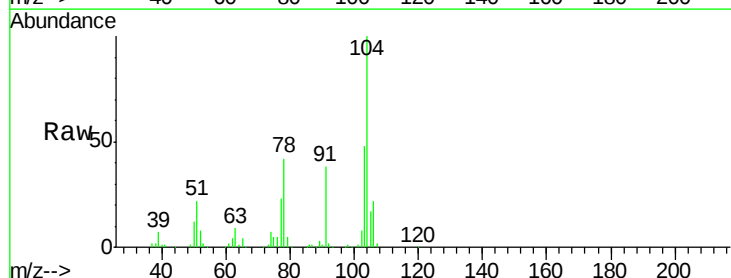
Manual Integrations
APPROVED

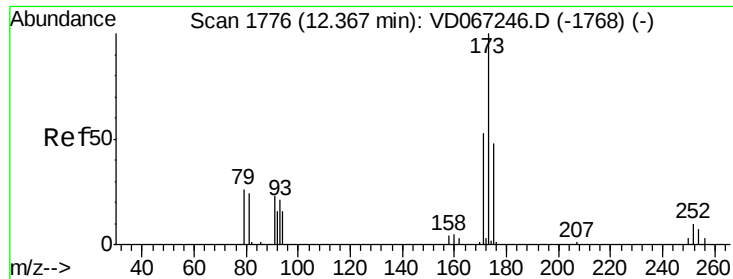
MMDadoda
10/15/2020 12:18:46 PM



#70
Styrene
Concen: 21.206 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		205004		
78	47.2	39.8	59.6		
103	52.7	42.6	64.0		





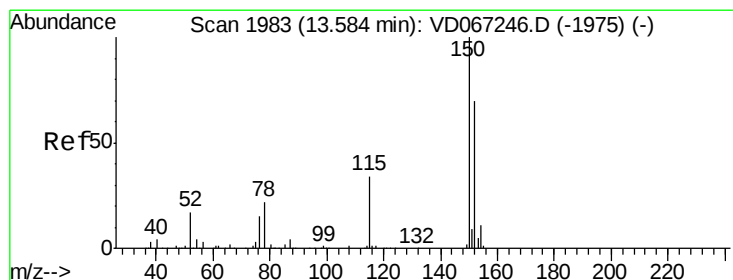
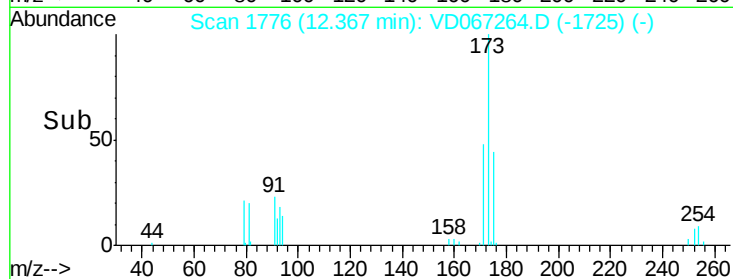
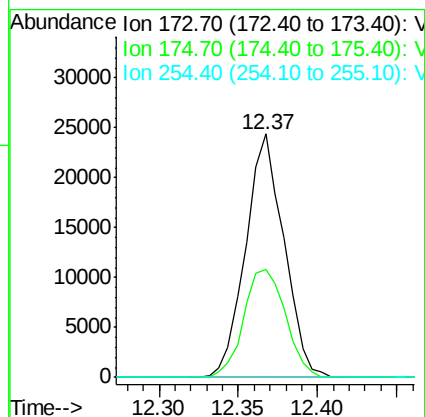
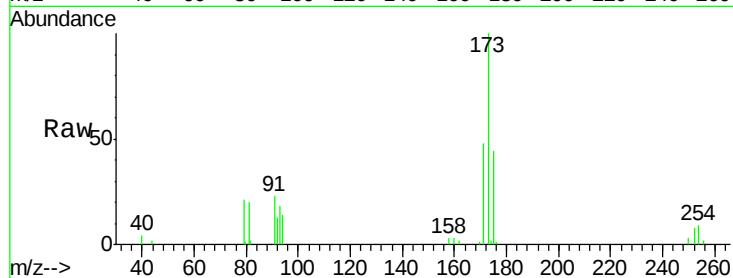
#71
Bromoform
Concen: 20.863 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1#

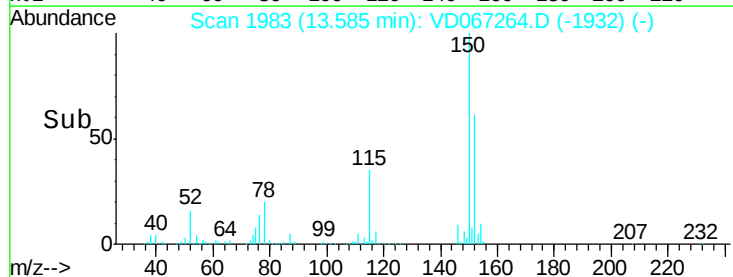
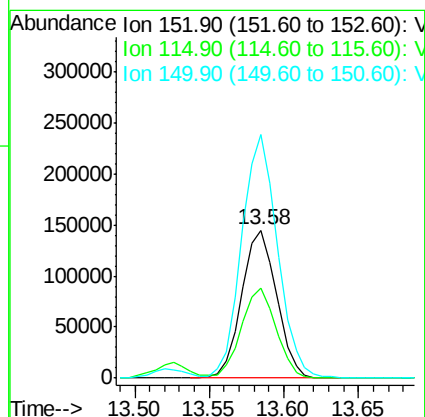
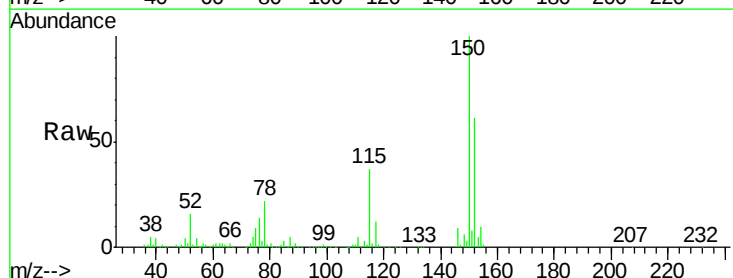
Manual Integrations
APPROVED

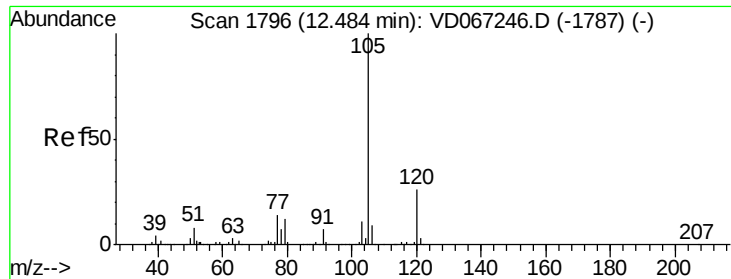
MMDadoda
10/15/2020 12:18:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.3	87.9
150	169.1	0.0	339.0





#73

Isopropylbenzene

Concen: 21.380 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion:105 Resp: 318352

Ion Ratio Lower Upper

105 100

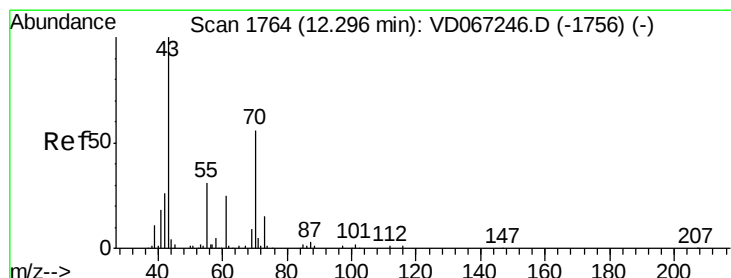
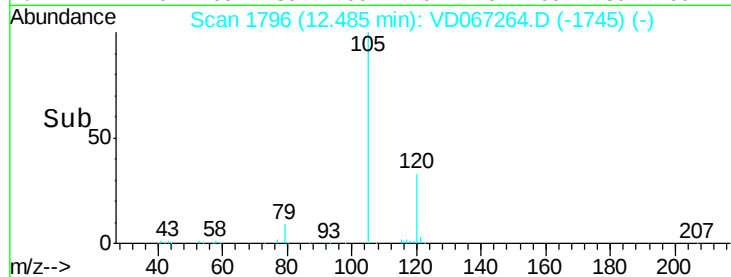
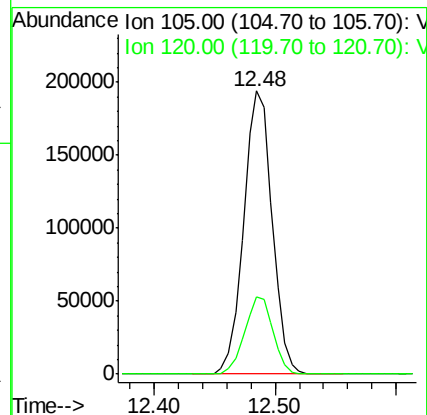
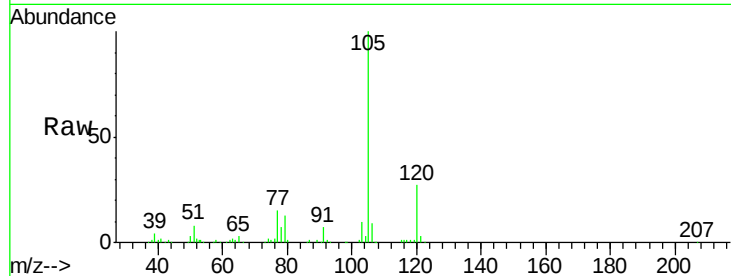
120 27.2 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:46 PM



#74

N-ethyl acetate

Concen: 20.171 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Tgt Ion: 43 Resp: 45363

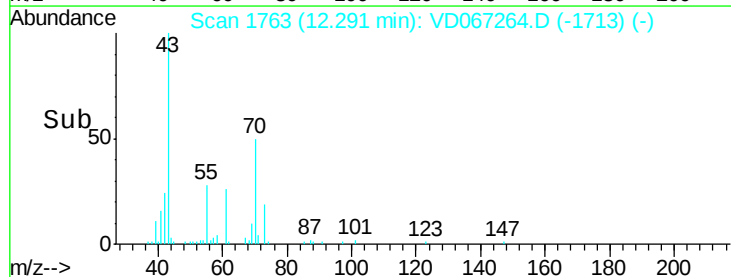
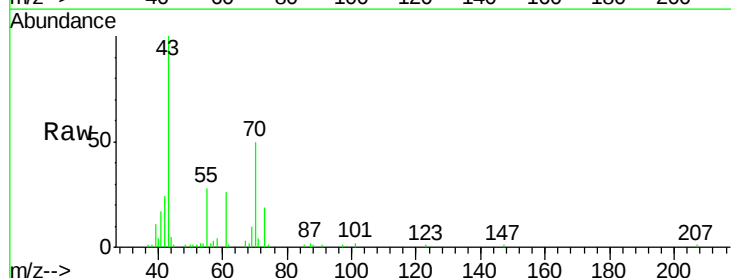
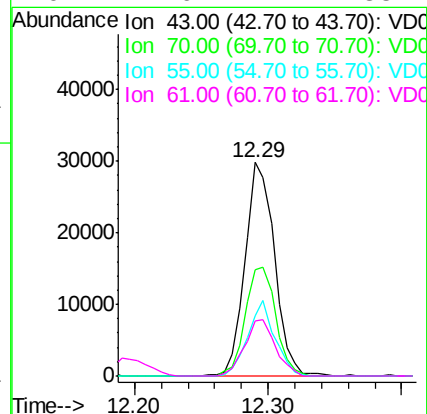
Ion Ratio Lower Upper

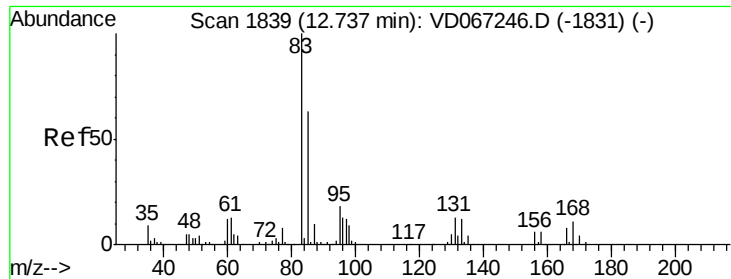
43 100

70 52.7 42.7 64.1

55 32.3 24.0 36.0

61 27.6 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.957 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

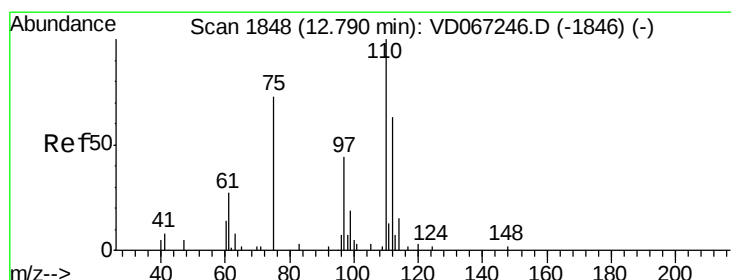
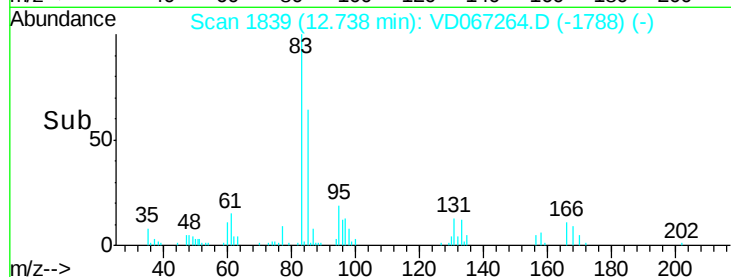
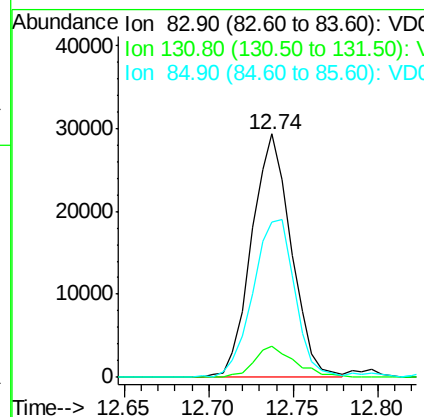
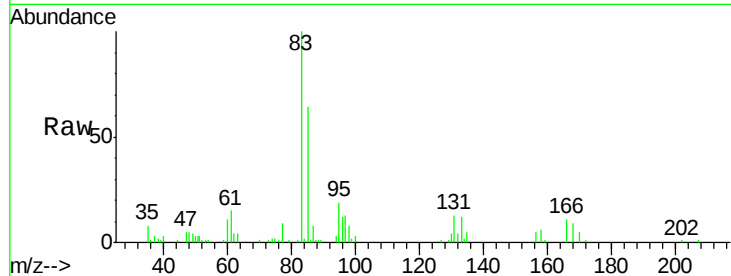
ClientSampleId :

VD1014SBS01

Tot Ion:	83	Resp:	47815
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.5	19.5
85	68.9	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM



#76

1,2,3-Trichloropropane

Concen: 23.537 ug/l m

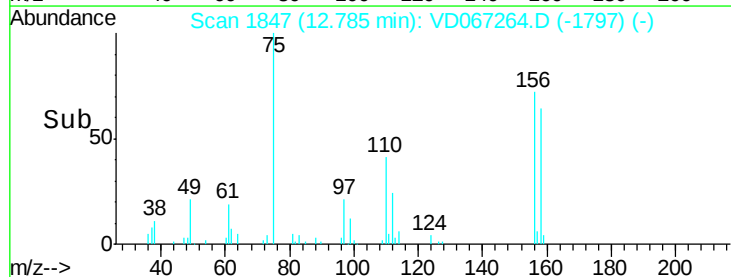
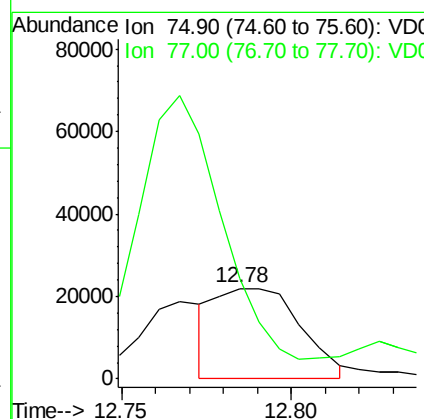
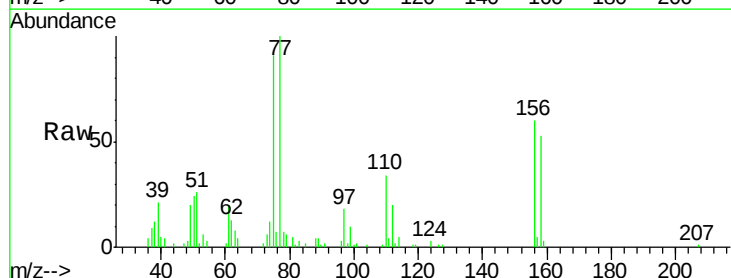
RT: 12.78 min Scan# 1847

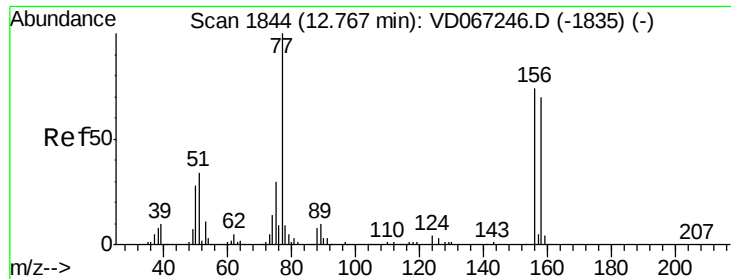
Delta R.T. -0.01 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Tgt Ion:	75	Resp:	38273
Ion Ratio	Lower	Upper	
75	100		
77	323.5	0.0	0.0#





#77

Bromobenzene

Concen: 21.378 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBSD01

Tot Ion:156 Resp: 79362

Ion Ratio Lower Upper

156 100

77 156.0 78.0 233.8

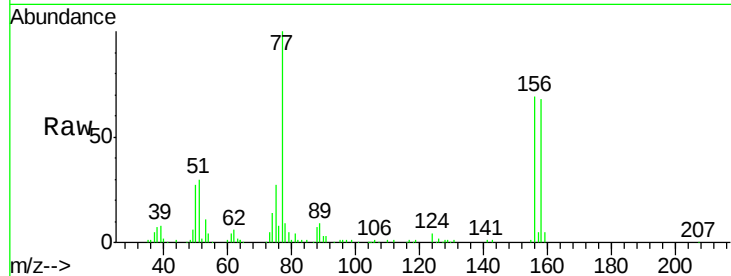
158 96.5 49.1 147.3

Manual Integrations

APPROVED

MMDadoda

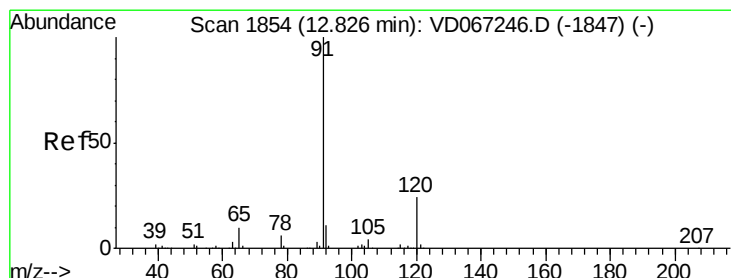
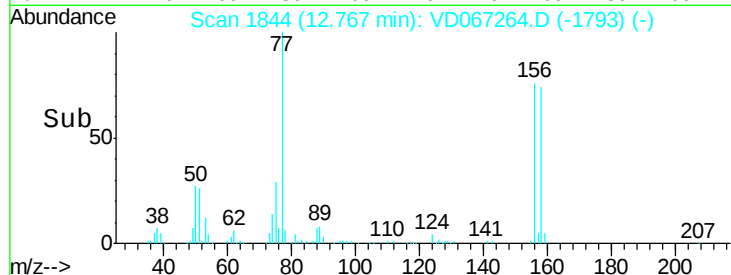
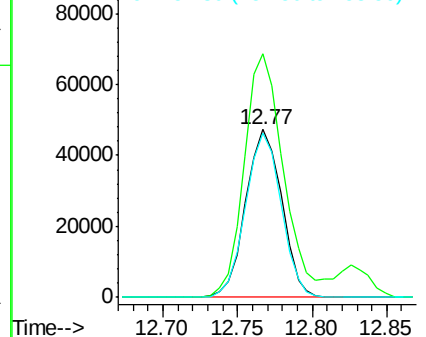
10/15/2020 12:18:46 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.352 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067264.D

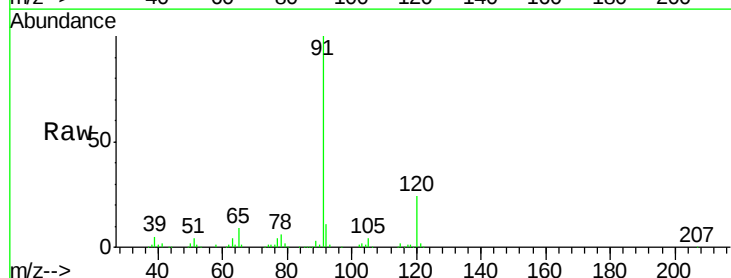
Acq: 14 Oct 2020 12:05

Tgt Ion: 91 Resp: 368363

Ion Ratio Lower Upper

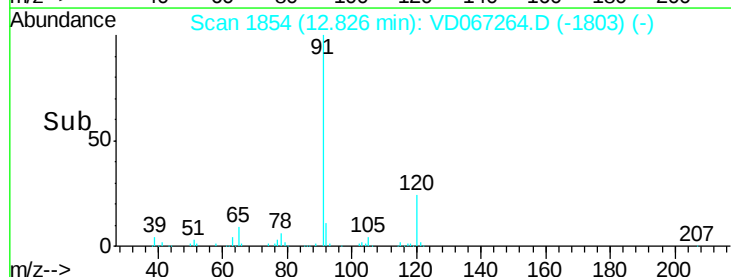
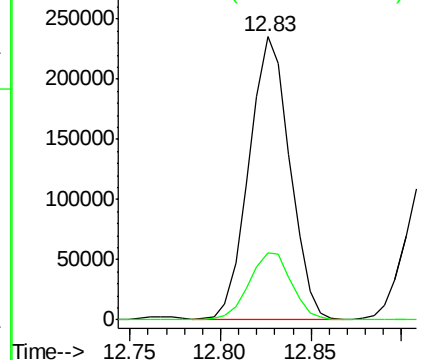
91 100

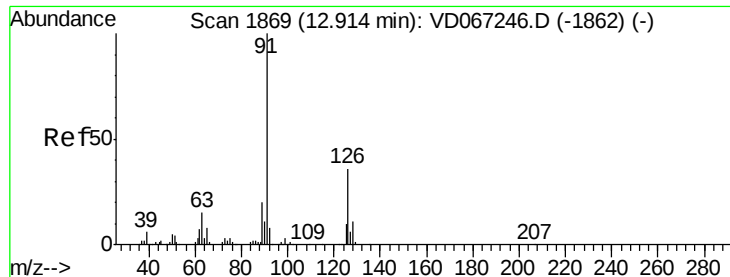
120 24.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.243 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 91 Resp: 212535

Ion Ratio Lower Upper

91 100

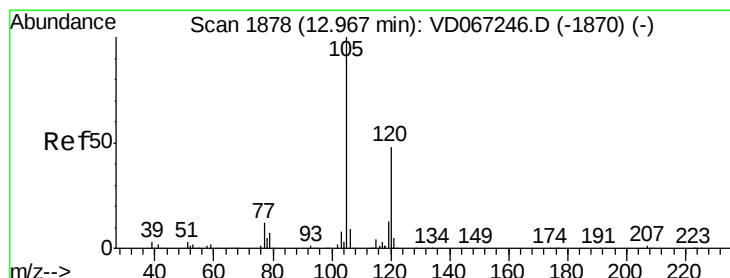
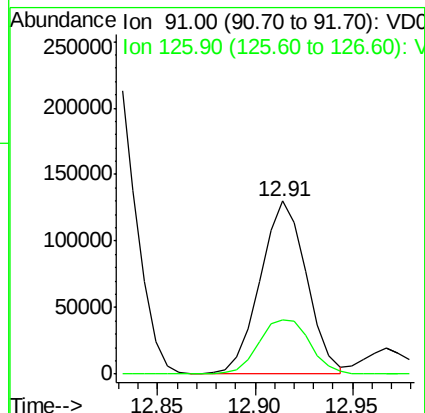
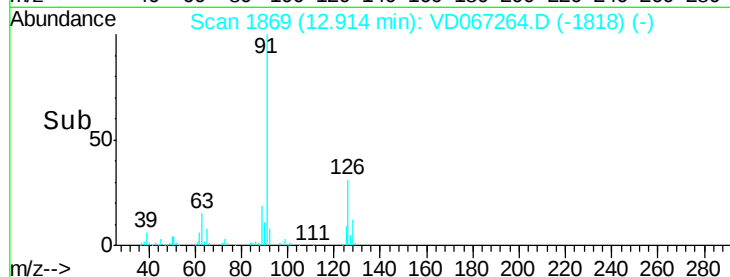
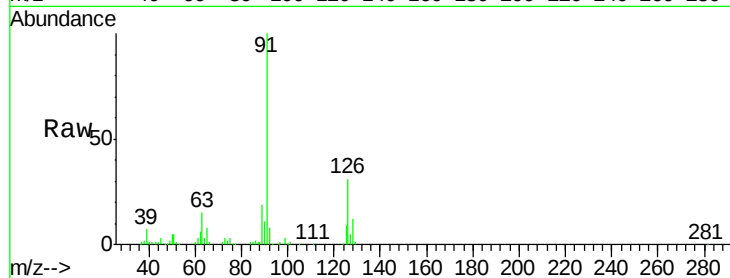
126 34.8 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:46 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.797 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067264.D

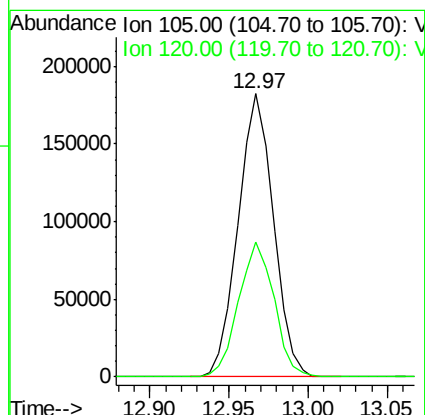
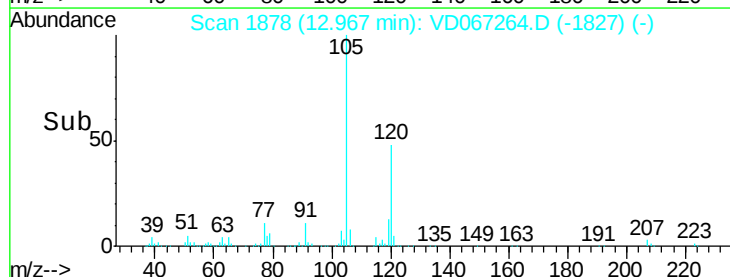
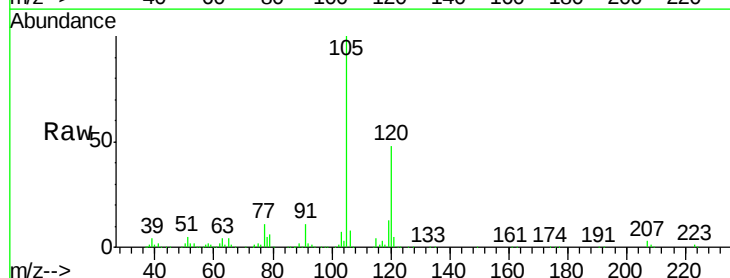
Acq: 14 Oct 2020 12:05

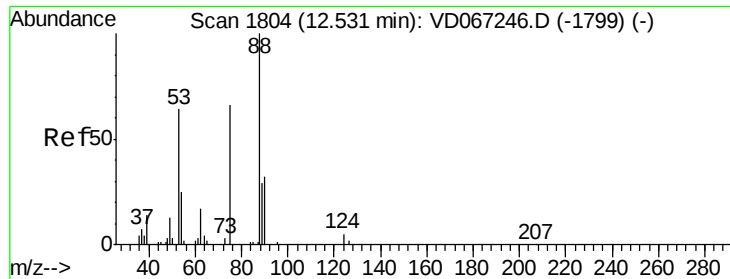
Tgt Ion: 105 Resp: 282045

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.566 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067264.D

Acq: 14 Oct 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 75 Resp: 15464

Ion Ratio Lower Upper

75 100

53 95.2 78.5 117.7

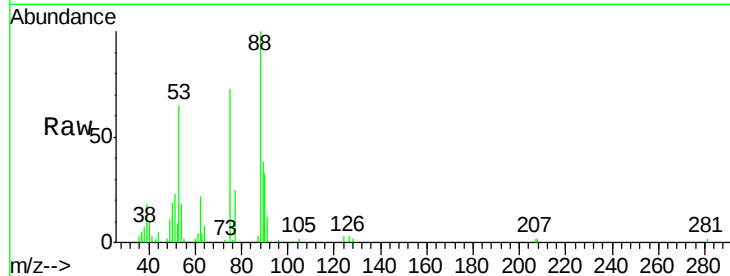
89 54.2 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

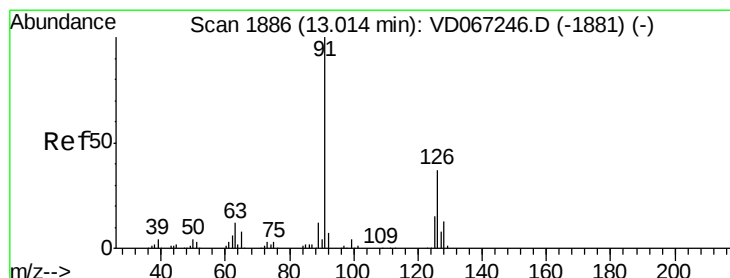
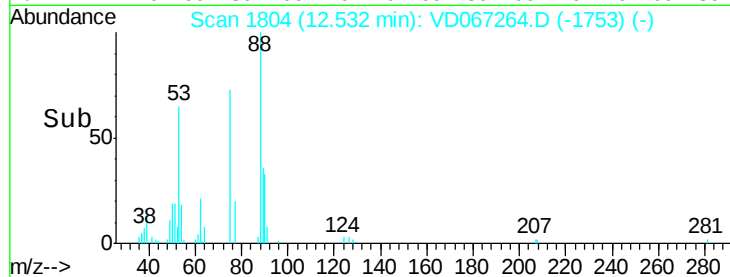
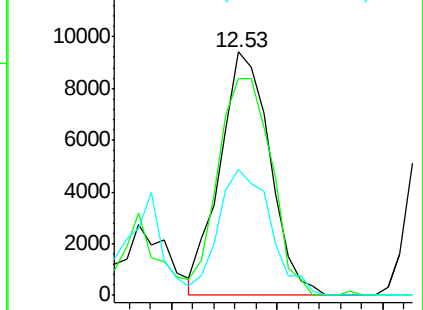
10/15/2020 12:18:46 PM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.496 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067264.D

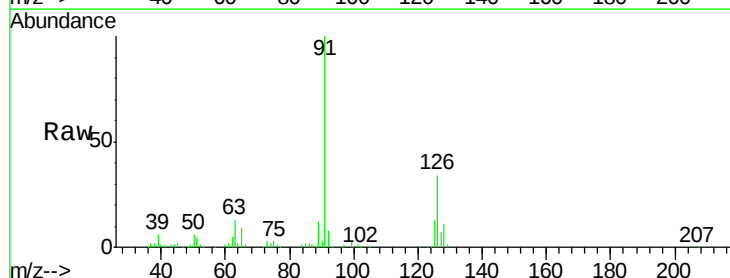
Acq: 14 Oct 2020 12:05

Tgt Ion: 91 Resp: 228263

Ion Ratio Lower Upper

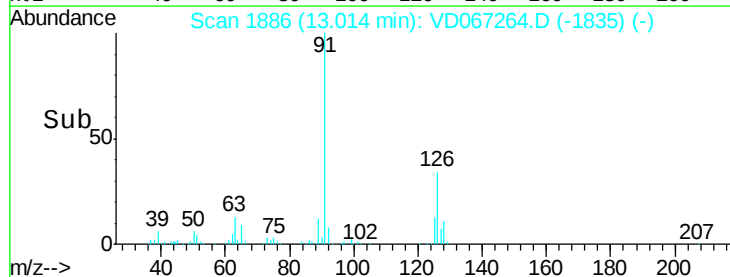
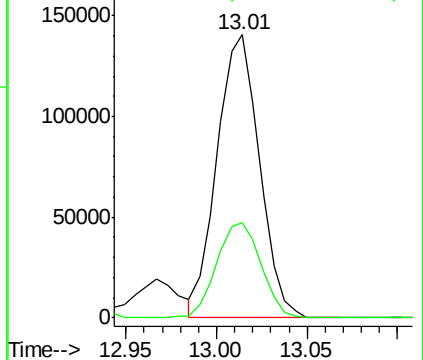
91 100

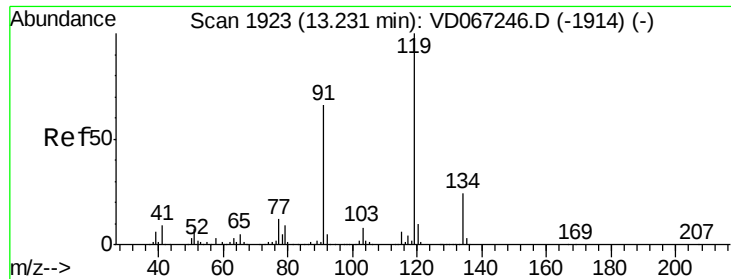
126 35.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





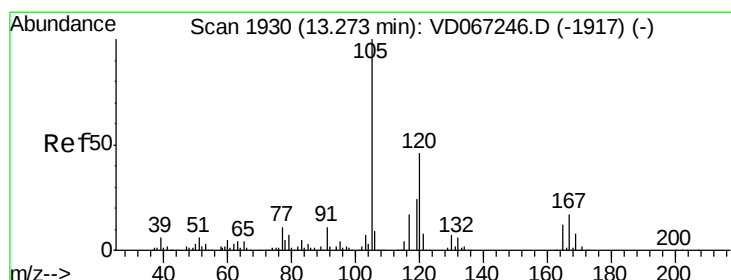
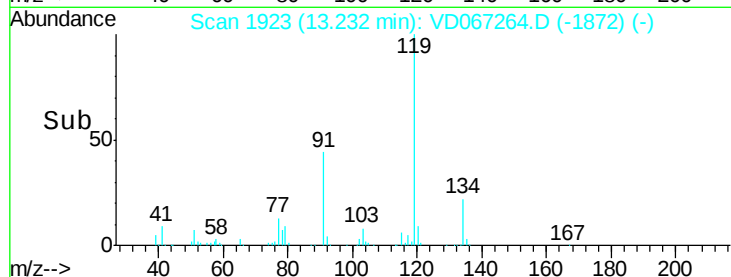
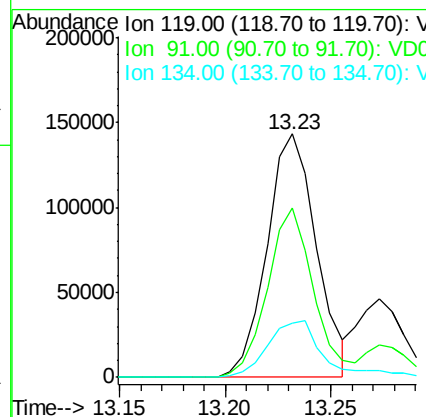
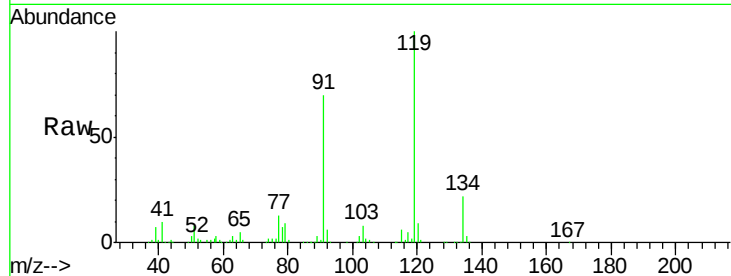
#83
tert-Butylbenzene
Concen: 21.340 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233250		
91	65.4	33.1	99.2	
134	26.4	13.3	39.9	

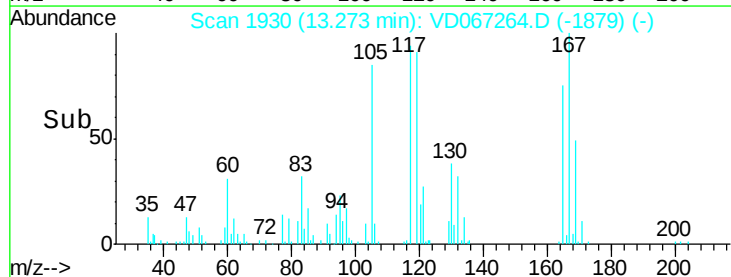
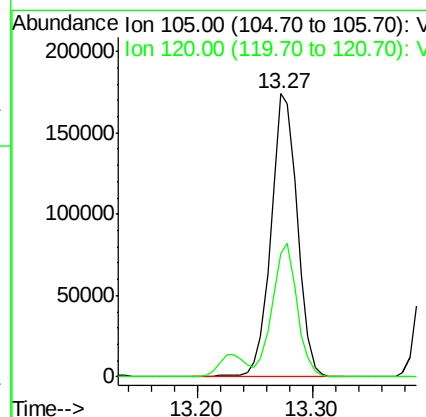
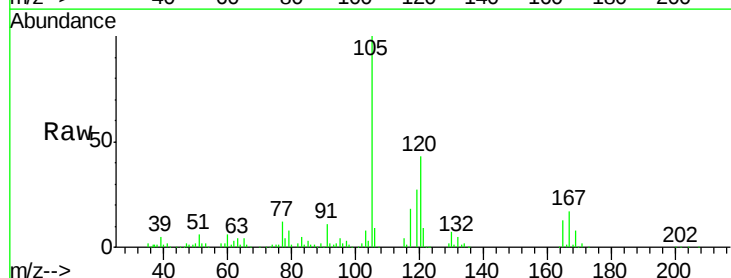
Manual Integrations
APPROVED

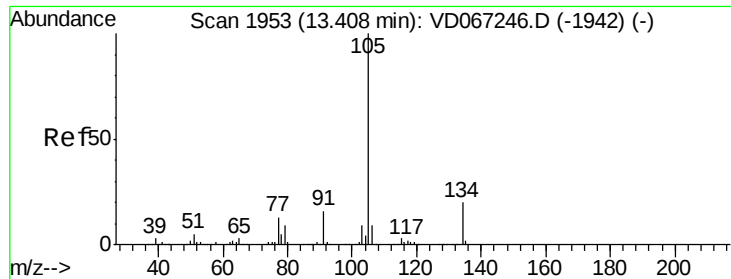
MMDadoda
10/15/2020 12:18:46 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.651 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276898		
120	44.3	22.4	67.3	





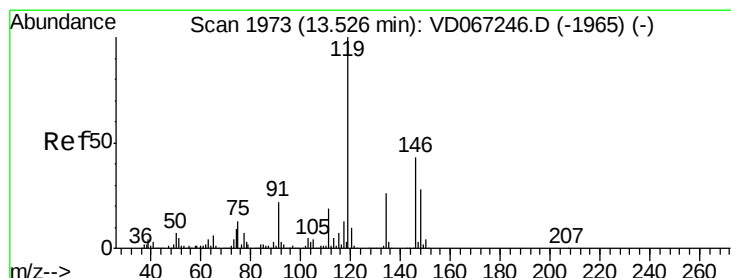
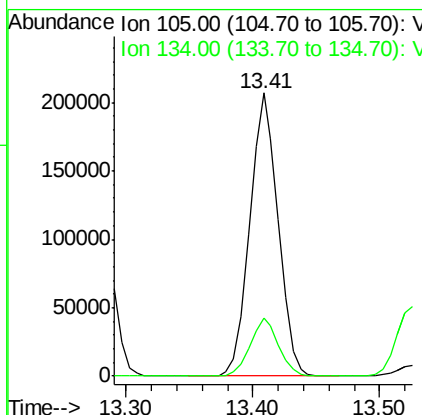
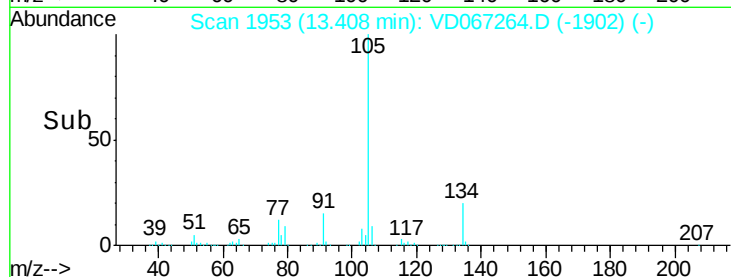
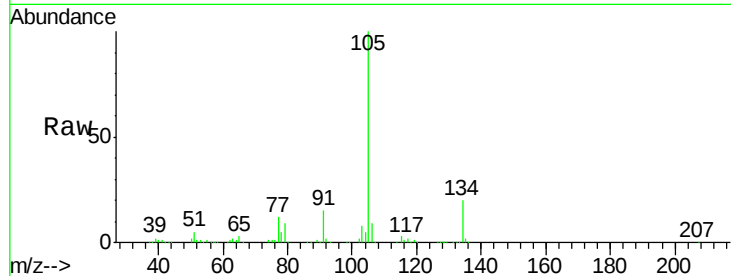
#85
 sec-Butylbenzene
 Concen: 21.350 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.5	31.5

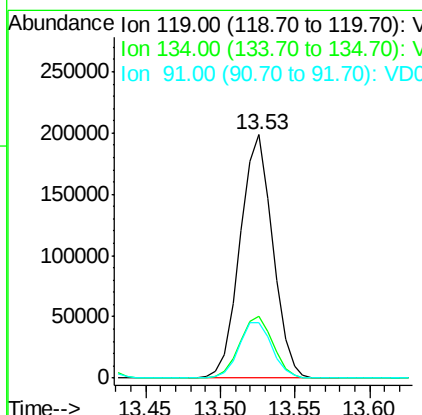
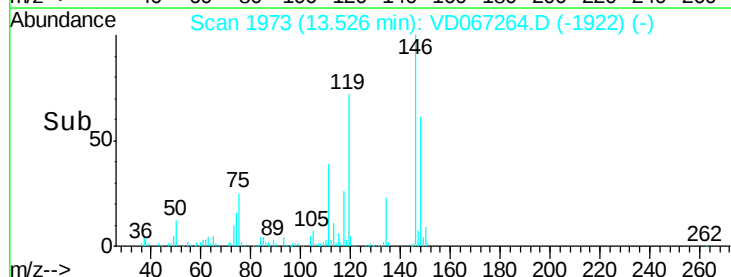
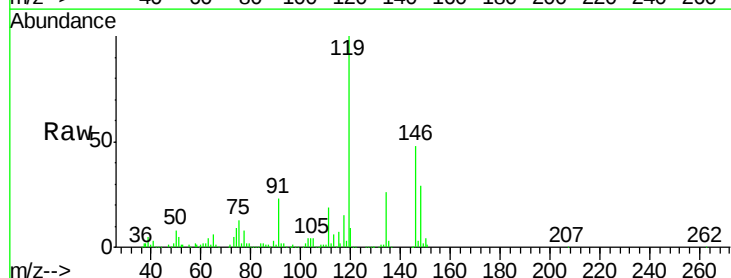
Manual Integrations
 APPROVED

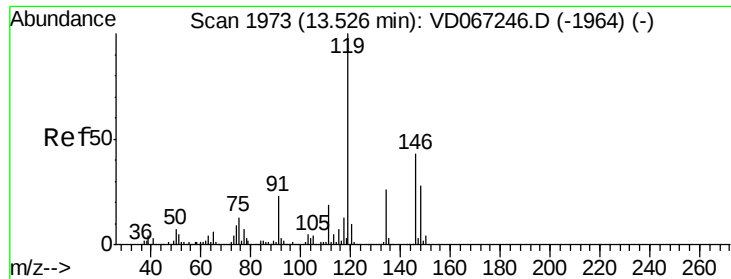
MMDadoda
 10/15/2020 12:18:46 PM



#86
 p-Isopropyltoluene
 Concen: 21.290 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.3
91	23.5	11.9	35.9





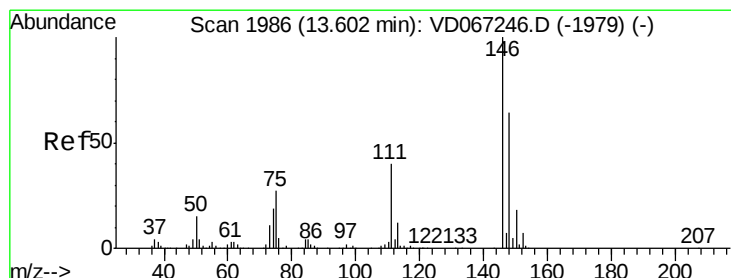
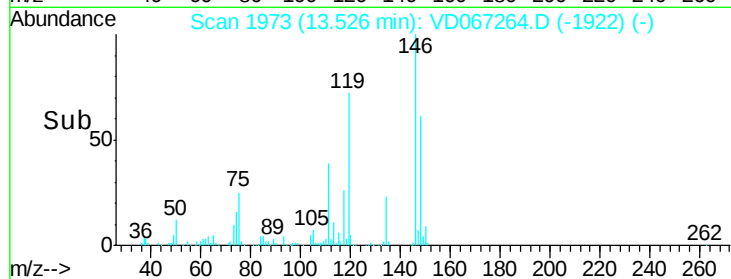
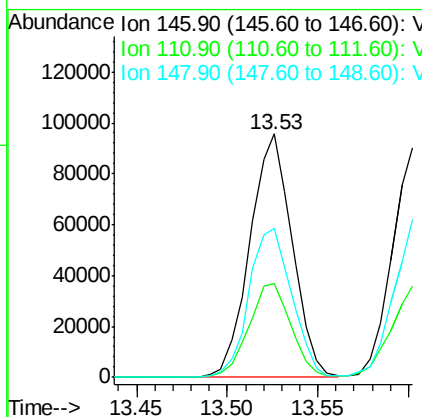
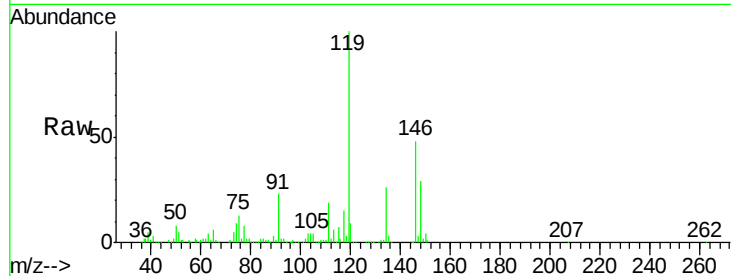
#87
 1,3-Dichlorobenzene
 Concen: 21.685 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	154945		
111	38.6	21.1	63.3	
148	62.0	31.9	95.9	

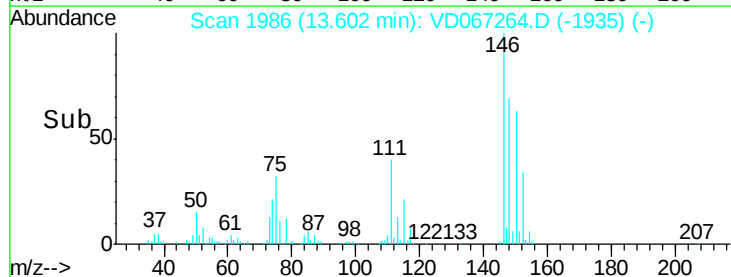
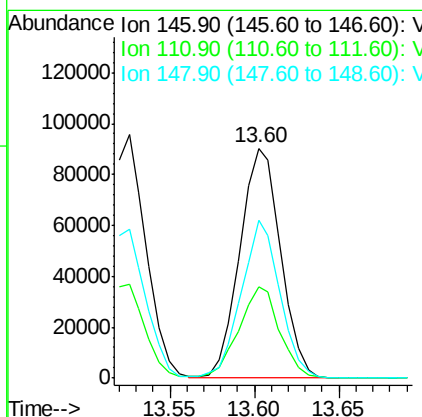
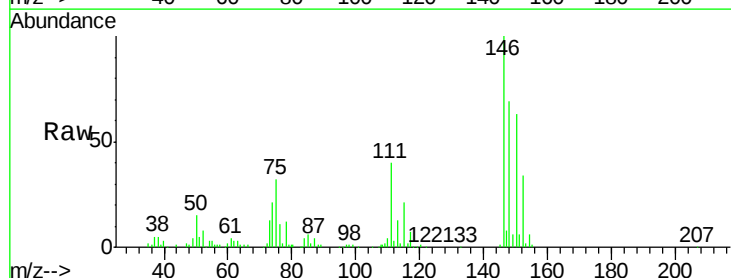
Manual Integrations
 APPROVED

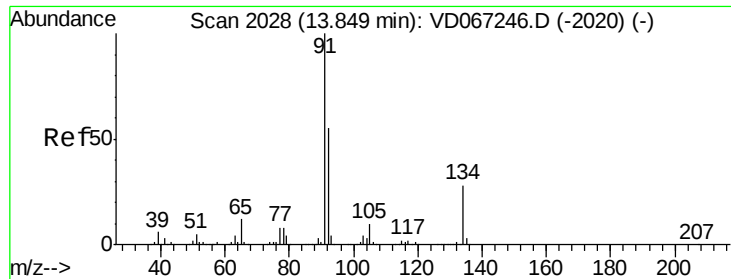
MMDadoda
 10/15/2020 12:18:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.408 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	151553		
111	39.8	19.9	59.7	
148	65.3	31.9	95.9	





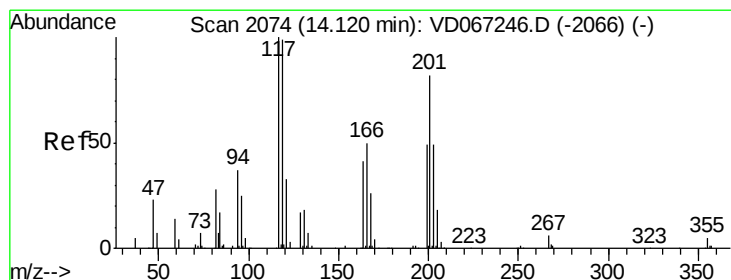
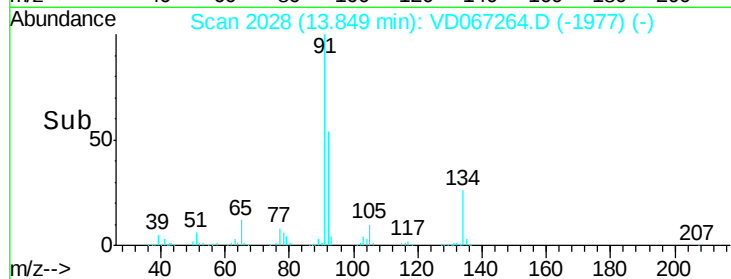
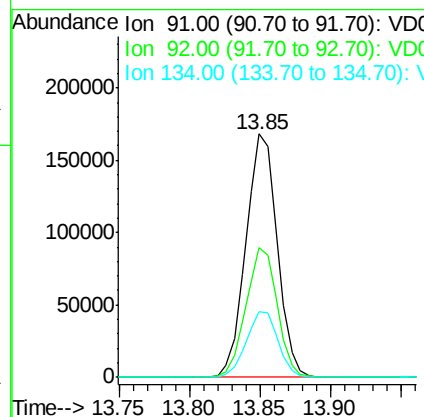
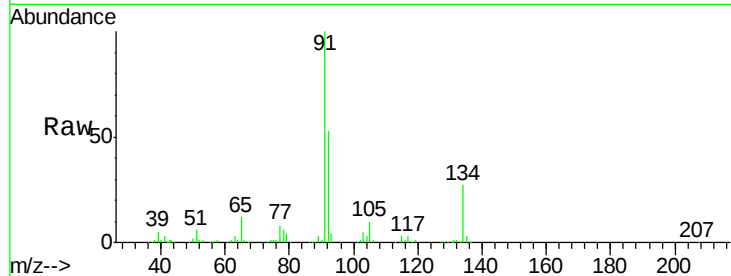
#89
n-Butylbenzene
Concen: 21.010 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	27.3	14.2	42.6

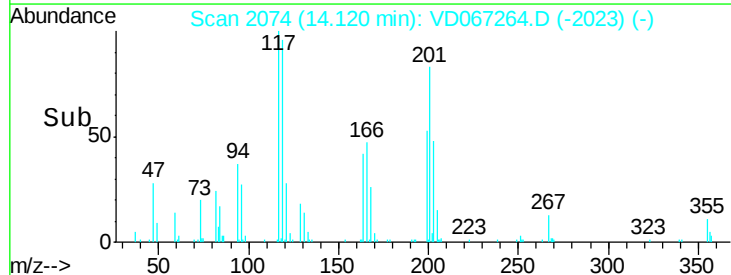
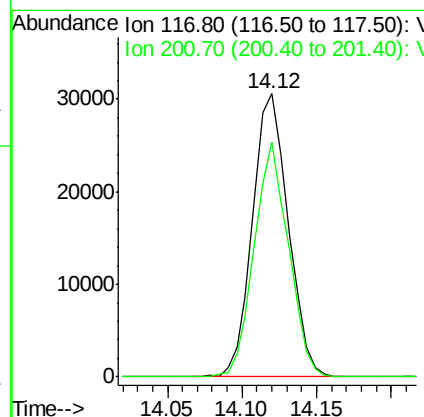
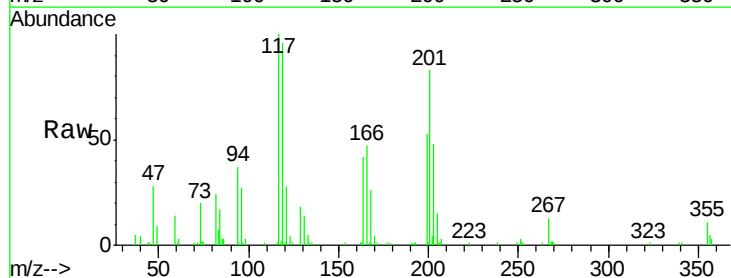
Manual Integrations
APPROVED

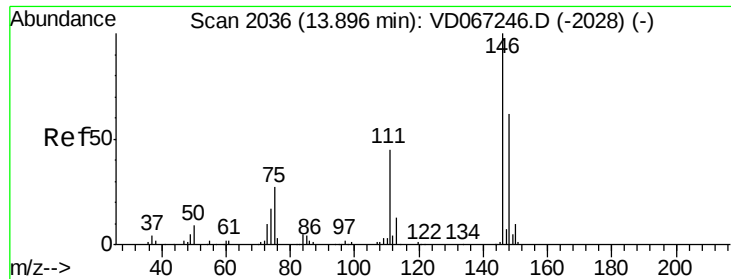
MMDadoda
10/15/2020 12:18:46 PM



#90
Hexachloroethane
Concen: 20.451 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	40.8	122.2





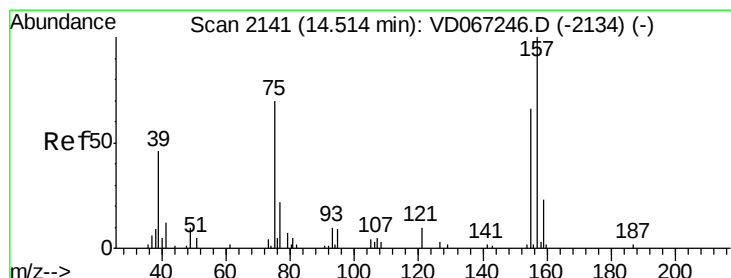
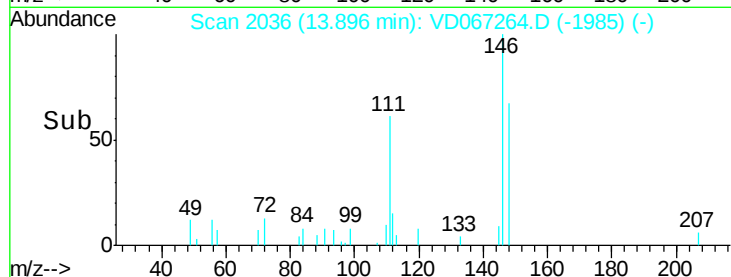
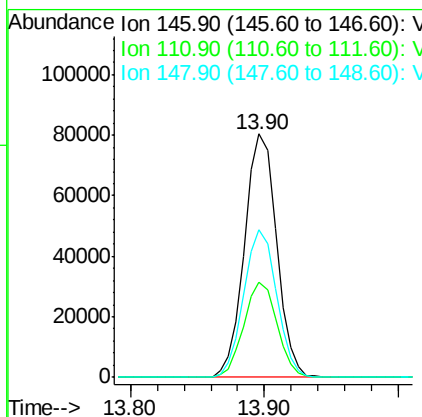
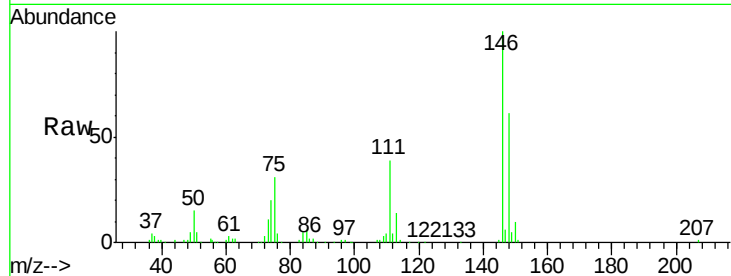
#91
 1,2-Dichlorobenzene
 Concen: 21.413 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	22.0	66.0
148	61.9	32.5	97.5

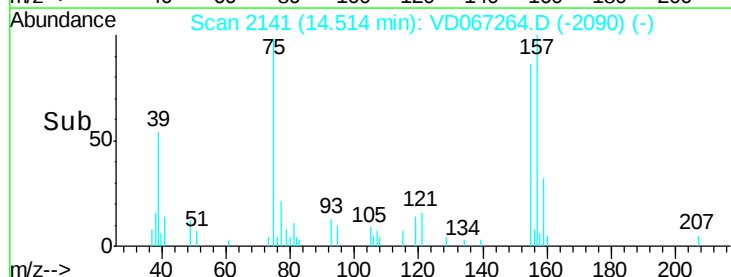
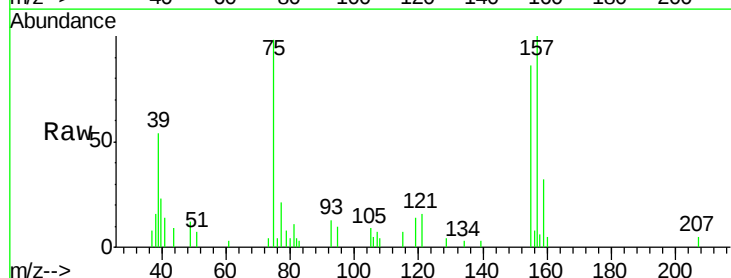
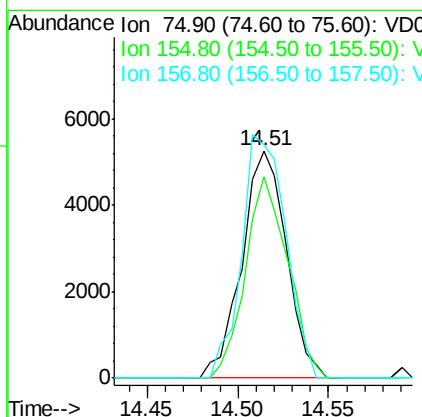
Manual Integrations
 APPROVED

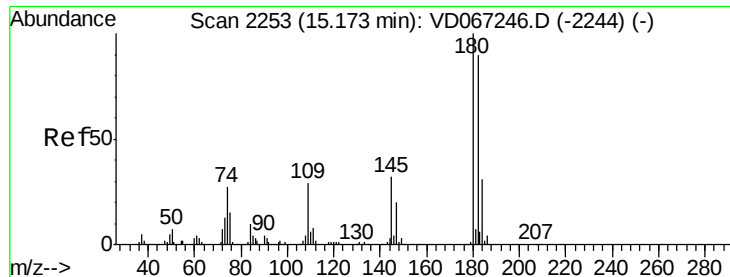
MMDadoda
 10/15/2020 12:18:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.564 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	44.8	134.4
157	106.2	62.5	187.4





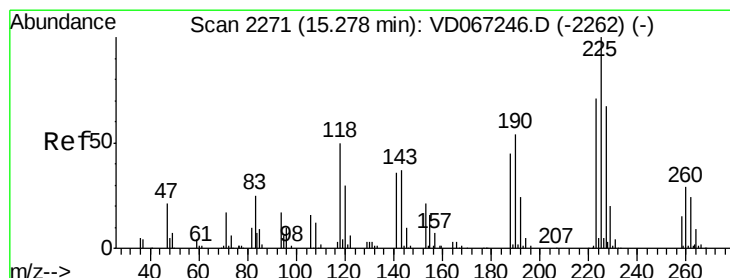
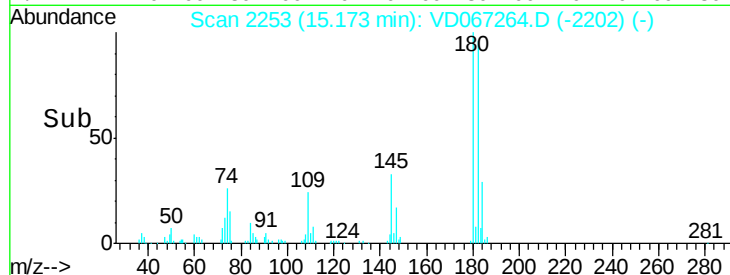
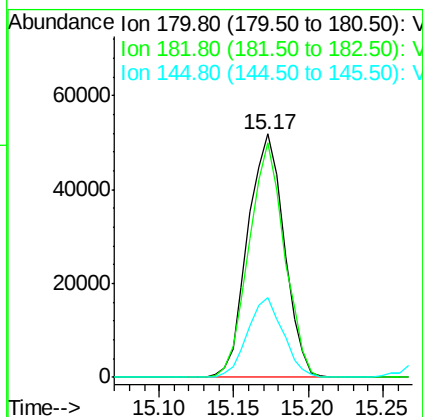
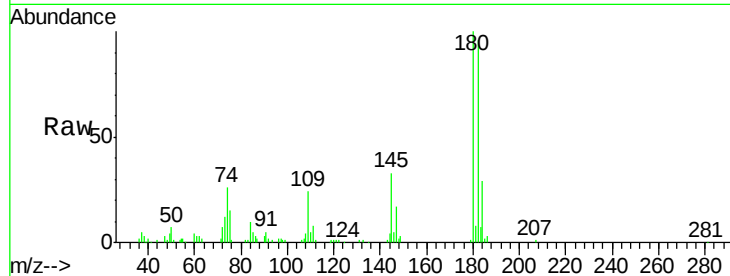
#93
 1,2,4-Trichlorobenzene
 Concen: 20.799 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	48.1	144.4	
145	32.3	16.3	48.9	

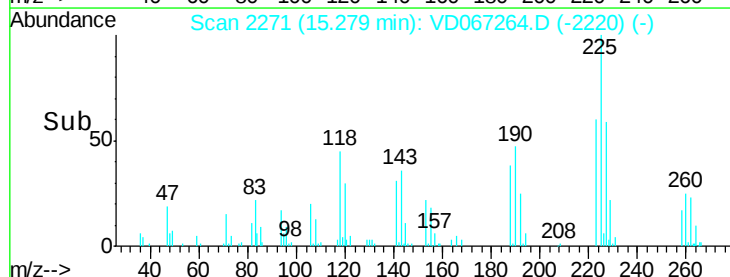
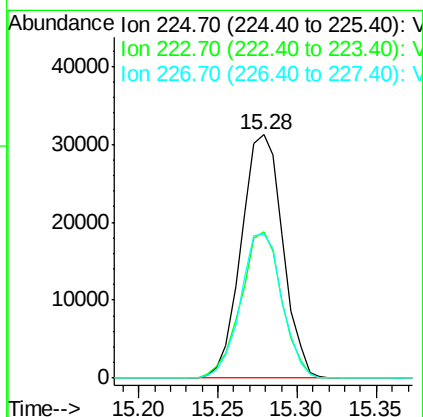
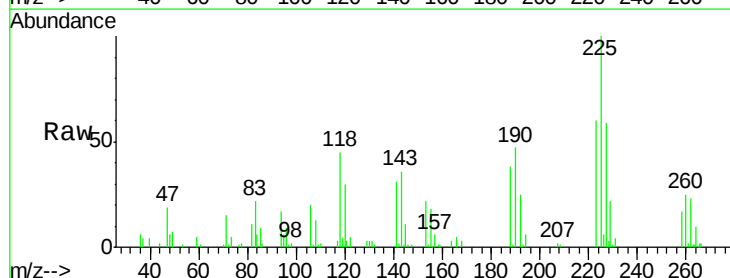
Manual Integrations
 APPROVED

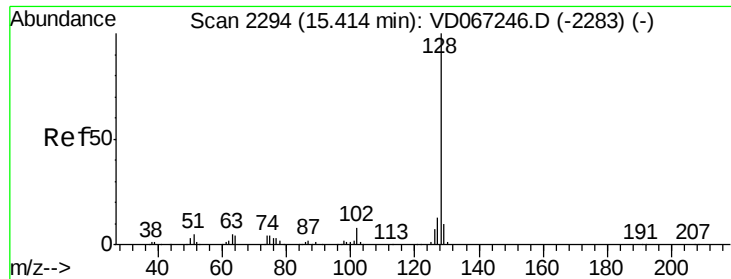
MMDadoda
 10/15/2020 12:18:46 PM



#94
 Hexachlorobutadiene
 Concen: 21.719 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067264.D
 Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.4	31.9	95.7	
227	59.4	31.2	93.6	





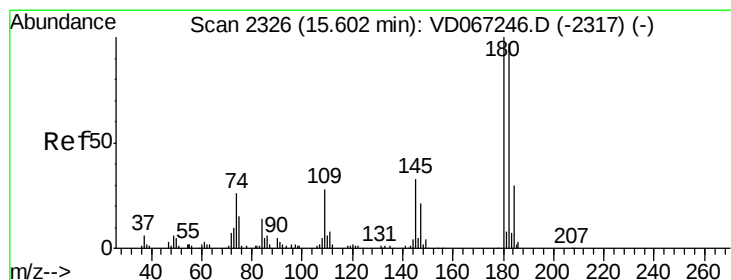
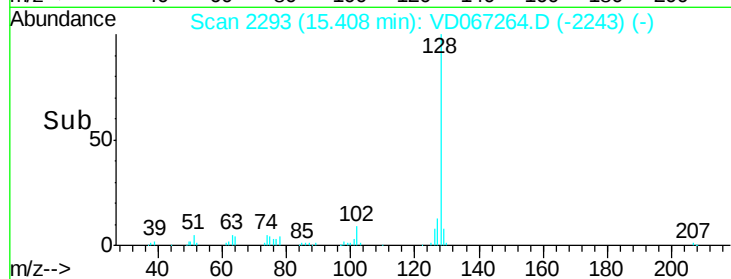
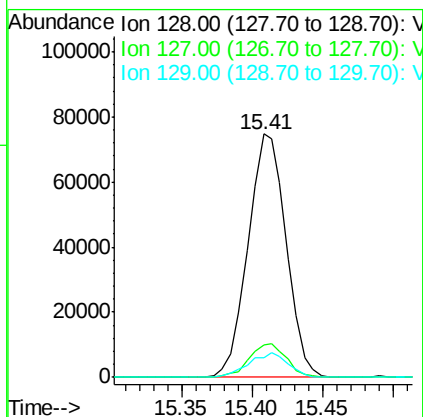
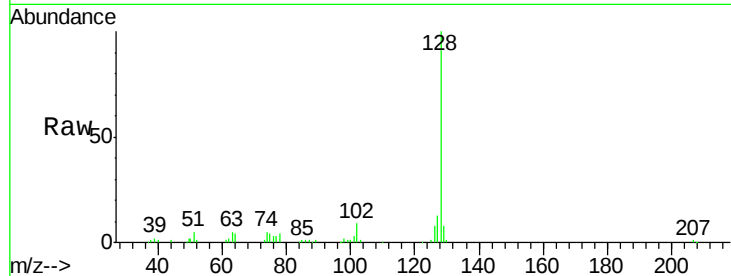
#95
Naphthalene
Concen: 20.483 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.286 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067264.D
Acq: 14 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.1	144.3
145	34.9	17.3	51.9

