

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064092.D
 Acq On : 29 Oct 2019 16:49
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:40 AM

Quant Time: Oct 30 08:22:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	235458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	345185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	104936	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
35) Dibromofluoromethane	7.93	113	115129	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.34	98	459981	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.64	95	150462	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	50295	20.919	ug/l 99
3) Chloromethane	2.21	50	85327	21.271	ug/l 96
4) Vinyl Chloride	2.35	62	93722	21.544	ug/l 93
5) Bromomethane	2.76	94	61014	21.521	ug/l 97
6) Chloroethane	2.92	64	58568	21.676	ug/l 91
7) Trichlorofluoromethane	3.27	101	125493	20.955	ug/l 93
8) Diethyl Ether	3.71	74	20983	20.158	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	44437	20.591	ug/l 95
10) Methyl Iodide	4.29	142	52877	19.776	ug/l 99
11) Tert butyl alcohol	5.25	59	8187	80.289	ug/l # 91
12) 1,1-Dichloroethene	4.06	96	42849	20.979	ug/l 95
13) Acrolein	3.93	56	12121	101.515	ug/l 93
14) Allyl chloride	4.71	41	51219	21.425	ug/l 98
15) Acrylonitrile	5.43	53	41544	108.045	ug/l 96
16) Acetone	4.16	43	34730	97.474	ug/l 100
17) Carbon Disulfide	4.40	76	133277	21.234	ug/l 95
18) Methyl Acetate	4.73	43	20302	21.421	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	87234	21.048	ug/l 96
20) Methylene Chloride	4.96	84	54280	21.525	ug/l # 90
21) trans-1,2-Dichloroethene	5.47	96	46788	20.406	ug/l 94
22) Diisopropyl ether	6.37	45	108067	20.412	ug/l 98
23) Vinyl Acetate	6.31	43	312300	107.612	ug/l 99
24) 1,1-Dichloroethane	6.26	63	73625	20.593	ug/l 96
25) 2-Butanone	7.23	43	51242	104.029	ug/l # 86
26) 2,2-Dichloropropane	7.21	77	68365	20.147	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	51109	19.921	ug/l 99
28) Bromochloromethane	7.55	49	20879	16.558	ug/l 97
29) Tetrahydrofuran	7.57	42	30842	107.286	ug/l 97
30) Chloroform	7.72	83	86537	21.153	ug/l 88
31) Cyclohexane	7.98	56	69919	20.074	ug/l 92
32) 1,1,1-Trichloroethane	7.91	97	79341	20.834	ug/l 97
36) 1,1-Dichloropropene	8.11	75	68329	20.471	ug/l 97
37) Ethyl Acetate	7.30	43	24152	23.508	ug/l # 87
38) Carbon Tetrachloride	8.10	117	75681	20.781	ug/l 99

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064092.D
 Acq On : 29 Oct 2019 16:49
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:40 AM

Quant Time: Oct 30 08:22:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82561	20.149	ug/l	98
40) Benzene	8.36	78	184683	20.290	ug/l	100
41) Methacrylonitrile	7.53	41	13175	22.221	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	48858	20.320	ug/l	97
43) Isopropyl Acetate	8.46	43	41678	20.073	ug/l #	61
44) Trichloroethene	9.11	130	57401	20.806	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41878	19.852	ug/l	93
46) Dibromomethane	9.48	93	26027	20.486	ug/l	96
47) Bromodichloromethane	9.67	83	63722	19.882	ug/l	96
48) Methyl methacrylate	9.47	41	20104	20.938	ug/l #	92
49) 1,4-Dioxane	9.47	88	7125	489.943	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	117808	104.222	ug/l	99
52) Toluene	10.41	92	129921	20.367	ug/l	93
53) t-1,3-Dichloropropene	10.63	75	57475	19.211	ug/l	89
54) cis-1,3-Dichloropropene	10.09	75	70988	20.168	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	35842	19.898	ug/l #	90
56) Ethyl methacrylate	10.67	69	39928	20.155	ug/l	95
57) 1,3-Dichloropropane	10.95	76	58141	19.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	79134	100.279	ug/l	97
59) 2-Hexanone	10.99	43	83790	100.167	ug/l	99
60) Dibromochloromethane	11.14	129	47654	19.492	ug/l	99
61) 1,2-Dibromoethane	11.25	107	37687	20.919	ug/l	97
64) Tetrachloroethene	10.88	164	49188	19.835	ug/l	92
65) Chlorobenzene	11.68	112	148155	20.772	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	52233	19.572	ug/l	99
67) Ethyl Benzene	11.74	91	248240	19.568	ug/l	100
68) m/p-Xylenes	11.86	106	203937	39.967	ug/l	100
69) o-Xylene	12.18	106	91001	19.541	ug/l	96
70) Styrene	12.20	104	157816	19.650	ug/l	98
71) Bromoform	12.37	173	27308	19.159	ug/l #	96
73) Isopropylbenzene	12.48	105	259282	21.077	ug/l	99
74) N-amyl acetate	12.30	43	43896	21.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	39677	20.462	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	23895m	20.087	ug/l	
77) Bromobenzene	12.76	156	60835	20.482	ug/l	98
78) n-propylbenzene	12.83	91	301919	20.942	ug/l	99
79) 2-Chlorotoluene	12.91	91	160529	20.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	213933	20.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12818	22.006	ug/l	94
82) 4-Chlorotoluene	13.01	91	168552	20.412	ug/l	99
83) tert-Butylbenzene	13.23	119	185958	20.109	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	213096	20.603	ug/l	100
85) sec-Butylbenzene	13.40	105	261950	20.627	ug/l	100
86) p-Isopropyltoluene	13.52	119	250307	20.978	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	123316	20.717	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	126846	21.618	ug/l	97
89) n-Butylbenzene	13.85	91	227921	20.710	ug/l	98
90) Hexachloroethane	14.11	117	46302	20.727	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	106622	20.814	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6478	22.875	ug/l	89

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064092.D
Acq On : 29 Oct 2019 16:49
Operator : VA/SY
Sample : VD1029SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

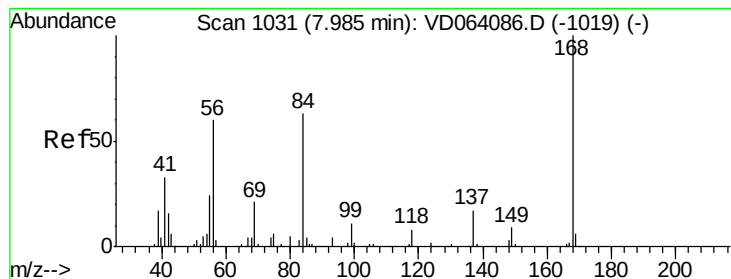
Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM

Quant Time: Oct 30 08:22:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	79480	21.585	ug/l	99
94) Hexachlorobutadiene	15.27	225	44499	20.677	ug/l	99
95) Naphthalene	15.41	128	136503	22.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71228	22.332	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 168 Resp: 235458

Ion Ratio Lower Upper

168 100

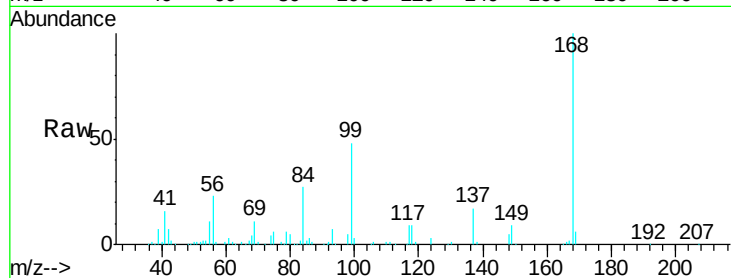
99 48.1 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

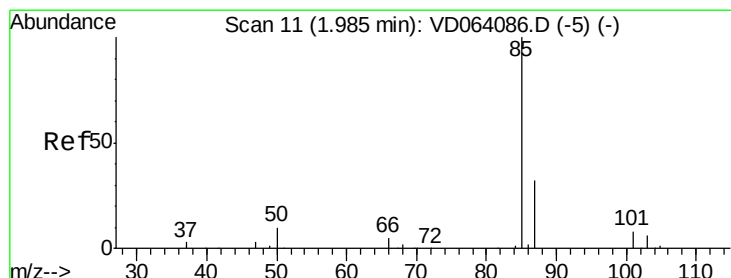
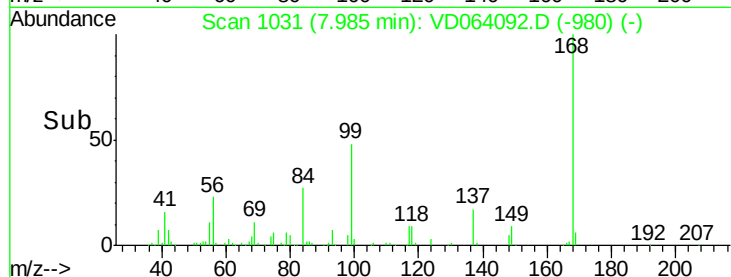
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.919 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064092.D

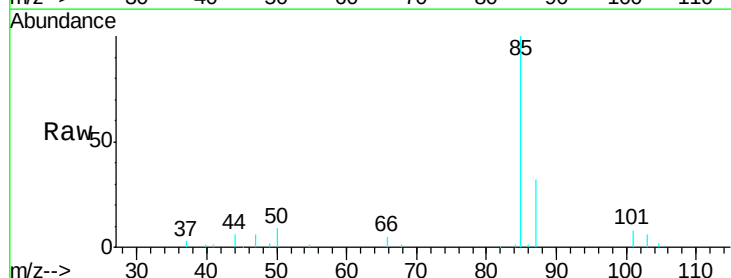
Acq: 29 Oct 2019 16:49

Tgt Ion: 85 Resp: 50295

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

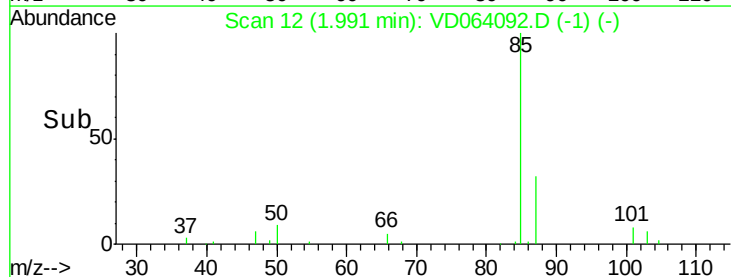
20000

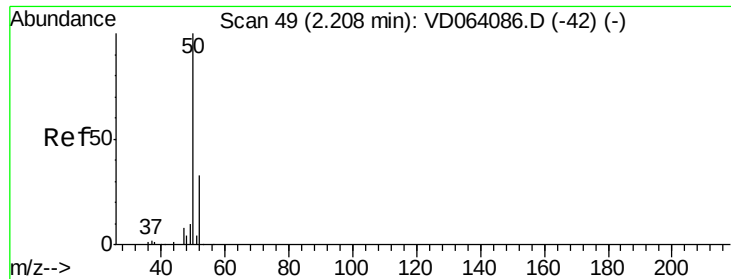
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.271 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 50 Resp: 85327

Ion Ratio Lower Upper

50 100

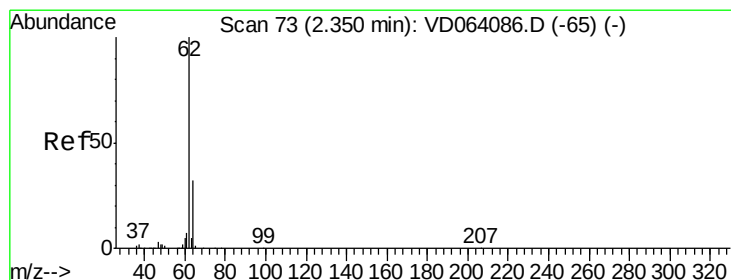
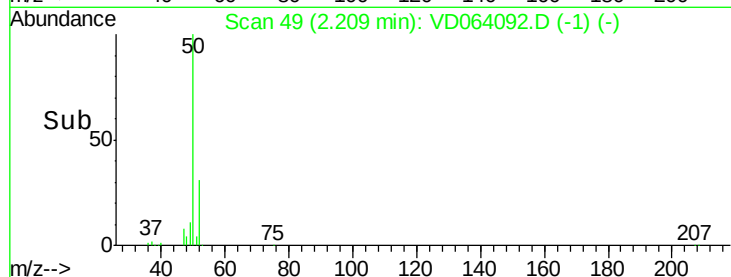
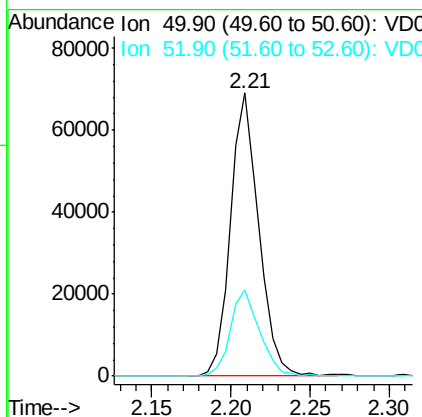
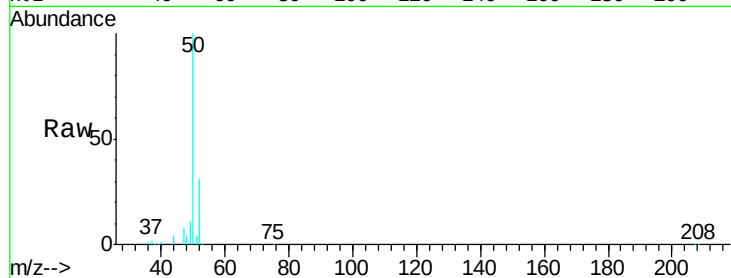
52 30.7 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:40 AM



#4

Vinyl Chloride

Concen: 21.544 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064092.D

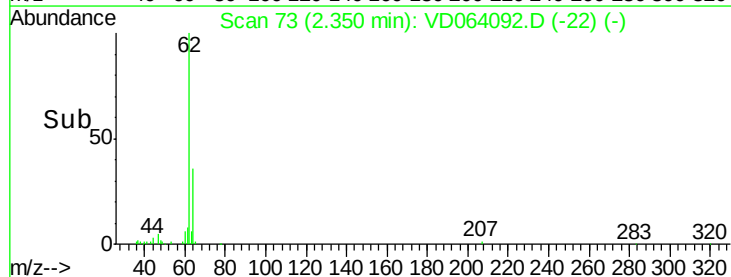
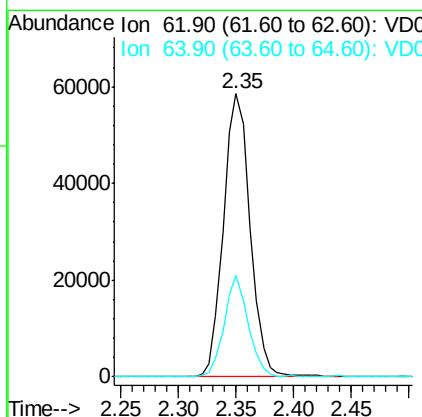
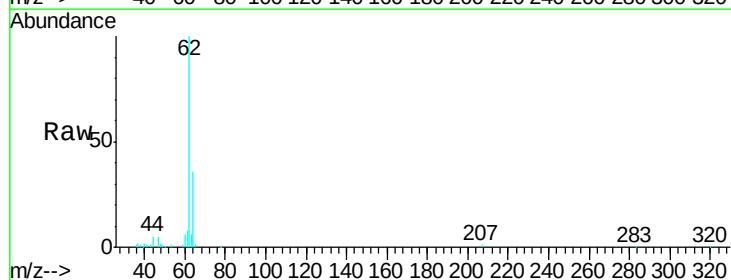
Acq: 29 Oct 2019 16:49

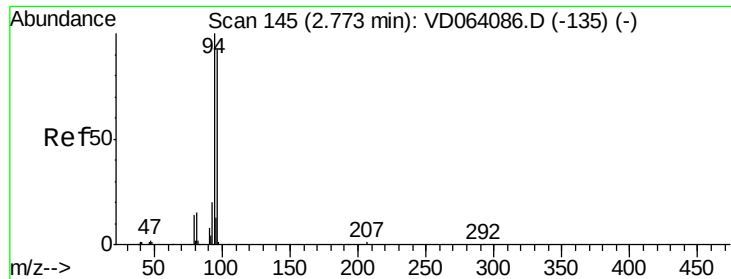
Tgt Ion: 62 Resp: 93722

Ion Ratio Lower Upper

62 100

64 36.1 25.6 38.4





#5

Bromomethane

Concen: 21.521 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 94 Resp: 61014

Ion Ratio Lower Upper

94 100

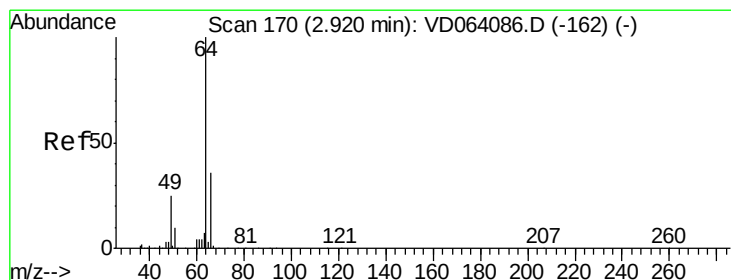
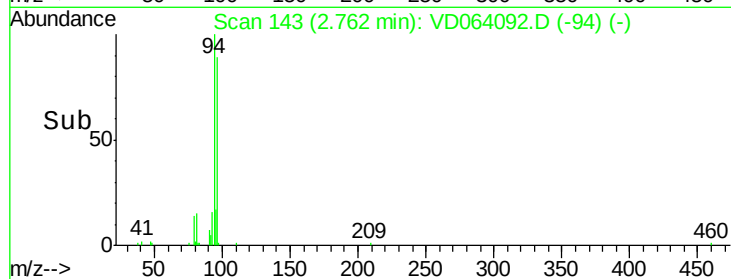
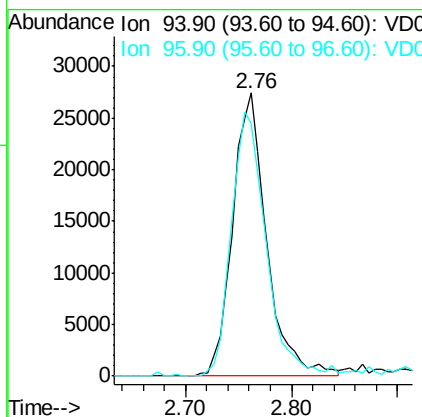
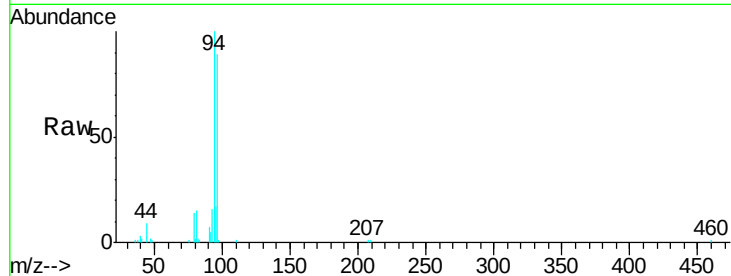
96 89.1 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:40 AM



#6

Chloroethane

Concen: 21.676 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064092.D

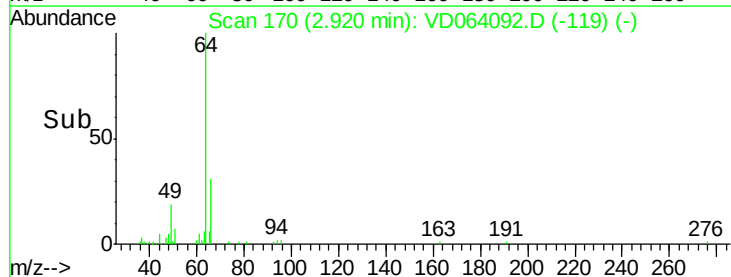
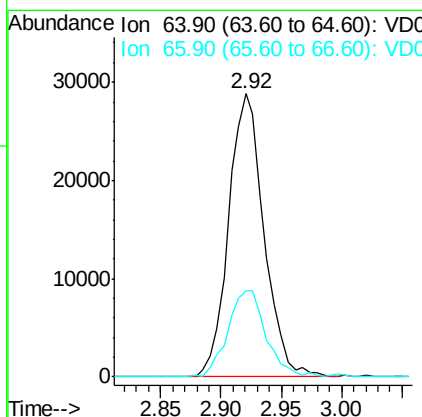
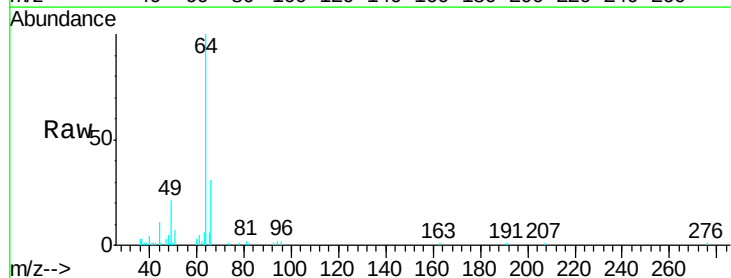
Acq: 29 Oct 2019 16:49

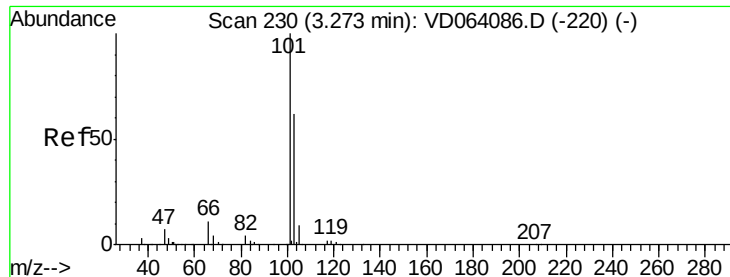
Tgt Ion: 64 Resp: 58568

Ion Ratio Lower Upper

64 100

66 30.6 28.7 43.1





#7

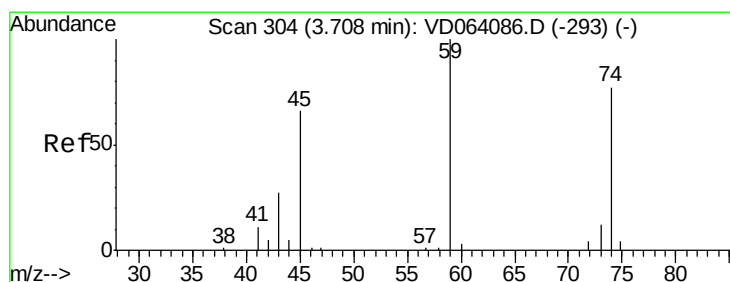
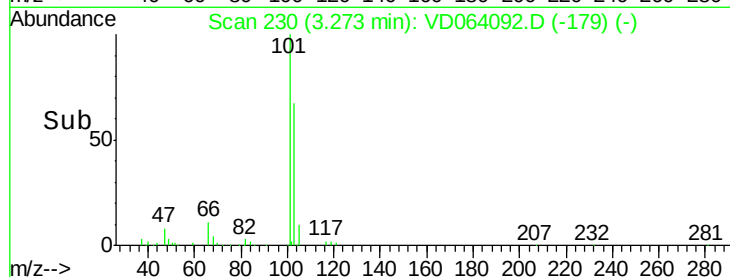
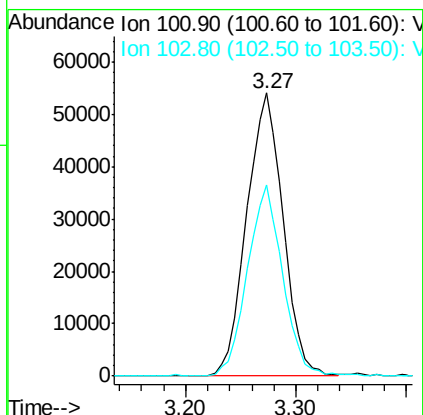
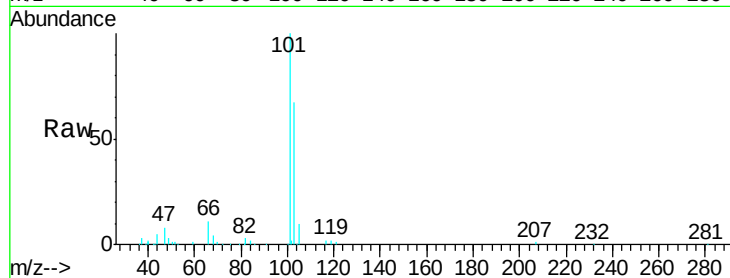
Trichlorofluoromethane
Concen: 20.955 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.6	74.4

Manual Integrations
APPROVED

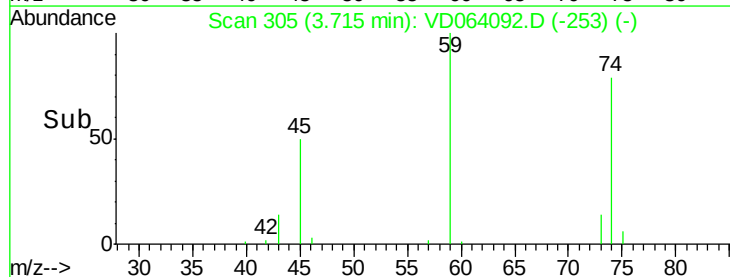
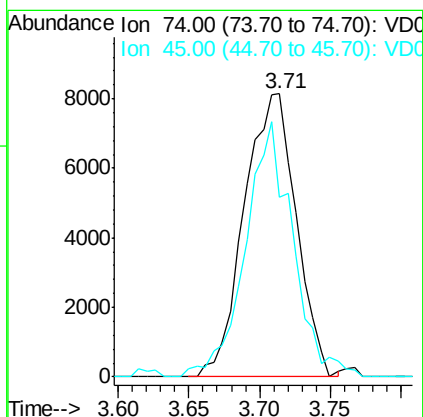
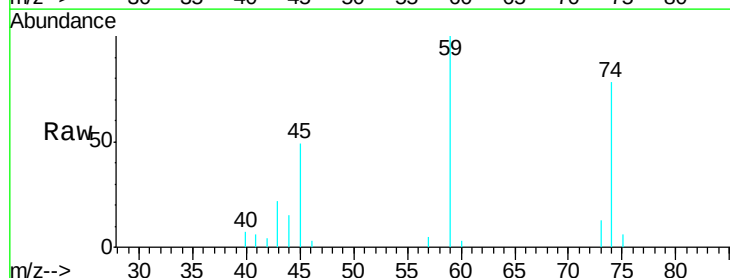
MMDadoda
10/30/2019 10:58:40 AM

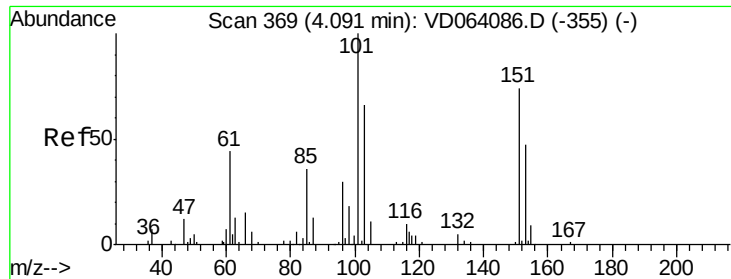


#8

Diethyl Ether
Concen: 20.158 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.3	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

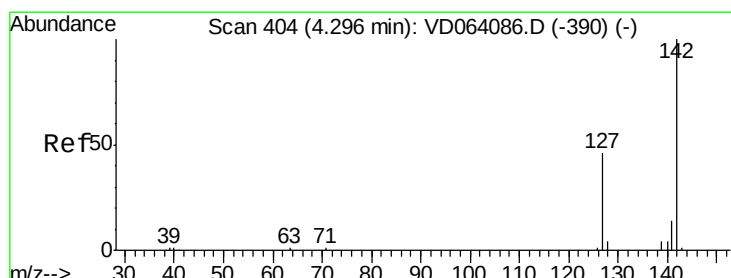
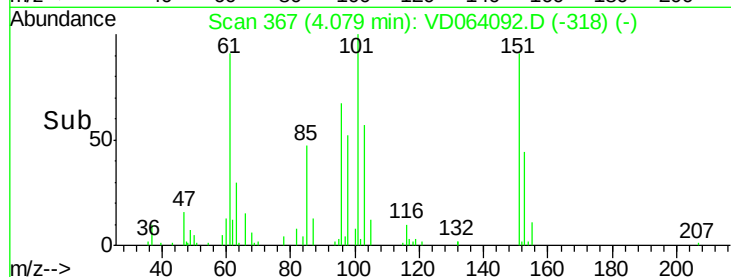
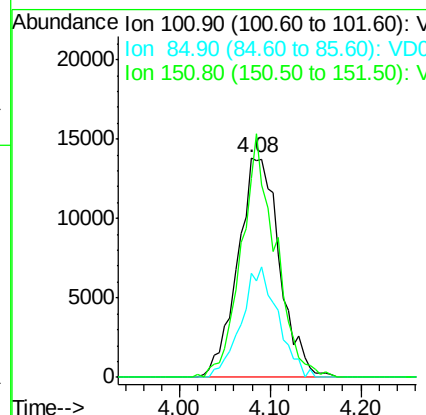
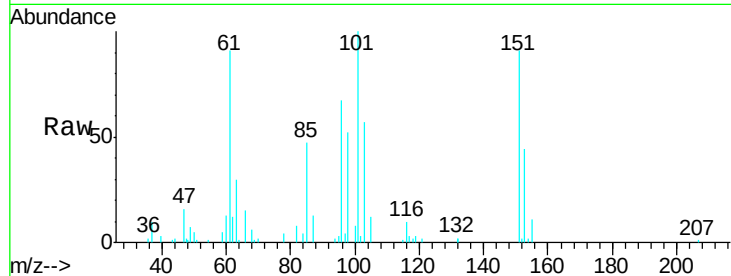
ClientSampleId :

VD1029SBS01

Tgt Ion:	101	Resp:	44437
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.3	52.9
151	90.2	67.0	100.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#10

Methyl Iodide

Concen: 19.776 ug/l

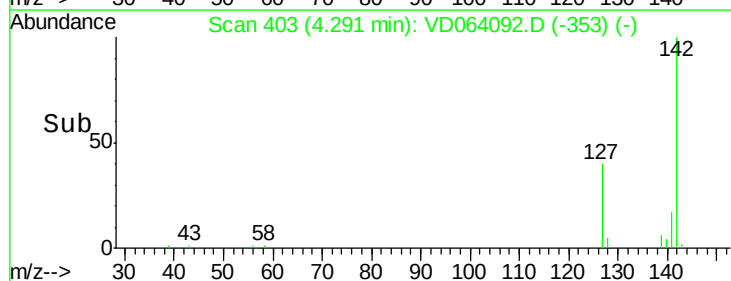
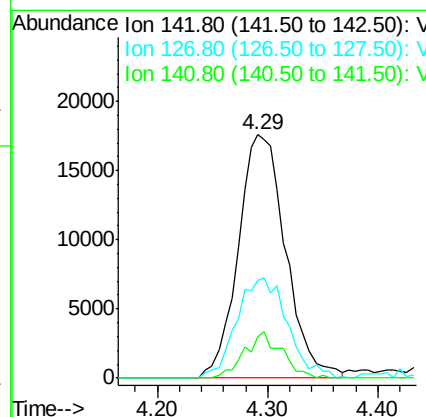
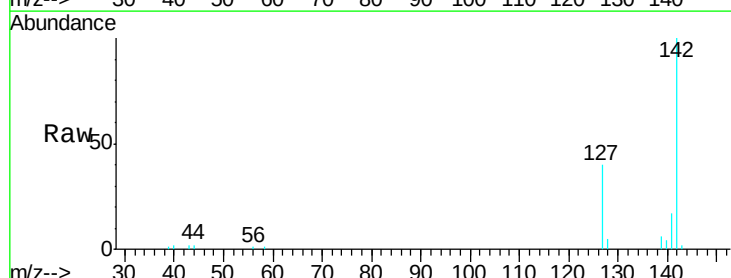
RT: 4.29 min Scan# 403

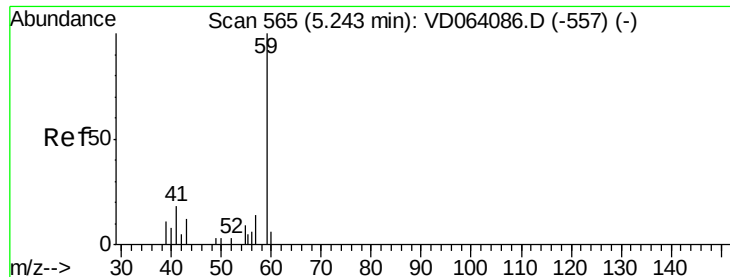
Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	142	Resp:	52877
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.1	52.7
141	15.0	11.6	17.4





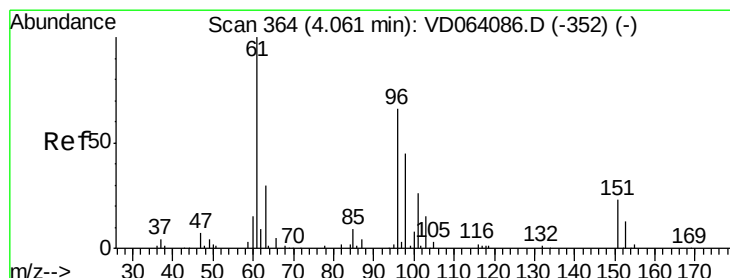
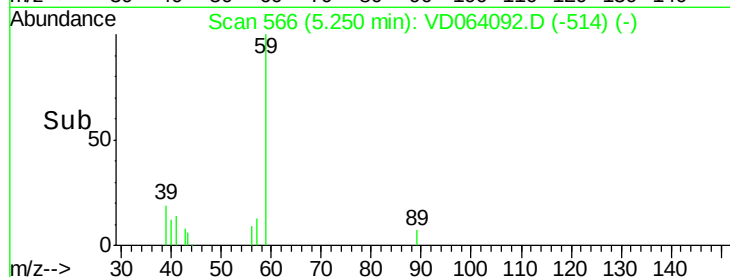
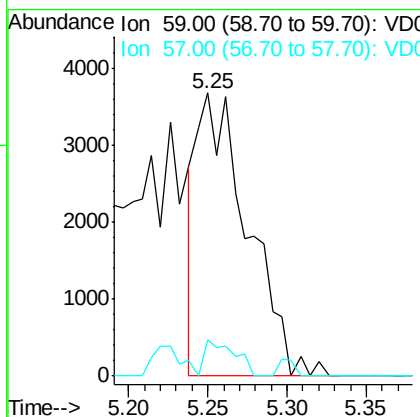
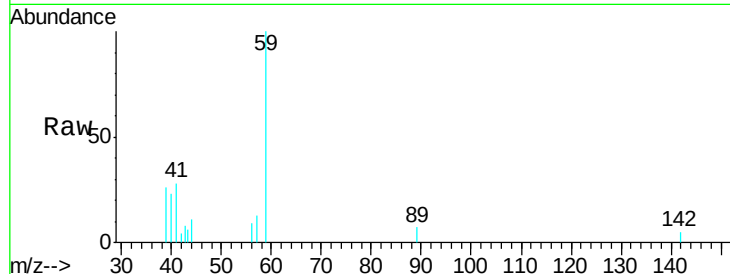
#11
Tert butyl alcohol
Concen: 80.289 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tgt Ion: 59 Resp: 8187
Ion Ratio Lower Upper
59 100
57 7.6 8.7 13.1#

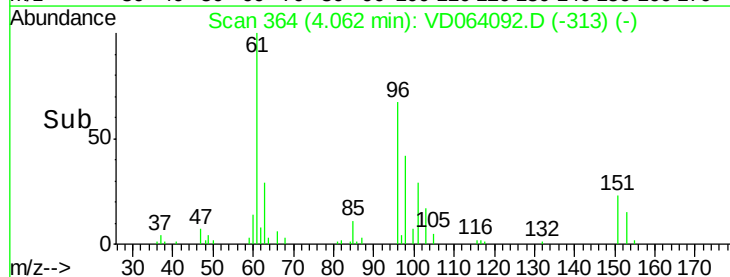
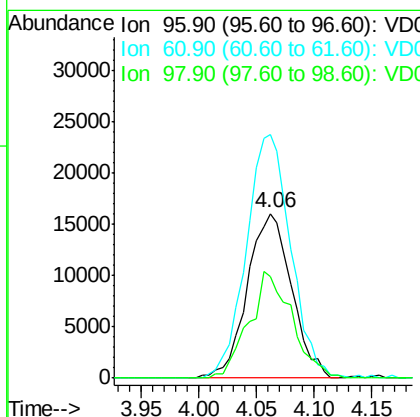
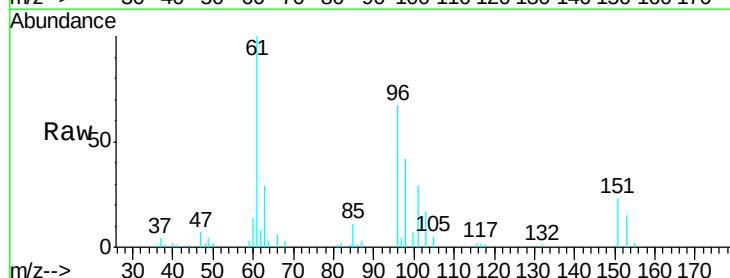
Manual Integrations
APPROVED

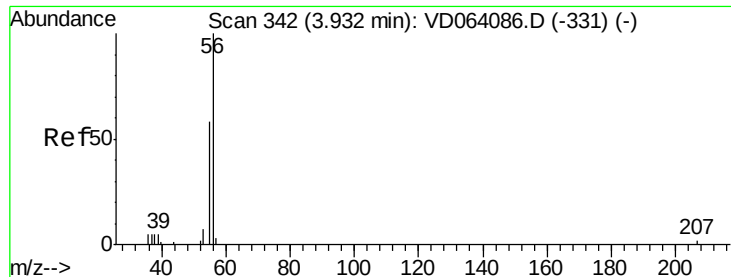
MMDadoda
10/30/2019 10:58:40 AM



#12
1,1-Dichloroethene
Concen: 20.979 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 96 Resp: 42849
Ion Ratio Lower Upper
96 100
61 148.2 121.8 182.6
98 62.2 55.4 83.0





#13

Acrolein

Concen: 101.515 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 56 Resp: 12121

Ion Ratio Lower Upper

56 100

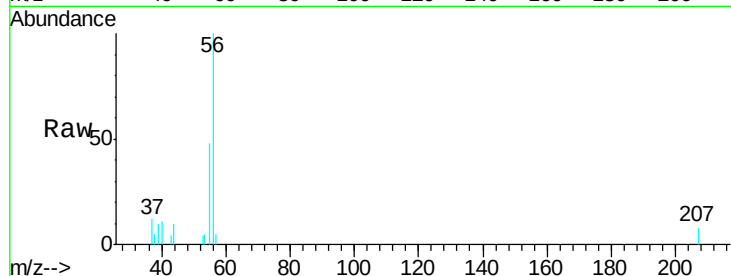
55 61.6 53.8 80.6

Manual Integrations

APPROVED

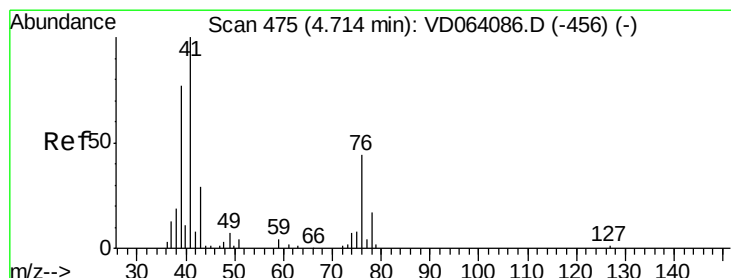
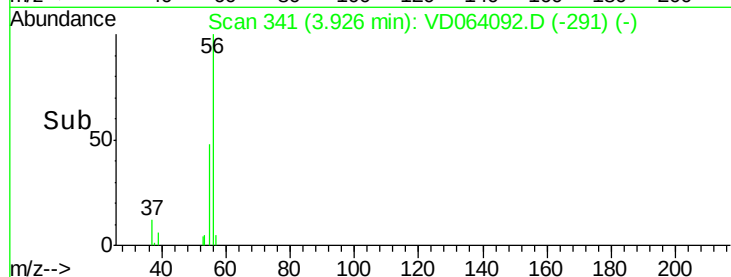
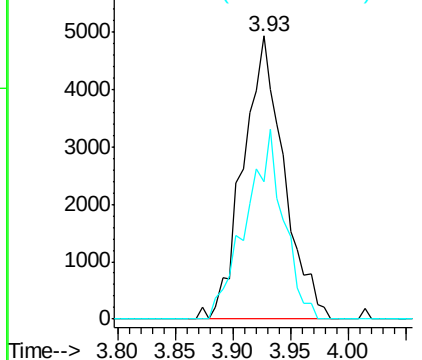
MMDadoda

10/30/2019 10:58:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.425 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

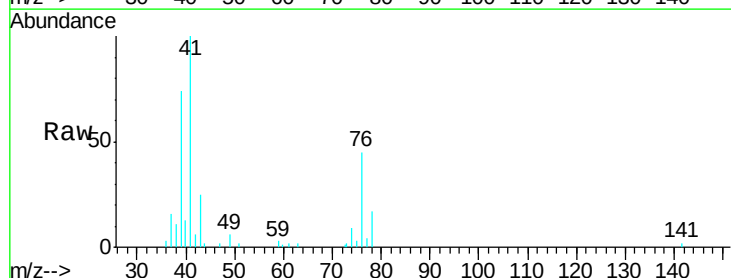
Tgt Ion: 41 Resp: 51219

Ion Ratio Lower Upper

41 100

39 78.4 61.5 92.3

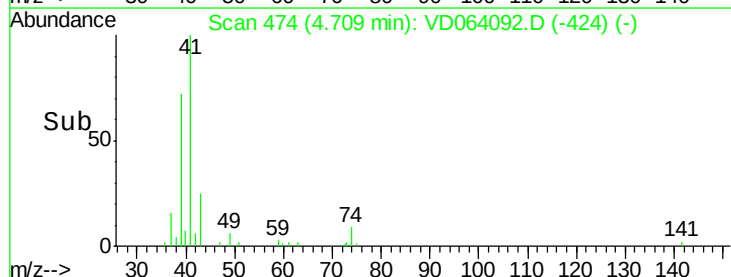
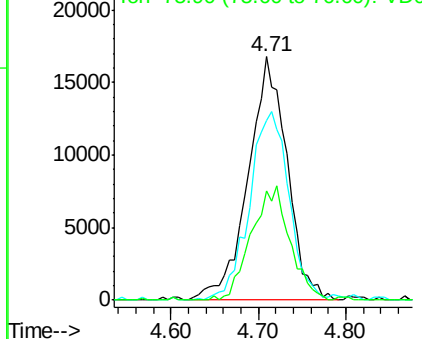
76 46.2 36.2 54.4

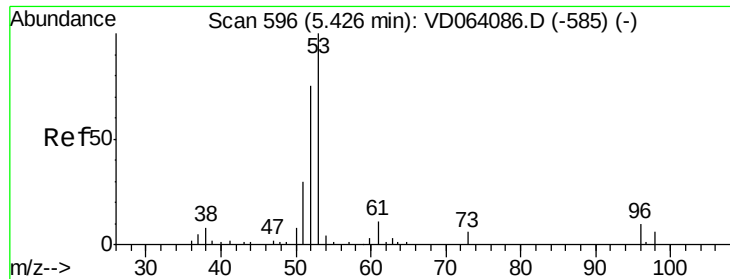


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 108.045 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

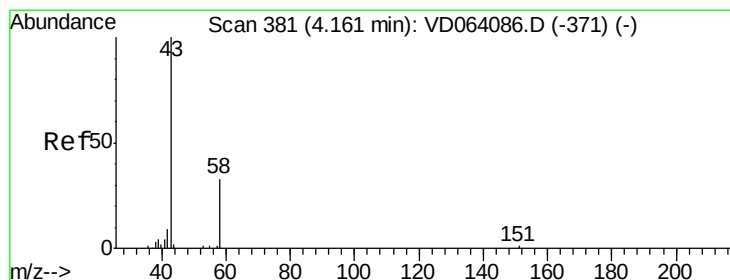
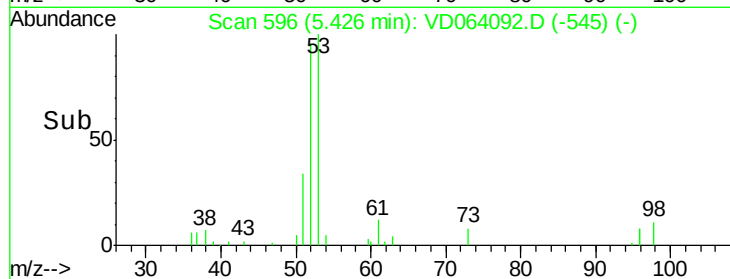
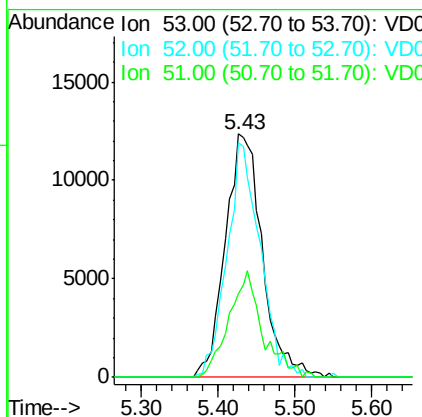
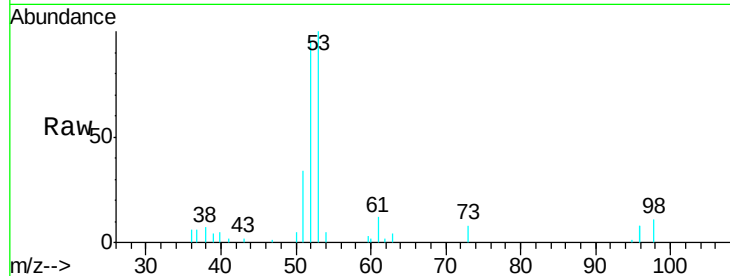
ClientSampleId :

VD1029SBS01

Tgt Ion:	53	Resp:	41544
Ion	Ratio	Lower	Upper
53	100		
52	86.1	66.2	99.4
51	39.9	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#16

Acetone

Concen: 97.474 ug/l

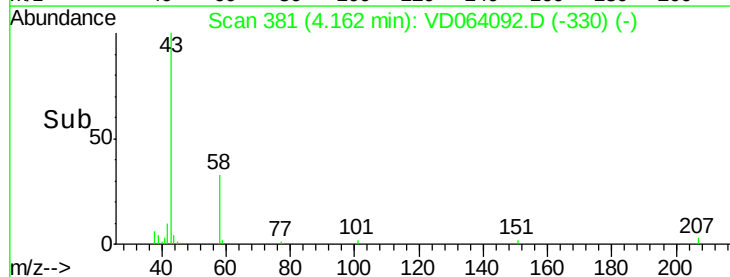
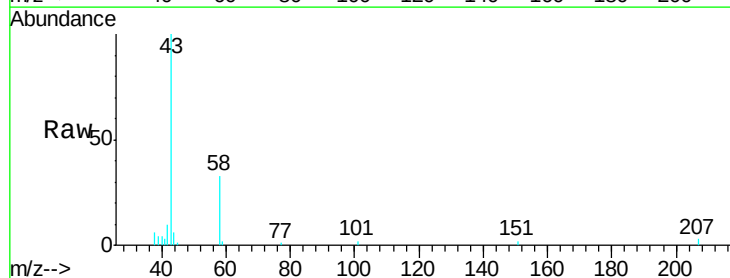
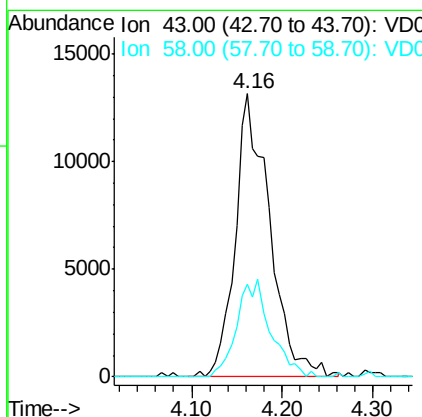
RT: 4.16 min Scan# 381

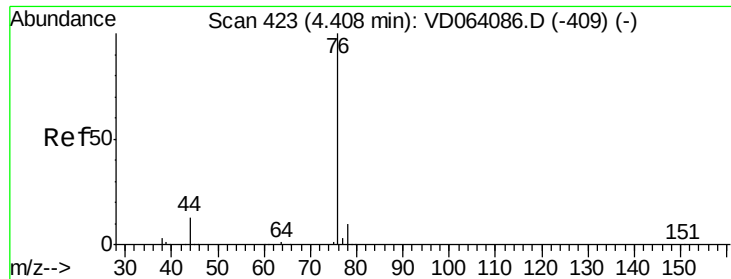
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	43	Resp:	34730
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.3	39.5





#17

Carbon Disulfide

Concen: 21.234 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

Tgt Ion: 76 Resp: 133277

Ion Ratio Lower Upper

76 100

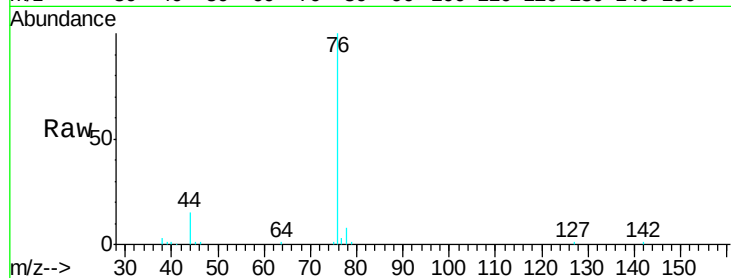
78 8.1 8.1 12.1

Manual Integrations

APPROVED

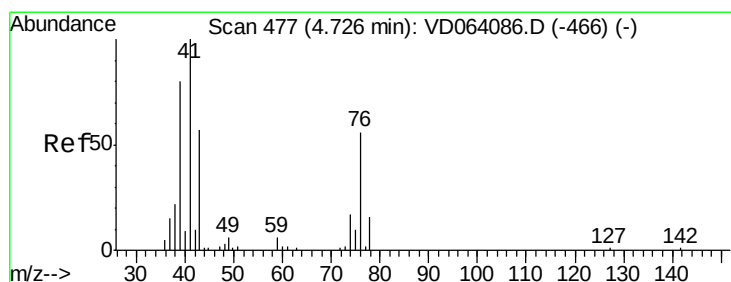
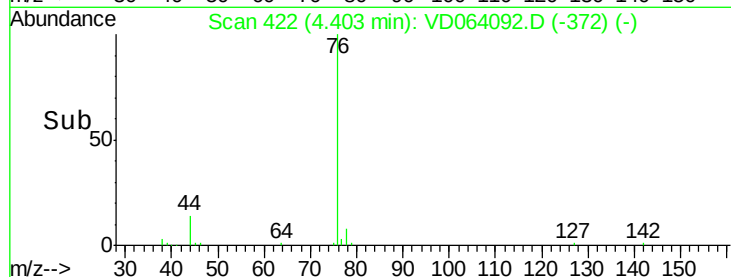
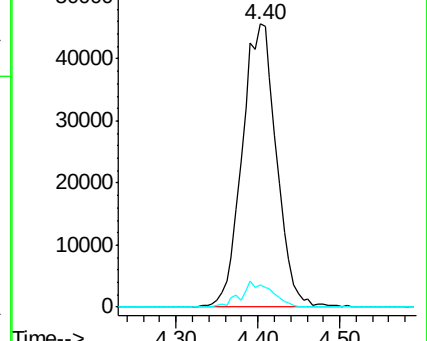
MMDadoda

10/30/2019 10:58:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.421 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064092.D

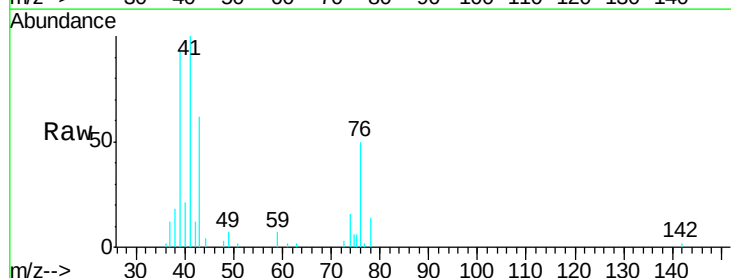
Acq: 29 Oct 2019 16:49

Tgt Ion: 43 Resp: 20302

Ion Ratio Lower Upper

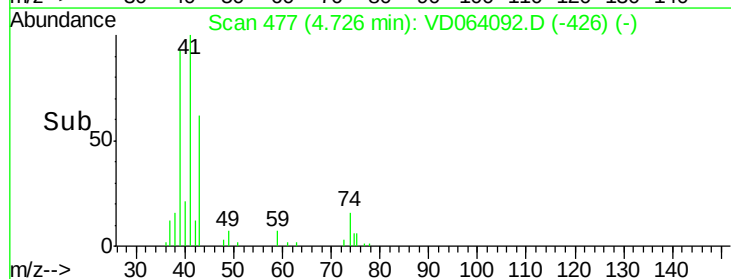
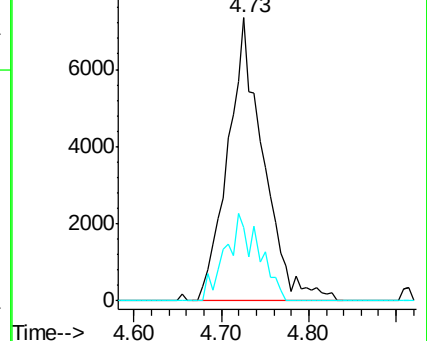
43 100

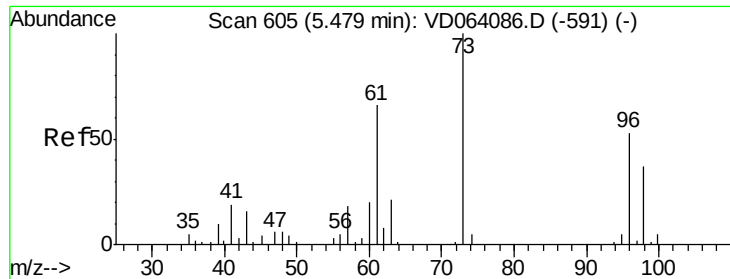
74 29.3 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





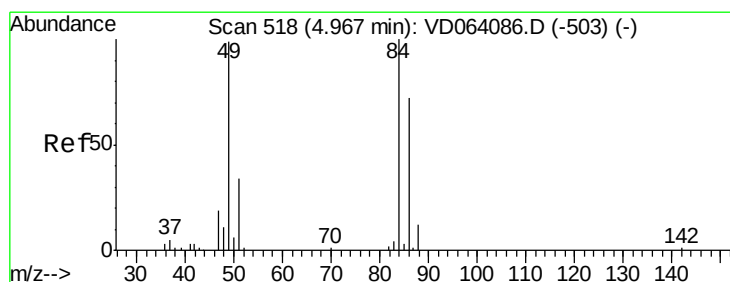
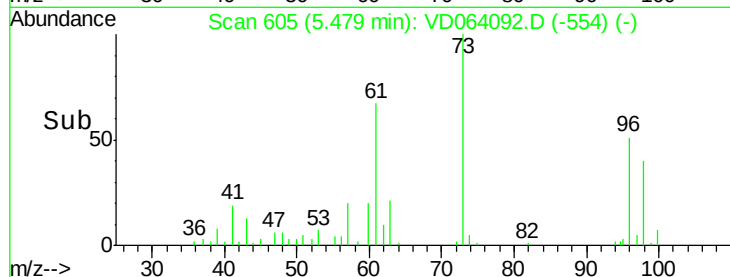
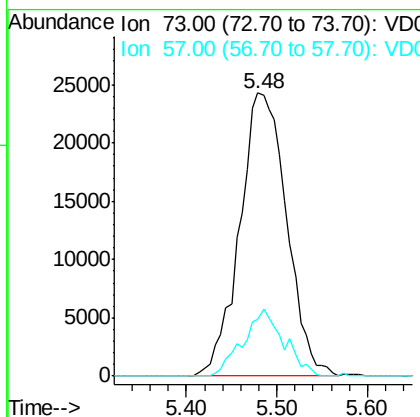
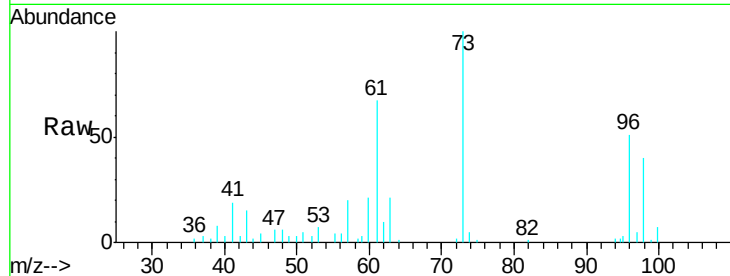
#19
Methyl tert-butyl Ether
Concen: 21.048 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 73 Resp: 87234
Ion Ratio Lower Upper
73 100
57 19.9 14.3 21.5

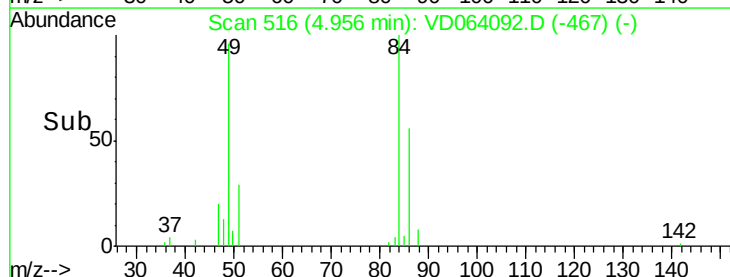
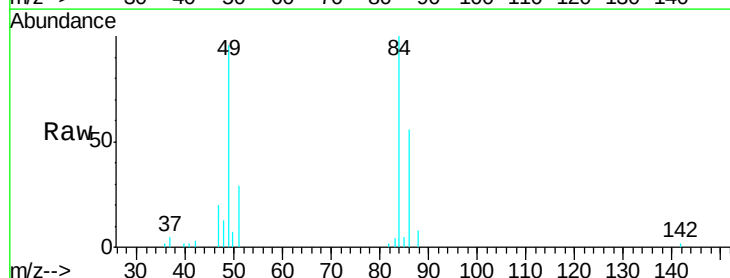
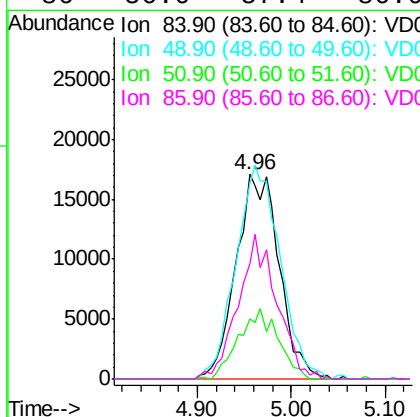
Manual Integrations
APPROVED

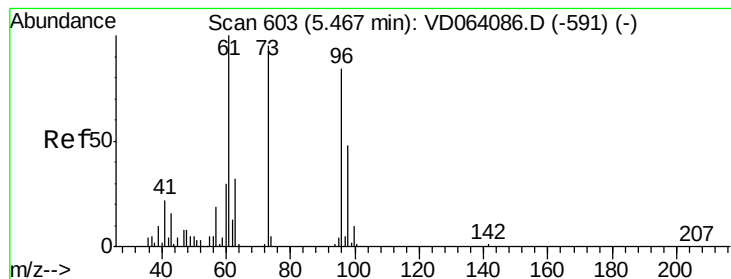
MMDadoda
10/30/2019 10:58:40 AM



#20
Methylene Chloride
Concen: 21.525 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 84 Resp: 54280
Ion Ratio Lower Upper
84 100
49 95.8 79.4 119.0
51 29.3 27.4 41.2
86 56.0 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 20.406 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

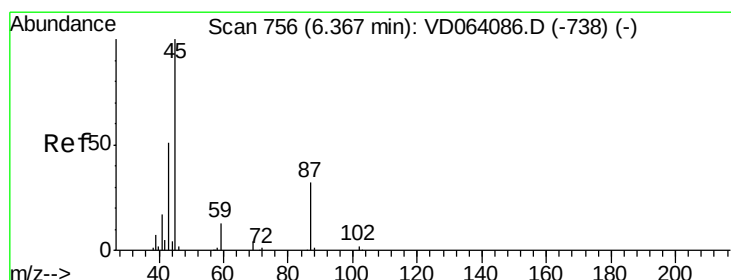
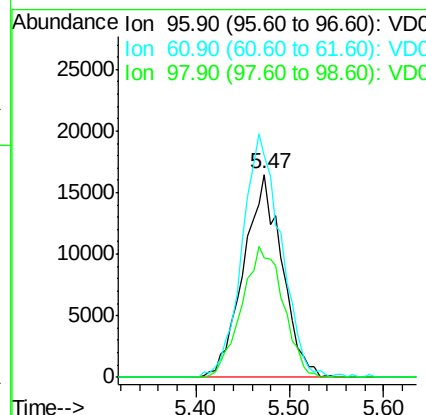
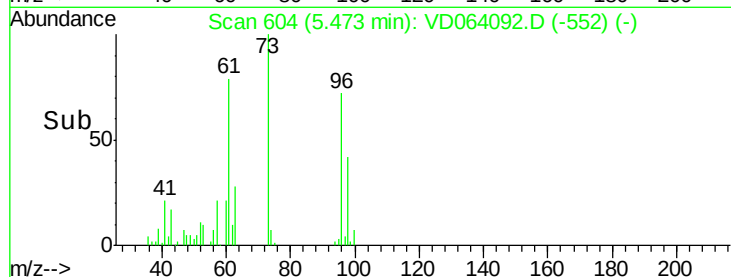
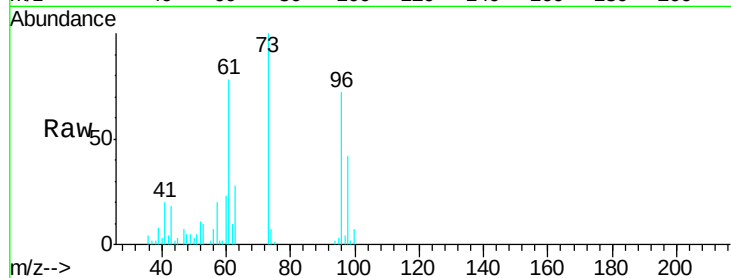
ClientSampleId :

VD1029SBS01

Tgt Ion:	96	Resp:	46788
Ion	Ratio	Lower	Upper
96	100		
61	109.2	95.0	142.6
98	58.5	45.8	68.8

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#22

Diisopropyl ether

Concen: 20.412 ug/l

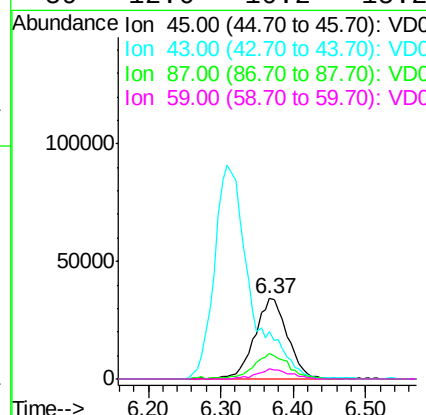
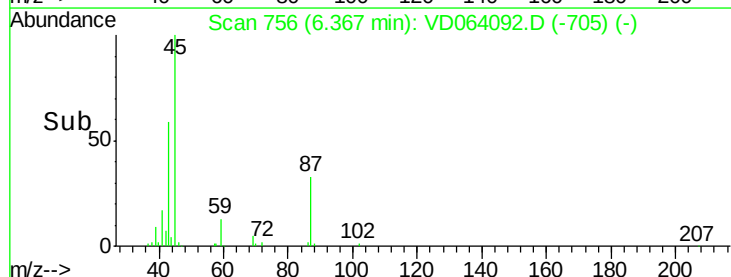
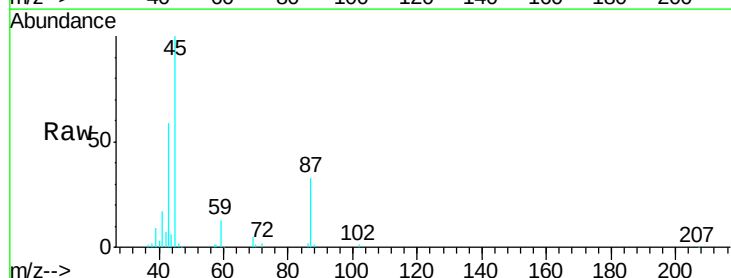
RT: 6.37 min Scan# 756

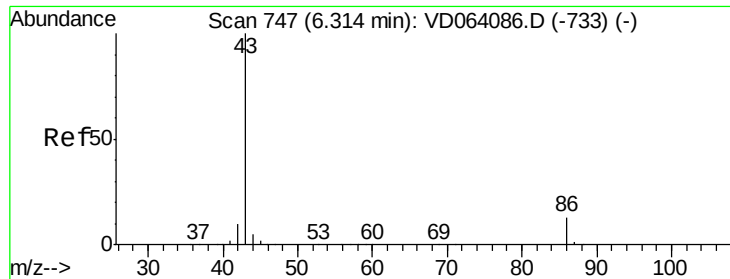
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	45	Resp:	108067
Ion	Ratio	Lower	Upper
45	100		
43	57.5	44.3	66.5
87	32.5	26.6	39.8
59	12.6	10.2	15.2





#23

Vinyl Acetate

Concen: 107.612 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 43 Resp: 312300

Ion Ratio Lower Upper

43 100

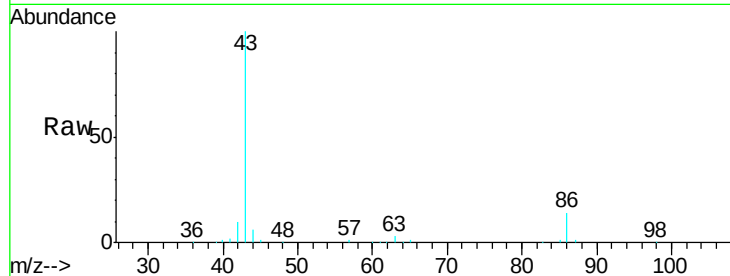
86 13.6 10.7 16.1

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

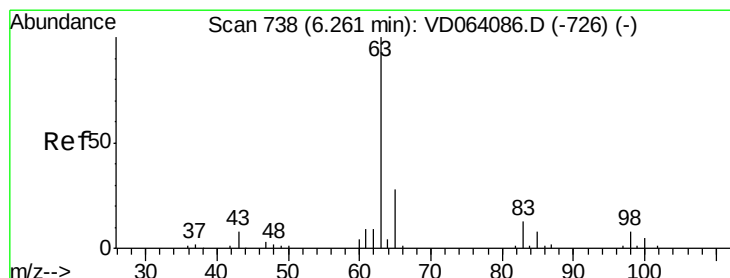
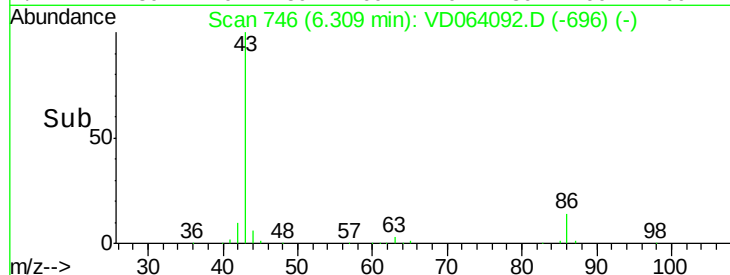
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.593 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

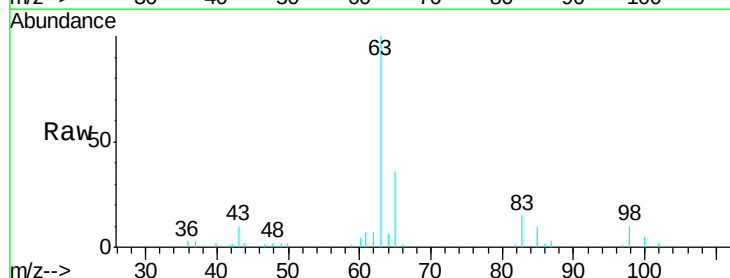
Tgt Ion: 63 Resp: 73625

Ion Ratio Lower Upper

63 100

98 10.2 4.0 11.9

100 5.0 2.6 7.8



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

6.26

30000

25000

20000

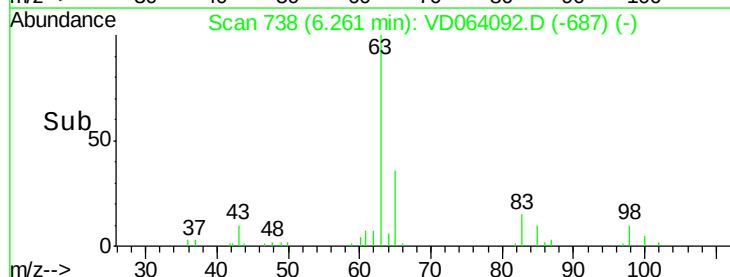
15000

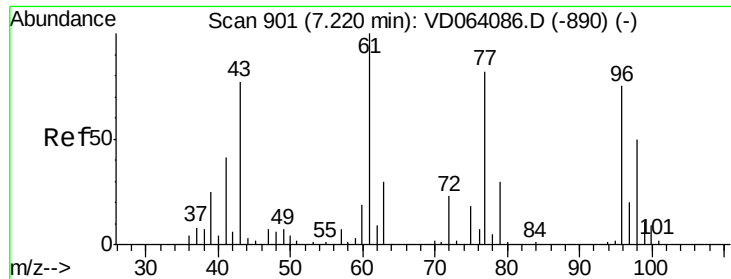
10000

5000

0

Time-->





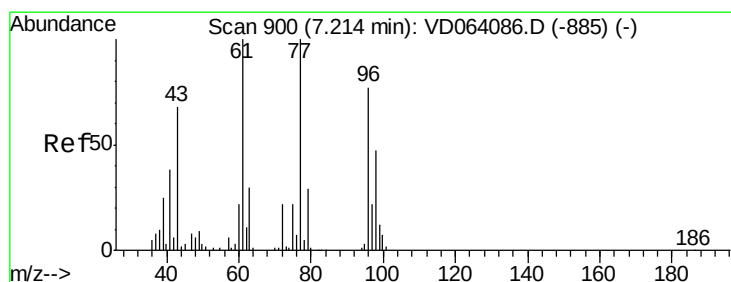
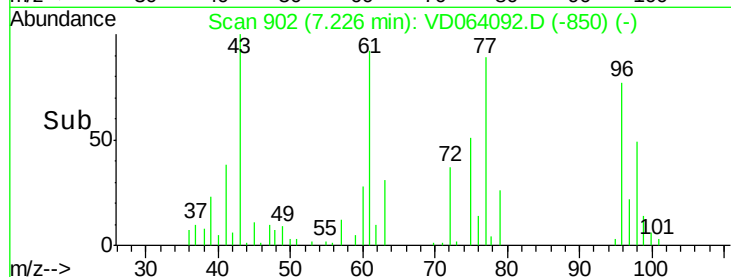
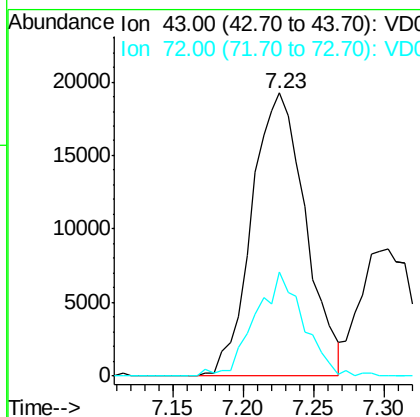
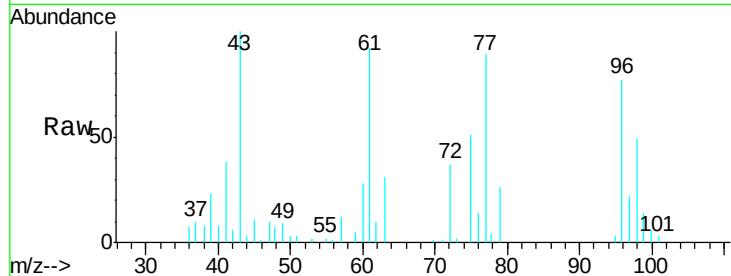
#25
2-Butanone
Concen: 104.029 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 43 Resp: 51242
Ion Ratio Lower Upper
43 100
72 36.9 23.4 35.0#

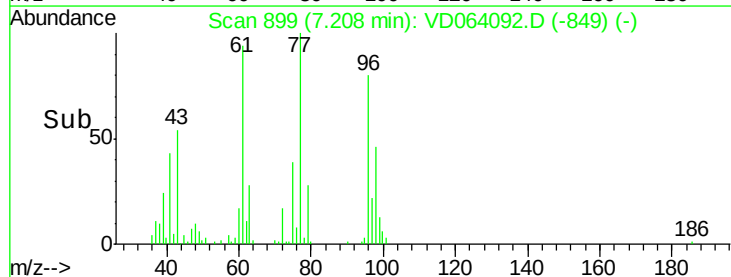
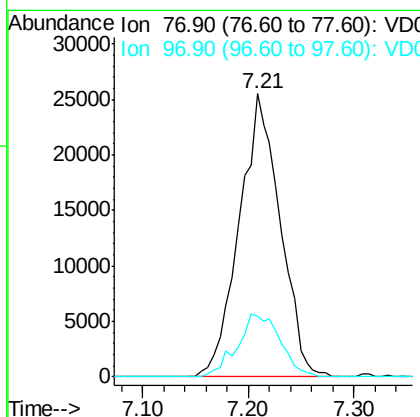
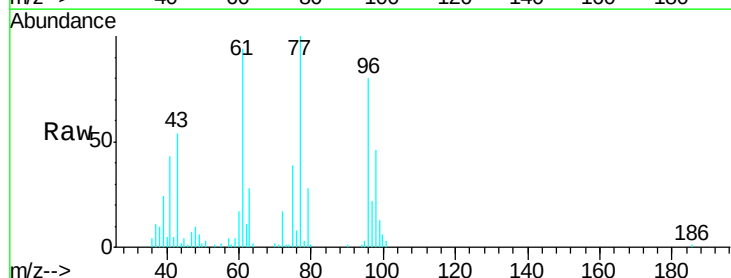
Manual Integrations
APPROVED

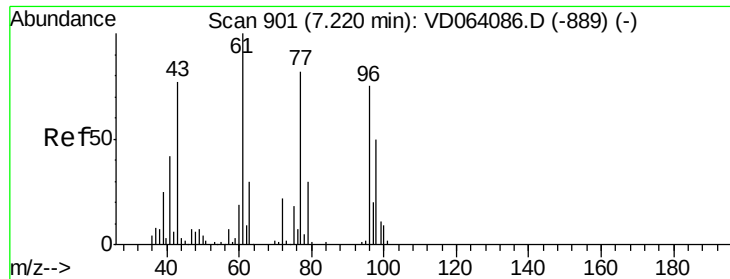
MMDadoda
10/30/2019 10:58:40 AM



#26
2,2-Dichloropropane
Concen: 20.147 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 77 Resp: 68365
Ion Ratio Lower Upper
77 100
97 23.5 11.2 33.5





#27

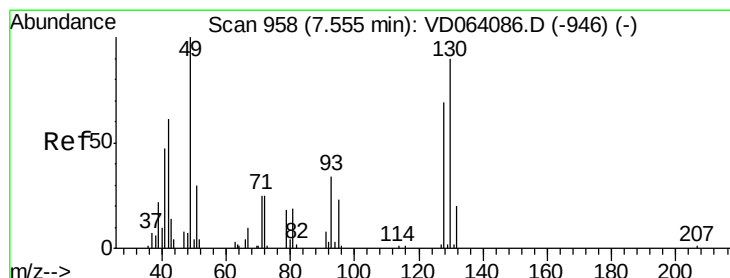
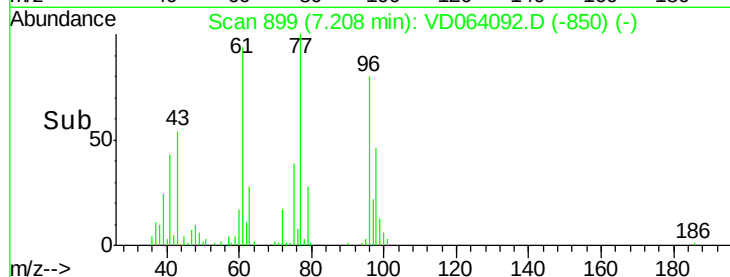
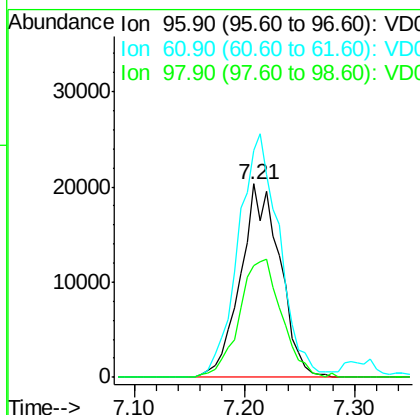
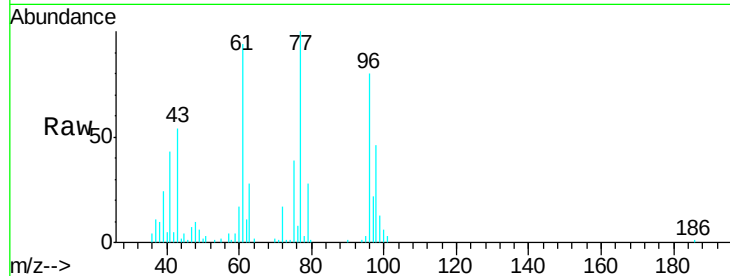
cis-1,2-Dichloroethene
 Concen: 19.921 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	51109		
61	131.2	0.0	258.0	
98	65.2	0.0	130.8	

Manual Integrations
 APPROVED

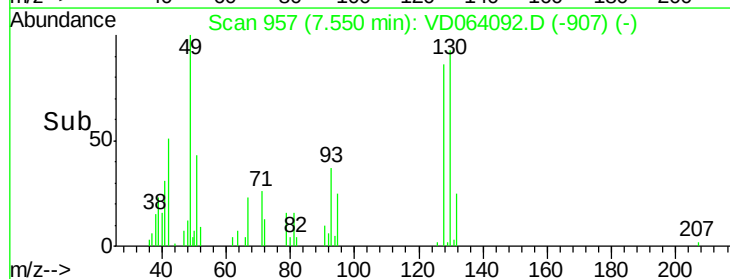
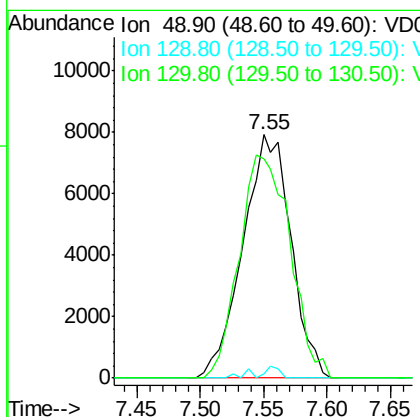
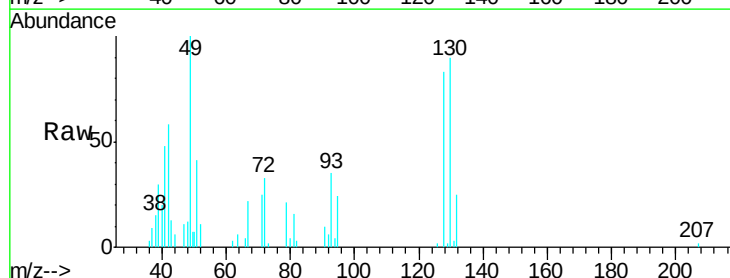
MMDadoda
 10/30/2019 10:58:40 AM

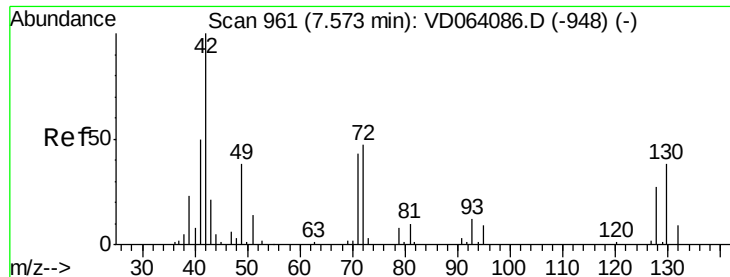


#28

Bromochloromethane
 Concen: 16.558 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20879		
129	1.4	0.0	5.4	
130	96.7	75.3	112.9	





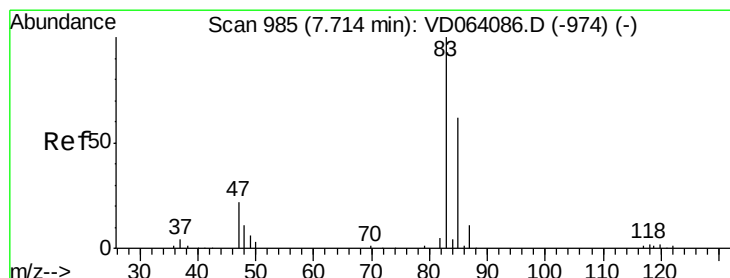
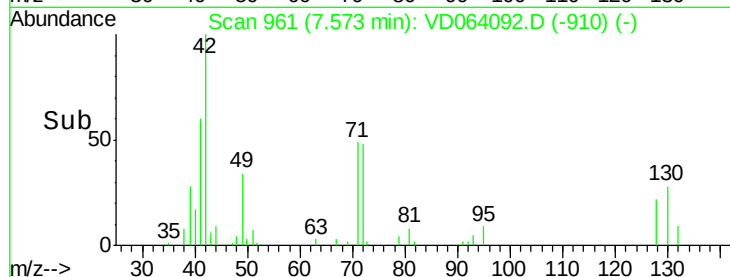
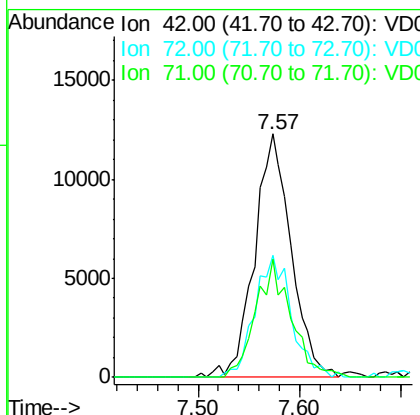
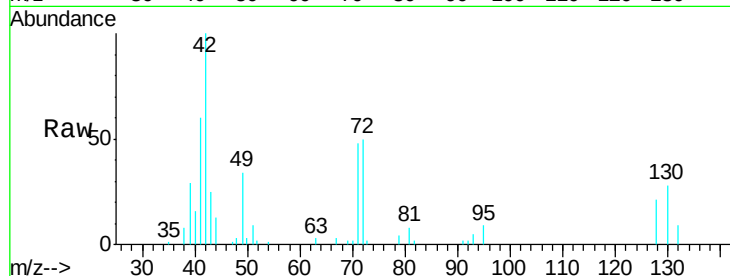
#29
Tetrahydrofuran
Concen: 107.286 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.3	38.9	58.3
71	47.0	35.4	53.2

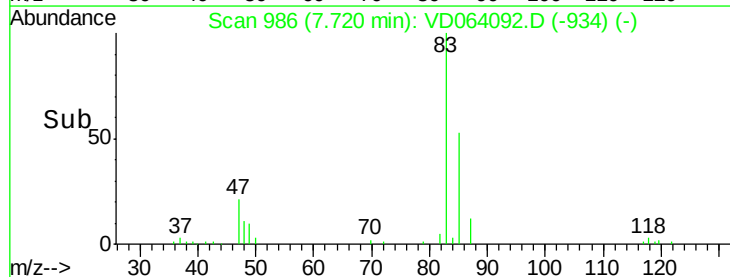
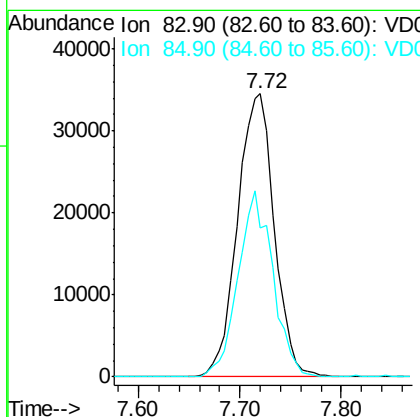
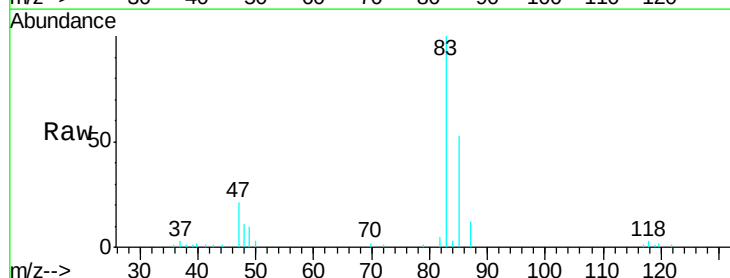
Manual Integrations
APPROVED

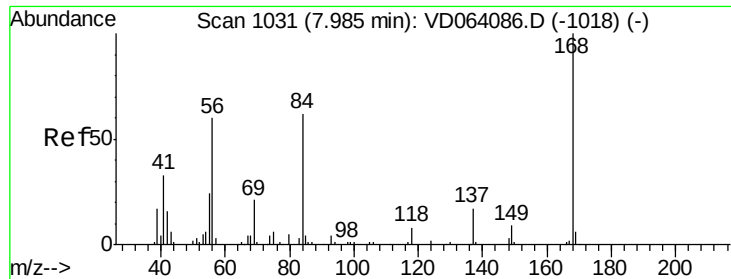
MMDadoda
10/30/2019 10:58:40 AM



#30
Chloroform
Concen: 21.153 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.8	49.8	74.6





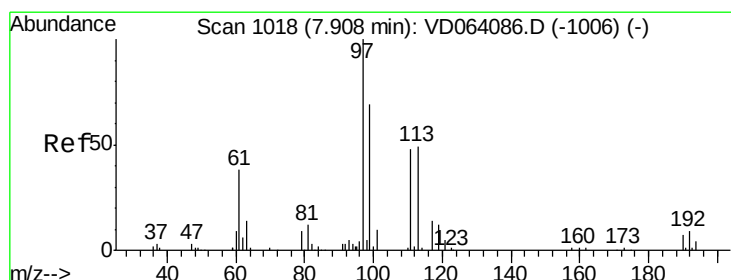
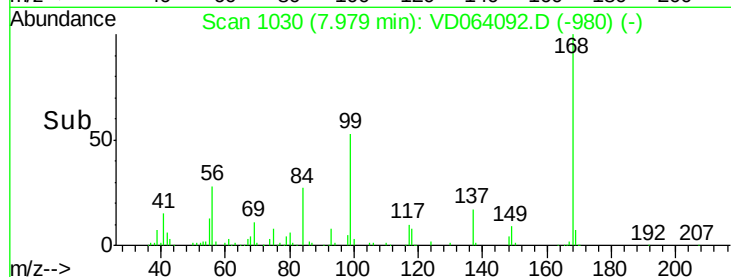
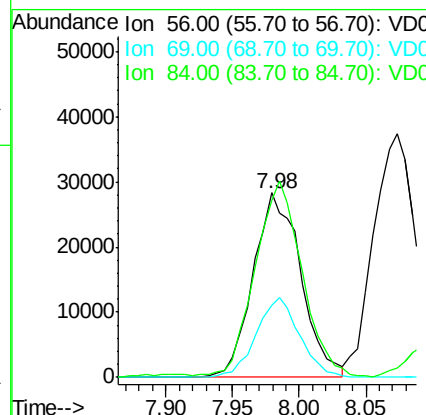
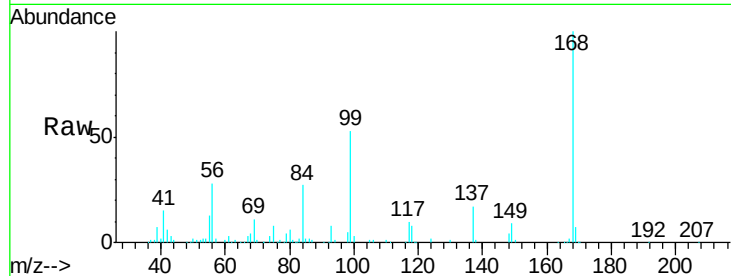
#31
Cyclohexane
Concen: 20.074 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	69919		
69	39.3	27.7	41.5	
84	95.3	83.1	124.7	

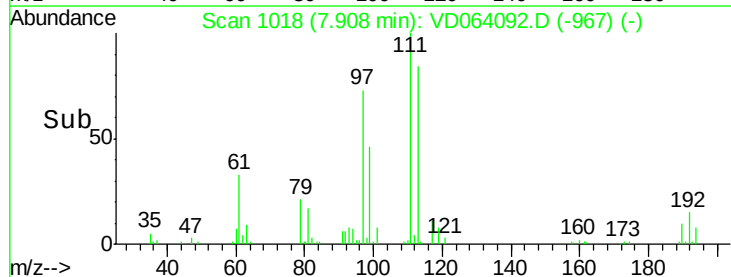
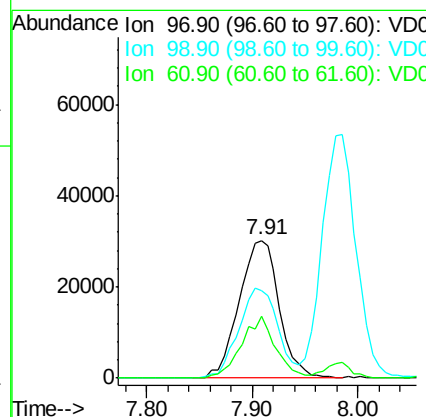
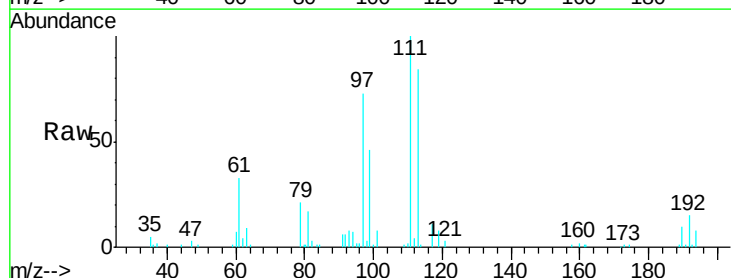
Manual Integrations
APPROVED

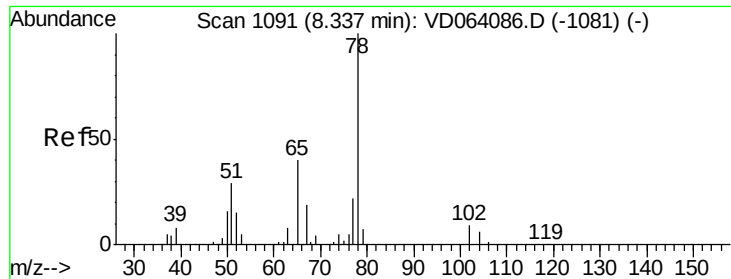
MMDadoda
10/30/2019 10:58:40 AM



#32
1,1,1-Trichloroethane
Concen: 20.834 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	79341		
99	64.9	53.7	80.5	
61	38.1	31.8	47.6	





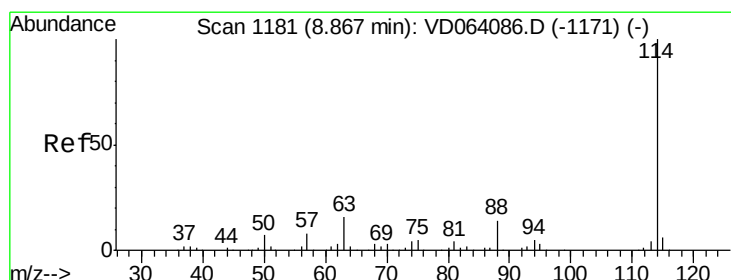
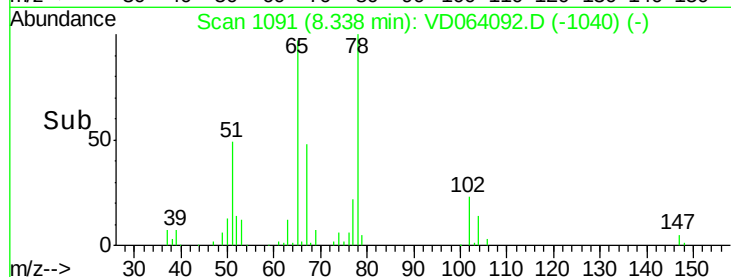
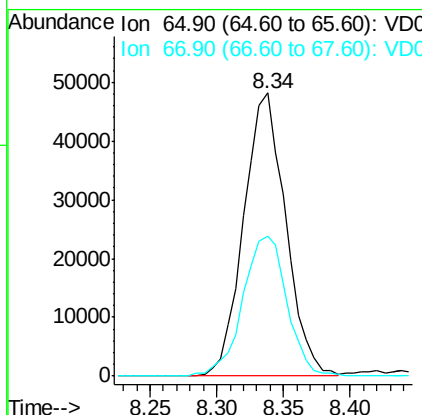
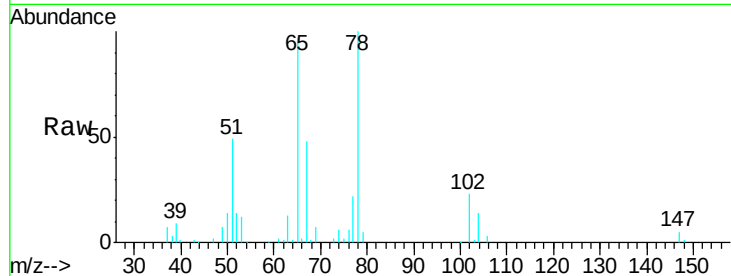
#33
 1,2-Dichloroethane-d4
 Concen: 56.037 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tgt Ion: 65 Resp: 104936
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6

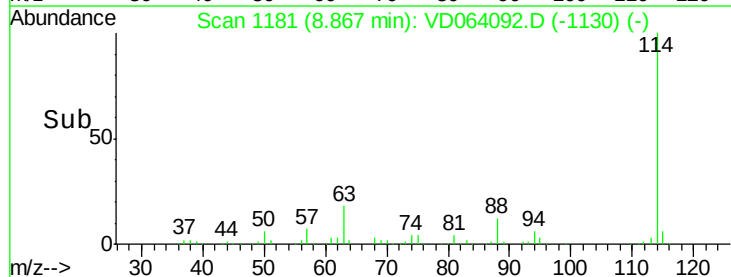
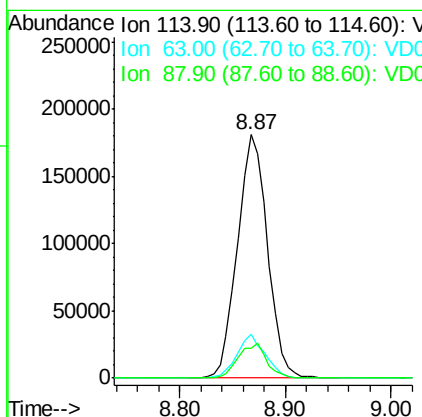
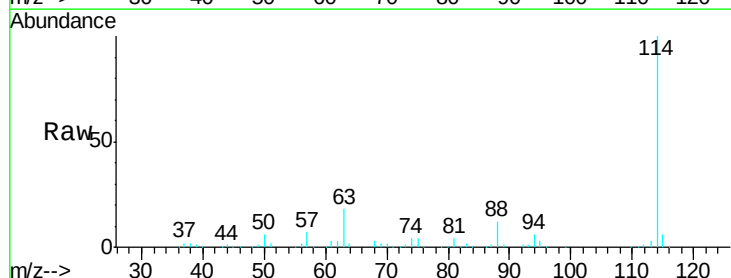
Manual Integrations
 APPROVED

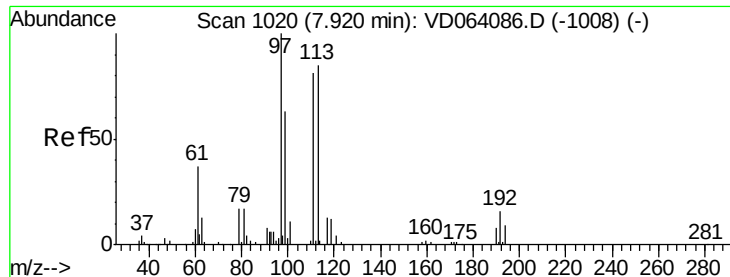
MMDadoda
 10/30/2019 10:58:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 114 Resp: 356220
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 32.8
 88 12.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 52.533 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

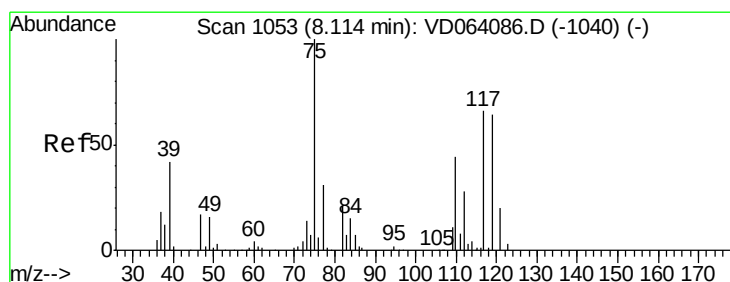
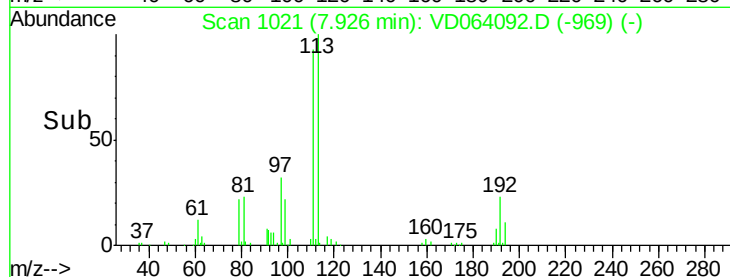
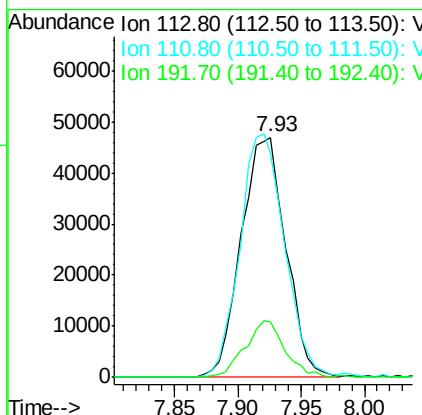
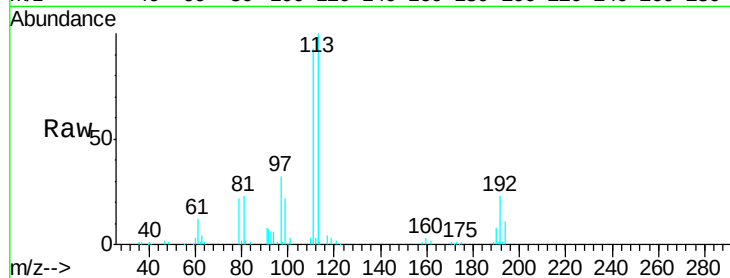
ClientSampleId :

VD1029SBS01

Tgt Ion:	113	Resp:	115129
Ion Ratio	Lower	Upper	
113	100		
111	101.4	79.3	118.9
192	21.0	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#36

1,1-Dichloropropene

Concen: 20.471 ug/l

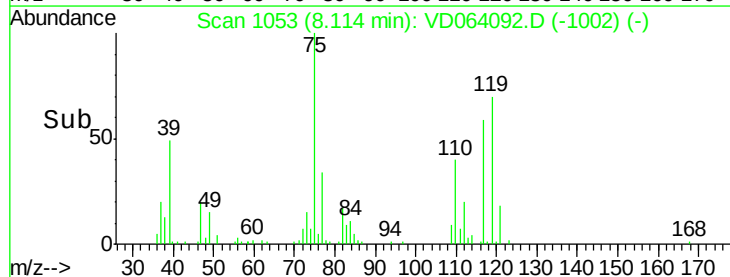
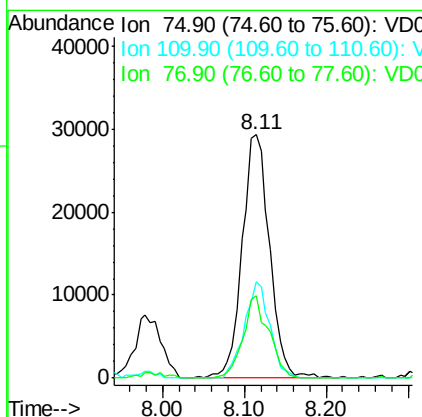
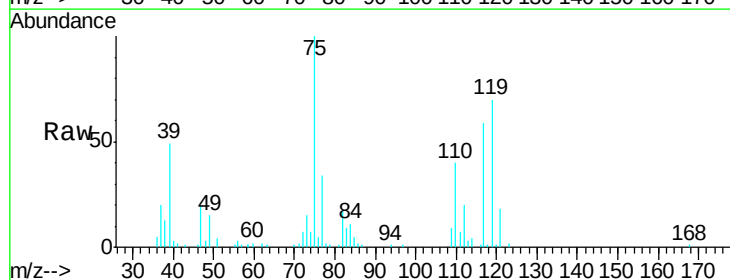
RT: 8.11 min Scan# 1053

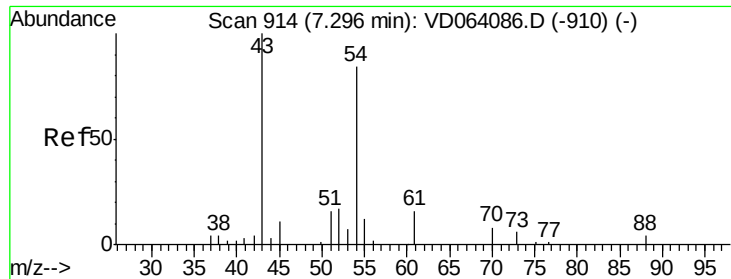
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	75	Resp:	68329
Ion Ratio	Lower	Upper	
75	100		
110	36.5	20.0	59.9
77	31.4	24.7	37.1





#37

Ethyl Acetate

Concen: 23.508 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

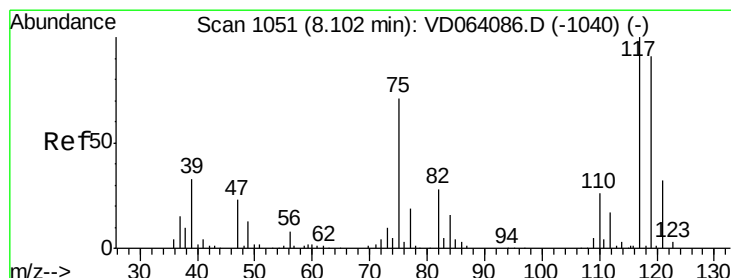
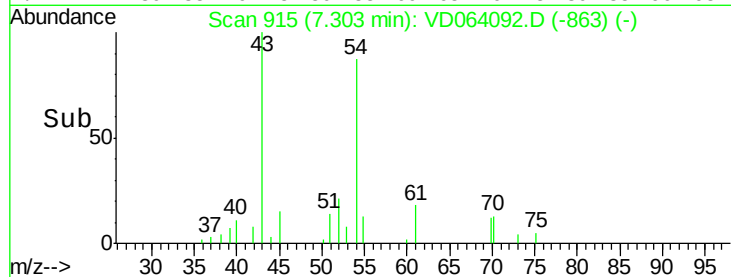
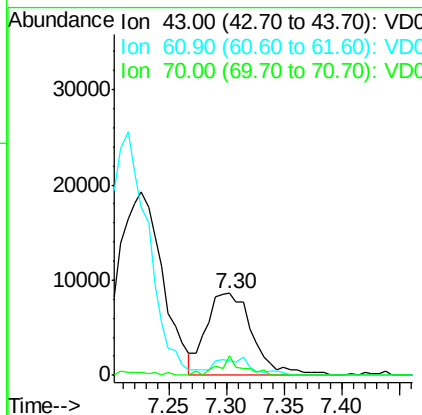
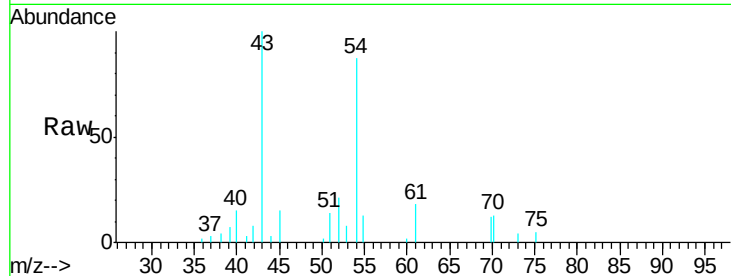
ClientSampleId :

VD1029SBS01

Tgt Ion:	43	Resp:	24152
Ion Ratio	Lower	Upper	
43	100		
61	10.8	12.0	18.0#
70	11.7	3.8	5.6#

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#38

Carbon Tetrachloride

Concen: 20.781 ug/l

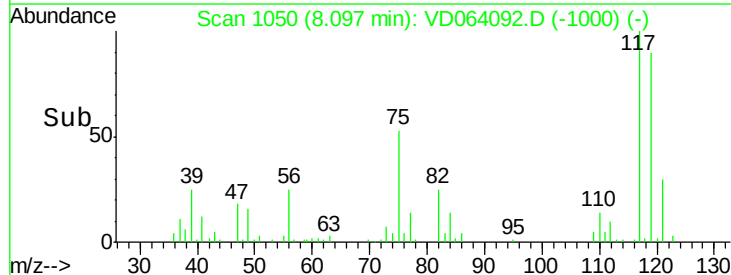
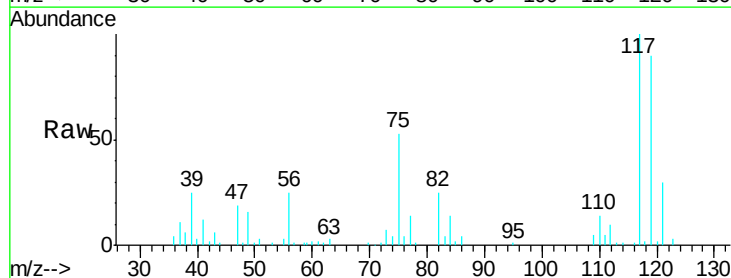
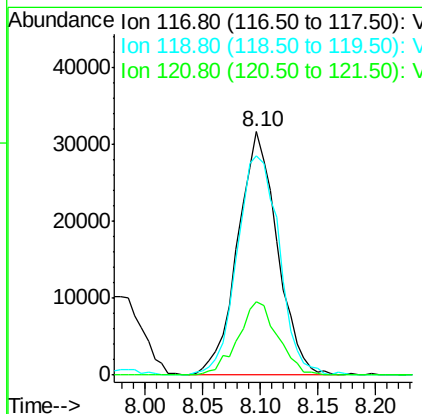
RT: 8.10 min Scan# 1050

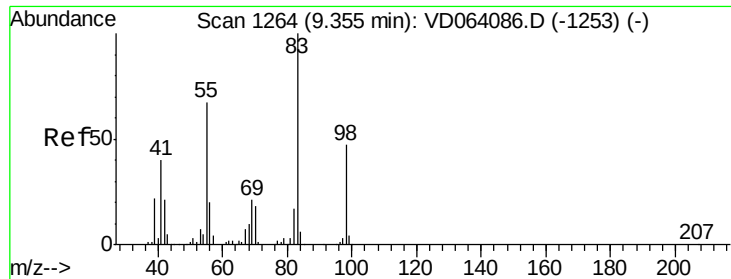
Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	117	Resp:	75681
Ion Ratio	Lower	Upper	
117	100		
119	90.3	72.6	108.8
121	30.1	25.8	38.6





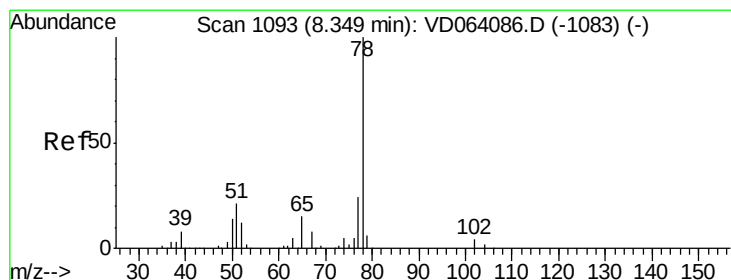
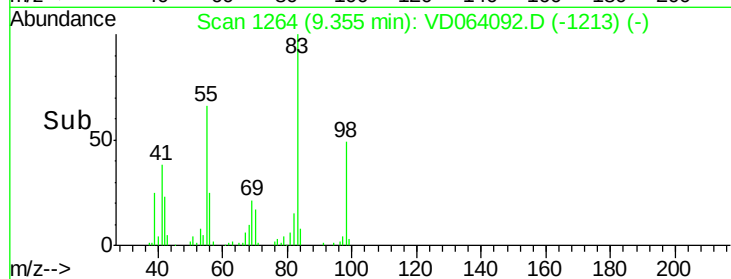
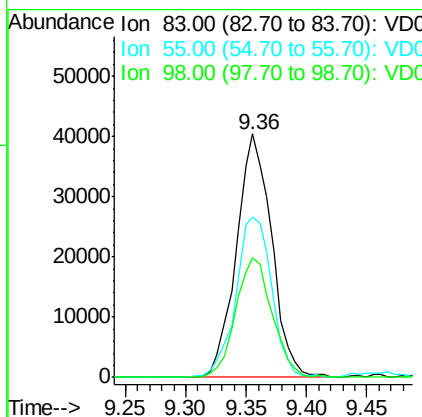
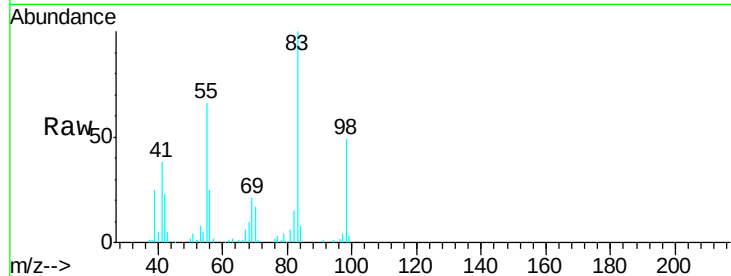
#39
Methylcyclohexane
Concen: 20.149 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	82561		
55	66.1	53.4	80.0	
98	48.9	37.8	56.6	

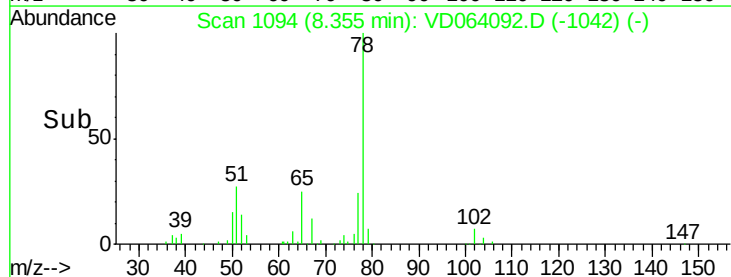
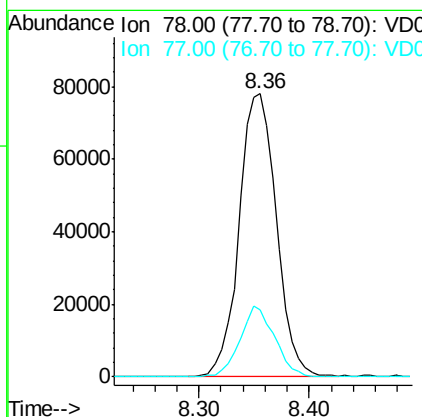
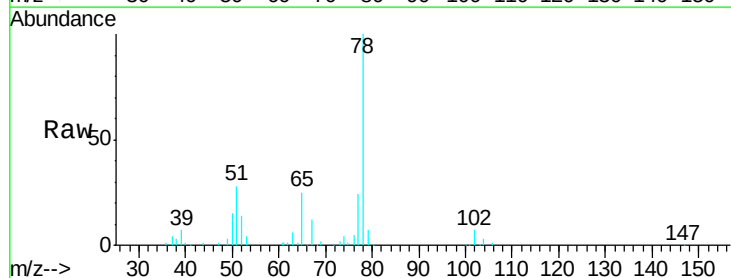
Manual Integrations
APPROVED

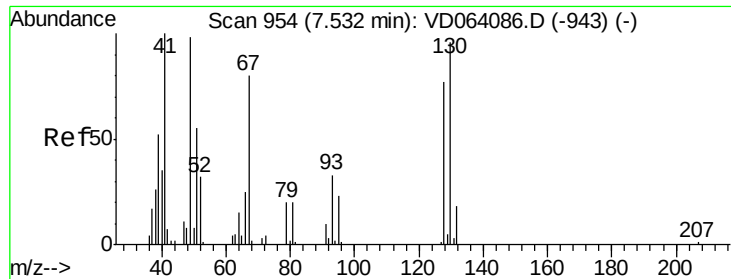
MMDadoda
10/30/2019 10:58:40 AM



#40
Benzene
Concen: 20.290 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	184683		
77	23.8	19.0	28.4	





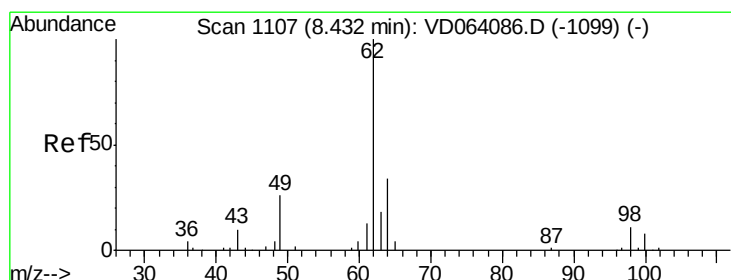
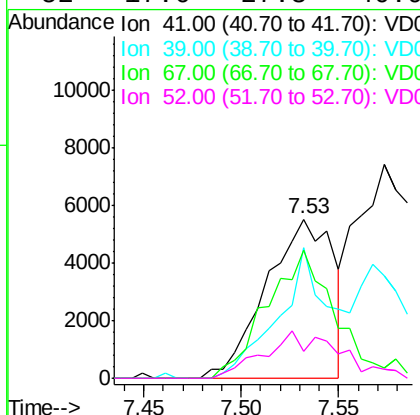
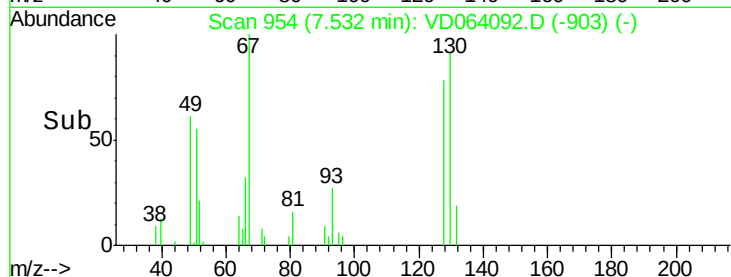
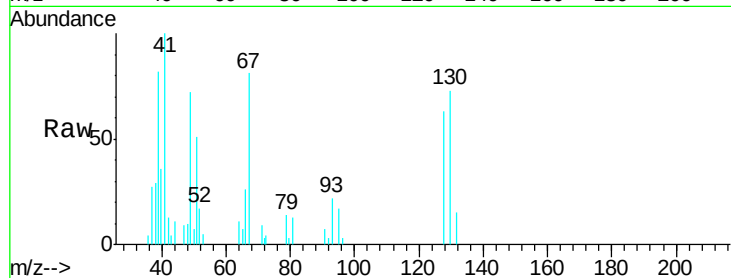
#41
Methacrylonitrile
Concen: 22.221 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	41.0	61.4#
67	82.0	73.4	110.0
52	17.6	27.3	40.9#

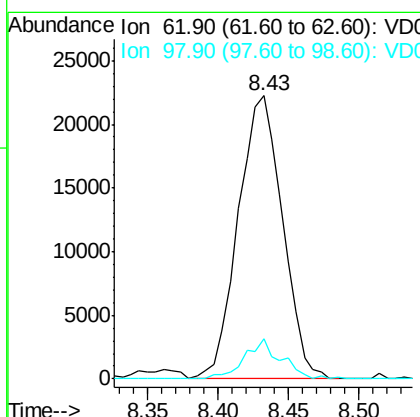
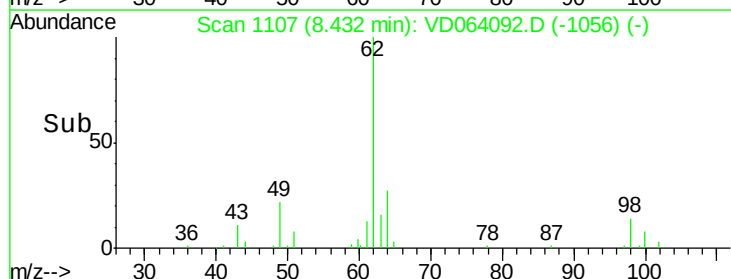
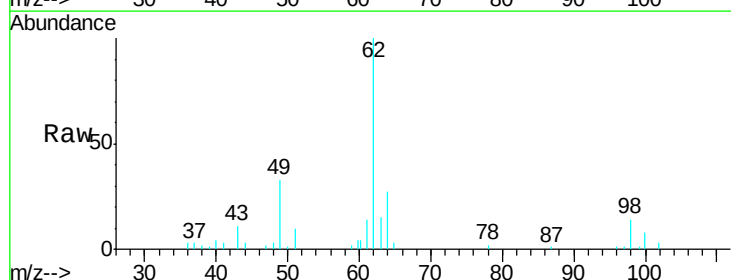
Manual Integrations
APPROVED

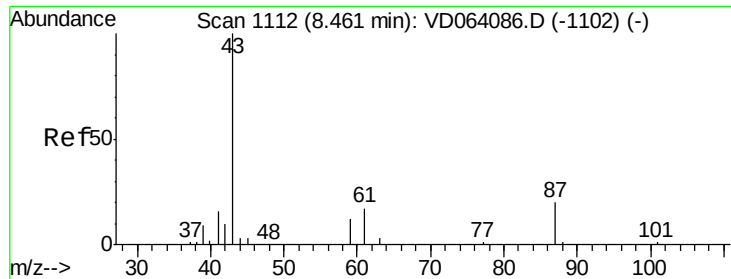
MMDadoda
10/30/2019 10:58:40 AM



#42
1,2-Dichloroethane
Concen: 20.320 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.073 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

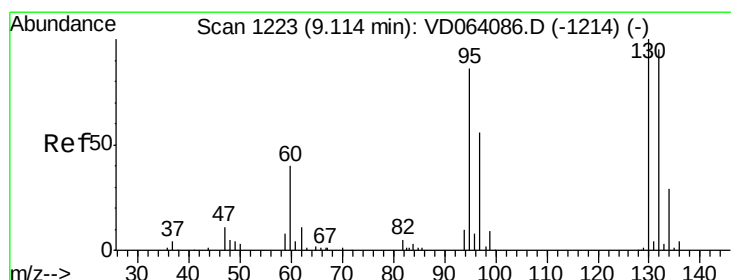
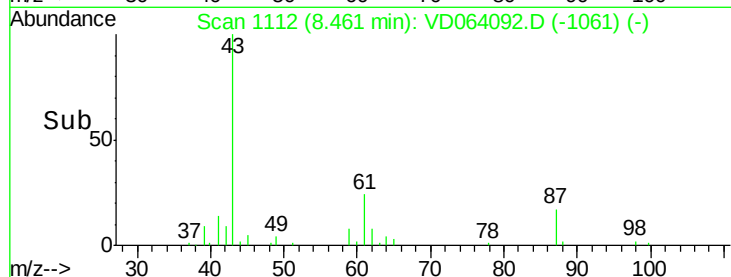
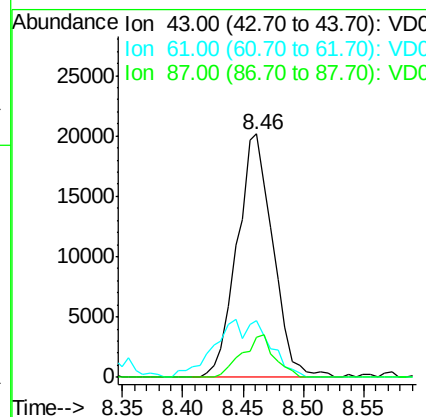
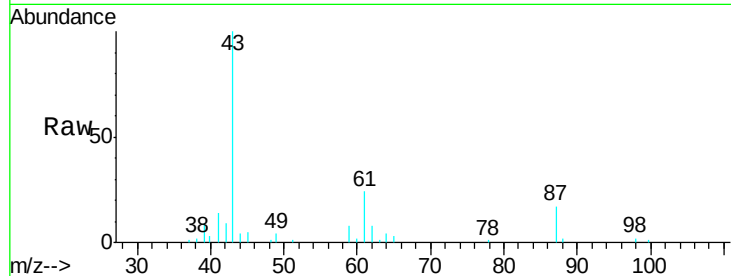
ClientSampleId :

VD1029SBSD01

Tgt Ion:	43	Resp:	41678
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.8#
87	15.8	13.0	19.4

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#44

Trichloroethene

Concen: 20.806 ug/l

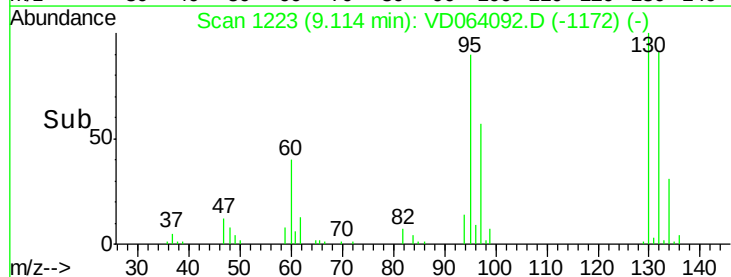
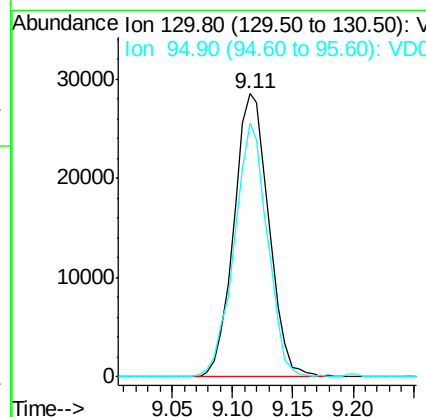
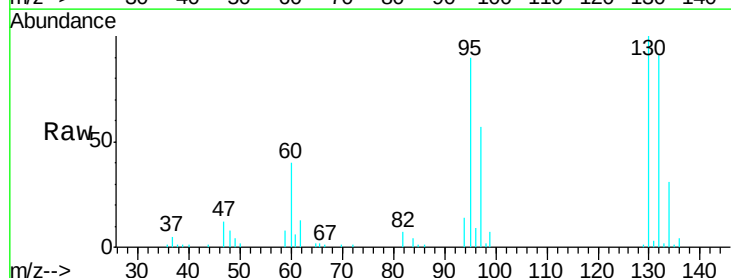
RT: 9.11 min Scan# 1223

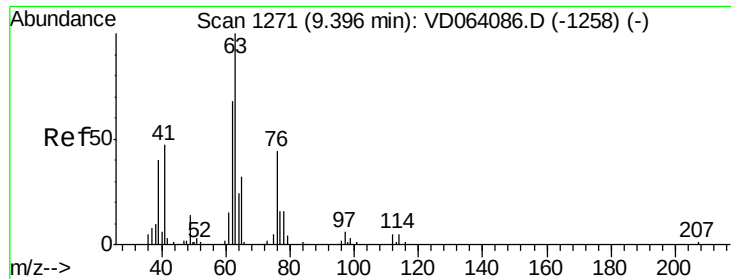
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	130	Resp:	57401
Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	173.0





#45

1,2-Dichloropropane

Concen: 19.852 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 63 Resp: 41878

Ion Ratio Lower Upper

63 100

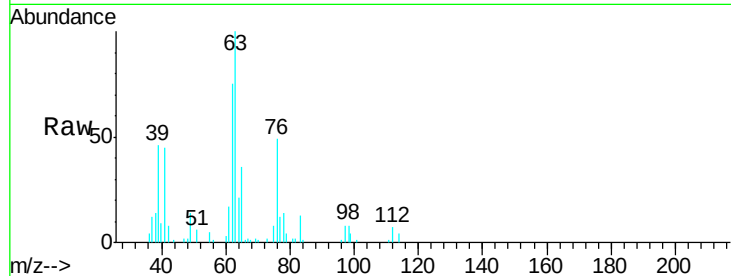
65 36.3 25.8 38.8

Manual Integrations

APPROVED

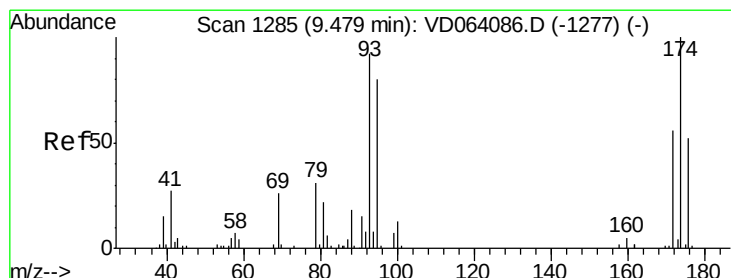
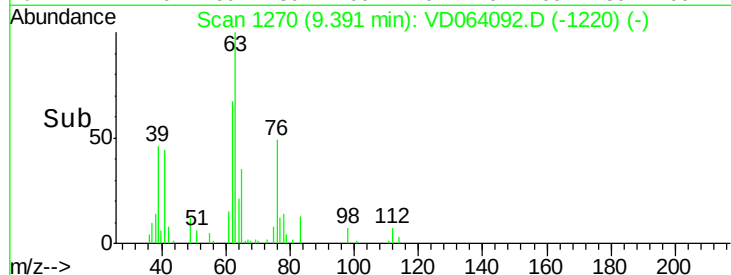
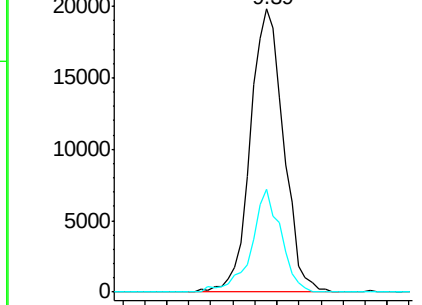
MMDadoda

10/30/2019 10:58:40 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.486 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

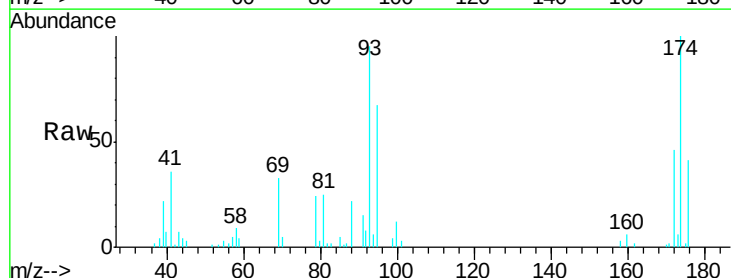
Tgt Ion: 93 Resp: 26027

Ion Ratio Lower Upper

93 100

95 79.2 67.4 101.2

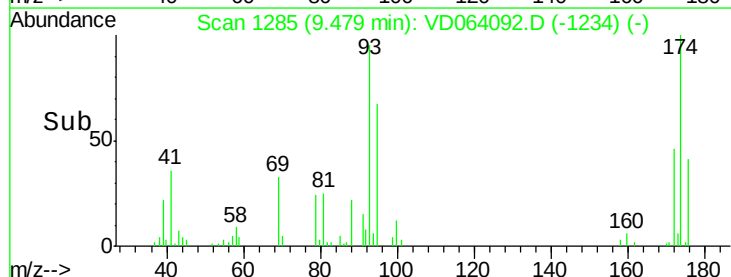
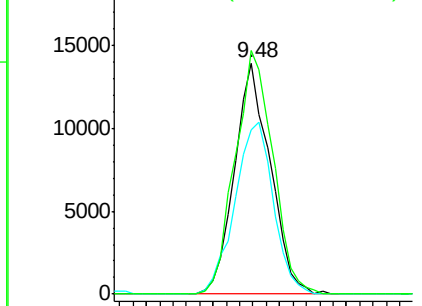
174 110.8 86.4 129.6

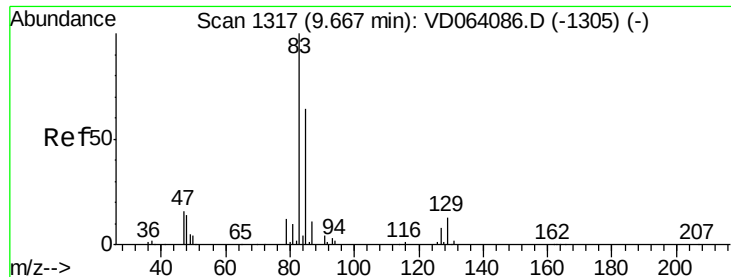


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.882 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

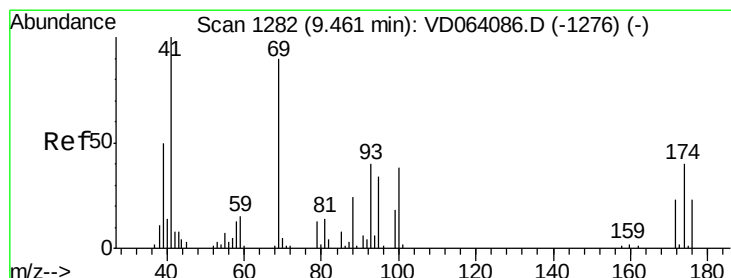
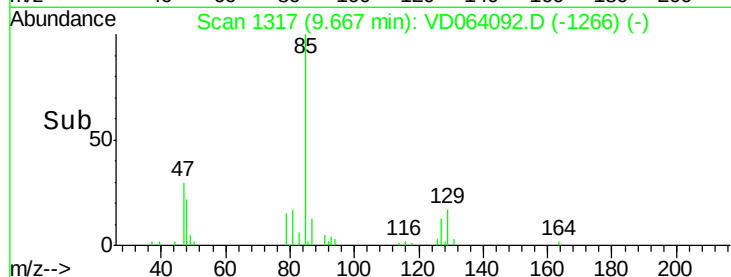
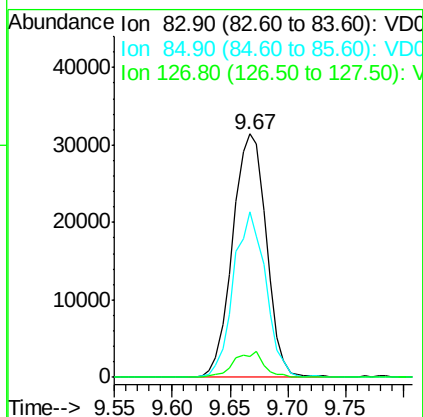
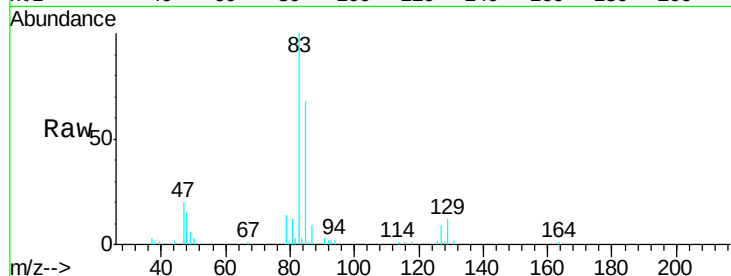
ClientSampleId :

VD1029SBS01

Tgt Ion:	83	Resp:	63722
Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.4	77.0
127	8.6	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#48

Methyl methacrylate

Concen: 20.938 ug/l

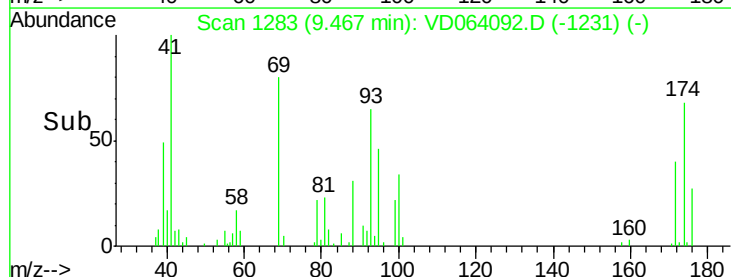
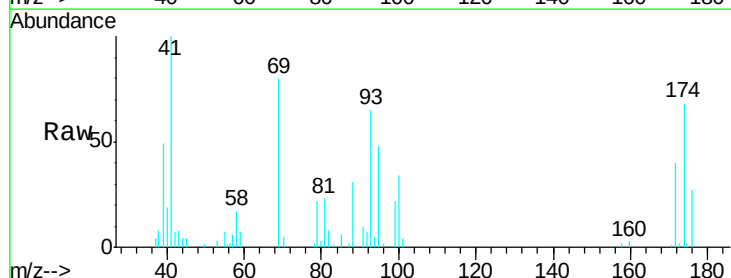
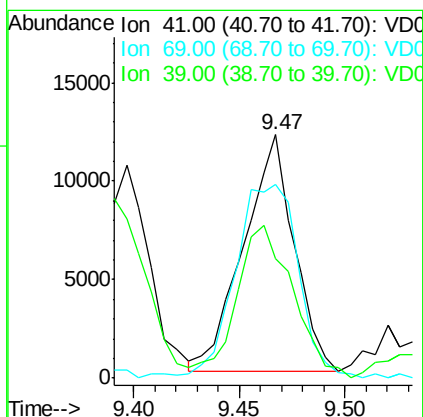
RT: 9.47 min Scan# 1283

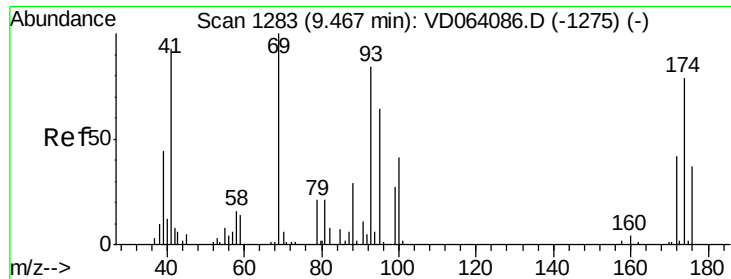
Delta R.T. 0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	41	Resp:	20104
Ion	Ratio	Lower	Upper
41	100		
69	101.2	82.6	124.0
39	71.8	47.0	70.4#





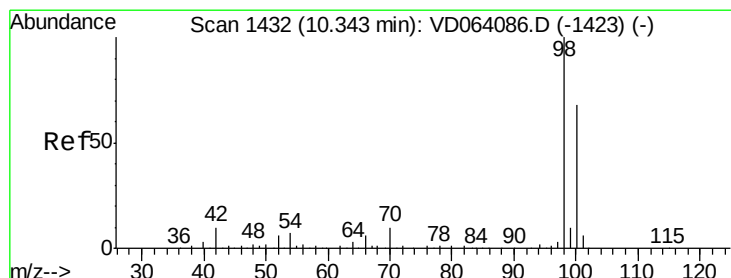
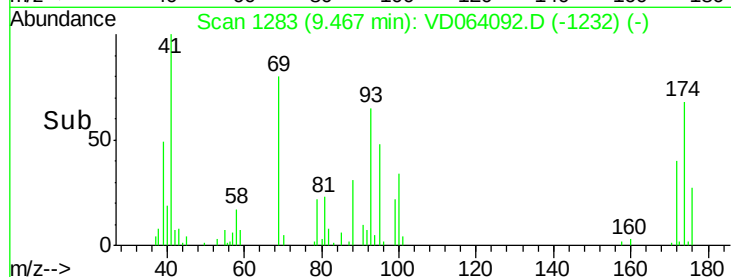
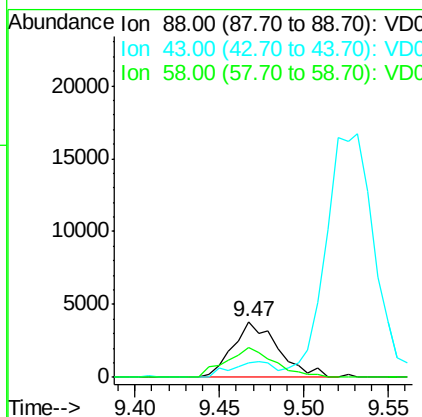
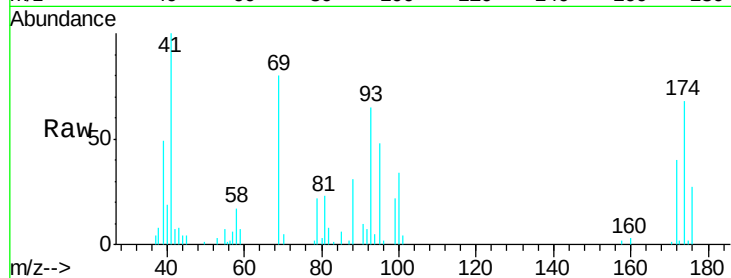
#49
 1,4-Dioxane
 Concen: 489.943 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 88 Resp: 7125
 Ion Ratio Lower Upper
 88 100
 43 27.1 13.4 20.0#
 58 56.5 46.7 70.1

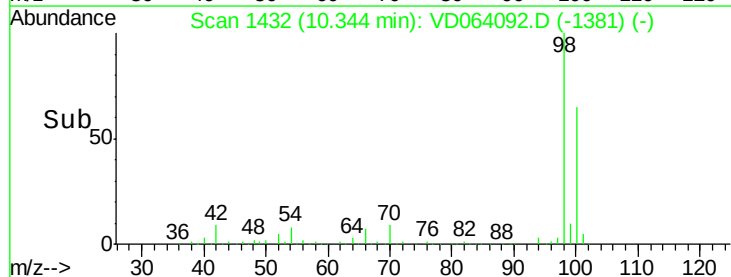
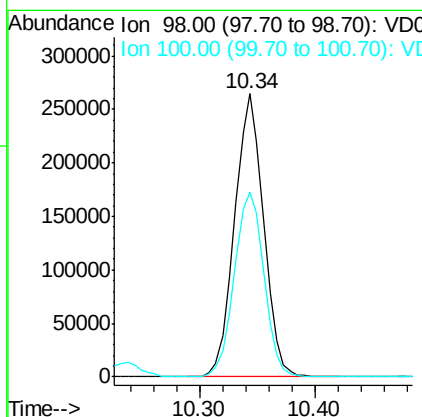
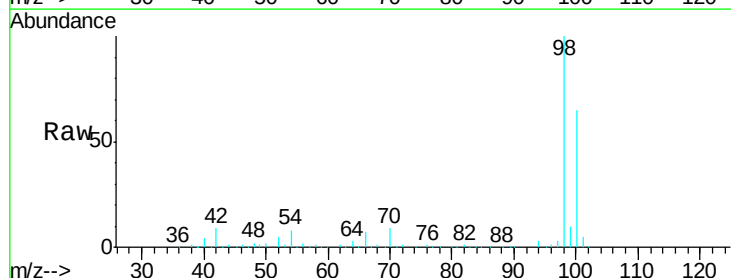
Manual Integrations
 APPROVED

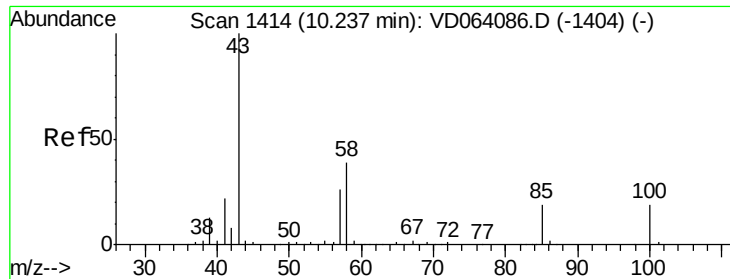
MMDadoda
 10/30/2019 10:58:40 AM



#50
 Toluene-d8
 Concen: 52.483 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 98 Resp: 459981
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.4 80.0





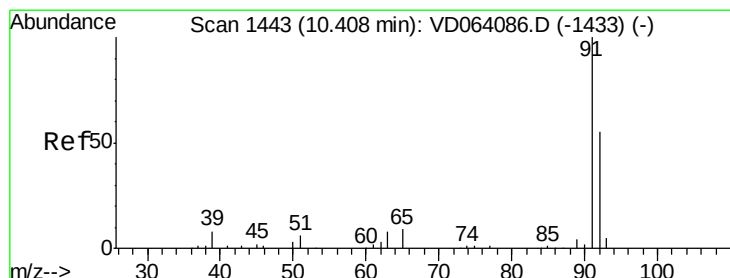
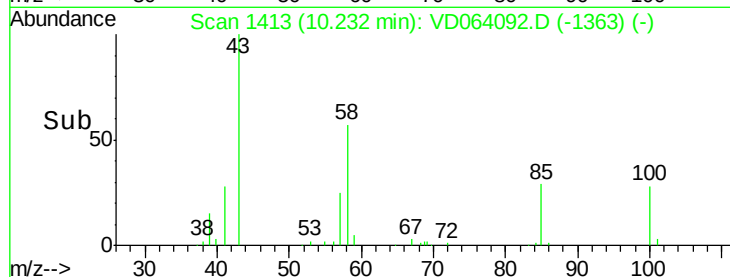
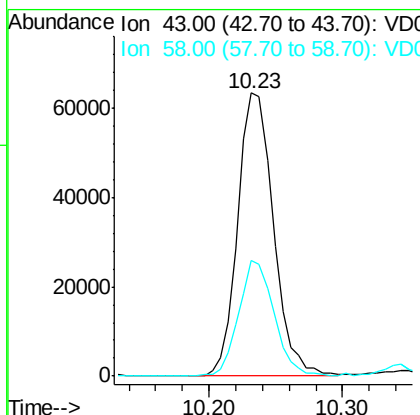
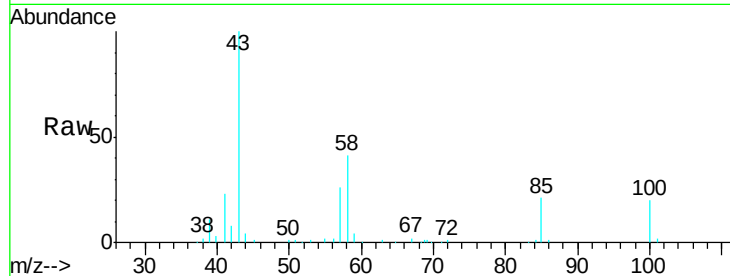
#51
 4-Methyl-2-Pentanone
 Concen: 104.222 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 43 Resp: 117808
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.0 49.4

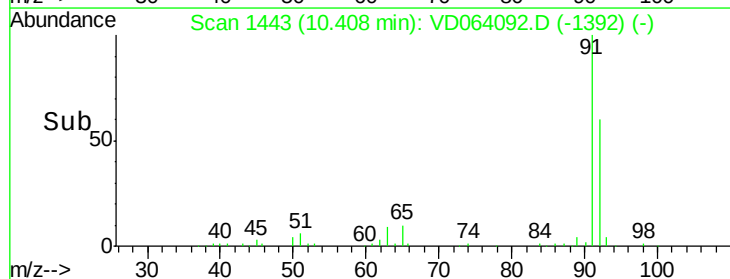
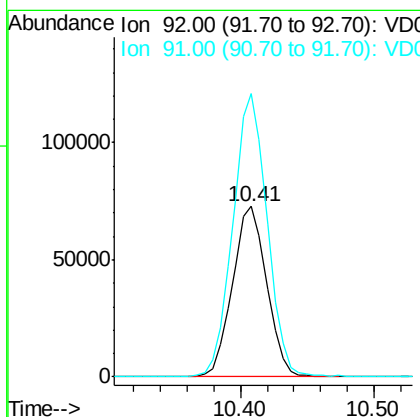
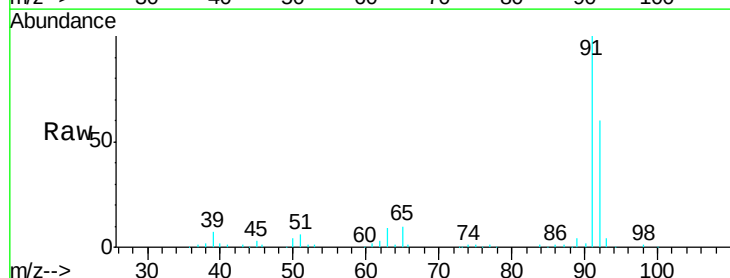
Manual Integrations
 APPROVED

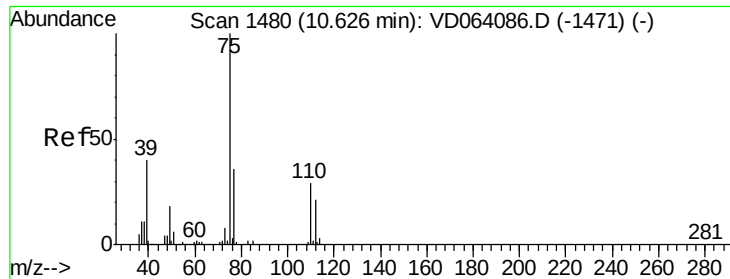
MMDadoda
 10/30/2019 10:58:40 AM



#52
 Toluene
 Concen: 20.367 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 92 Resp: 129921
 Ion Ratio Lower Upper
 92 100
 91 165.9 140.7 211.1





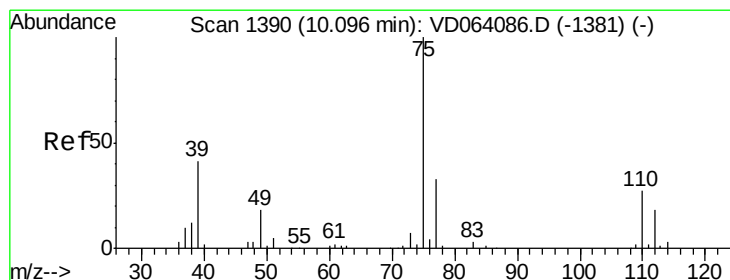
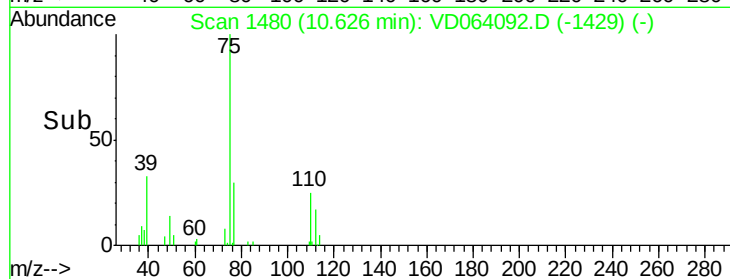
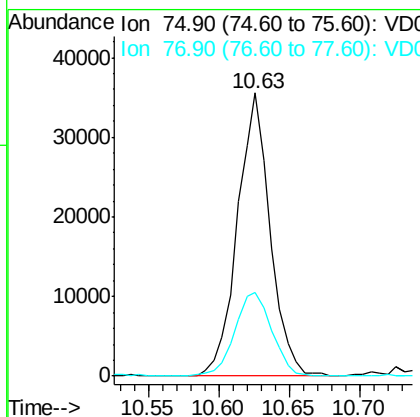
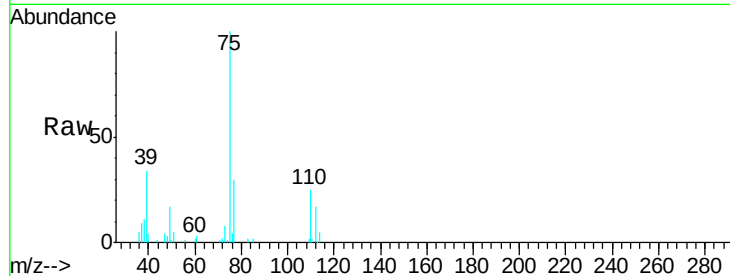
#53
 t-1,3-Dichloropropene
 Concen: 19.211 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 75 Resp: 57475
 Ion Ratio Lower Upper
 75 100
 77 29.5 28.7 43.1

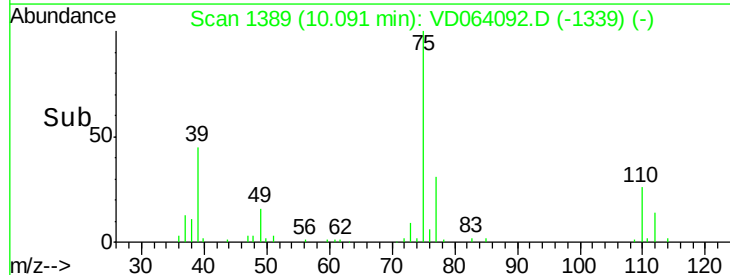
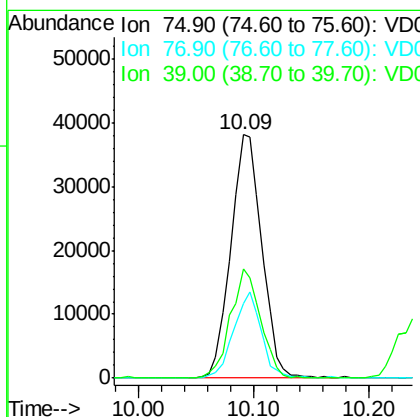
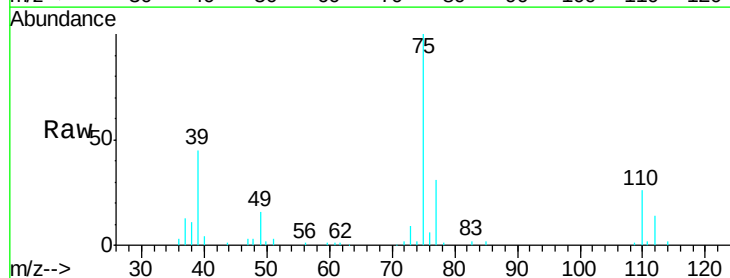
Manual Integrations
 APPROVED

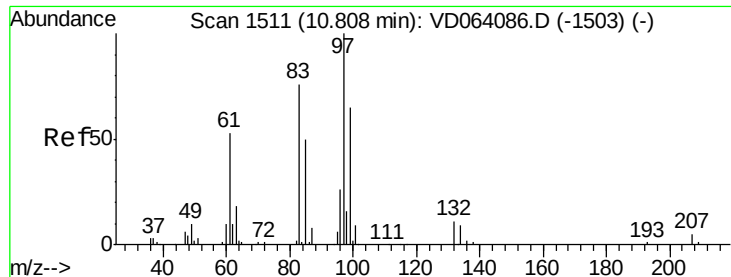
MMDadoda
 10/30/2019 10:58:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.168 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 75 Resp: 70988
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.8 40.2
 39 44.6 32.7 49.1





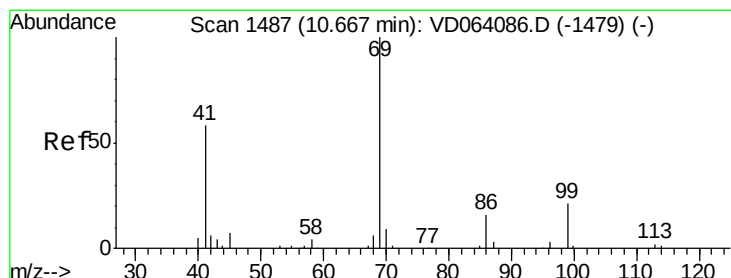
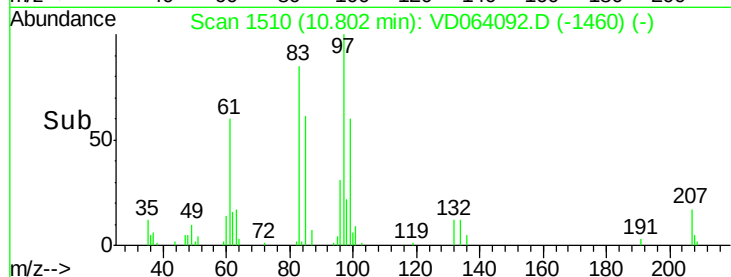
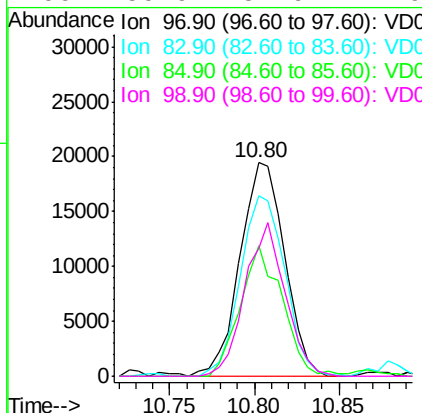
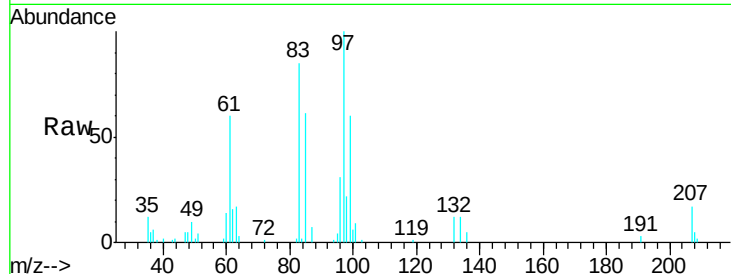
#55
 1,1,2-Trichloroethane
 Concen: 19.898 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
97	100		
83	84.5	60.9	91.3
85	61.0	40.2	60.2#
99	59.9	51.9	77.9

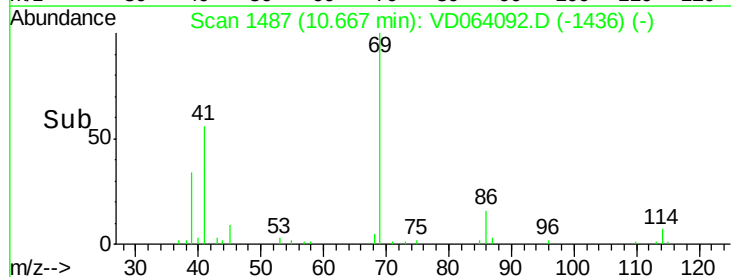
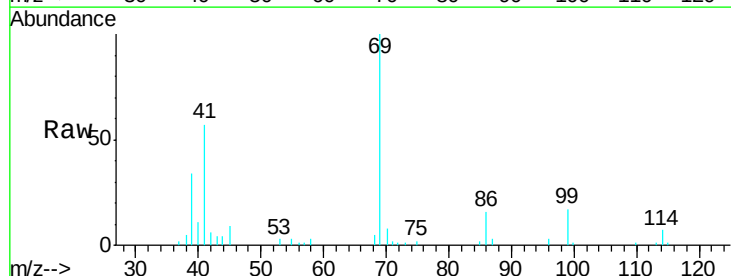
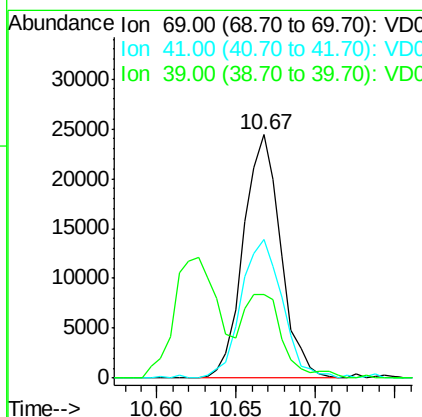
Manual Integrations
 APPROVED

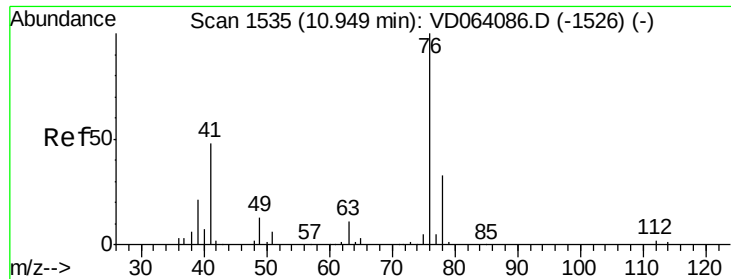
MMDadoda
 10/30/2019 10:58:40 AM



#56
 Ethyl methacrylate
 Concen: 20.155 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
69	100		
41	63.1	46.9	70.3
39	35.8	27.3	40.9





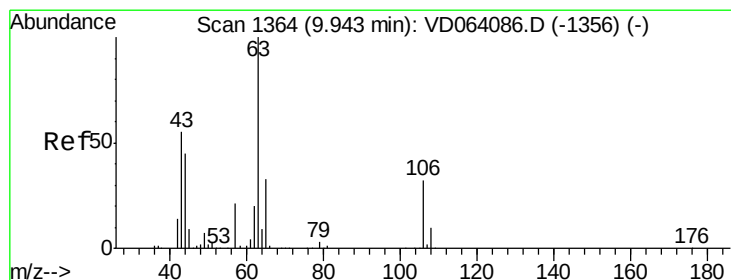
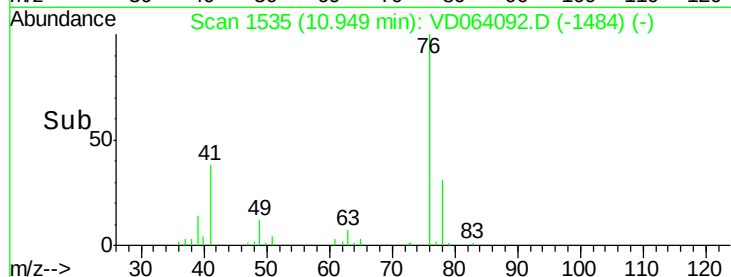
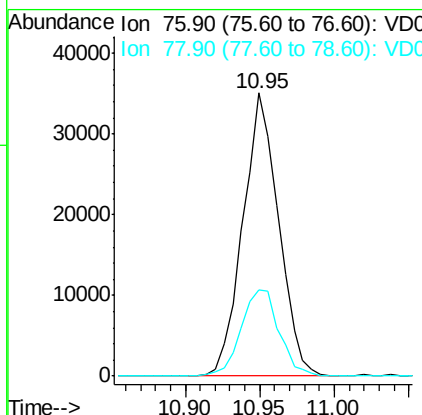
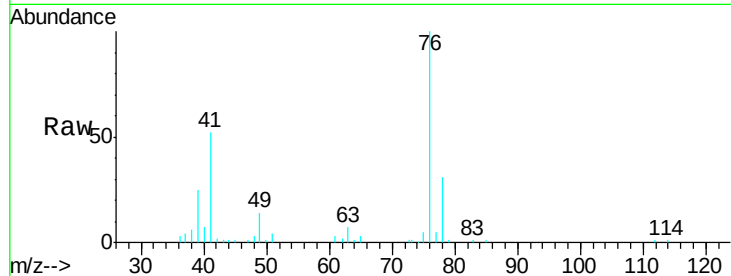
#57
 1,3-Dichloropropane
 Concen: 19.517 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion: 76 Resp: 58141
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

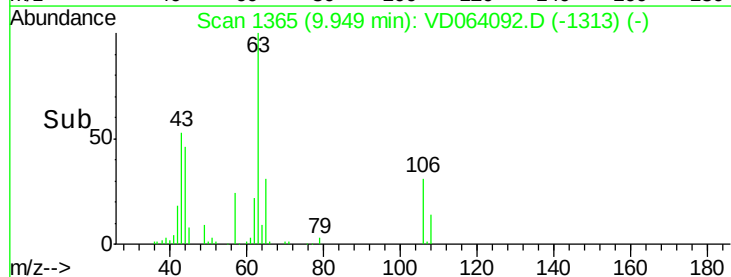
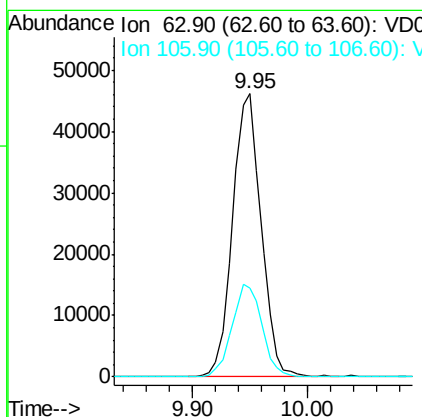
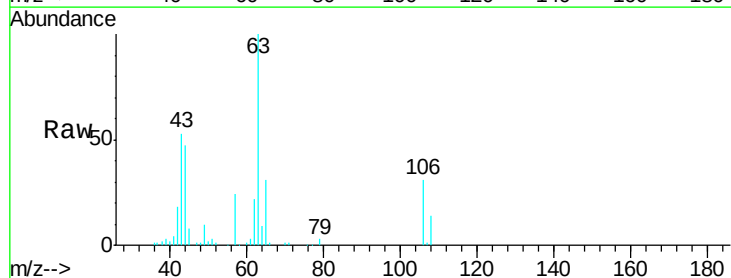
Manual Integrations
 APPROVED

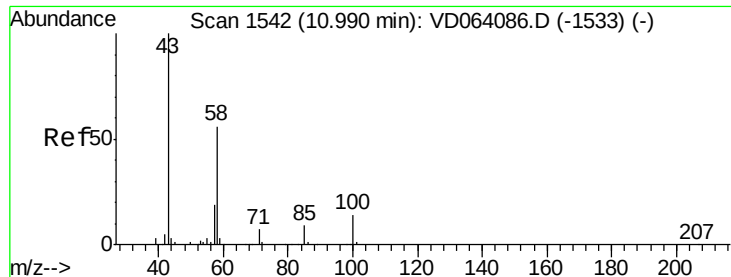
MMDadoda
 10/30/2019 10:58:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.279 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 63 Resp: 79134
 Ion Ratio Lower Upper
 63 100
 106 33.9 25.8 38.8





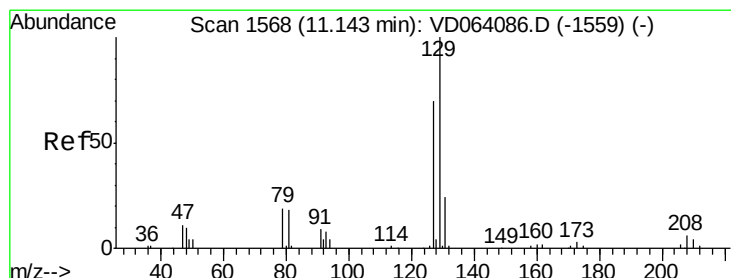
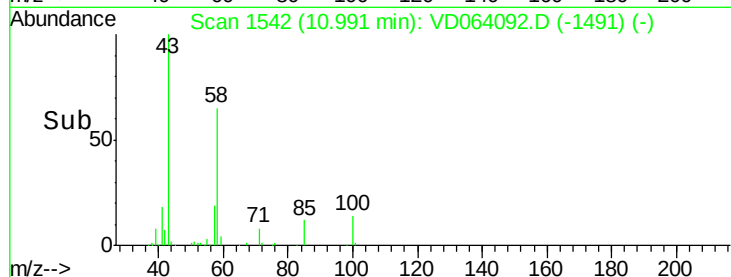
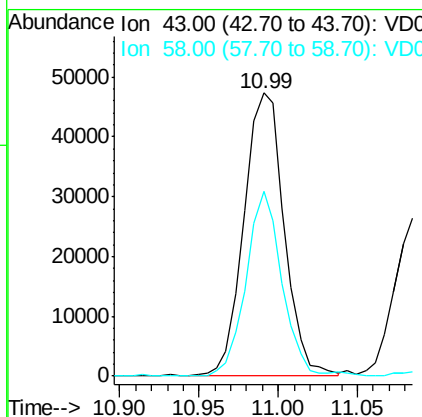
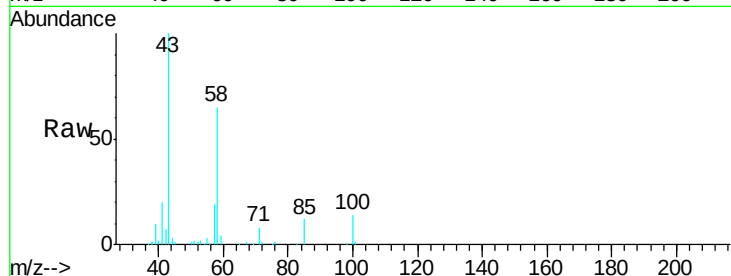
#59
2-Hexanone
Concen: 100.167 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion: 43 Resp: 83790
Ion Ratio Lower Upper
43 100
58 57.7 29.2 87.6

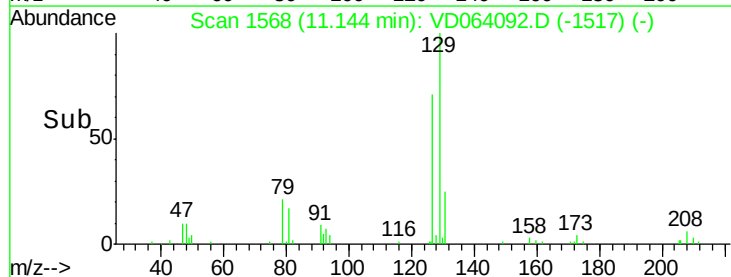
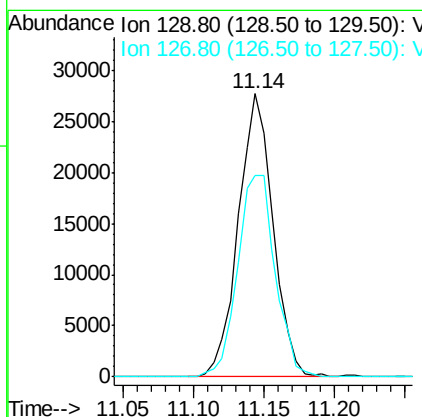
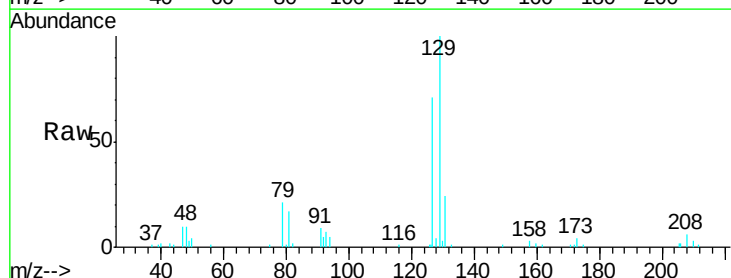
Manual Integrations
APPROVED

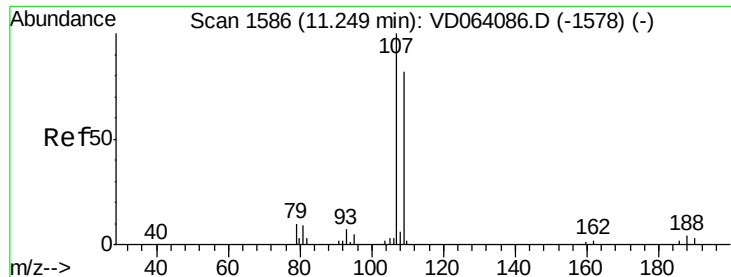
MMDadoda
10/30/2019 10:58:40 AM



#60
Dibromochloromethane
Concen: 19.492 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion: 129 Resp: 47654
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





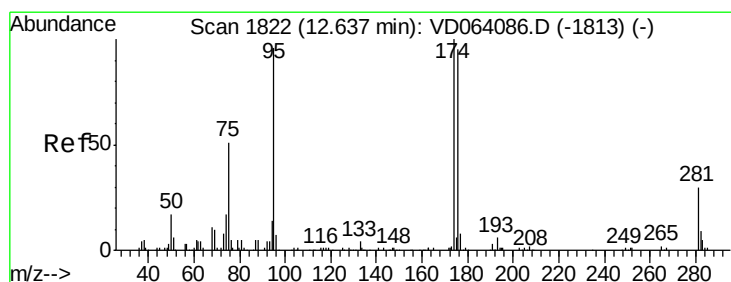
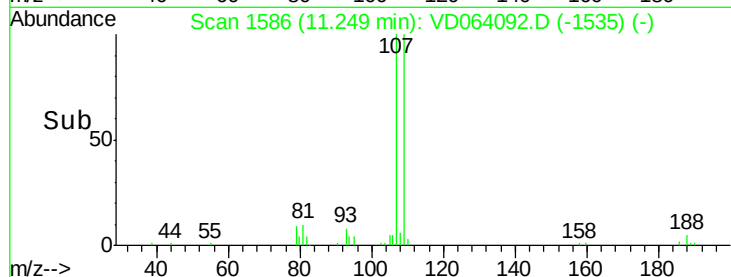
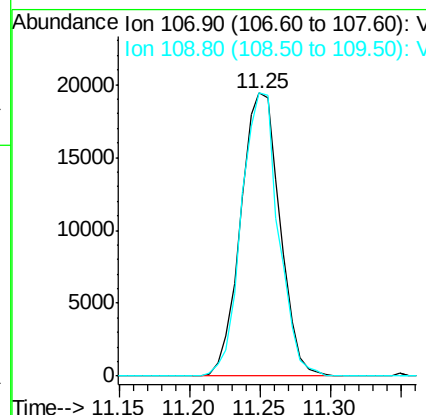
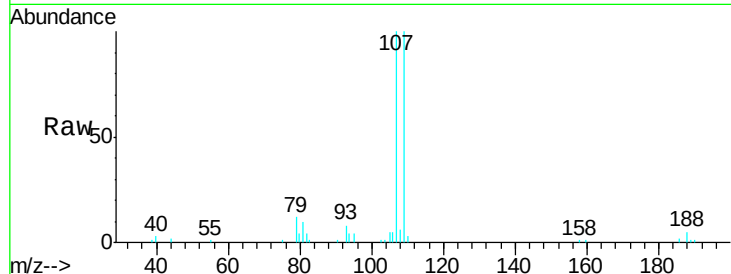
#61
 1,2-Dibromoethane
 Concen: 20.919 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tgt Ion: 107 Resp: 37687
 Ion Ratio Lower Upper
 107 100
 109 94.4 73.0 109.4

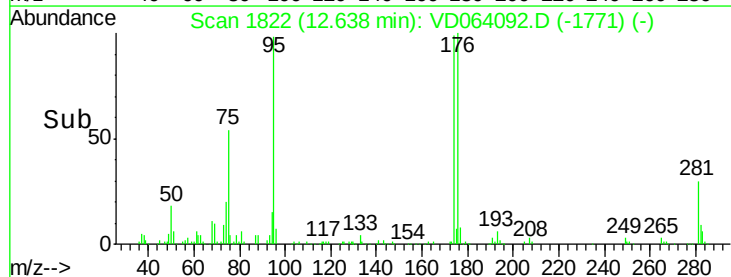
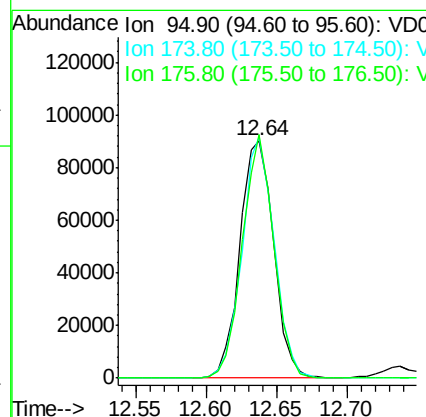
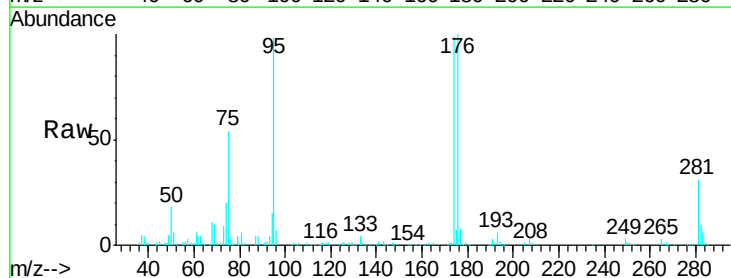
Manual Integrations
 APPROVED

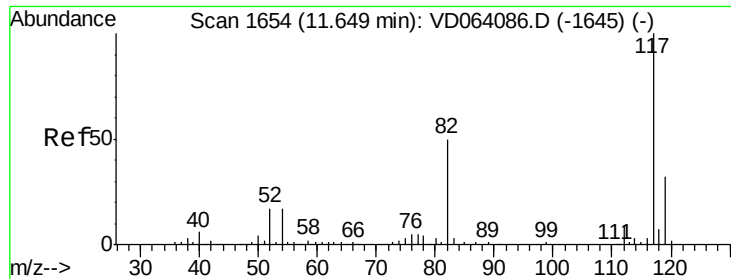
MMDadoda
 10/30/2019 10:58:40 AM



#62
 4-Bromofluorobenzene
 Concen: 51.782 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 95 Resp: 150462
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 201.6
 176 95.4 0.0 192.6





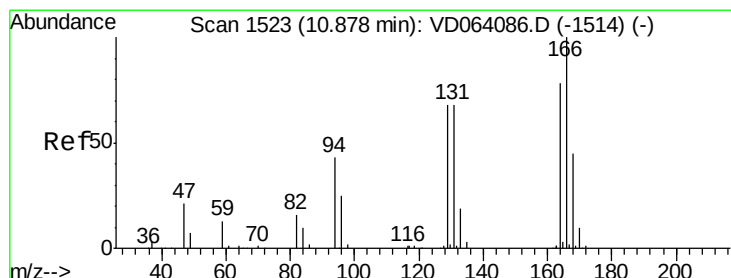
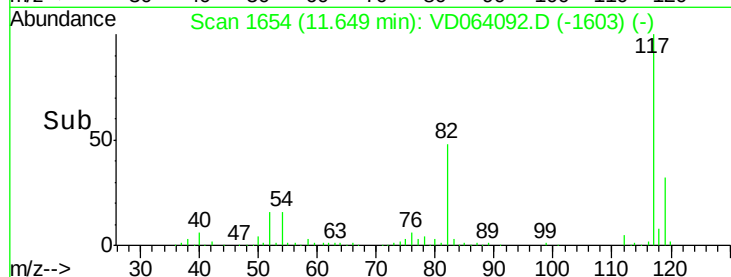
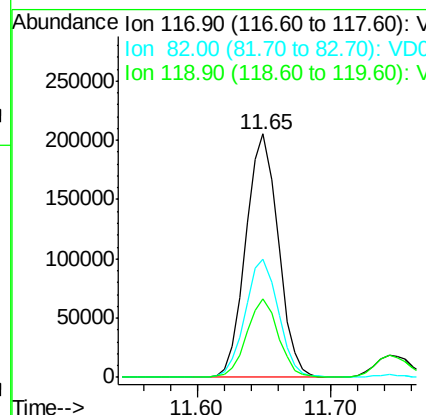
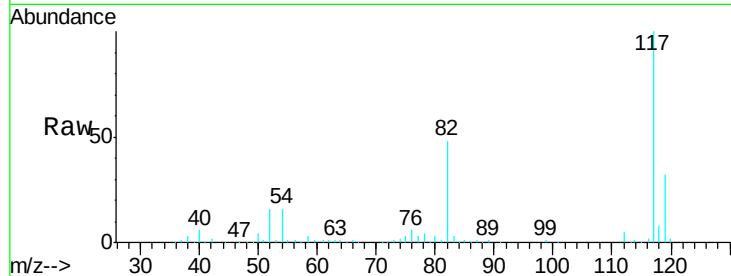
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	345185		
82	48.3	40.2	60.4	
119	32.1	26.0	39.0	

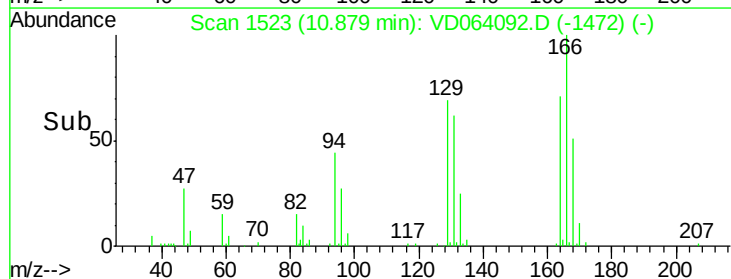
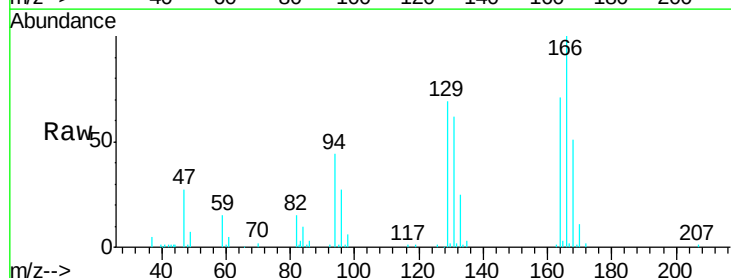
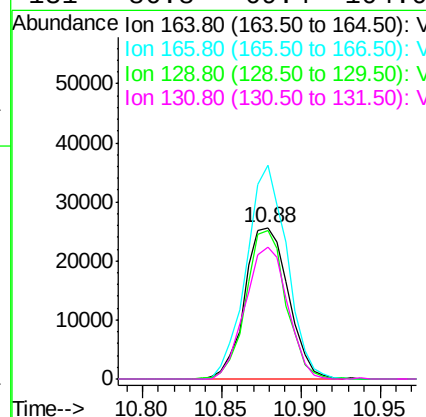
Manual Integrations
APPROVED

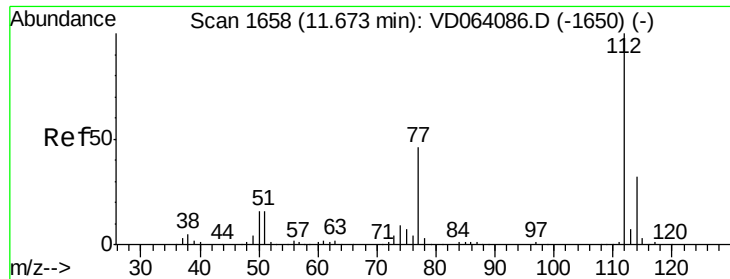
MMDadoda
10/30/2019 10:58:40 AM



#64
Tetrachloroethene
Concen: 19.835 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49188		
166	141.0	102.7	154.1	
129	97.7	69.8	104.6	
131	86.8	69.4	104.0	





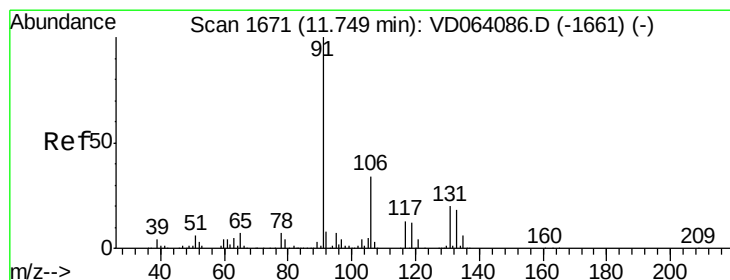
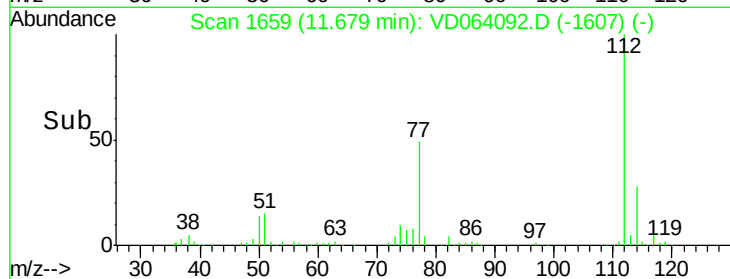
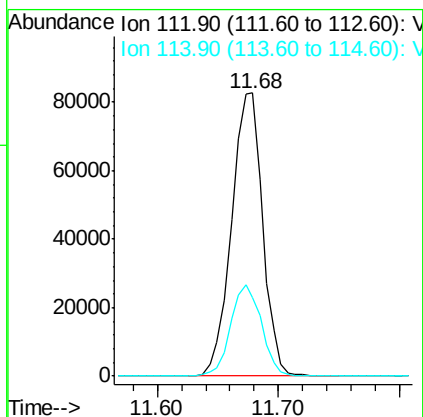
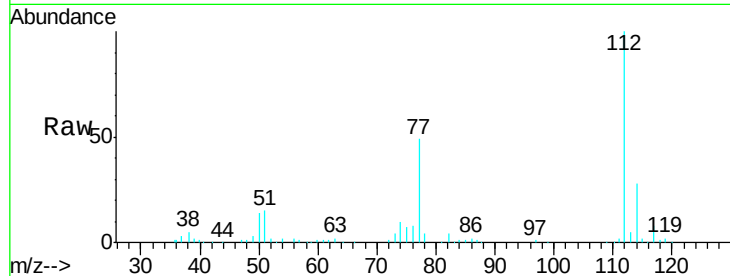
#65
Chlorobenzene
Concen: 20.772 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion:112 Resp: 148155
Ion Ratio Lower Upper
112 100
114 27.5 25.4 38.0

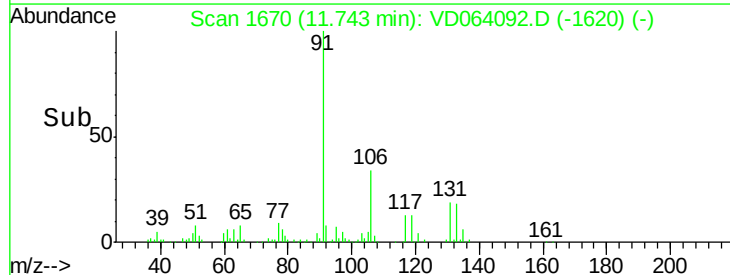
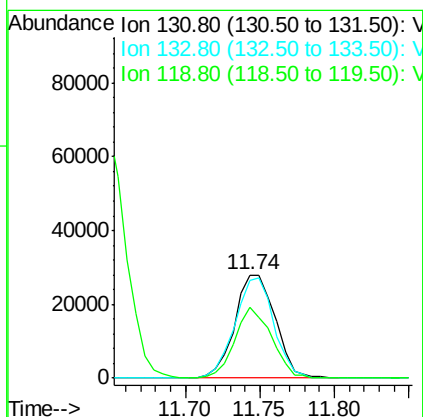
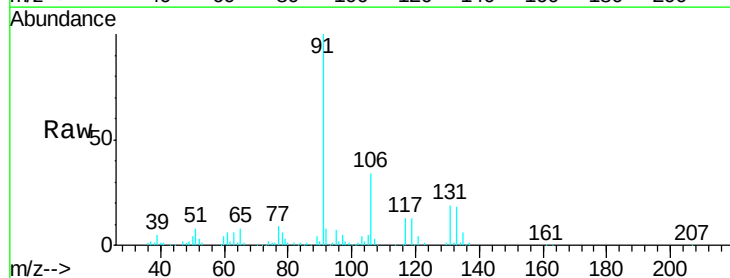
Manual Integrations
APPROVED

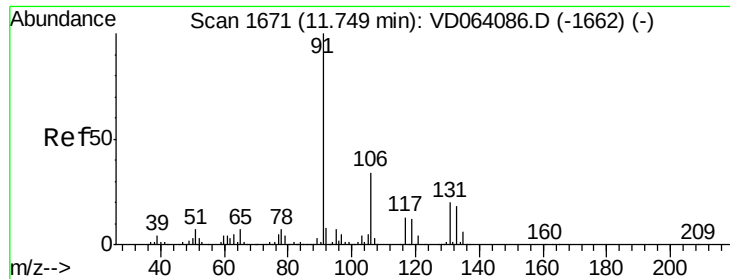
MMDadoda
10/30/2019 10:58:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.572 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:131 Resp: 52233
Ion Ratio Lower Upper
131 100
133 93.9 47.6 142.9
119 63.5 31.4 94.3





#67

Ethyl Benzene

Concen: 19.568 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 91 Resp: 248240

Ion Ratio Lower Upper

91 100

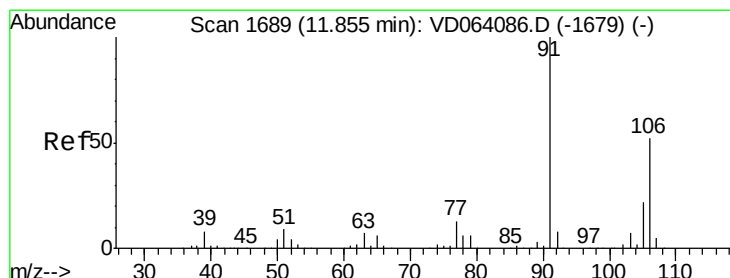
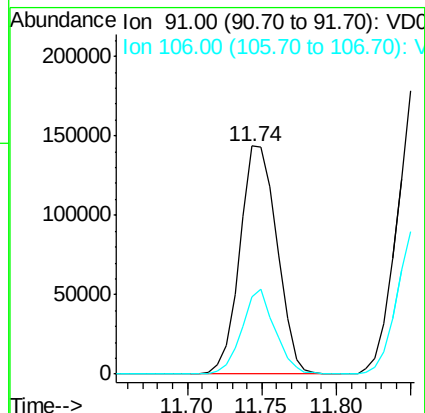
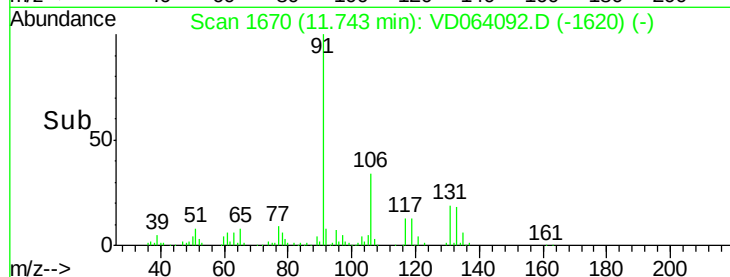
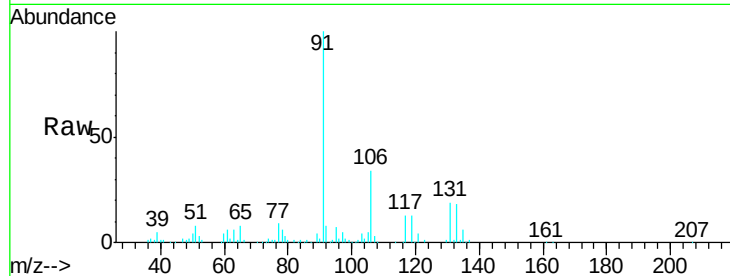
106 33.9 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:40 AM



#68

m/p-Xylenes

Concen: 39.967 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064092.D

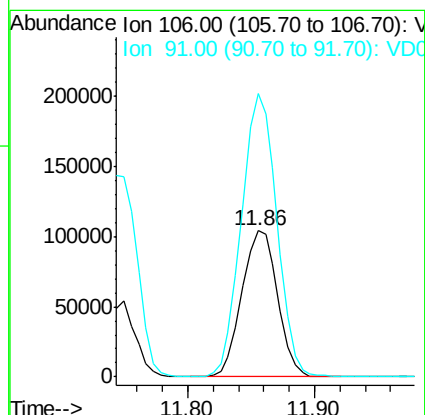
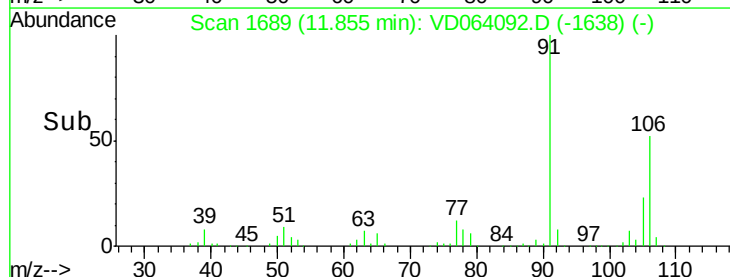
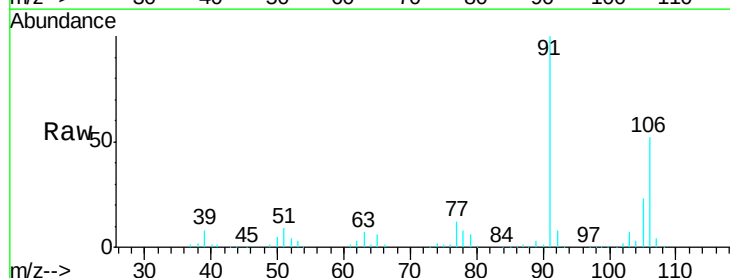
Acq: 29 Oct 2019 16:49

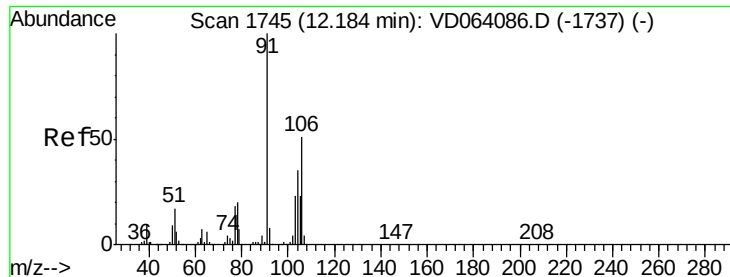
Tgt Ion: 106 Resp: 203937

Ion Ratio Lower Upper

106 100

91 192.3 154.0 231.0





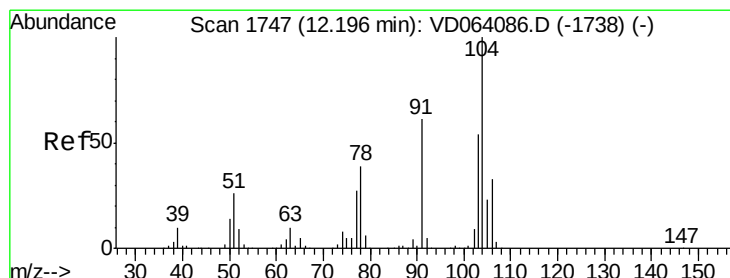
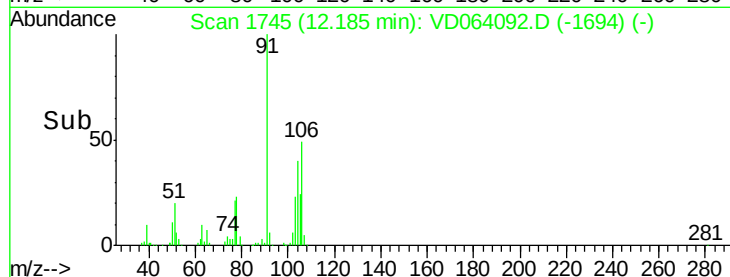
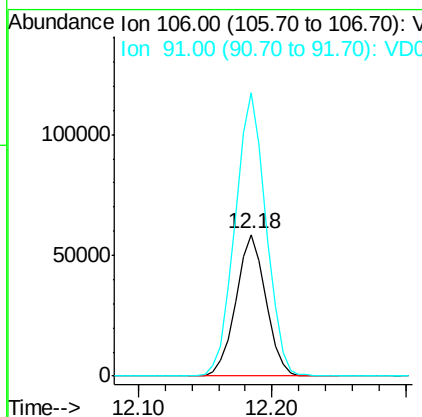
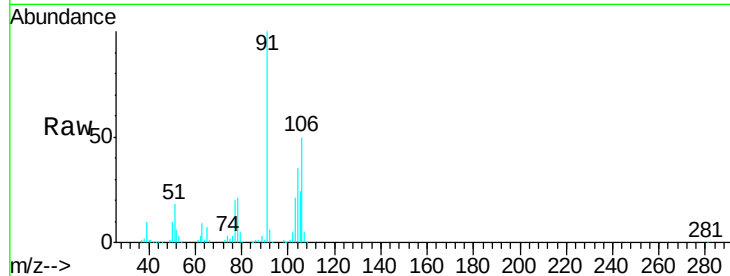
#69
o-Xylene
Concen: 19.541 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleID :
VD1029SBS01

Tgt Ion:106 Resp: 91001
Ion Ratio Lower Upper
106 100
91 207.5 100.6 301.9

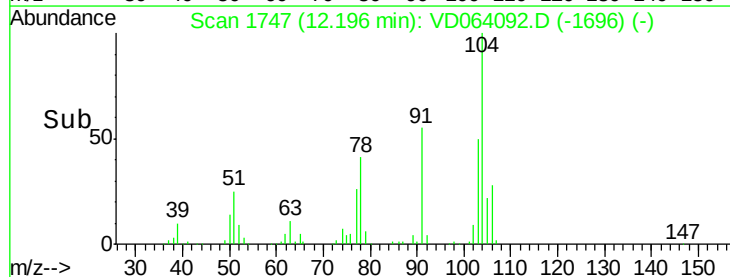
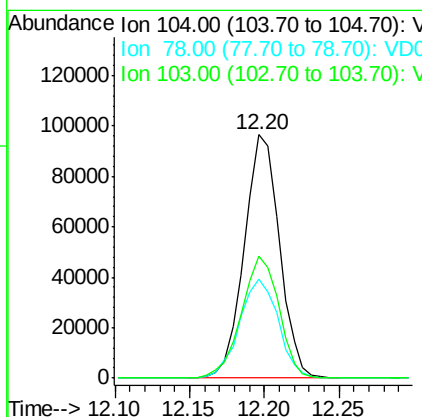
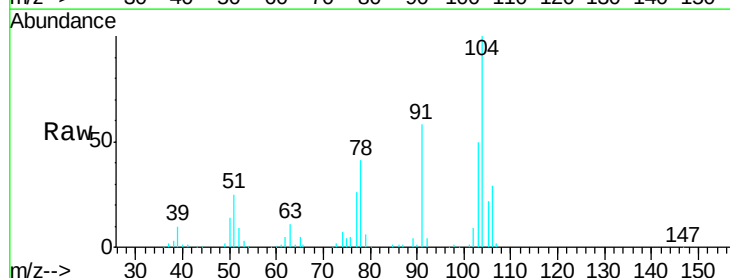
Manual Integrations
APPROVED

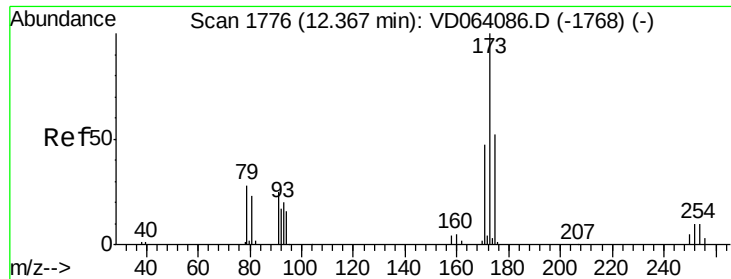
MMDadoda
10/30/2019 10:58:40 AM



#70
Styrene
Concen: 19.650 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion:104 Resp: 157816
Ion Ratio Lower Upper
104 100
78 44.9 34.6 51.8
103 53.6 44.2 66.2





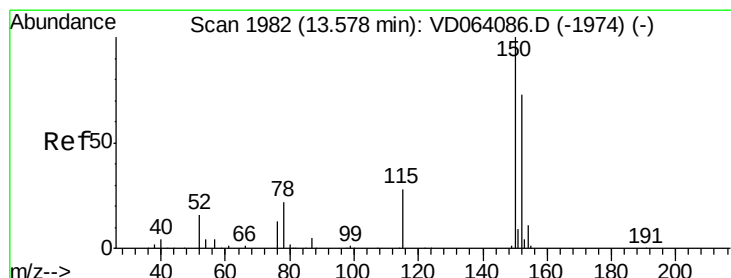
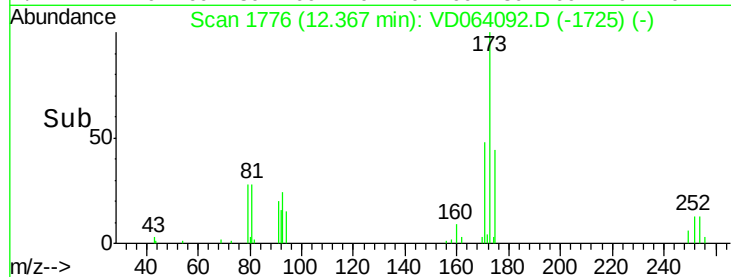
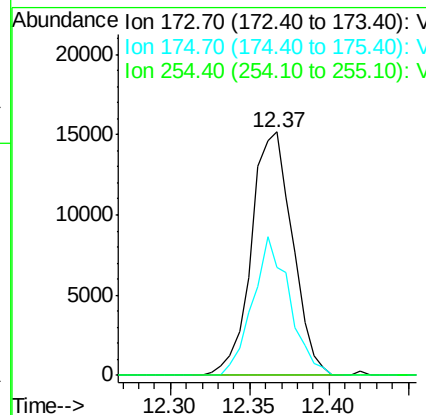
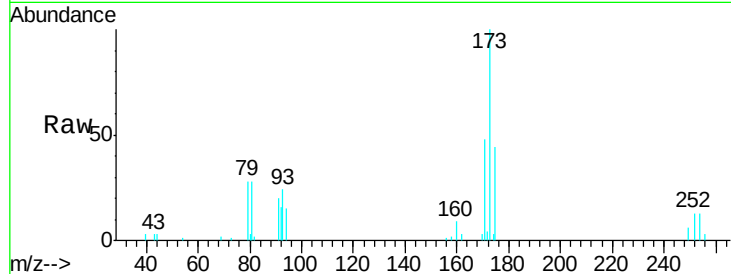
#71
Bromoform
Concen: 19.159 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.3	72.9
254	0.0	0.0	0.0

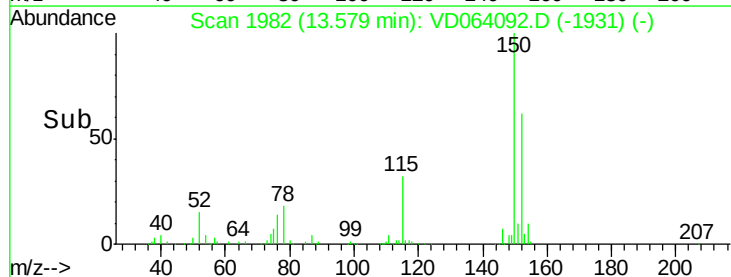
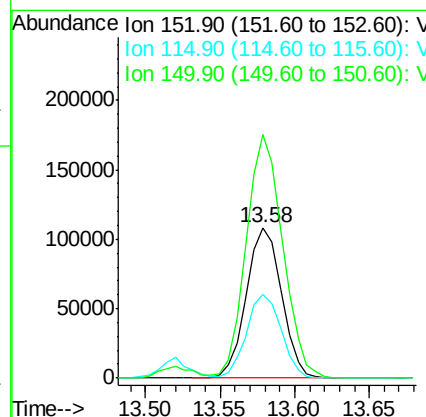
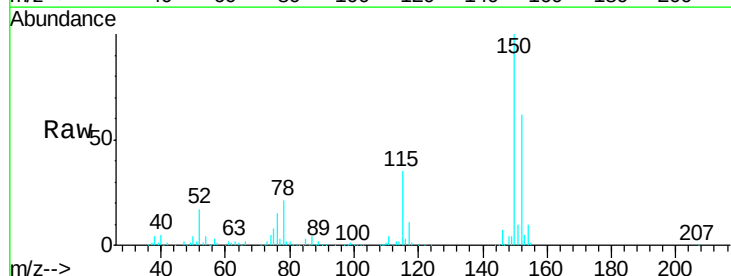
Manual Integrations
APPROVED

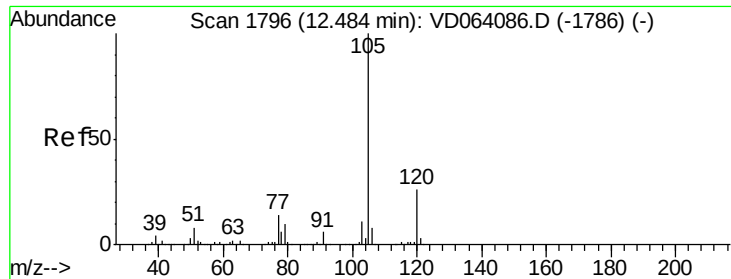
MMDadoda
10/30/2019 10:58:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	26.2	78.6
150	167.0	0.0	338.8





#73

Isopropylbenzene

Concen: 21.077 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion:105 Resp: 259282

Ion Ratio Lower Upper

105 100

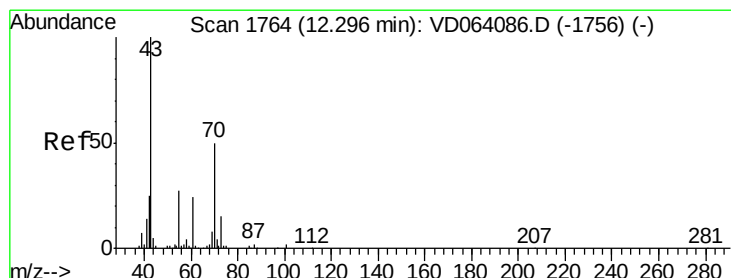
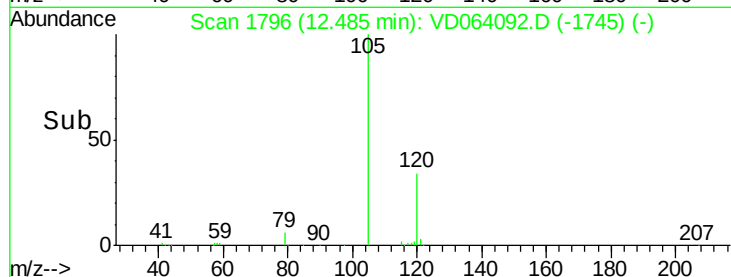
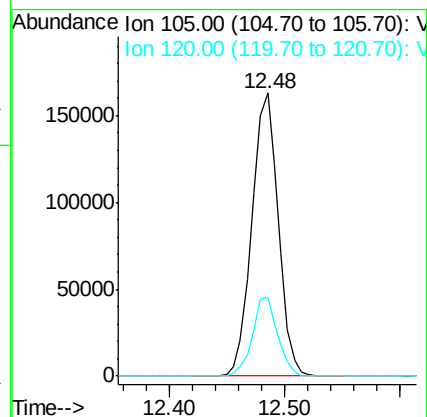
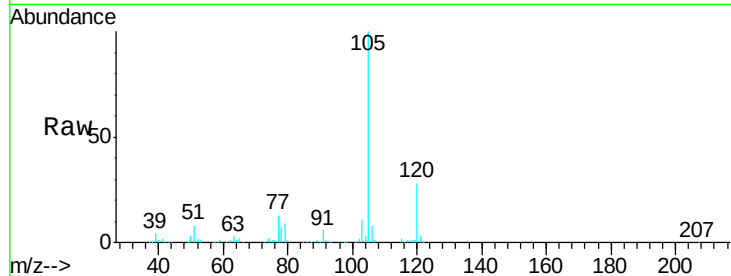
120 26.9 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:40 AM



#74

N-ethyl acetate

Concen: 21.478 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion: 43 Resp: 43896

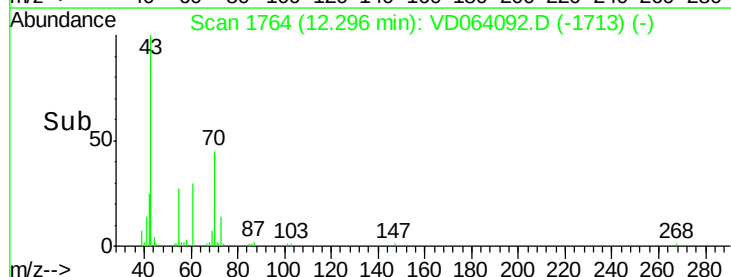
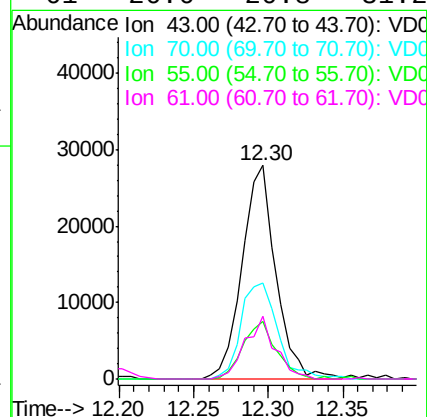
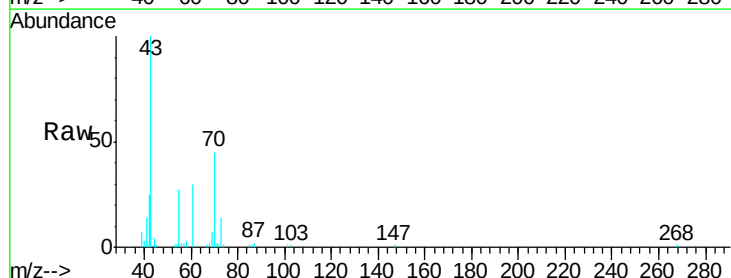
Ion Ratio Lower Upper

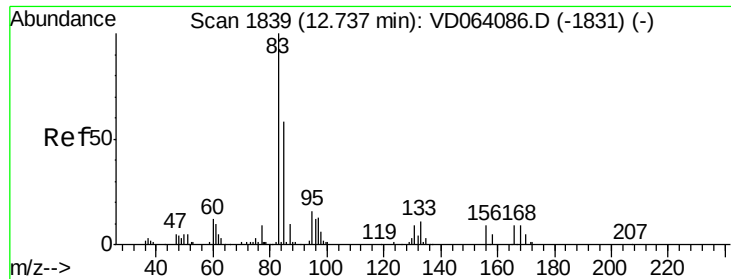
43 100

70 49.0 38.6 58.0

55 26.6 20.4 30.6

61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.462 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

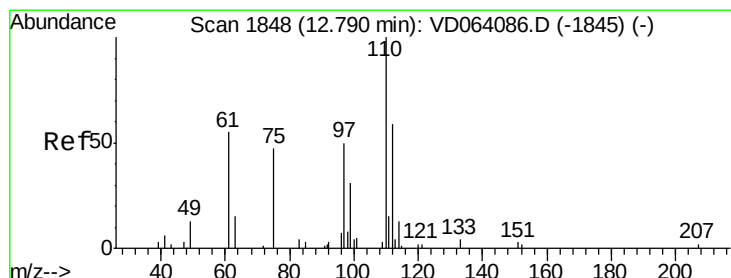
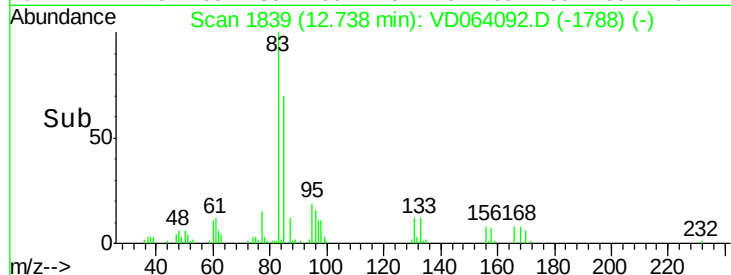
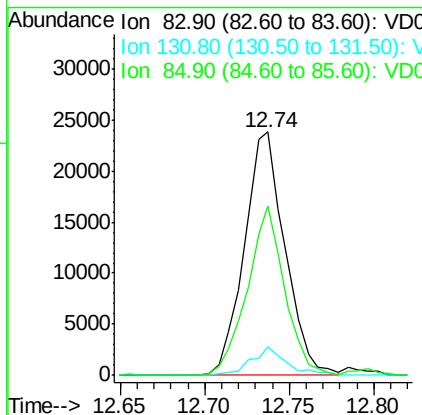
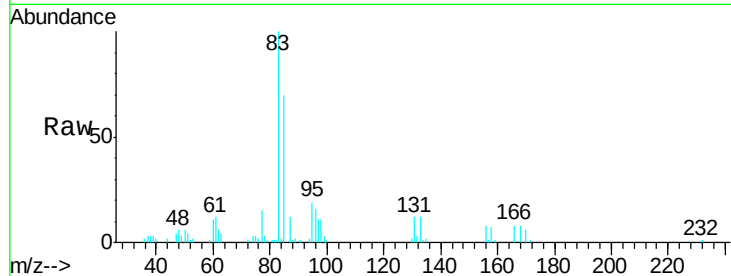
ClientSampleId :

VD1029SBS01

Tgt Ion:	83	Resp:	39677
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.7	17.0
85	63.9	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#76

1,2,3-Trichloropropane

Concen: 20.087 ug/l m

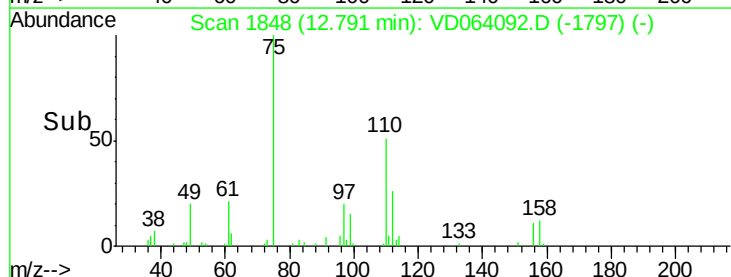
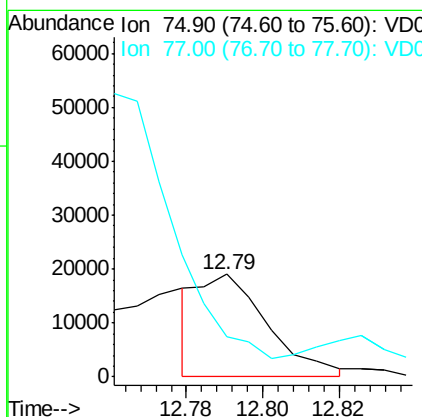
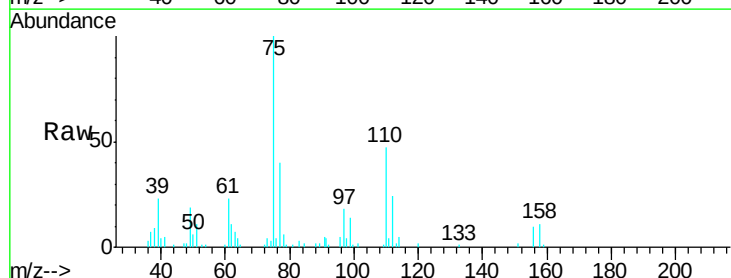
RT: 12.79 min Scan# 1848

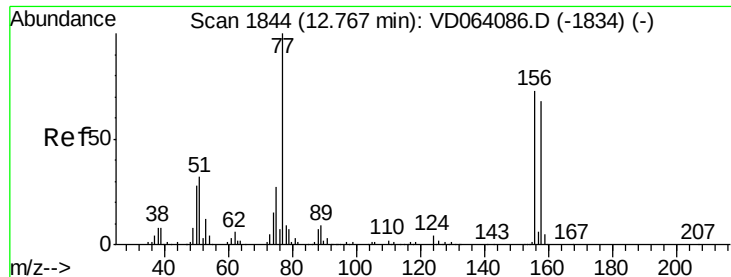
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	75	Resp:	23895
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.482 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

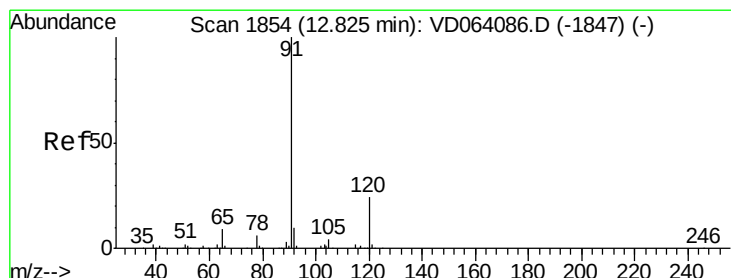
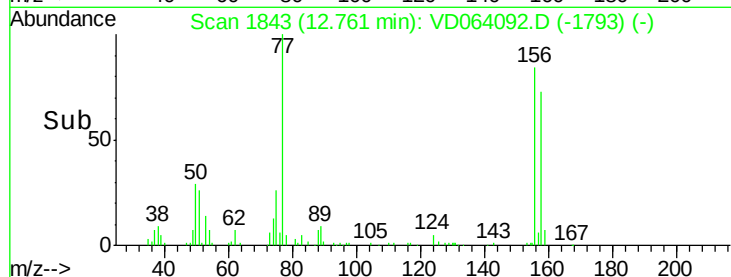
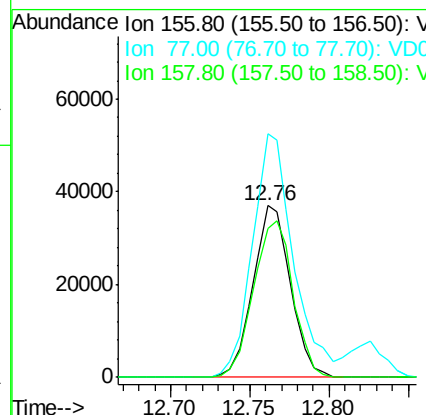
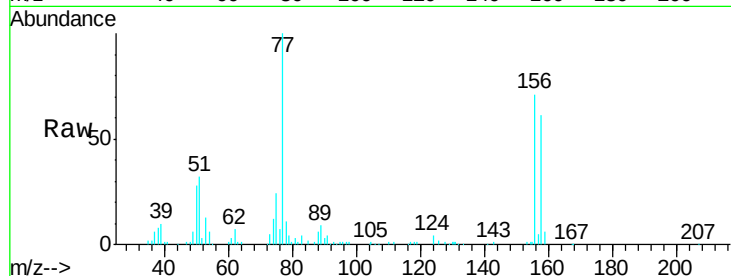
ClientSampleId :

VD1029SBSD01

Tgt Ion:156 Resp: 60835
 Ion Ratio Lower Upper
 156 100
 77 154.9 76.0 228.0
 158 96.4 47.6 142.8

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:40 AM



#78

n-propylbenzene

Concen: 20.942 ug/l

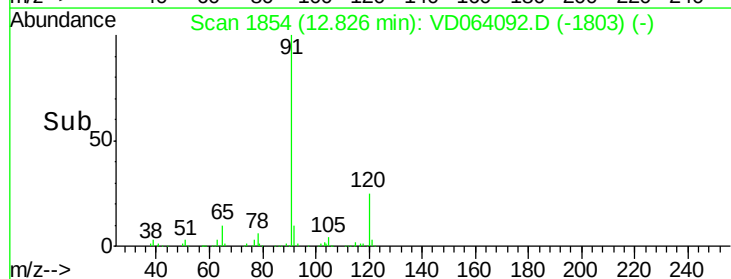
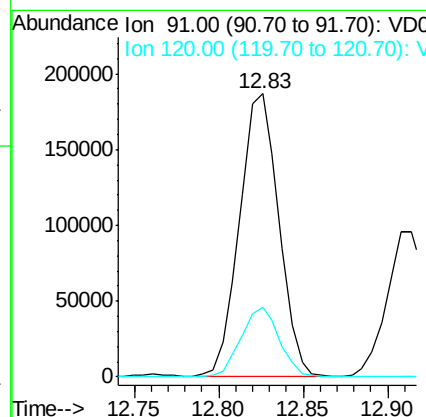
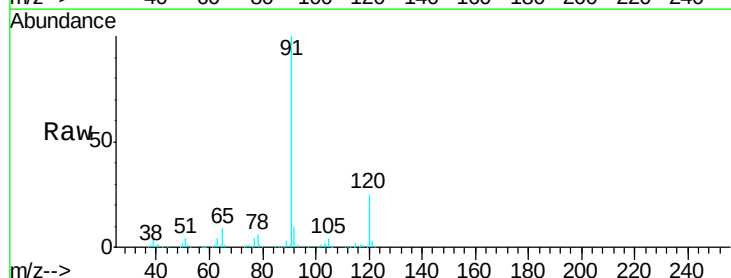
RT: 12.83 min Scan# 1854

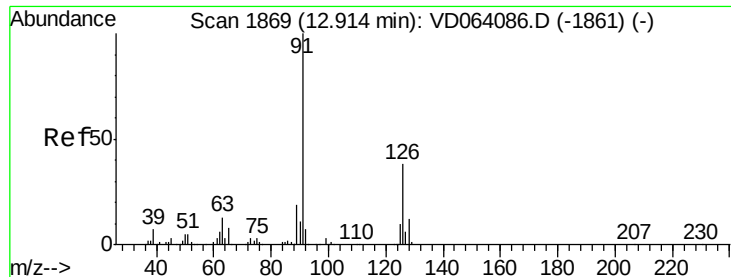
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion: 91 Resp: 301919
 Ion Ratio Lower Upper
 91 100
 120 23.9 12.1 36.3





#79

2-Chlorotoluene

Concen: 20.772 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tgt Ion: 91 Resp: 160529

Ion Ratio Lower Upper

91 100

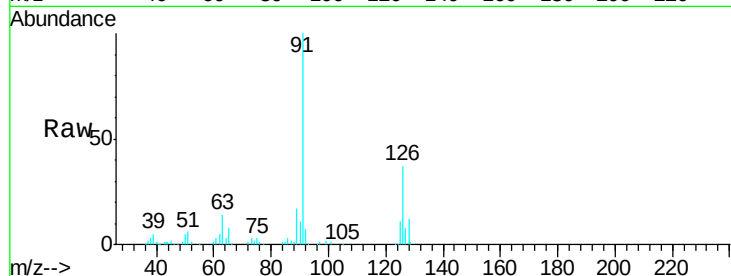
126 38.2 19.1 57.1

Manual Integrations

APPROVED

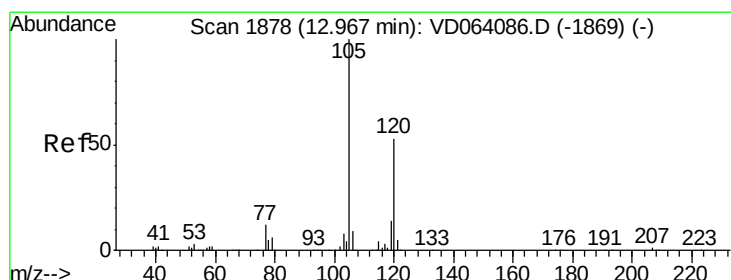
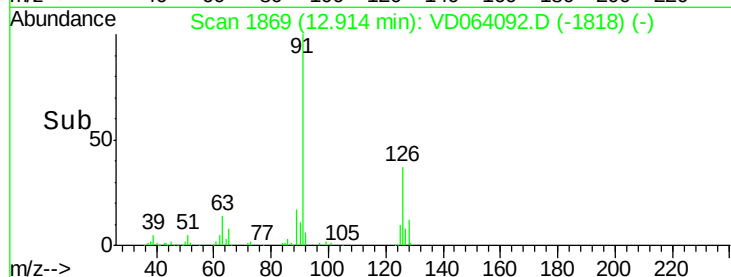
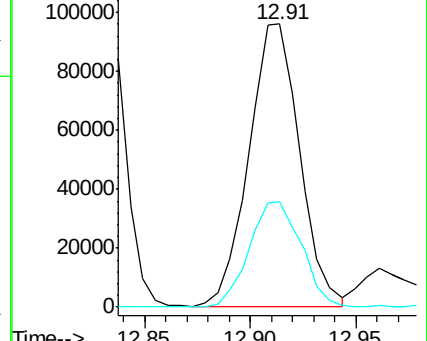
MMDadoda

10/30/2019 10:58:40 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.779 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064092.D

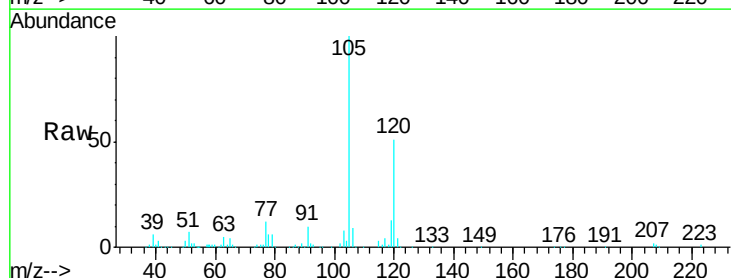
Acq: 29 Oct 2019 16:49

Tgt Ion: 105 Resp: 213933

Ion Ratio Lower Upper

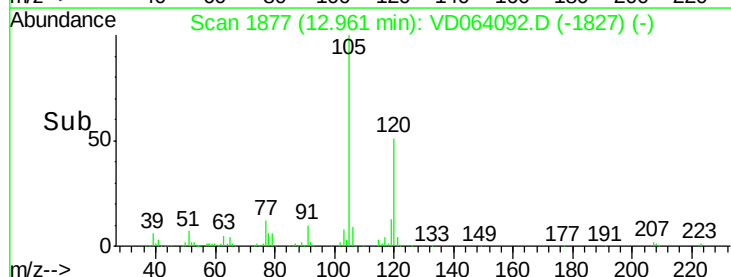
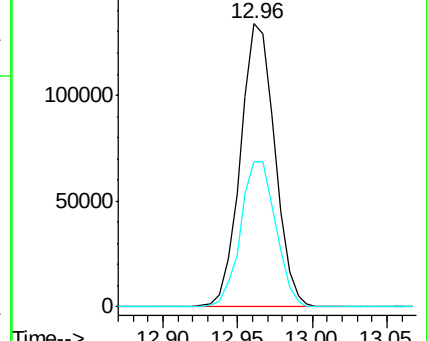
105 100

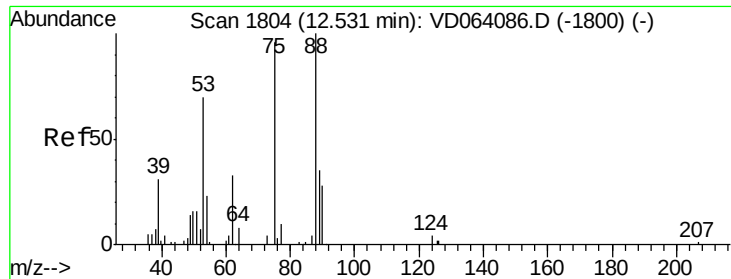
120 52.3 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.006 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Instrument :

MSVOA_D

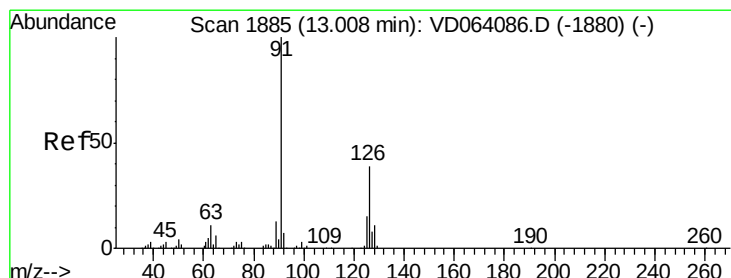
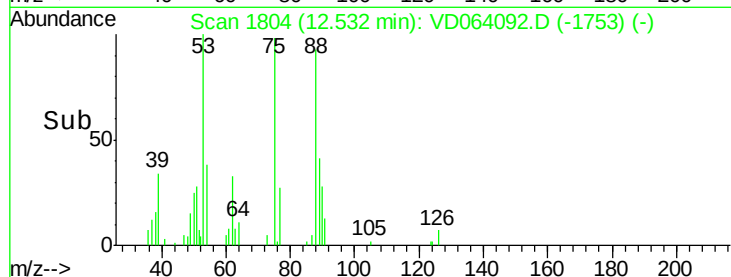
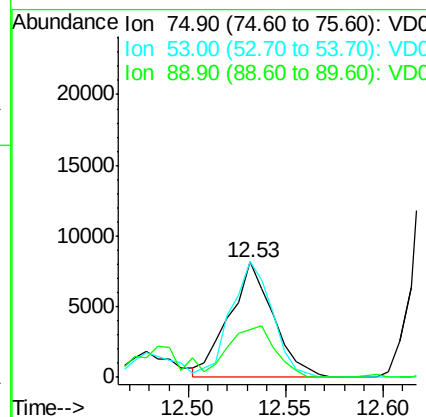
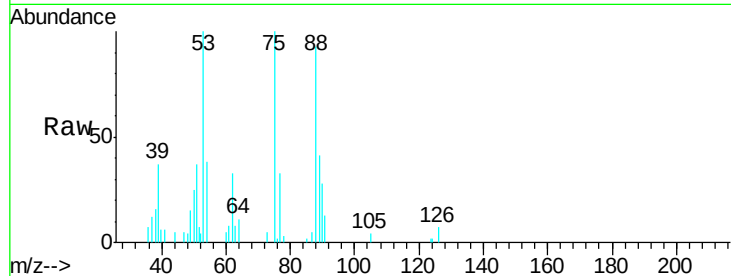
ClientSampleId :

VD1029SBSD01

Tgt Ion:	75	Resp:	12818
Ion	Ratio	Lower	Upper
75	100		
53	94.0	68.6	103.0
89	46.7	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#82

4-Chlorotoluene

Concen: 20.412 ug/l

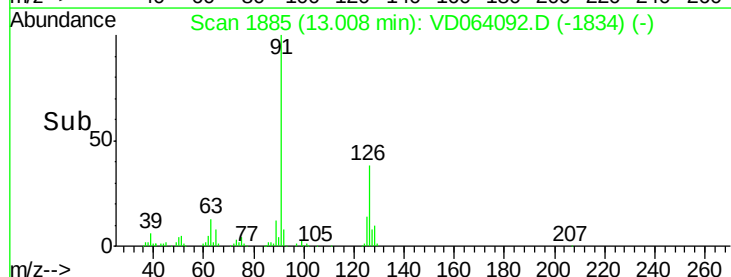
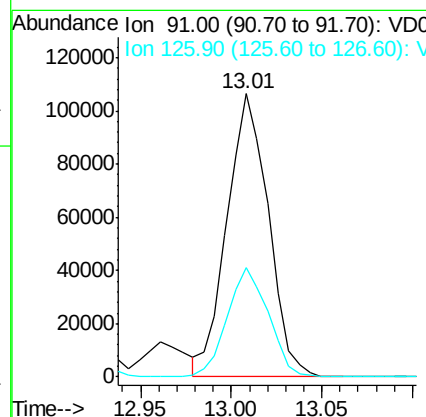
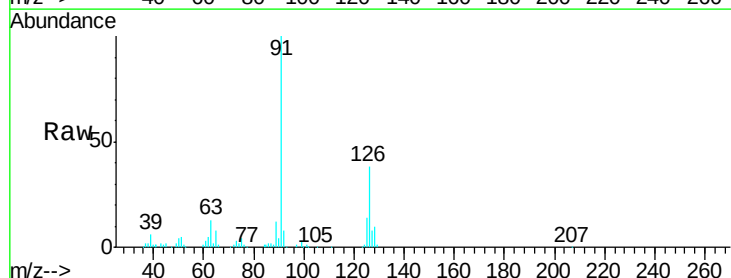
RT: 13.01 min Scan# 1885

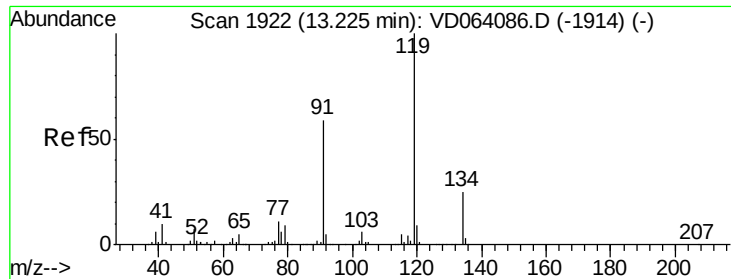
Delta R.T. 0.00 min

Lab File: VD064092.D

Acq: 29 Oct 2019 16:49

Tgt Ion:	91	Resp:	168552
Ion	Ratio	Lower	Upper
91	100		
126	38.6	18.9	56.5





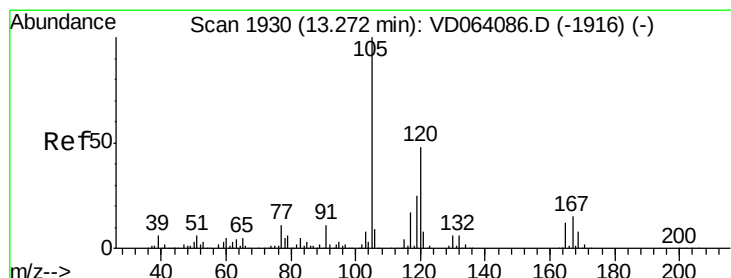
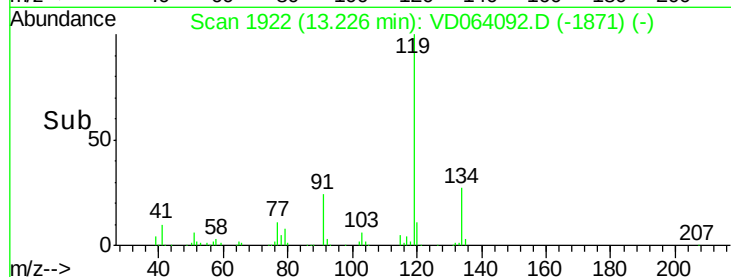
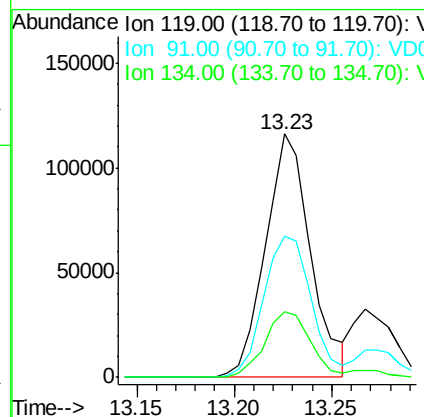
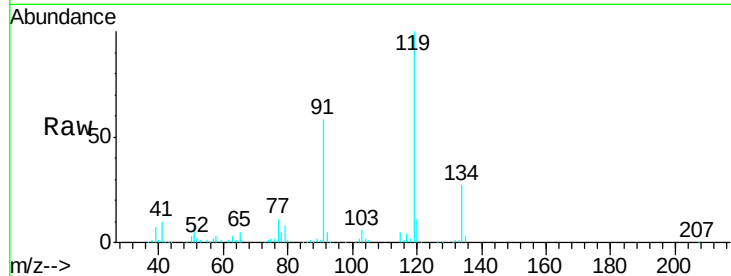
#83
 tert-Butylbenzene
 Concen: 20.109 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	185958		
91	60.9	28.3	85.0	
134	27.3	12.9	38.6	

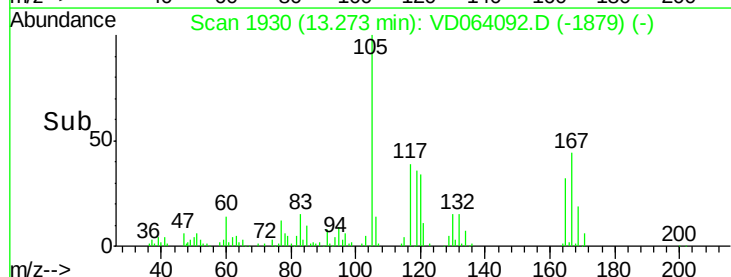
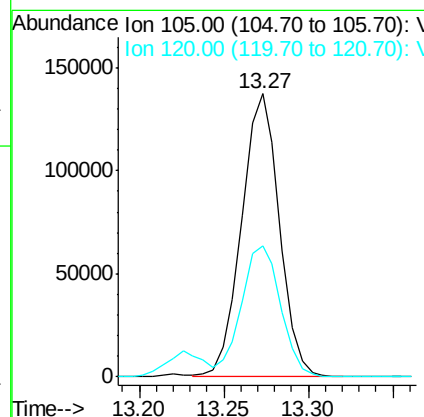
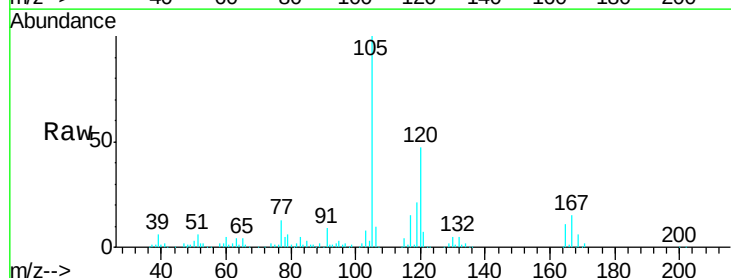
Manual Integrations
 APPROVED

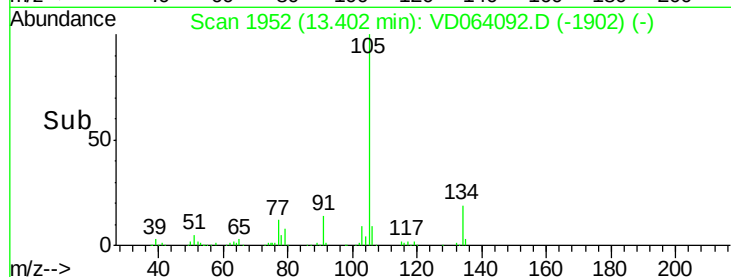
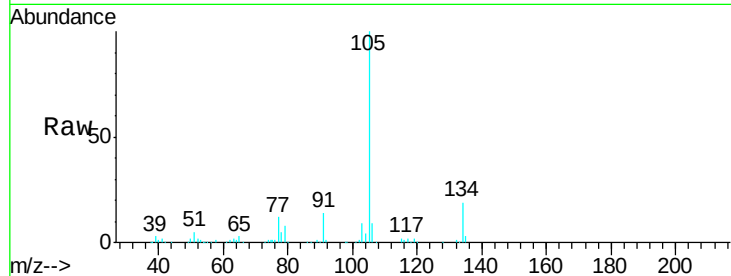
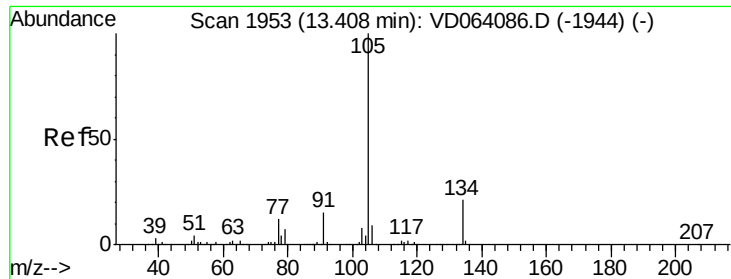
MMDadoda
 10/30/2019 10:58:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.603 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	213096		
120	48.2	24.1	72.4	





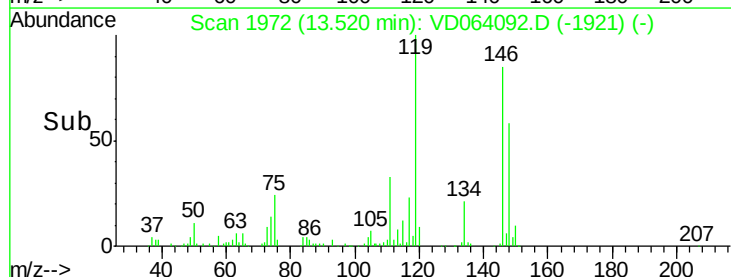
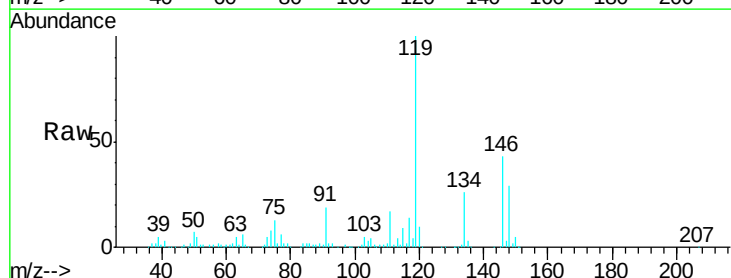
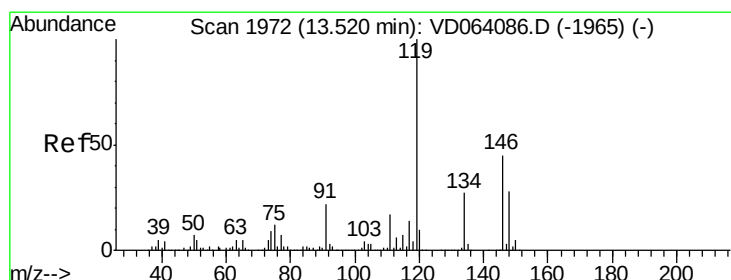
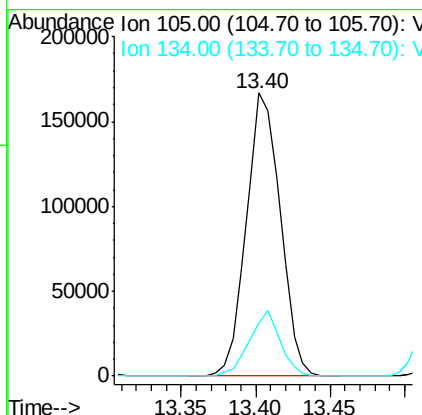
#85
 sec-Butylbenzene
 Concen: 20.627 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 105 Resp: 261950
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

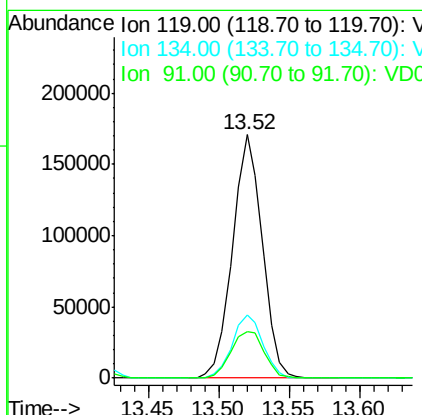
Manual Integrations
 APPROVED

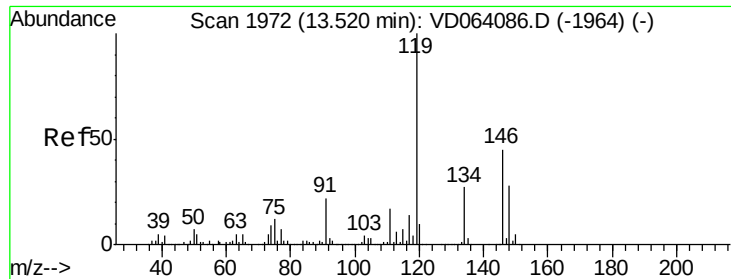
MMDadoda
 10/30/2019 10:58:40 AM



#86
 p-Isopropyltoluene
 Concen: 20.978 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion: 119 Resp: 250307
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.6 40.8
 91 21.2 10.9 32.6





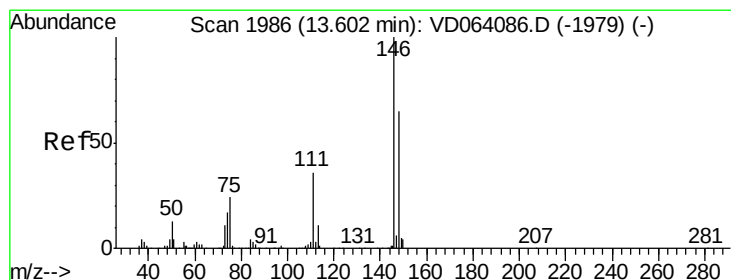
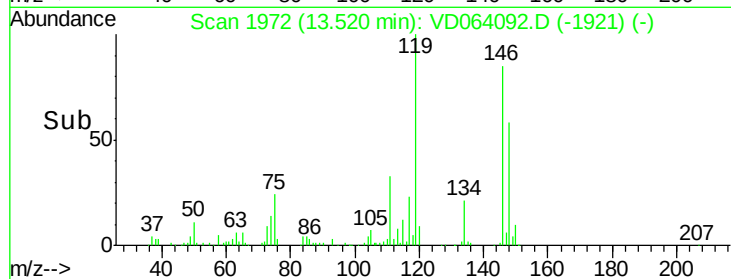
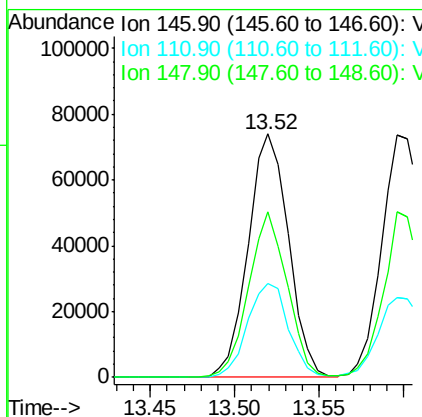
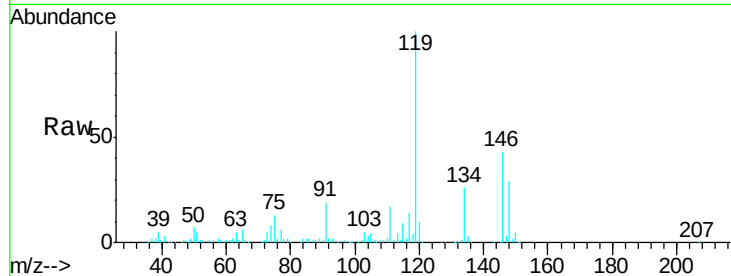
#87
 1,3-Dichlorobenzene
 Concen: 20.717 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	38.9	18.9	56.9
148	64.8	32.1	96.3

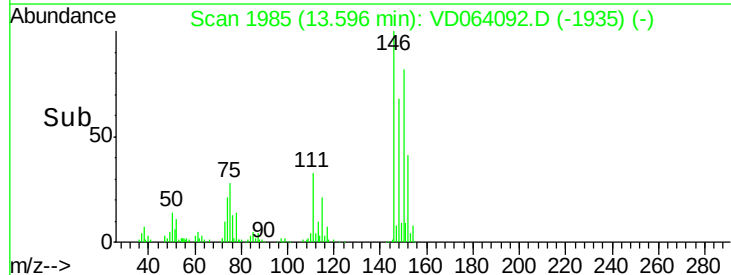
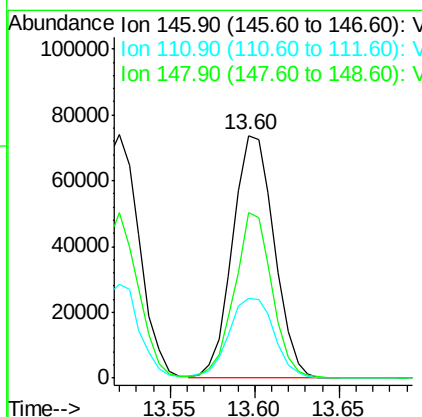
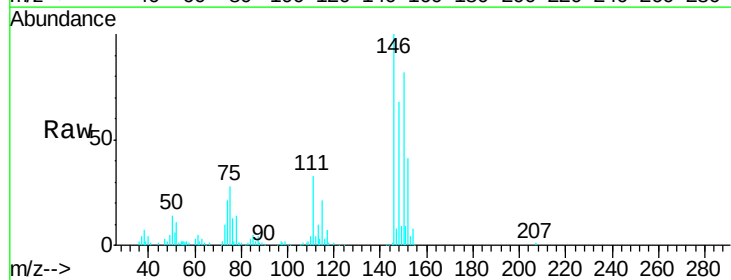
Manual Integrations
 APPROVED

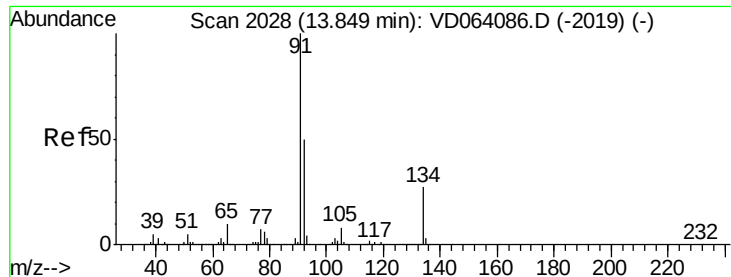
MMDadoda
 10/30/2019 10:58:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.618 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	35.9	18.4	55.4
148	61.9	32.4	97.0





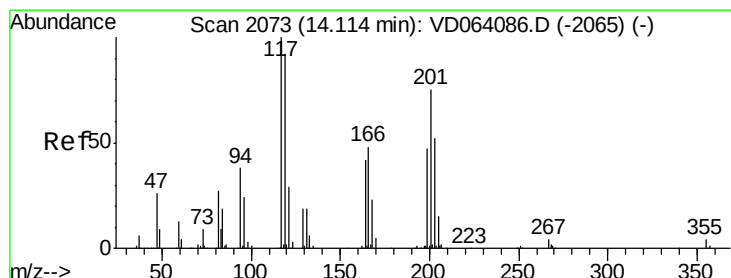
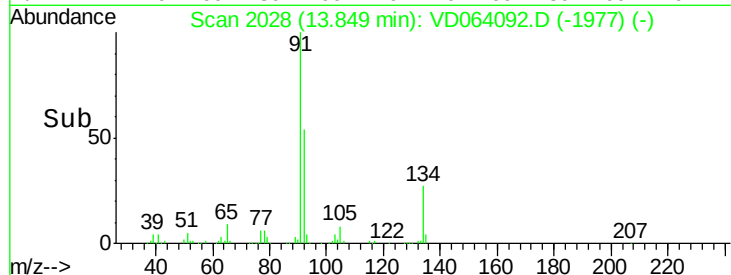
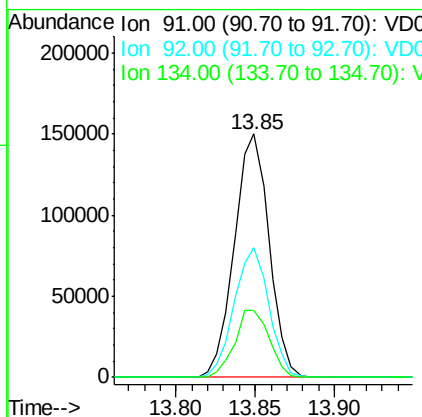
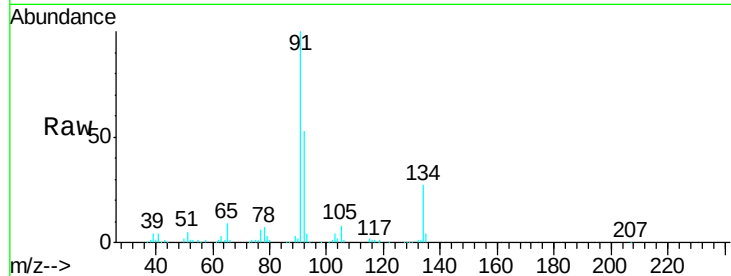
#89
n-Butylbenzene
Concen: 20.710 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.6	76.6
134	27.7	14.0	42.0

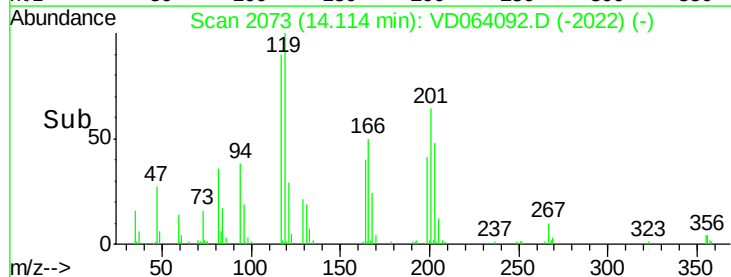
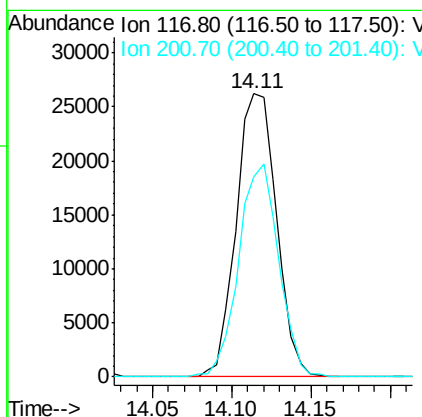
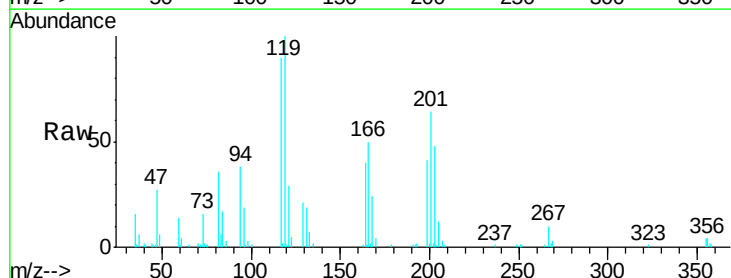
Manual Integrations
APPROVED

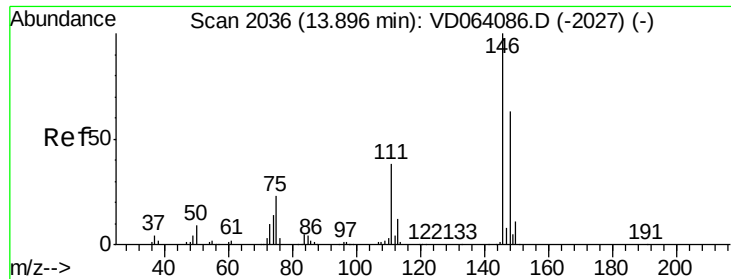
MMDadoda
10/30/2019 10:58:40 AM



#90
Hexachloroethane
Concen: 20.727 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.9	38.4	115.2





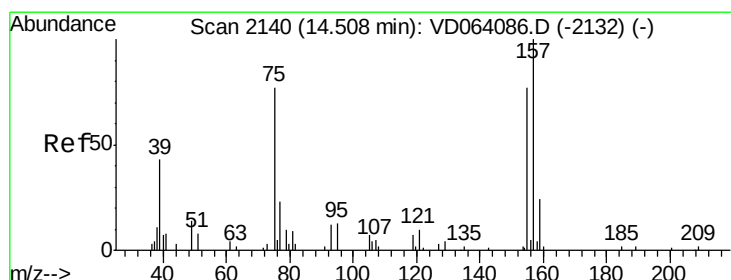
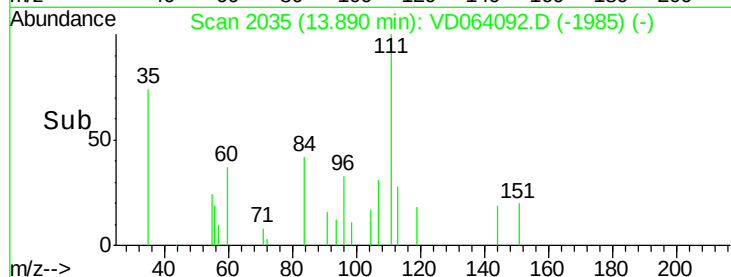
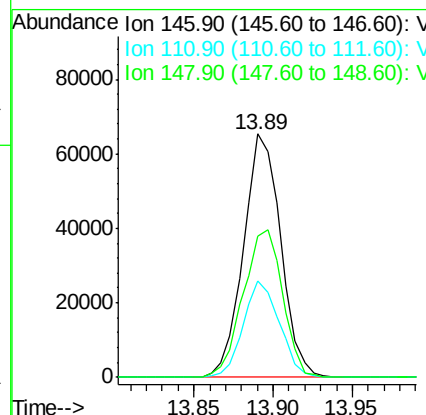
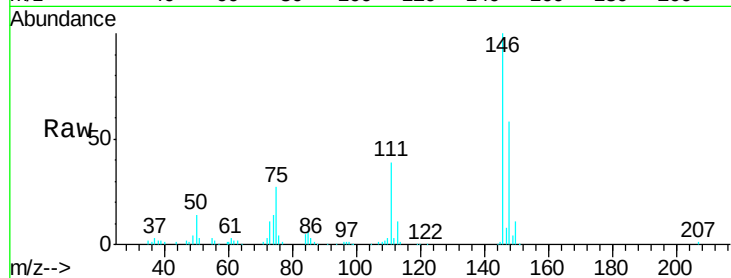
#91
 1,2-Dichlorobenzene
 Concen: 20.814 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.3	32.1	96.5

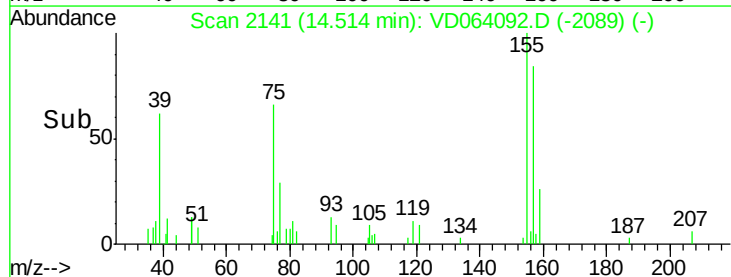
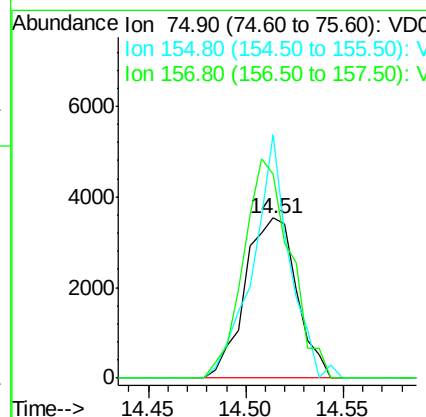
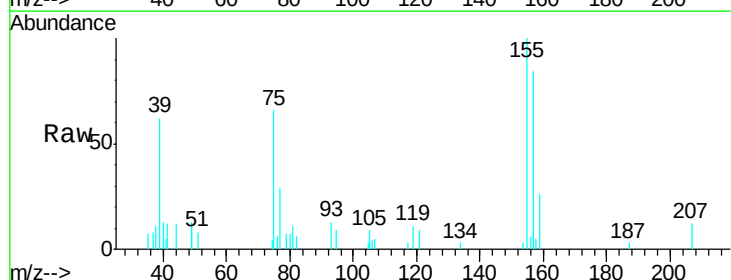
Manual Integrations
 APPROVED

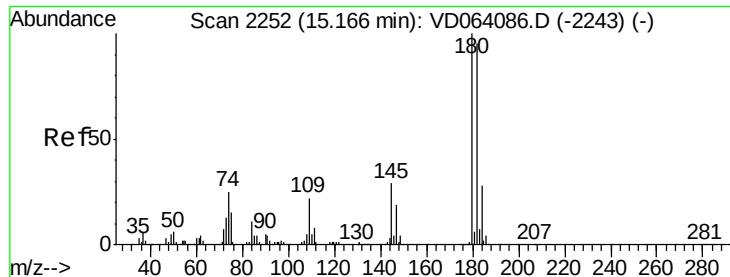
MMDadoda
 10/30/2019 10:58:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.875 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	56.3	168.9
157	124.3	72.2	216.6





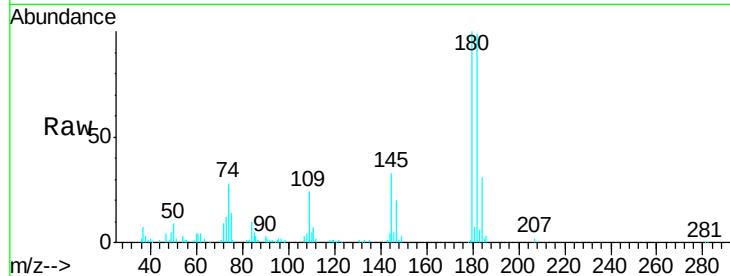
#93
 1,2,4-Trichlorobenzene
 Concen: 21.585 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

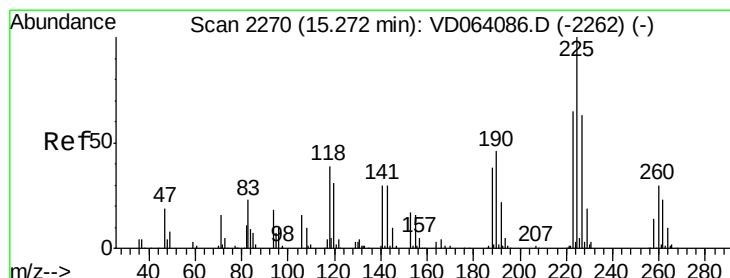
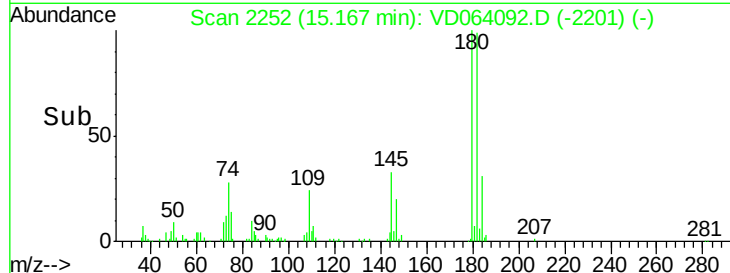
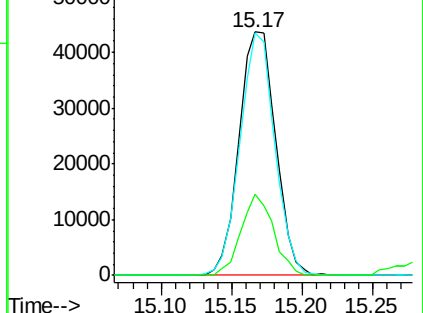
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.7
145	29.3	14.2	42.6

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:40 AM

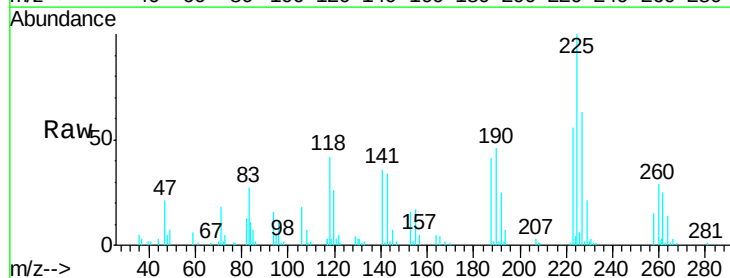


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

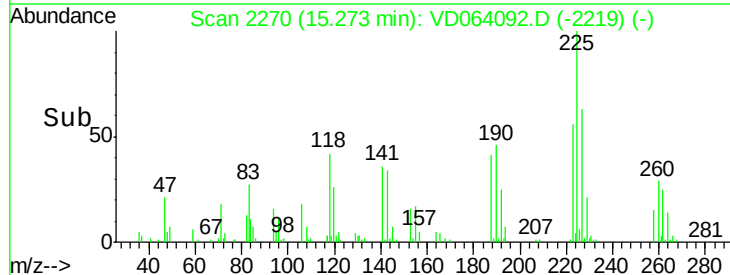
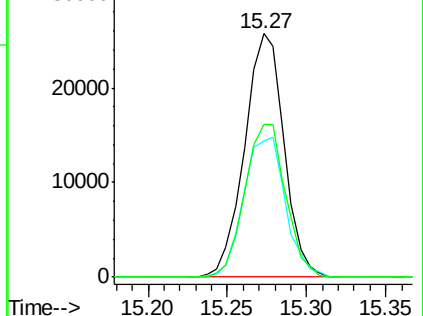


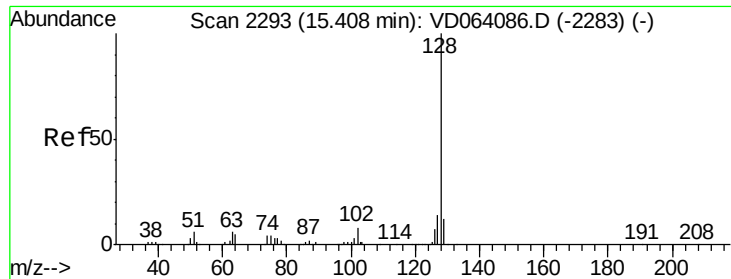
#94
 Hexachlorobutadiene
 Concen: 20.677 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064092.D
 Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.8	92.3
227	64.7	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





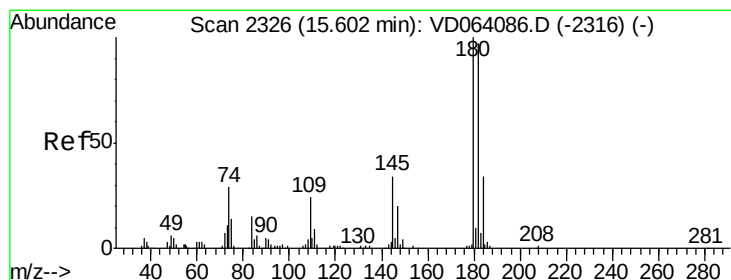
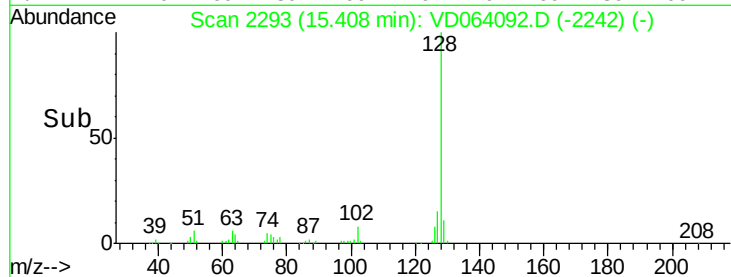
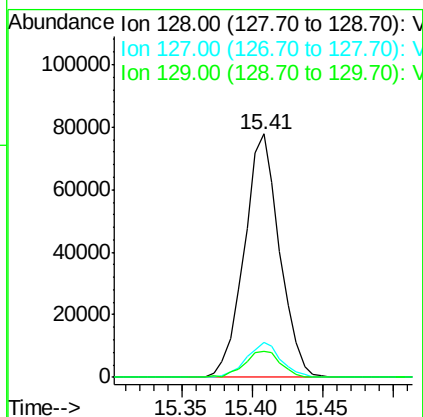
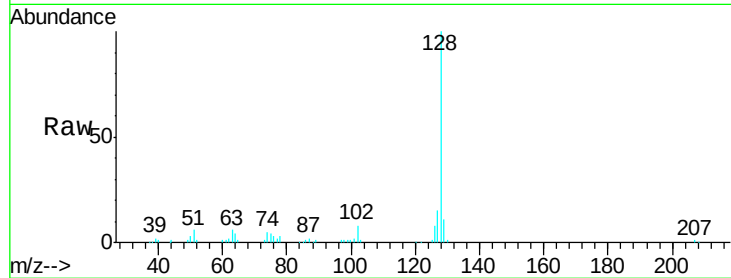
#95
Naphthalene
Concen: 22.731 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.9	16.3
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.332 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064092.D
Acq: 29 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.4	145.0
145	30.0	16.4	49.4

