

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064089.D
 Acq On : 29 Oct 2019 15:09
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:32 AM

Quant Time: Oct 30 08:05:20 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	7.99	168	264561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	391890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	375022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	114123	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	7.91	113	132481	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	10.34	98	524307	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
62) 4-Bromofluorobenzene	12.64	95	179072	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	149805	55.453	ug/l	99
3) Chloromethane	2.21	50	215738	47.864	ug/l	100
4) Vinyl Chloride	2.35	62	239583	49.016	ug/l	100
5) Bromomethane	2.77	94	154691	48.562	ug/l	94
6) Chloroethane	2.92	64	144580	47.623	ug/l	99
7) Trichlorofluoromethane	3.27	101	331351	49.244	ug/l	99
8) Diethyl Ether	3.70	74	56460	48.273	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	128243	52.887	ug/l	99
10) Methyl Iodide	4.29	142	165057	54.941	ug/l	97
11) Tert butyl alcohol	5.24	59	28241	233.675	ug/l	100
12) 1,1-Dichloroethene	4.06	96	122765	53.494	ug/l	84
13) Acrolein	3.92	56	33573	250.247	ug/l	99
14) Allyl chloride	4.71	41	144692	53.867	ug/l	97
15) Acrylonitrile	5.43	53	104938	242.895	ug/l	98
16) Acetone	4.17	43	117480	293.451	ug/l	99
17) Carbon Disulfide	4.40	76	377198	53.485	ug/l	100
18) Methyl Acetate	4.72	43	52733	49.519	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	232904	50.013	ug/l	96
20) Methylene Chloride	4.96	84	137448	54.078	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	136575	53.014	ug/l	98
22) Diisopropyl ether	6.37	45	321325	54.015	ug/l	96
23) Vinyl Acetate	6.31	43	879090	269.593	ug/l	95
24) 1,1-Dichloroethane	6.26	63	209478	52.147	ug/l	99
25) 2-Butanone	7.22	43	140786	254.377	ug/l	97
26) 2,2-Dichloropropane	7.21	77	189303	49.651	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	152376	52.859	ug/l	96
28) Bromochloromethane	7.55	49	81056	51.686	ug/l	99
29) Tetrahydrofuran	7.57	42	78923	244.339	ug/l	96
30) Chloroform	7.71	83	230705	50.189	ug/l	99
31) Cyclohexane	7.99	56	195574	49.973	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	225030	52.591	ug/l	97
36) 1,1-Dichloropropene	8.11	75	185161	50.423	ug/l	98
37) Ethyl Acetate	7.29	43	59185	52.363	ug/l #	93
38) Carbon Tetrachloride	8.10	117	209483	52.285	ug/l	96

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064089.D
 Acq On : 29 Oct 2019 15:09
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD102919

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:32 AM

Quant Time: Oct 30 08:05:20 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	241055	53.476	ug/l	92
40) Benzene	8.35	78	520231	51.952	ug/l	97
41) Methacrylonitrile	7.54	41	34397m	52.734	ug/l	
42) 1,2-Dichloroethane	8.43	62	131565	49.739	ug/l	97
43) Isopropyl Acetate	8.46	43	113839	49.837	ug/l	99
44) Trichloroethene	9.11	130	157450	51.877	ug/l	95
45) 1,2-Dichloropropane	9.39	63	115974	49.974	ug/l	98
46) Dibromomethane	9.48	93	68367	48.915	ug/l	97
47) Bromodichloromethane	9.67	83	183024	51.907	ug/l	98
48) Methyl methacrylate	9.46	41	55992	53.006	ug/l	95
49) 1,4-Dioxane	9.46	88	16173	1010.893	ug/l #	90
51) 4-Methyl-2-Pentanone	10.24	43	306079	246.135	ug/l	100
52) Toluene	10.41	92	365073	52.022	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	173938	52.846	ug/l #	84
54) cis-1,3-Dichloropropene	10.10	75	200997	51.905	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	98313	49.613	ug/l	96
56) Ethyl methacrylate	10.67	69	109986	45.927	ug/l	98
57) 1,3-Dichloropropane	10.95	76	159503	48.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	223322	257.238	ug/l	100
59) 2-Hexanone	10.99	43	228511	234.979	ug/l	98
60) Dibromochloromethane	11.14	129	134987	50.188	ug/l	100
61) 1,2-Dibromoethane	11.25	107	97692	49.291	ug/l	99
64) Tetrachloroethene	10.88	164	144926	53.792	ug/l	94
65) Chlorobenzene	11.67	112	411180	53.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	152621	52.638	ug/l	98
67) Ethyl Benzene	11.75	91	746380	54.154	ug/l	100
68) m/p-Xylenes	11.86	106	597198	107.726	ug/l	99
69) o-Xylene	12.18	106	273237	54.006	ug/l	98
70) Styrene	12.20	104	479596	54.963	ug/l	98
71) Bromoform	12.37	173	78737	50.847	ug/l #	99
73) Isopropylbenzene	12.48	105	772438	54.331	ug/l	98
74) N-amyl acetate	12.30	43	125323	53.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	109578	48.898	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	68656m	49.940	ug/l	
77) Bromobenzene	12.77	156	180568	52.603	ug/l	99
78) n-propylbenzene	12.83	91	914242	54.873	ug/l	99
79) 2-Chlorotoluene	12.91	91	482634	54.039	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	644765	54.187	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35473	52.696	ug/l	98
82) 4-Chlorotoluene	13.01	91	514001	53.860	ug/l	99
83) tert-Butylbenzene	13.23	119	584835	54.723	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	648709	54.271	ug/l	99
85) sec-Butylbenzene	13.41	105	827988	56.416	ug/l	100
86) p-Isopropyltoluene	13.52	119	778392	56.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	369010	53.643	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	360217	53.120	ug/l	99
89) n-Butylbenzene	13.85	91	715708	56.271	ug/l	98
90) Hexachloroethane	14.12	117	138721	53.731	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	310798	52.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16221	49.563	ug/l	94

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
Data File : VD064089.D
Acq On : 29 Oct 2019 15:09
Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM

Quant Time: Oct 30 08:05:20 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	231954	54.507	ug/l	99
94) Hexachlorobutadiene	15.27	225	138110	55.530	ug/l	99
95) Naphthalene	15.41	128	380714	54.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	198492	53.850	ug/l	97

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

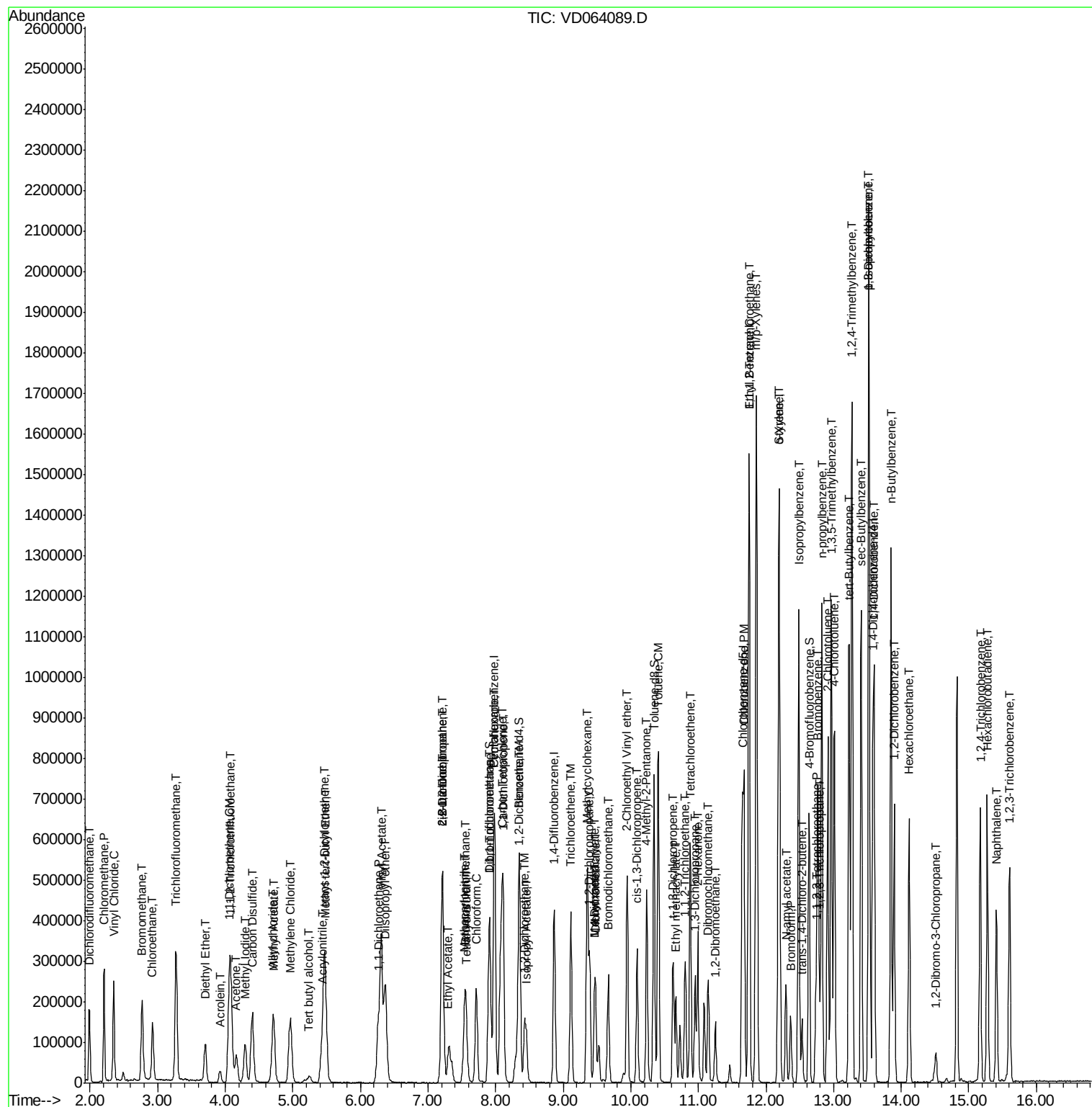
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064089.D
 Acq On : 29 Oct 2019 15:09
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

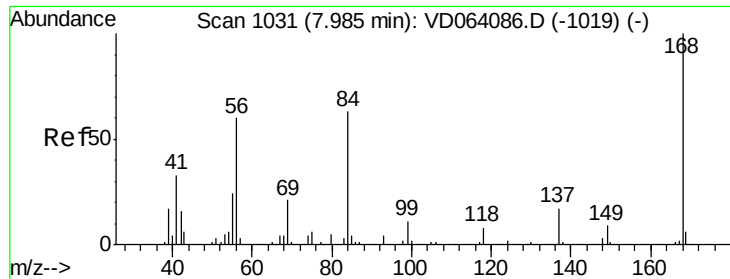
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:32 AM

Quant Time: Oct 30 08:05:20 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 168 Resp: 264561

Ion Ratio Lower Upper

168 100

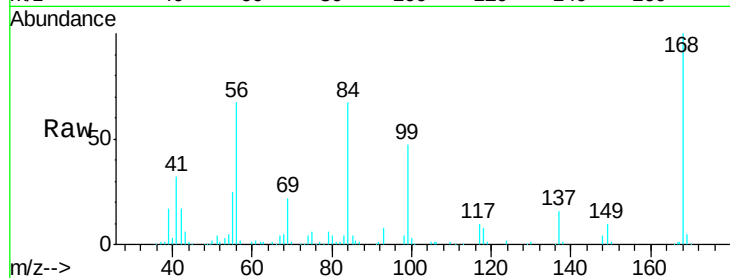
99 46.5 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

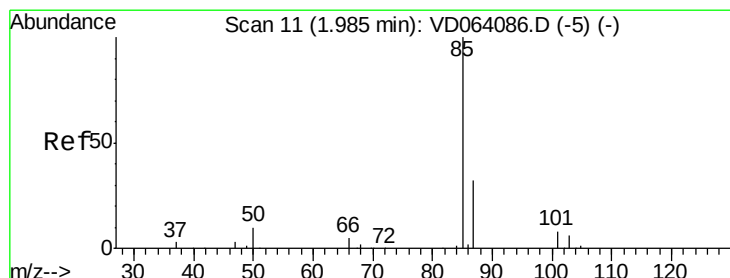
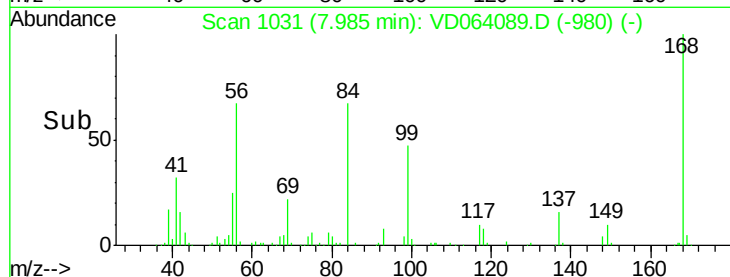
7.99

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.453 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064089.D

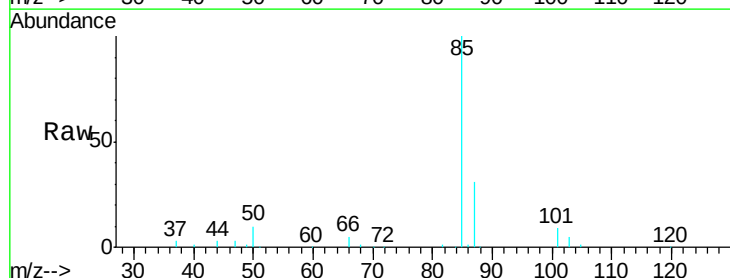
Acq: 29 Oct 2019 15:09

Tgt Ion: 85 Resp: 149805

Ion Ratio Lower Upper

85 100

87 31.3 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

120000

100000

80000

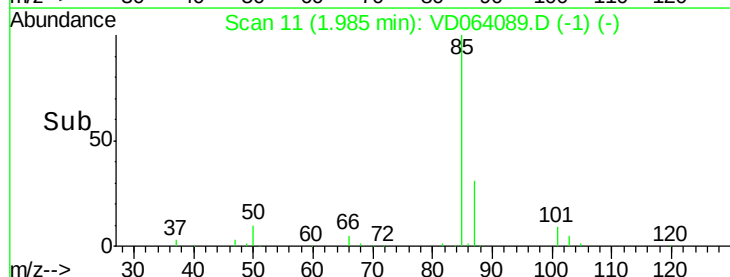
60000

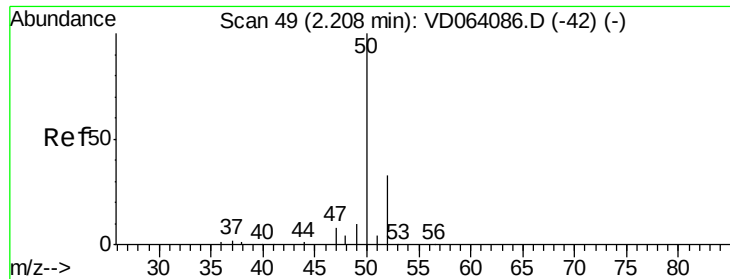
40000

20000

0

Time-->





#3

Chloromethane

Concen: 47.864 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 50 Resp: 215738

Ion Ratio Lower Upper

50 100

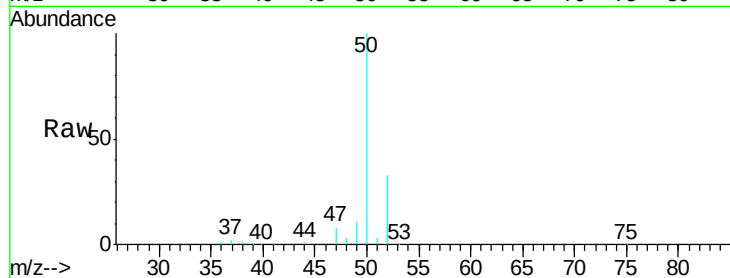
52 33.1 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

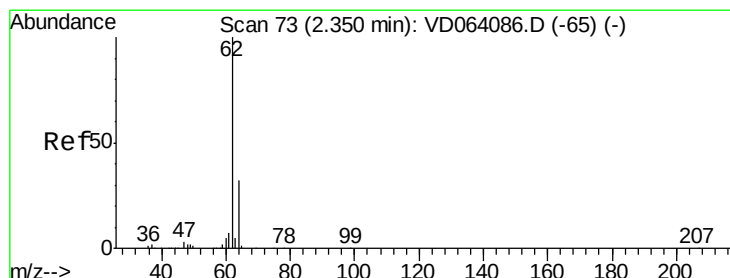
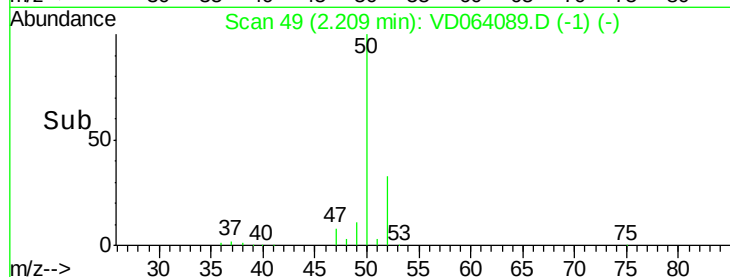
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.016 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064089.D

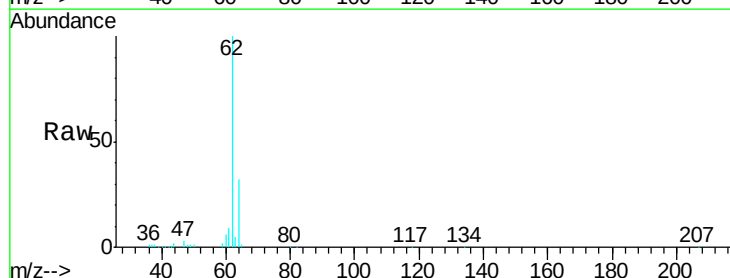
Acq: 29 Oct 2019 15:09

Tgt Ion: 62 Resp: 239583

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

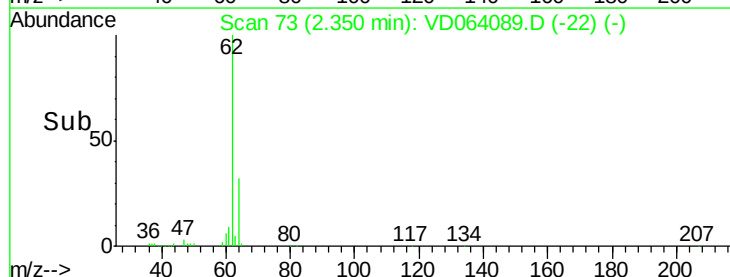
150000

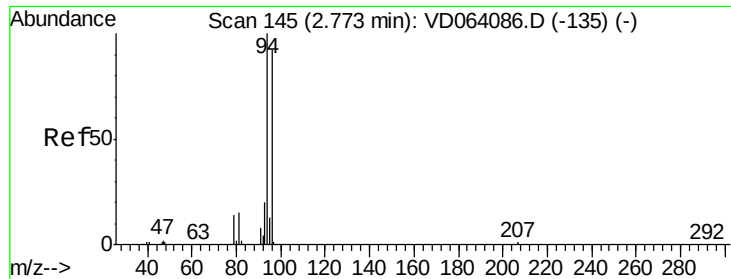
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.562 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 94 Resp: 154691

Ion Ratio Lower Upper

94 100

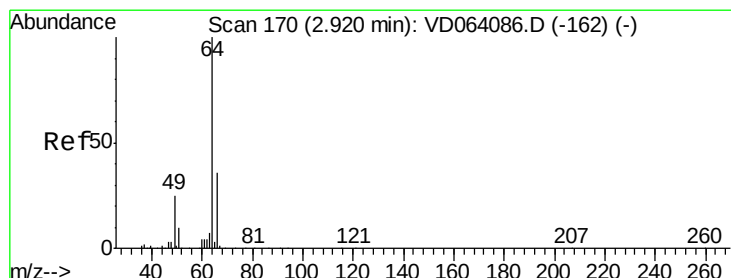
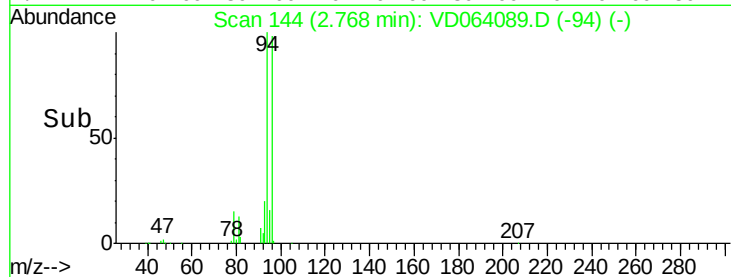
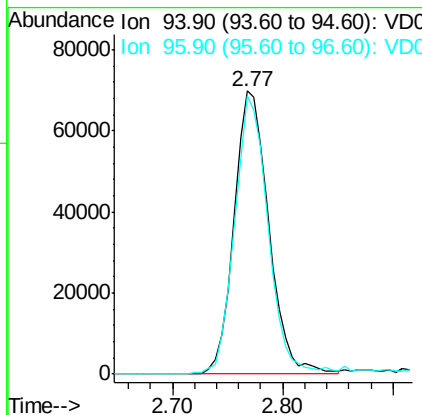
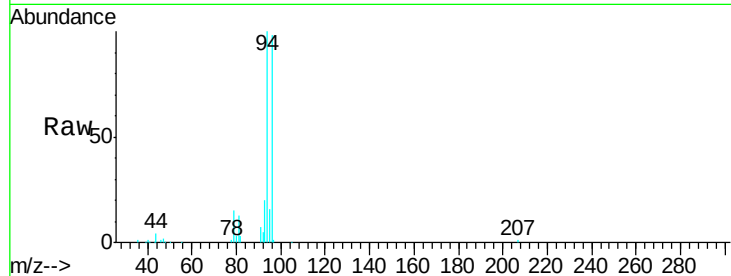
96 98.3 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



#6

Chloroethane

Concen: 47.623 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064089.D

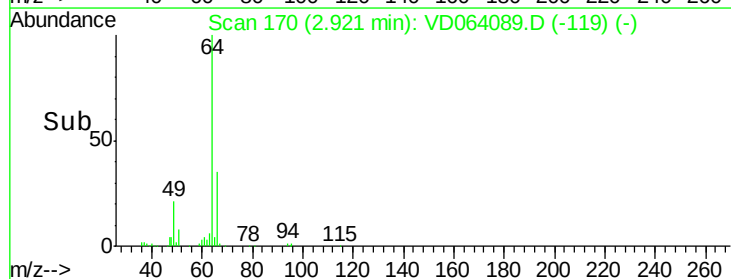
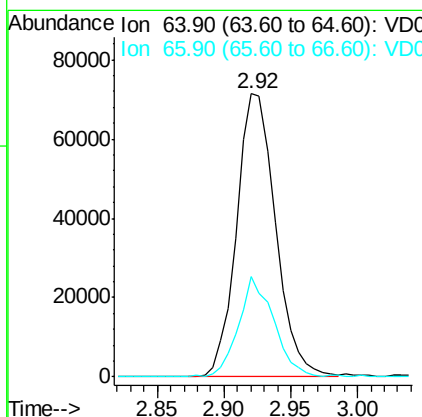
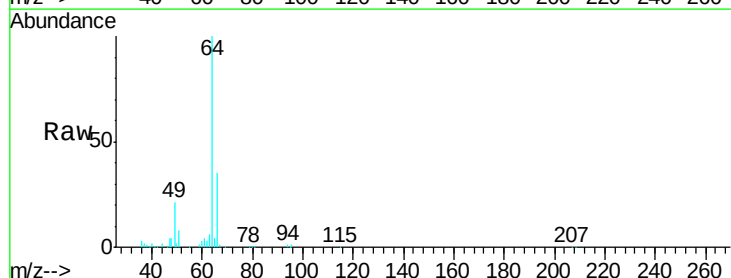
Acq: 29 Oct 2019 15:09

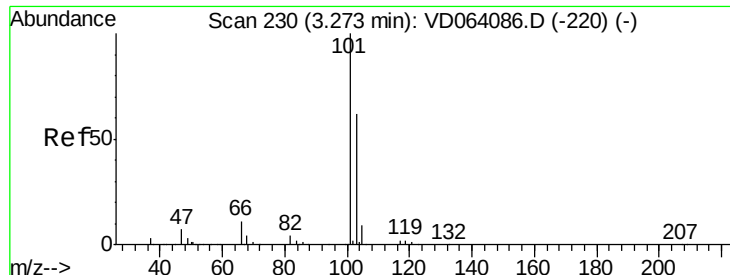
Tgt Ion: 64 Resp: 144580

Ion Ratio Lower Upper

64 100

66 35.3 28.7 43.1





#7

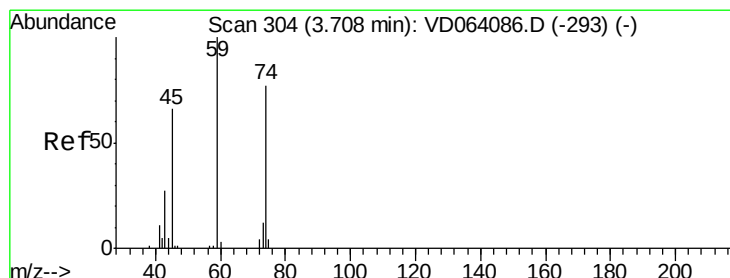
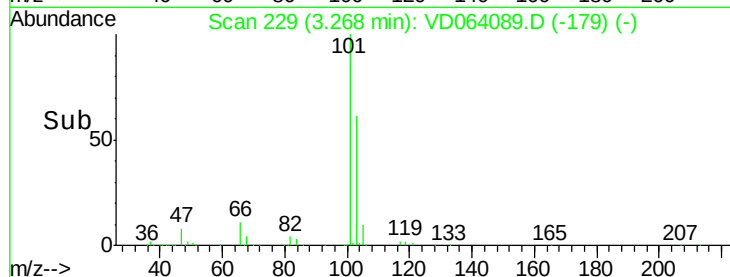
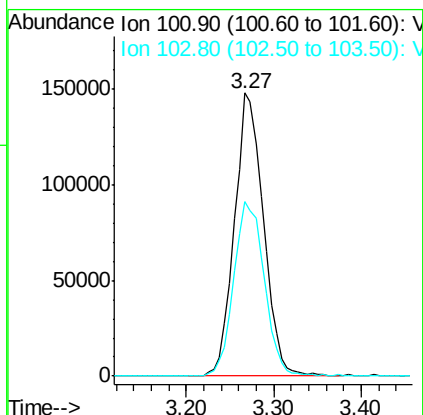
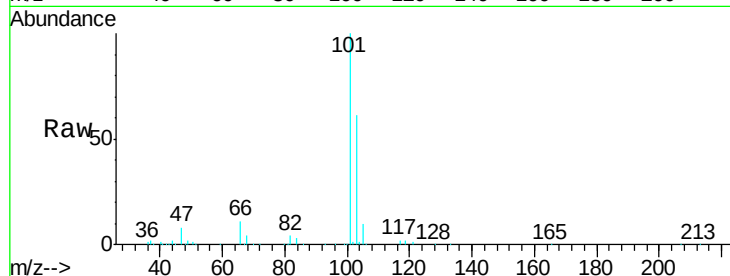
Trichlorofluoromethane
 Concen: 49.244 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	331351		
103	61.5	49.6	74.4	

Manual Integrations
 APPROVED

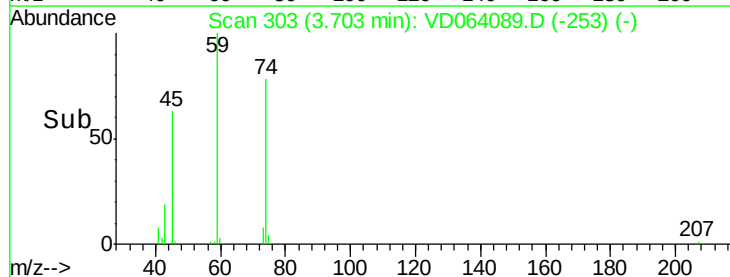
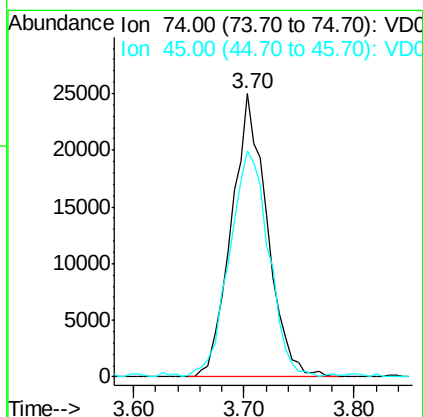
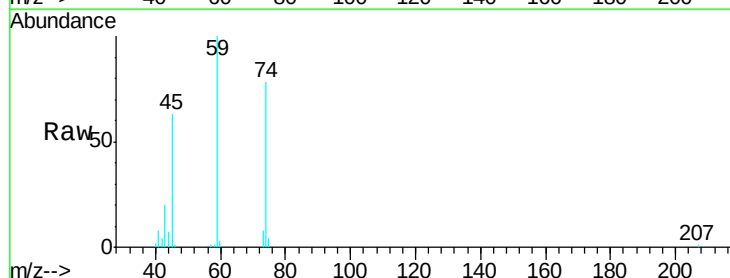
MMDadoda
 10/30/2019 10:58:32 AM

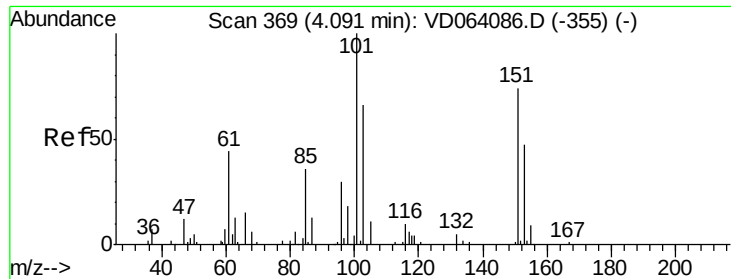


#8

Diethyl Ether
 Concen: 48.273 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56460		
45	88.4	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.887 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

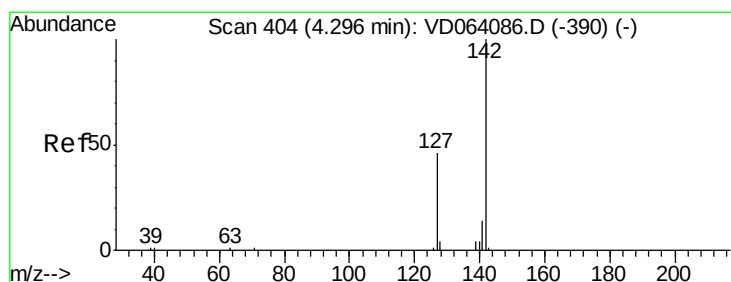
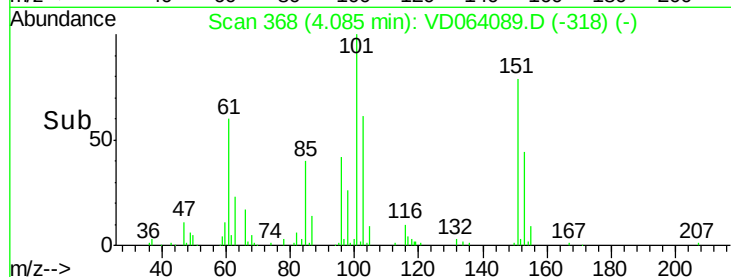
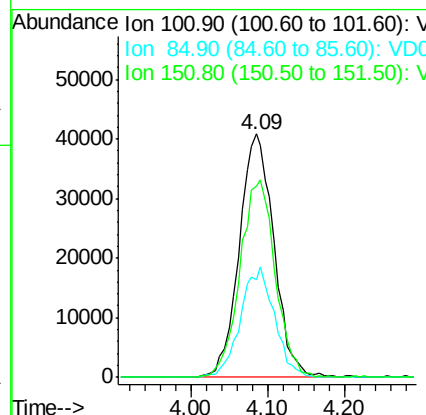
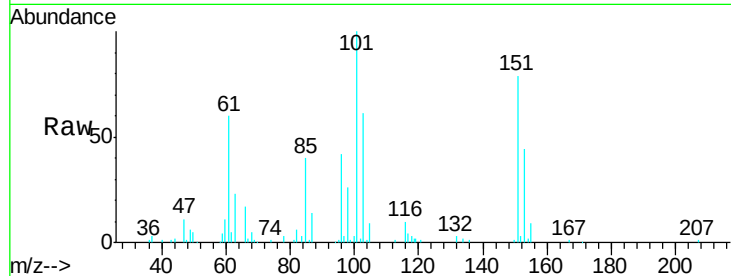
ClientSampleId :

ICVVD102919

Tgt Ion:	101	Resp:	128243
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.3	52.9
151	82.6	67.0	100.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#10

Methyl Iodide

Concen: 54.941 ug/l

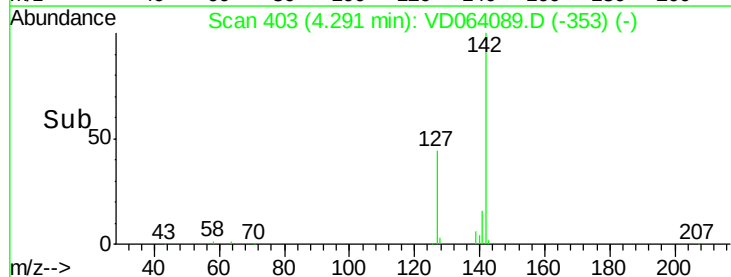
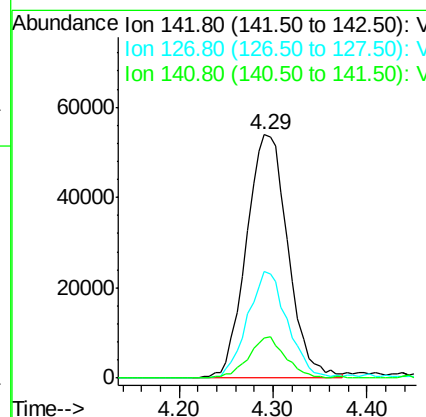
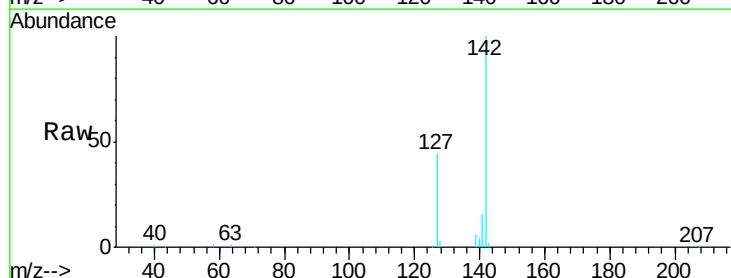
RT: 4.29 min Scan# 403

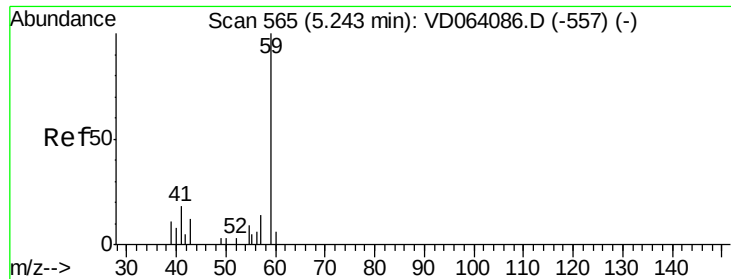
Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	142	Resp:	165057
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.1	52.7
141	15.1	11.6	17.4





#11

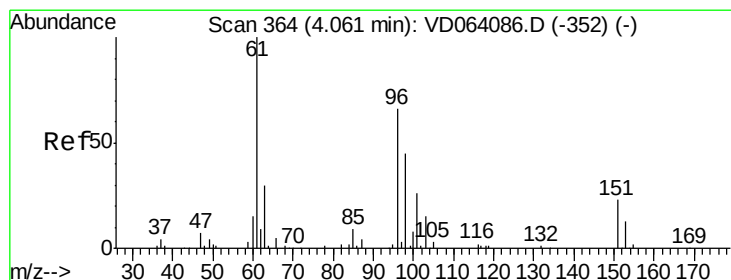
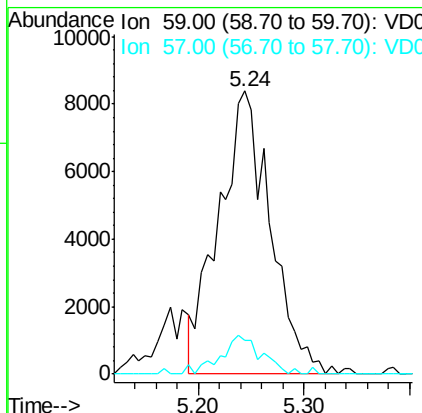
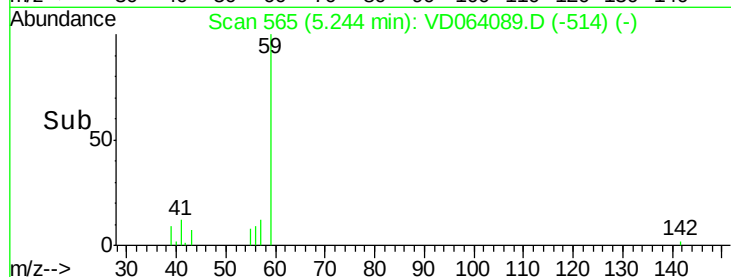
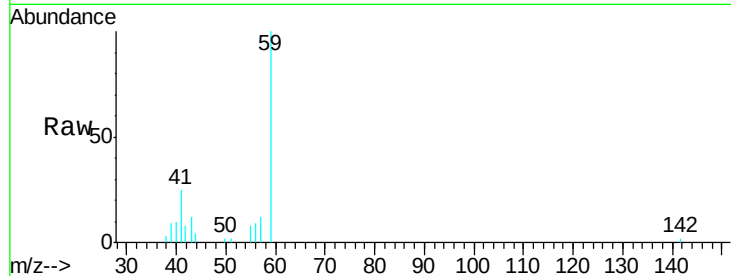
Tert butyl alcohol
Concen: 233.675 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion: 59 Resp: 28241
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

Manual Integrations
APPROVED

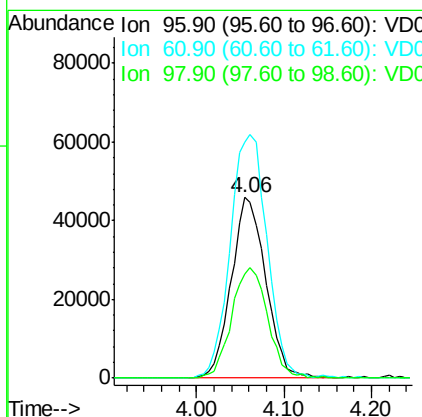
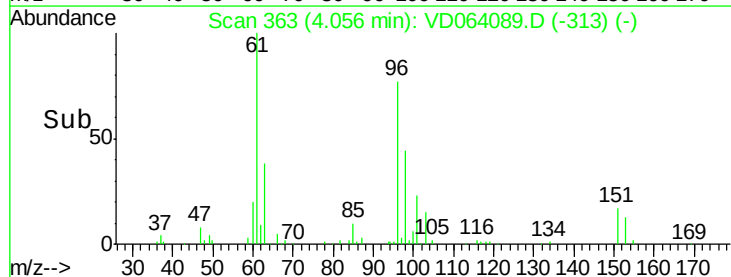
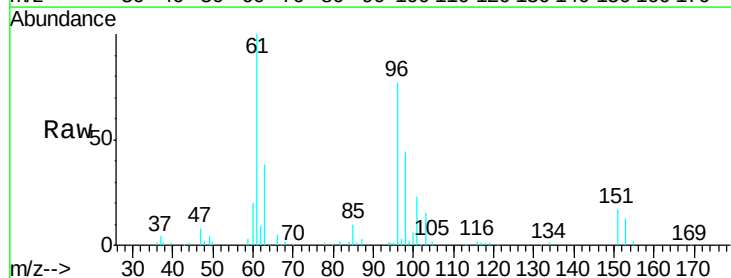
MMDadoda
10/30/2019 10:58:32 AM

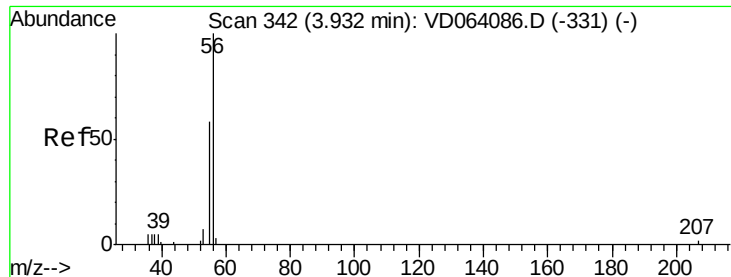


#12

1,1-Dichloroethene
Concen: 53.494 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 96 Resp: 122765
Ion Ratio Lower Upper
96 100
61 130.7 121.8 182.6
98 57.3 55.4 83.0





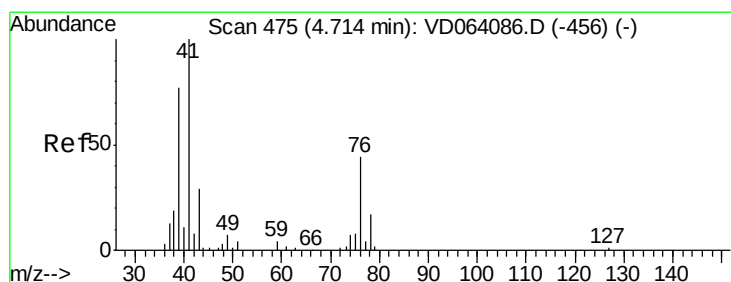
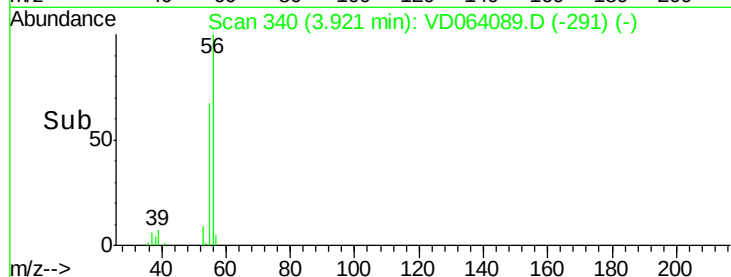
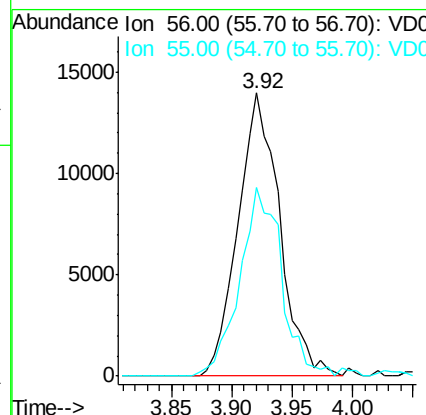
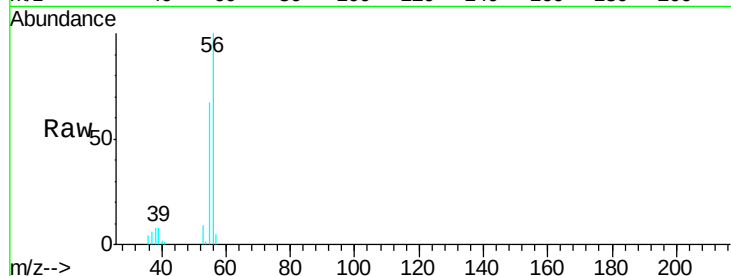
#13
Acrolein
Concen: 250.247 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion: 56 Resp: 33573
Ion Ratio Lower Upper
56 100
55 66.7 53.8 80.6

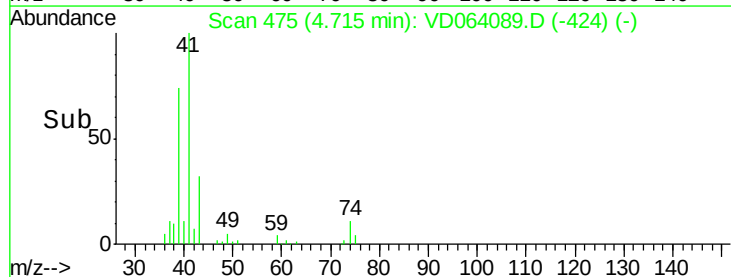
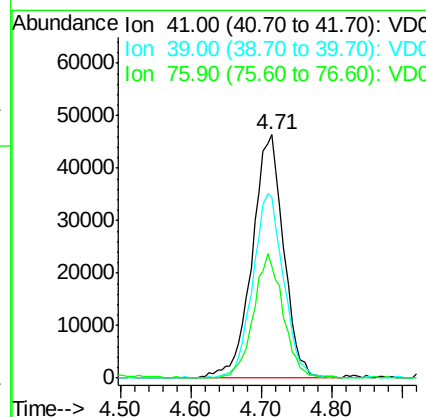
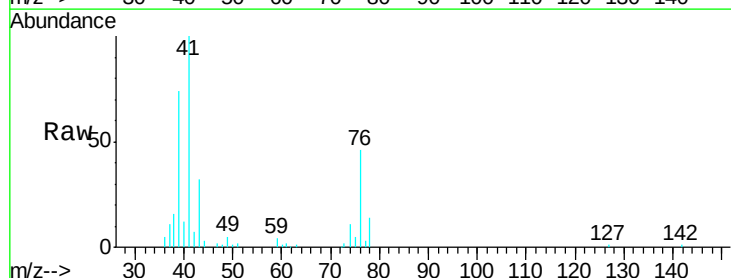
Manual Integrations
APPROVED

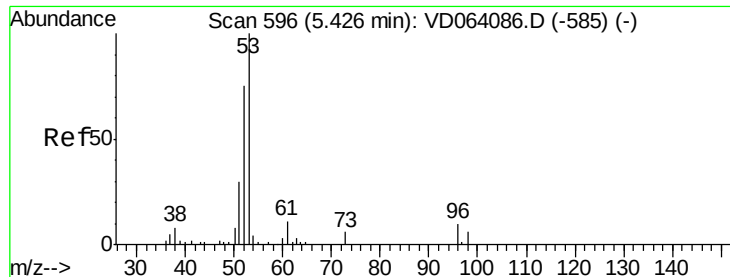
MMDadoda
10/30/2019 10:58:32 AM



#14
Allyl chloride
Concen: 53.867 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 41 Resp: 144692
Ion Ratio Lower Upper
41 100
39 73.9 61.5 92.3
76 47.7 36.2 54.4





#15

Acrylonitrile

Concen: 242.895 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

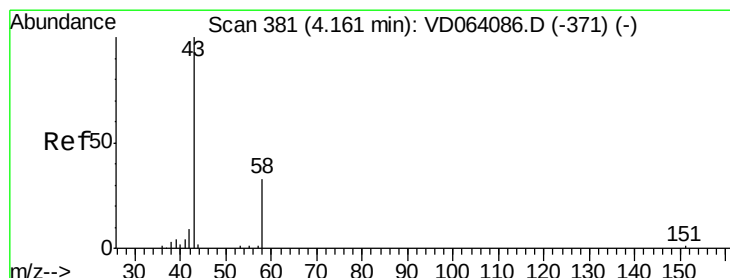
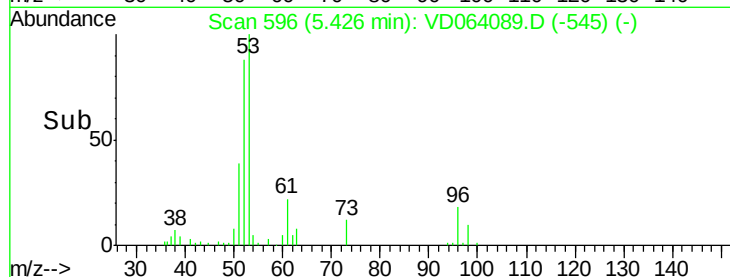
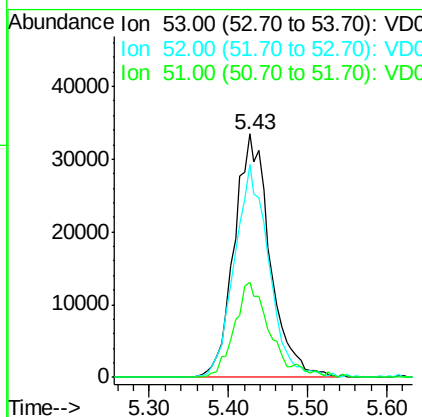
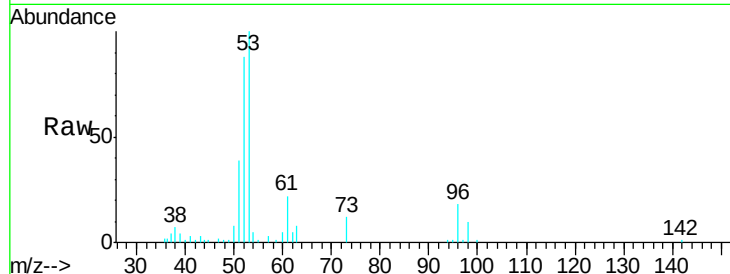
ClientSampleId :

ICVVD102919

Tgt Ion:	53	Resp:	104938
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.4
51	38.9	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#16

Acetone

Concen: 293.451 ug/l

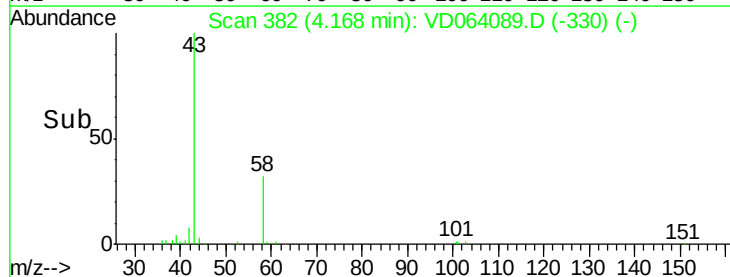
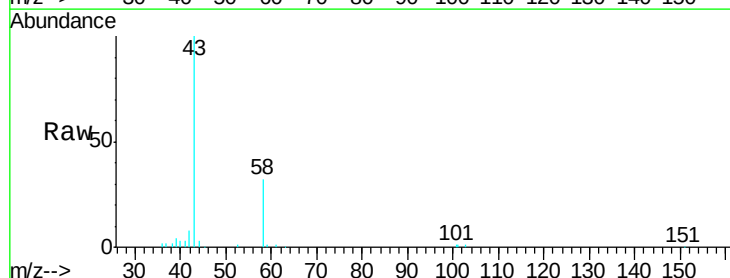
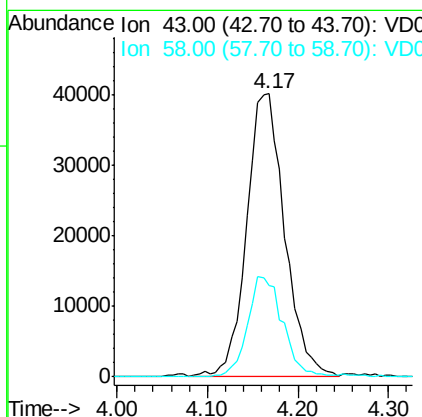
RT: 4.17 min Scan# 382

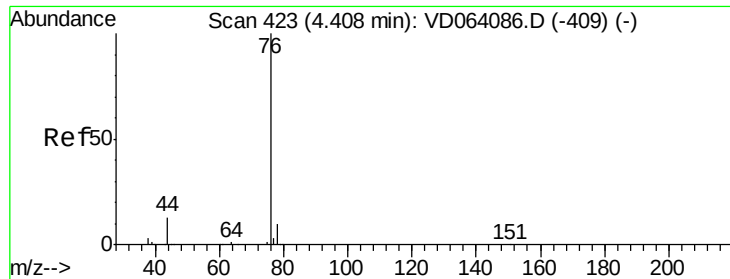
Delta R.T. 0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	43	Resp:	117480
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.3	39.5





#17

Carbon Disulfide

Concen: 53.485 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 76 Resp: 377198

Ion Ratio Lower Upper

76 100

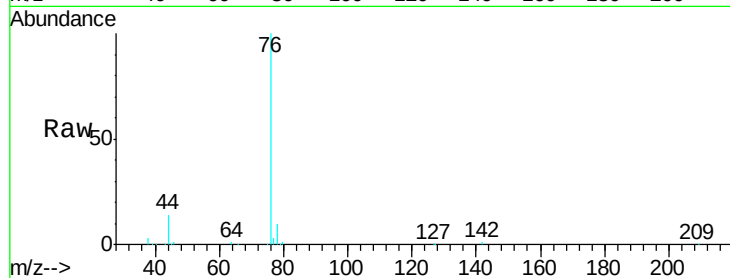
78 10.2 8.1 12.1

Manual Integrations

APPROVED

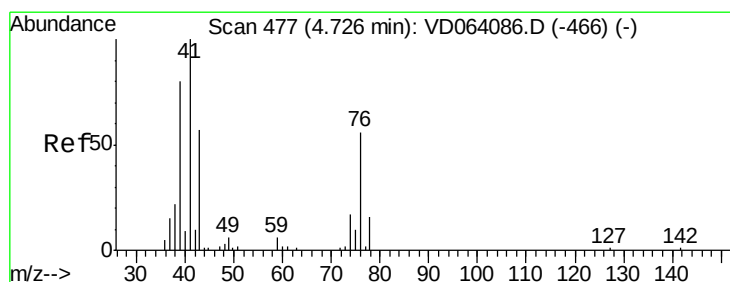
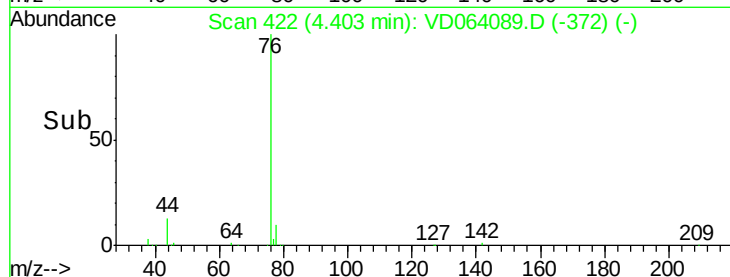
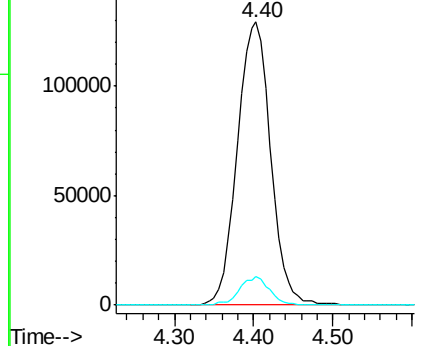
MMDadoda

10/30/2019 10:58:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.519 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064089.D

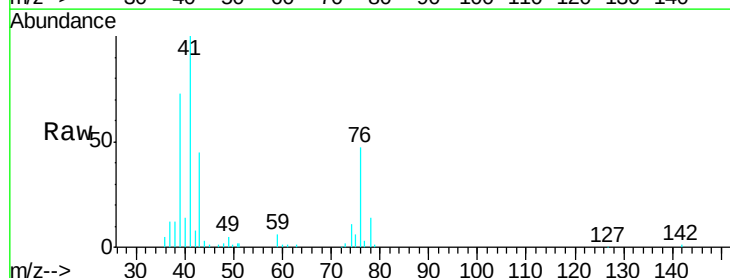
Acq: 29 Oct 2019 15:09

Tgt Ion: 43 Resp: 52733

Ion Ratio Lower Upper

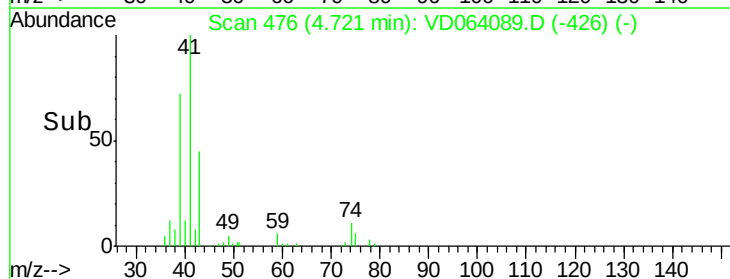
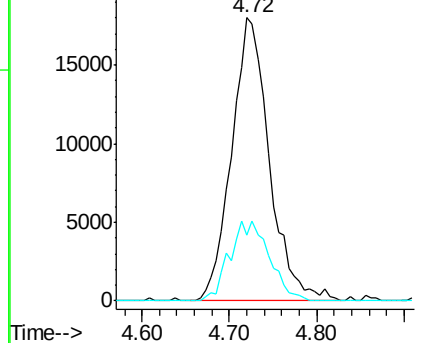
43 100

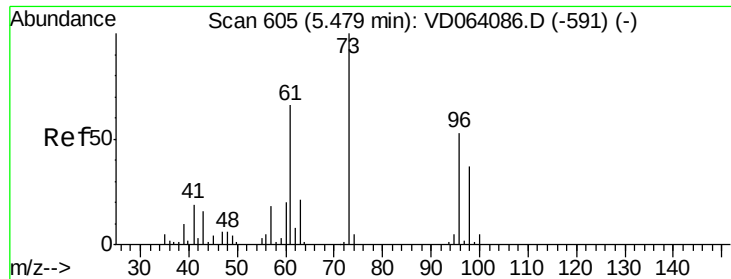
74 29.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





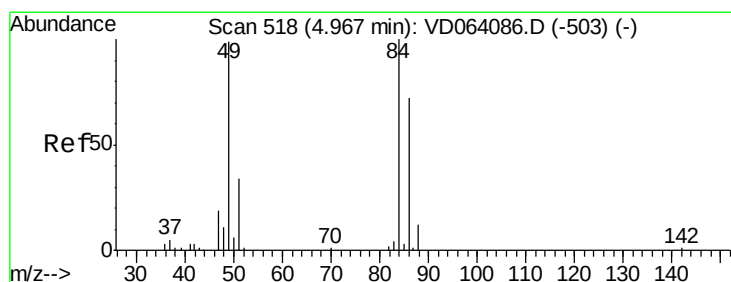
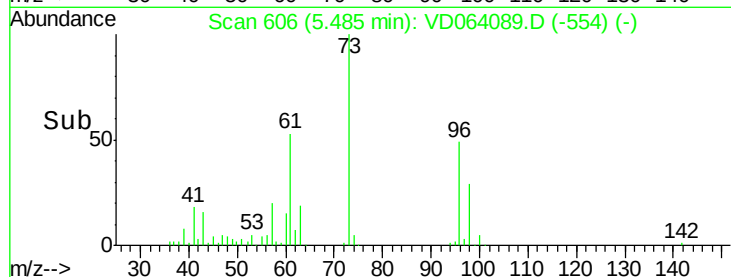
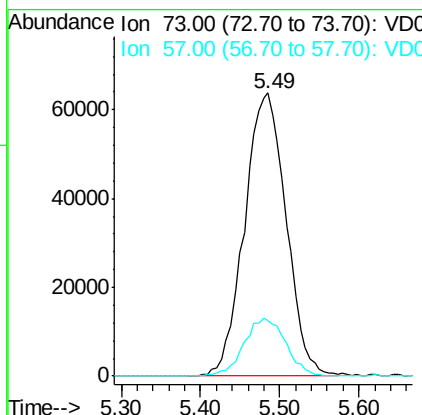
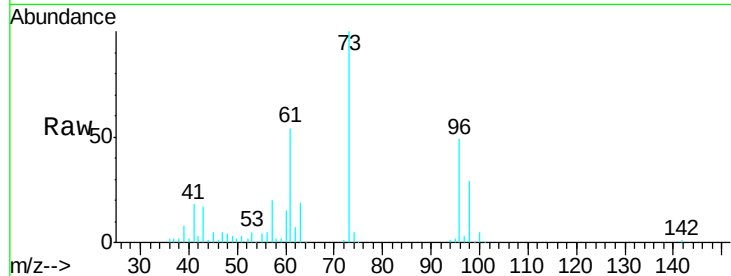
#19
Methyl tert-butyl Ether
Concen: 50.013 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion: 73 Resp: 232904
Ion Ratio Lower Upper
73 100
57 19.6 14.3 21.5

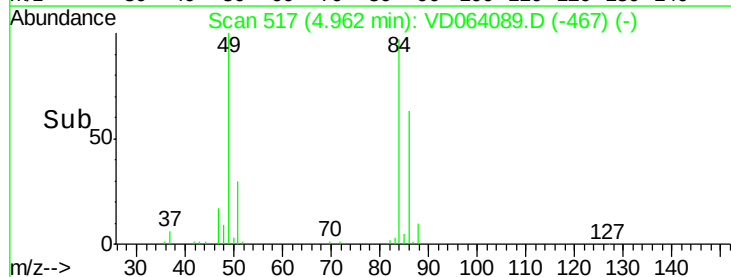
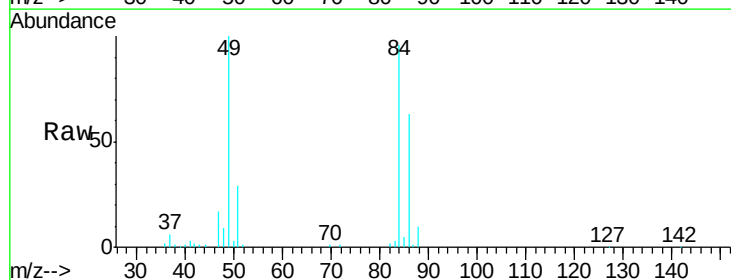
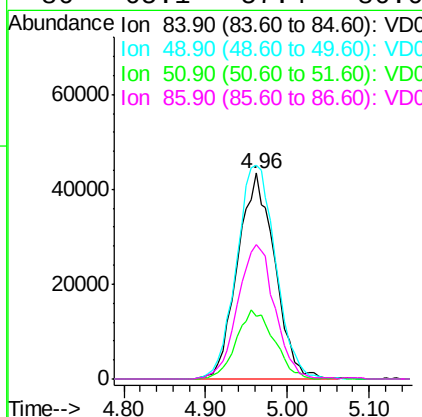
Manual Integrations
APPROVED

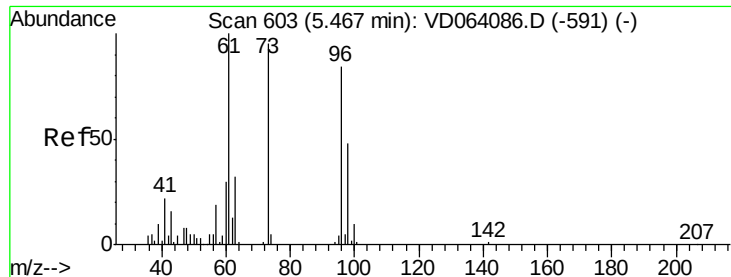
MMDadoda
10/30/2019 10:58:32 AM



#20
Methylene Chloride
Concen: 54.078 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 84 Resp: 137448
Ion Ratio Lower Upper
84 100
49 103.7 79.4 119.0
51 30.5 27.4 41.2
86 65.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 53.014 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

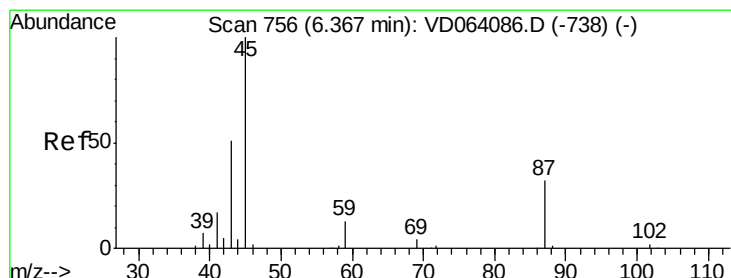
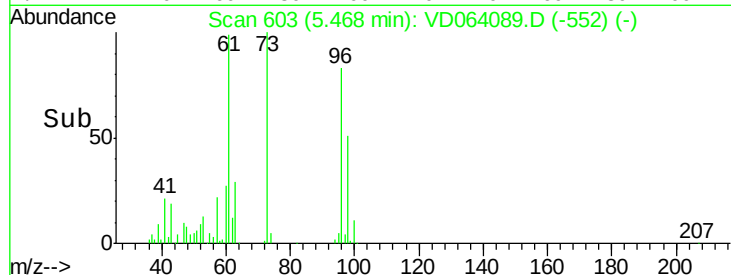
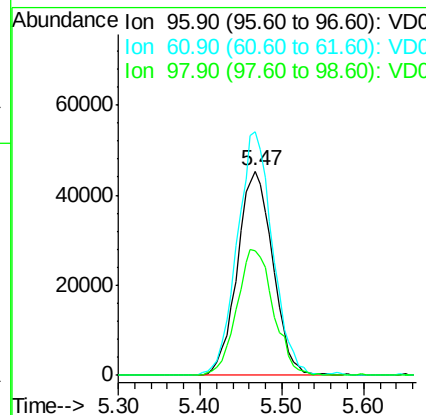
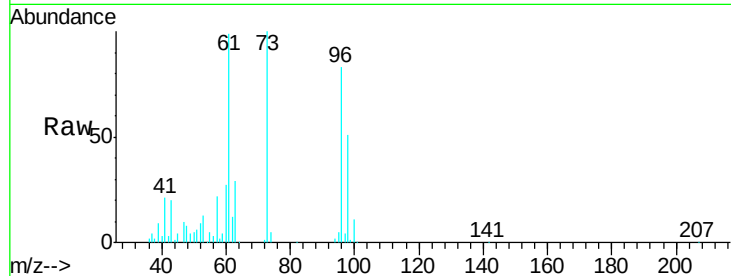
ClientSampleId :

ICVVD102919

Tgt Ion:	96	Resp:	136575
Ion	Ratio	Lower	Upper
96	100		
61	119.3	95.0	142.6
98	61.2	45.8	68.8

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#22

Diisopropyl ether

Concen: 54.015 ug/l

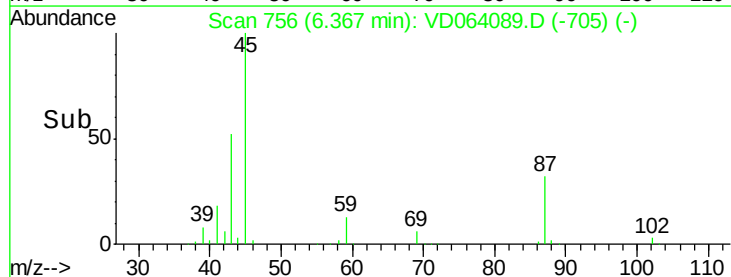
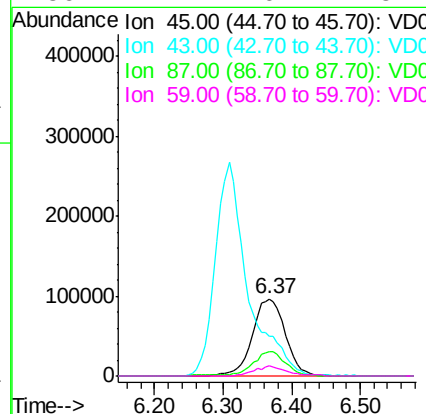
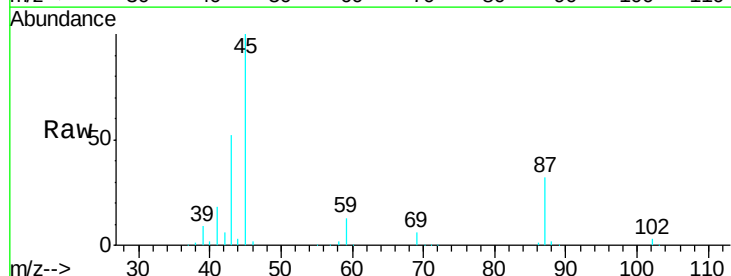
RT: 6.37 min Scan# 756

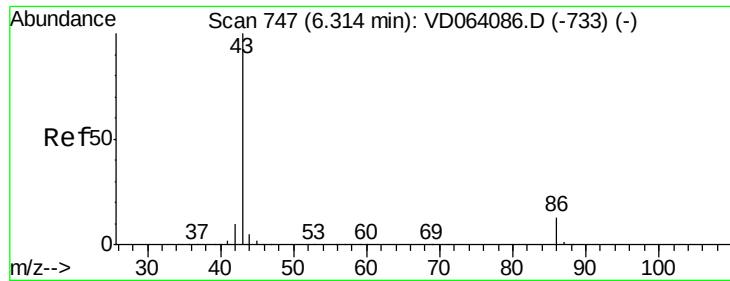
Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	45	Resp:	321325
Ion	Ratio	Lower	Upper
45	100		
43	51.2	44.3	66.5
87	31.8	26.6	39.8
59	12.7	10.2	15.2





#23

Vinyl Acetate

Concen: 269.593 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 43 Resp: 879090

Ion Ratio Lower Upper

43 100

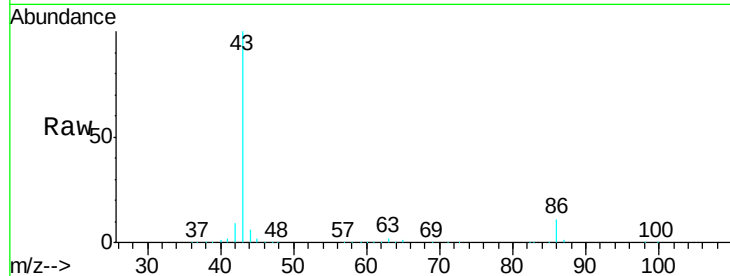
86 11.5 10.7 16.1

Manual Integrations

APPROVED

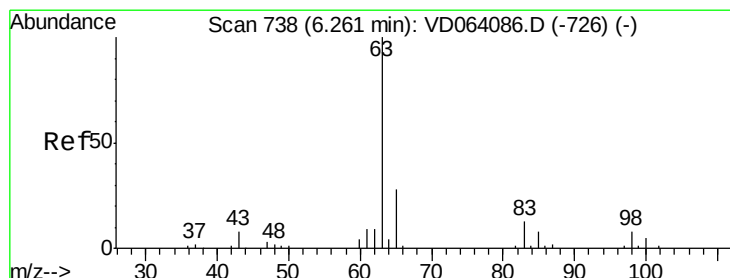
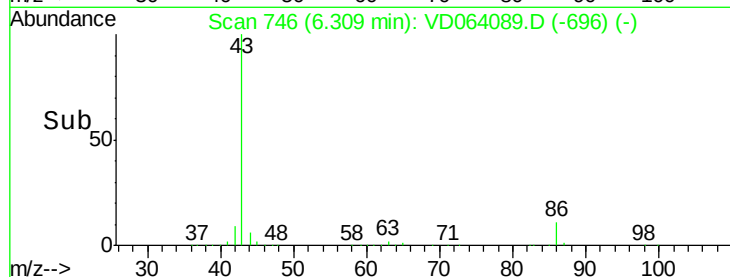
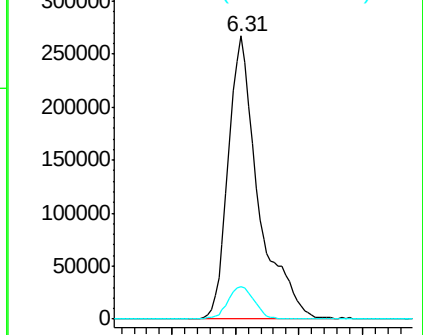
MMDadoda

10/30/2019 10:58:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.147 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

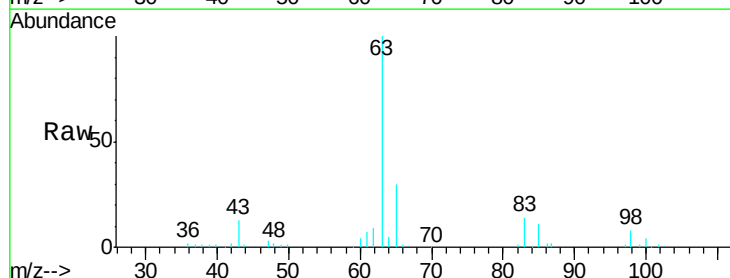
Tgt Ion: 63 Resp: 209478

Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

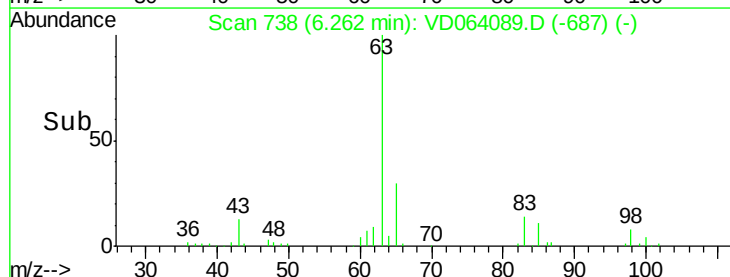
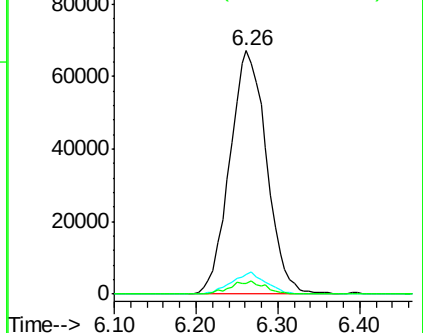
100 4.2 2.6 7.8

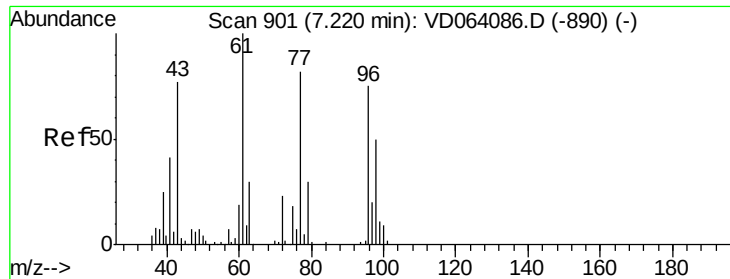


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 254.377 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 43 Resp: 140786

Ion Ratio Lower Upper

43 100

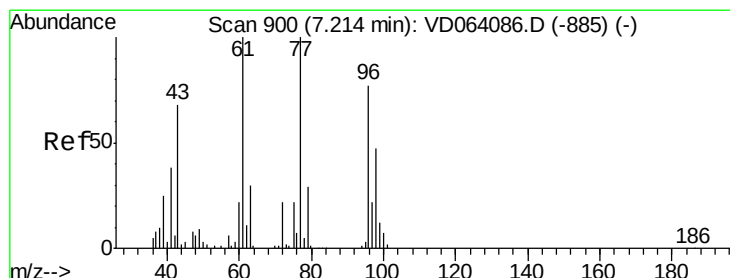
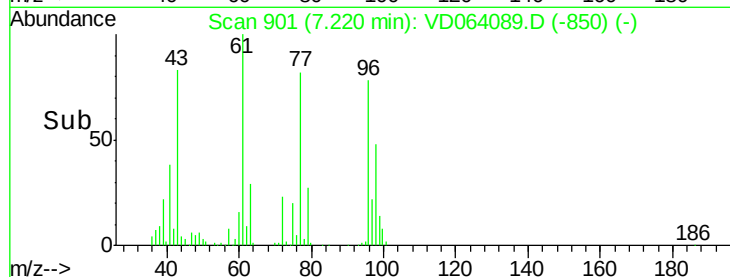
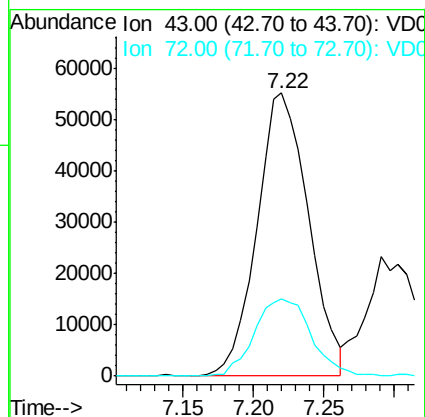
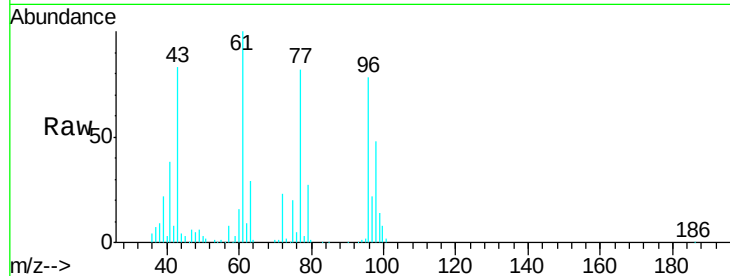
72 27.5 23.4 35.0

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



#26

2,2-Dichloropropane

Concen: 49.651 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064089.D

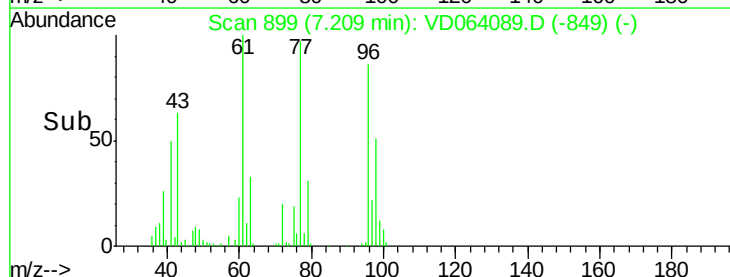
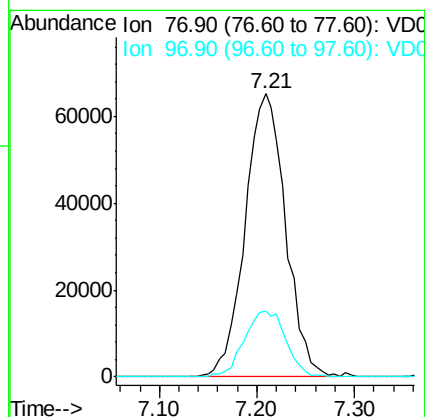
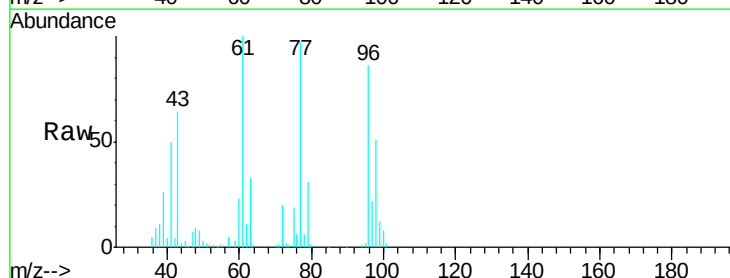
Acq: 29 Oct 2019 15:09

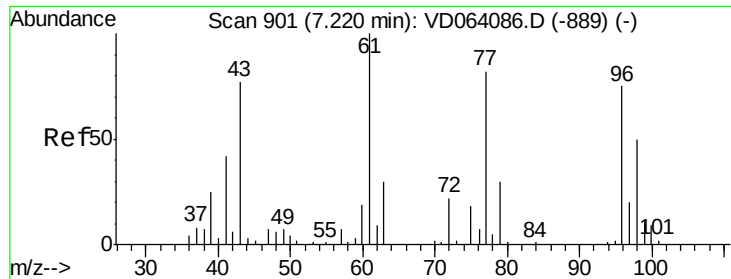
Tgt Ion: 77 Resp: 189303

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.5





#27

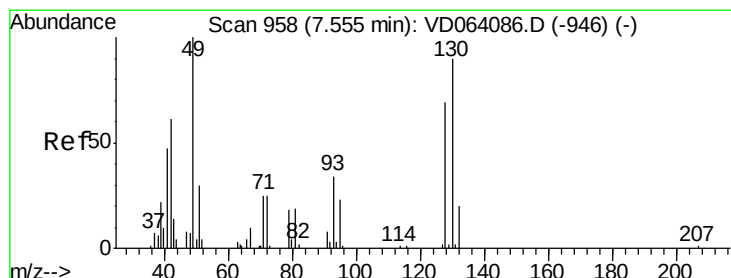
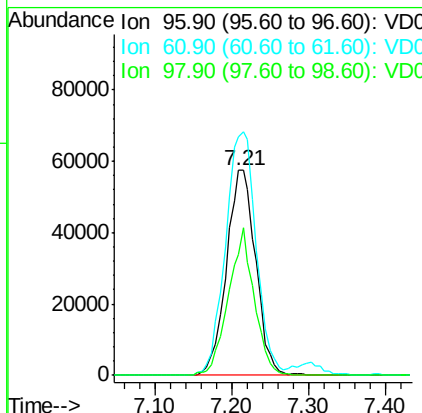
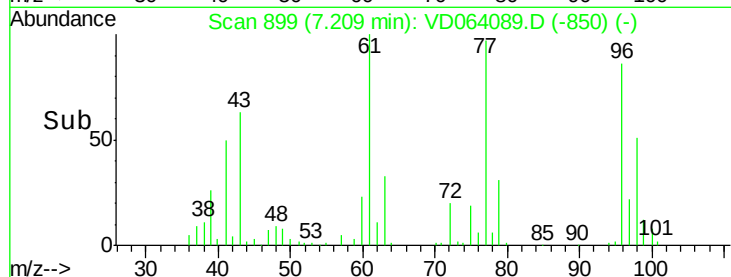
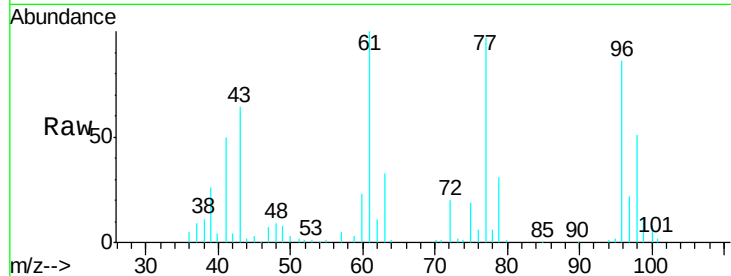
cis-1,2-Dichloroethene
Concen: 52.859 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	152376		
61	124.3	0.0	258.0	
98	63.3	0.0	130.8	

Manual Integrations
APPROVED

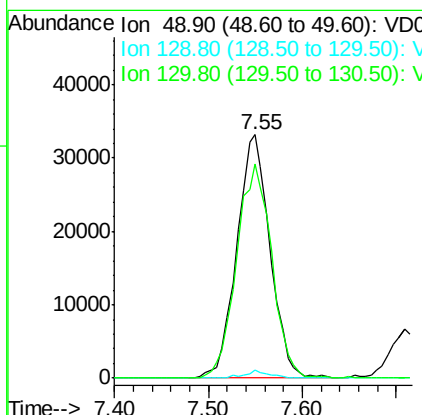
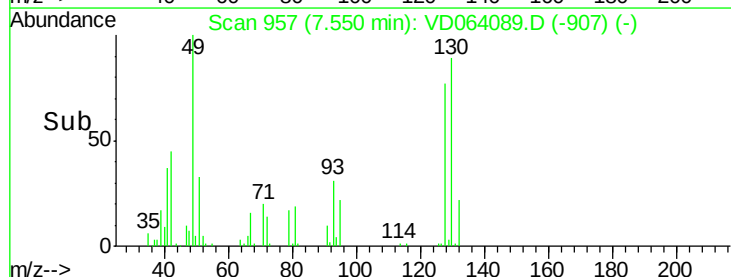
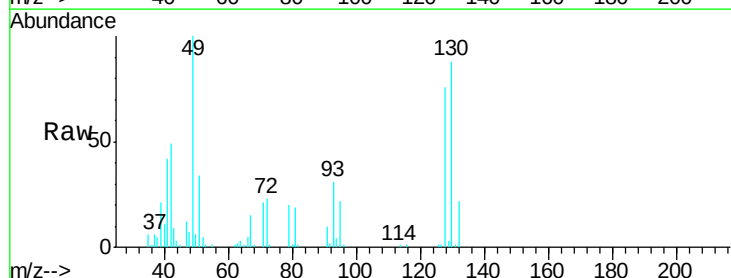
MMDadoda
10/30/2019 10:58:32 AM

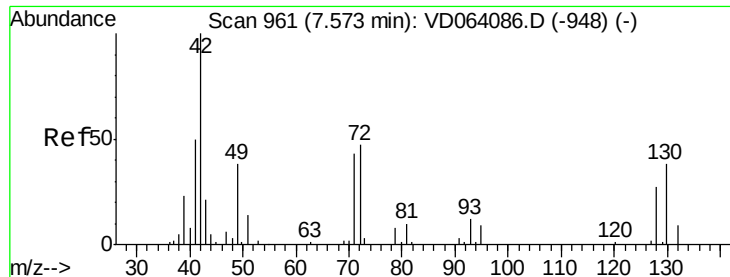


#28

Bromochloromethane
Concen: 51.686 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81056		
129	2.3	0.0	5.4	
130	93.2	75.3	112.9	





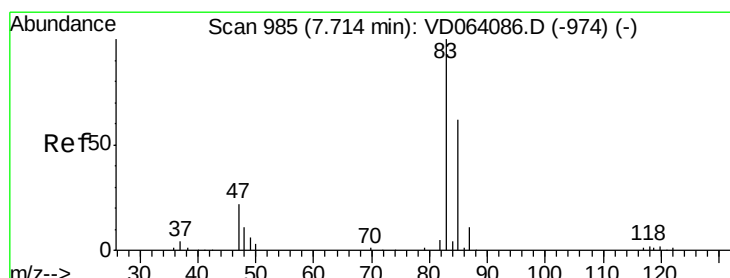
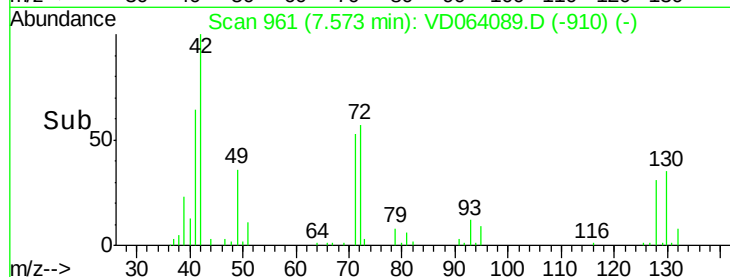
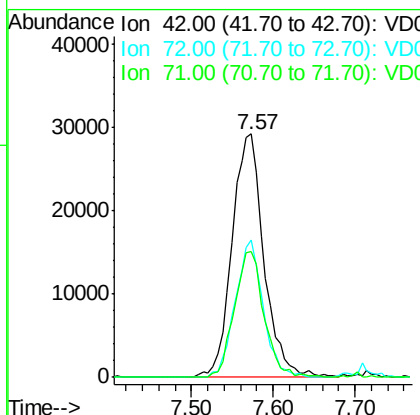
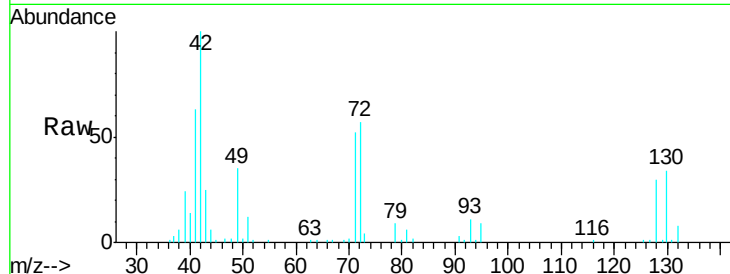
#29
Tetrahydrofuran
Concen: 244.339 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.5	38.9	58.3
71	48.3	35.4	53.2

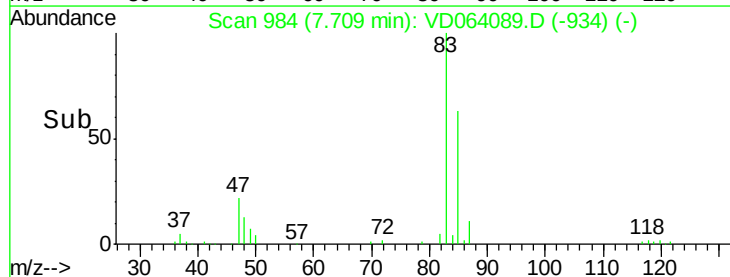
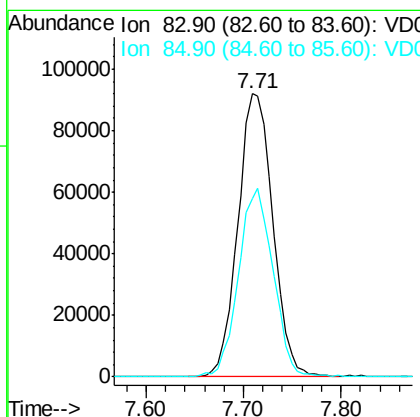
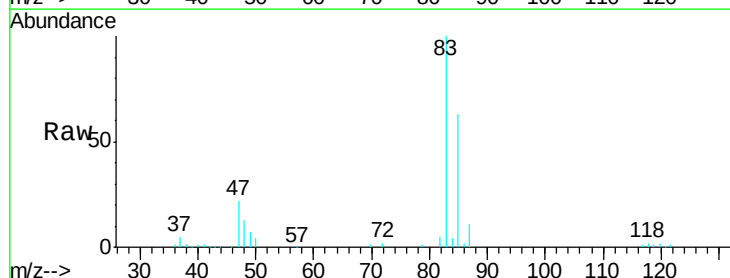
Manual Integrations
APPROVED

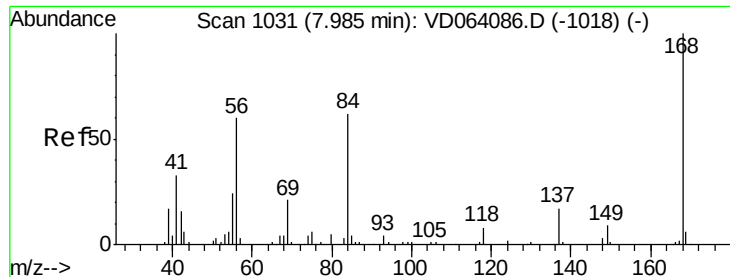
MMDadoda
10/30/2019 10:58:32 AM



#30
Chloroform
Concen: 50.189 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.8	74.6





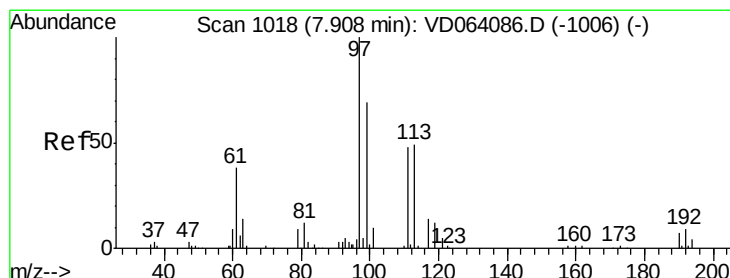
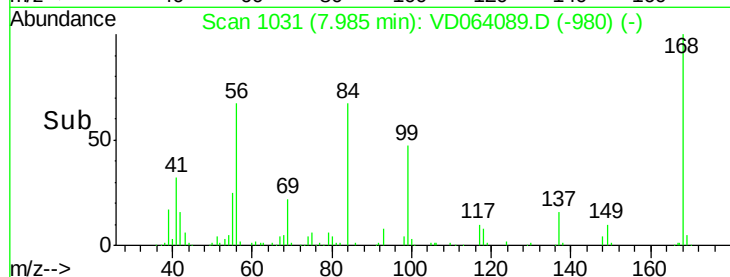
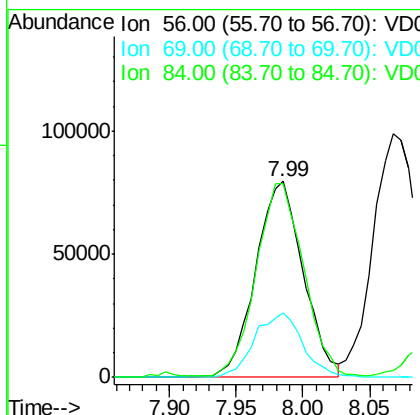
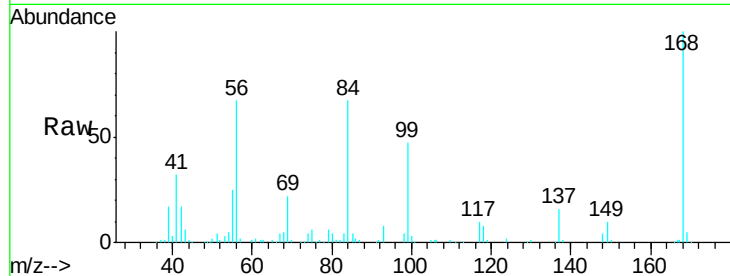
#31
Cyclohexane
Concen: 49.973 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.7	41.5
84	98.2	83.1	124.7

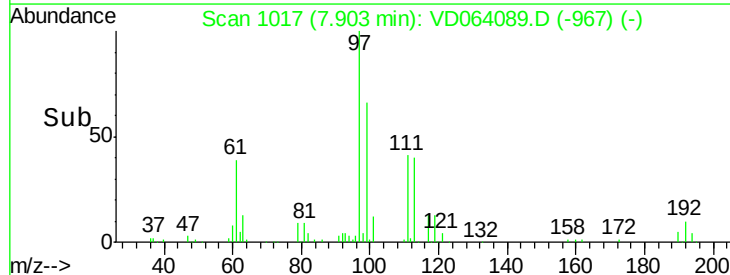
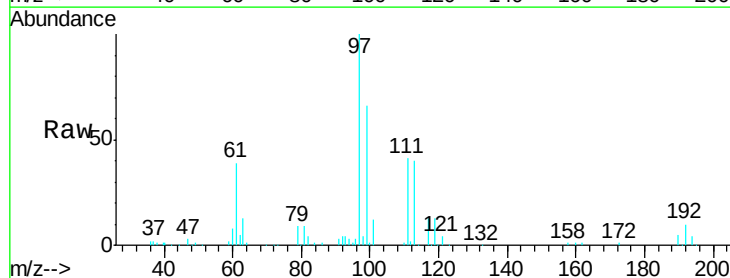
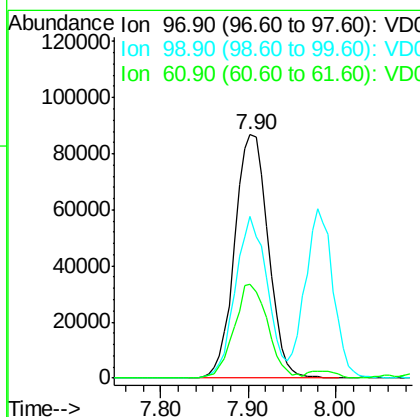
Manual Integrations
APPROVED

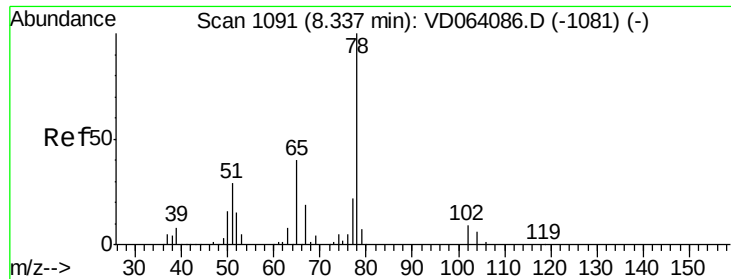
MMDadoda
10/30/2019 10:58:32 AM



#32
1,1,1-Trichloroethane
Concen: 52.591 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	53.7	80.5
61	38.8	31.8	47.6





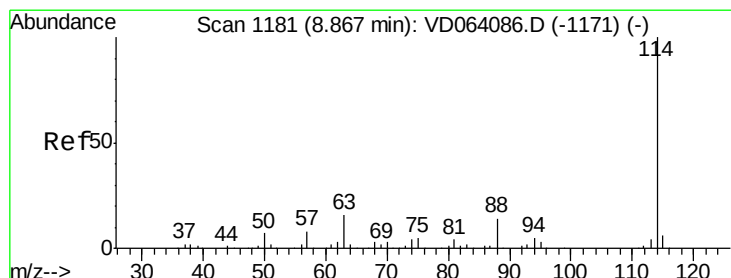
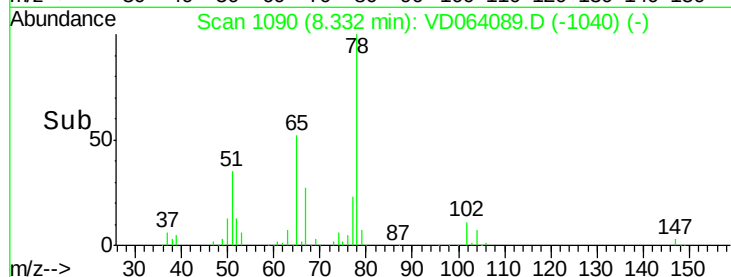
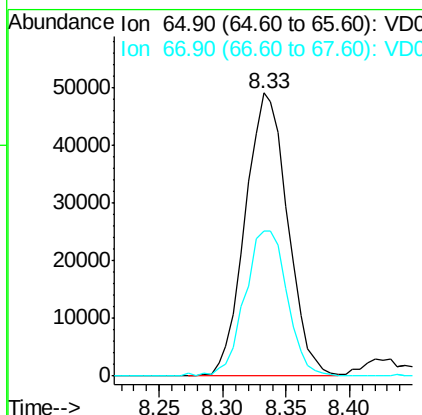
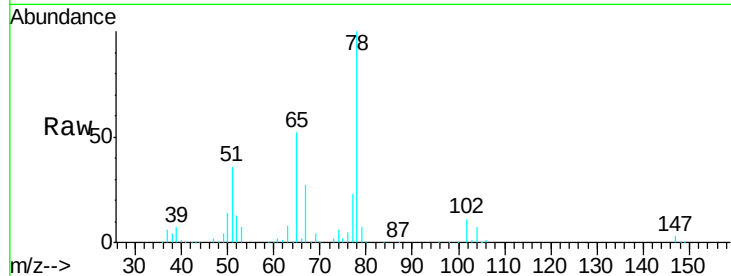
#33
 1,2-Dichloroethane-d4
 Concen: 54.239 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	114123		
67	51.2	0.0	104.6	

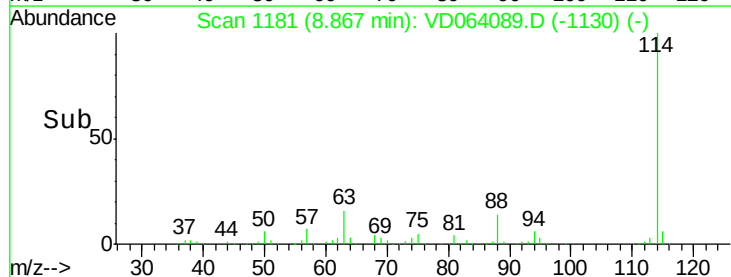
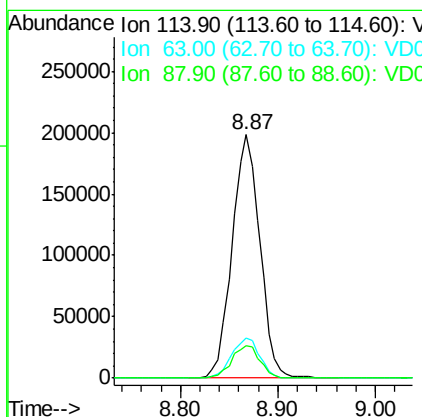
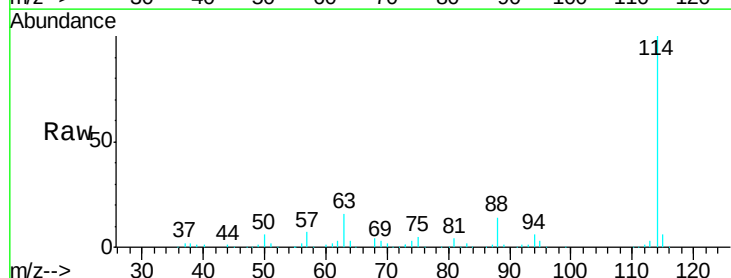
Manual Integrations
 APPROVED

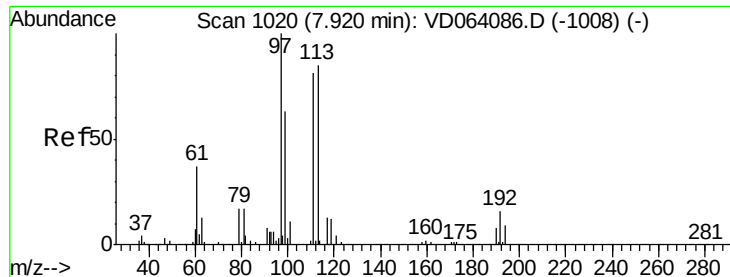
MMDadoda
 10/30/2019 10:58:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391890		
63	16.4	0.0	32.8	
88	13.5	0.0	27.6	





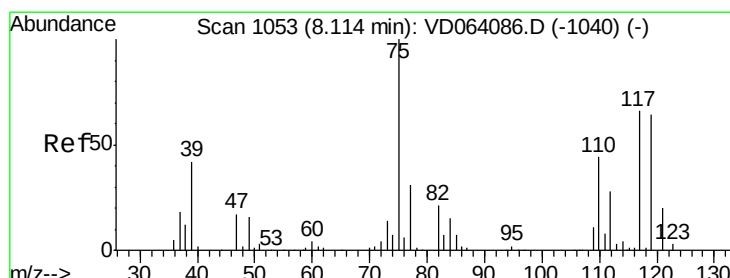
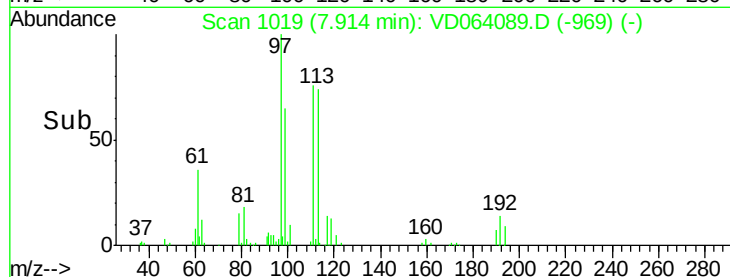
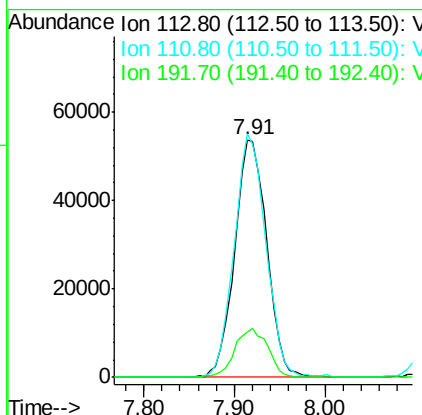
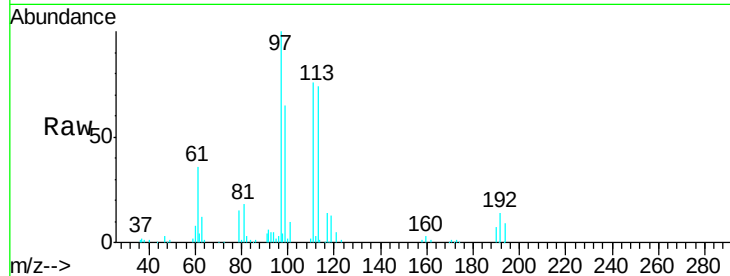
#35
 Dibromofluoromethane
 Concen: 54.948 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	132481		
111	101.0	79.3	118.9	
192	21.1	16.2	24.2	

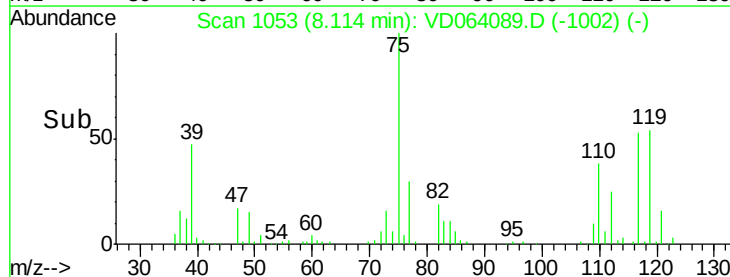
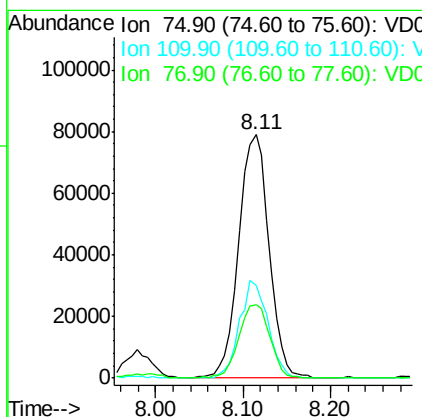
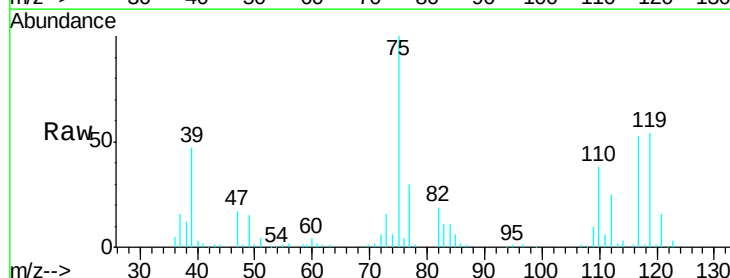
Manual Integrations
 APPROVED

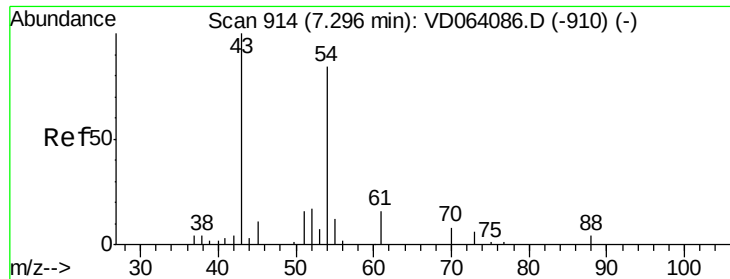
MMDadoda
 10/30/2019 10:58:32 AM



#36
 1,1-Dichloropropene
 Concen: 50.423 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185161		
110	37.5	20.0	59.9	
77	30.6	24.7	37.1	





#37

Ethyl Acetate

Concen: 52.363 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

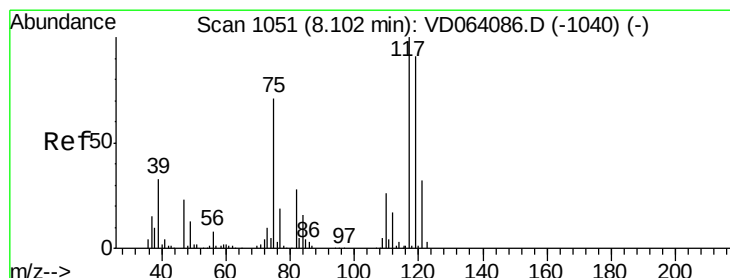
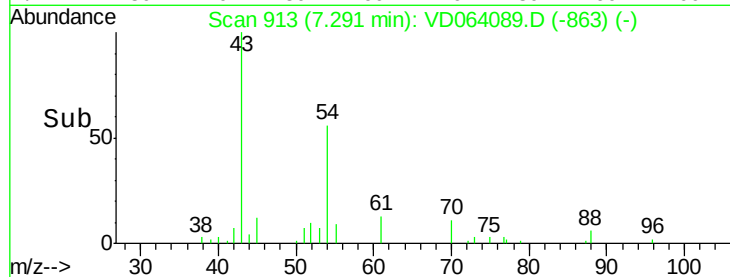
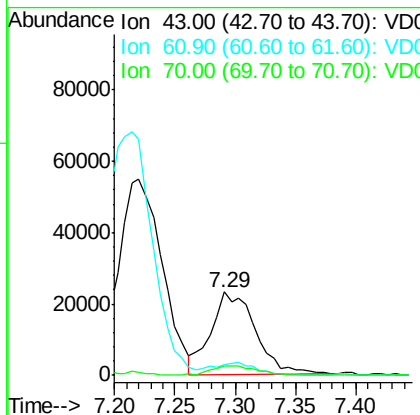
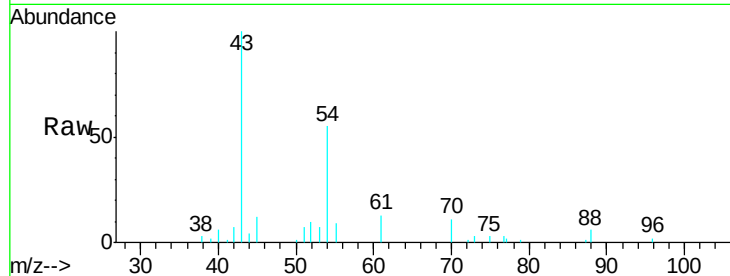
ClientSampleId :

ICVVD102919

Tgt Ion:	43	Resp:	59185
Ion Ratio	Lower	Upper	
43	100		
61	13.7	12.0	18.0
70	11.7	3.8	5.6#

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#38

Carbon Tetrachloride

Concen: 52.285 ug/l

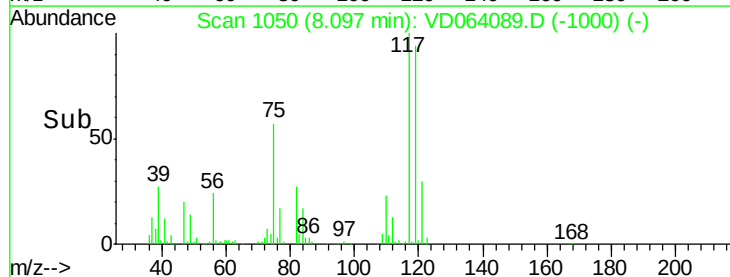
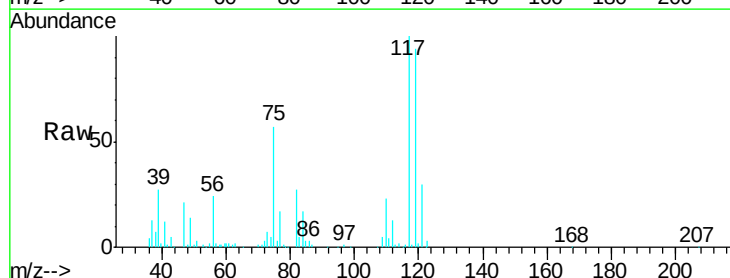
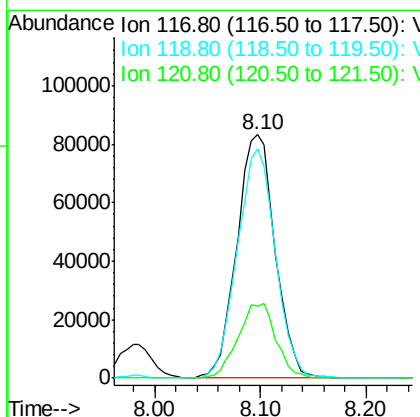
RT: 8.10 min Scan# 1050

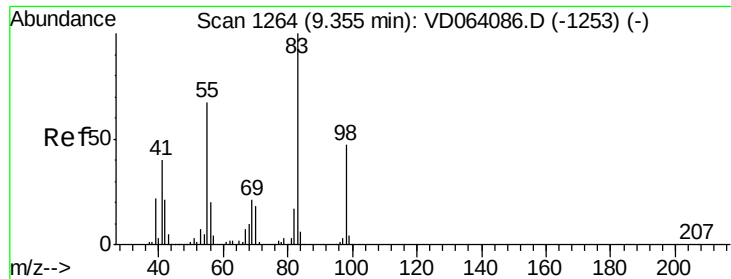
Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	117	Resp:	209483
Ion Ratio	Lower	Upper	
117	100		
119	94.2	72.6	108.8
121	29.7	25.8	38.6





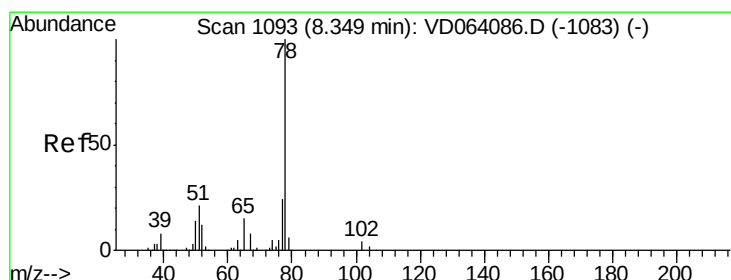
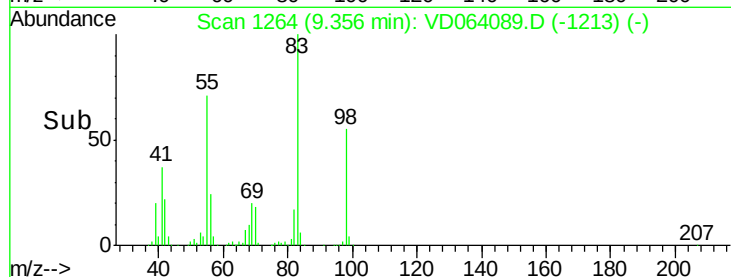
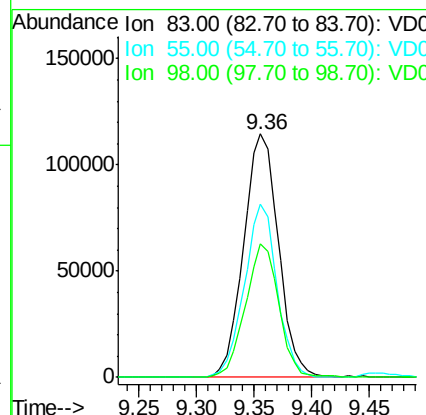
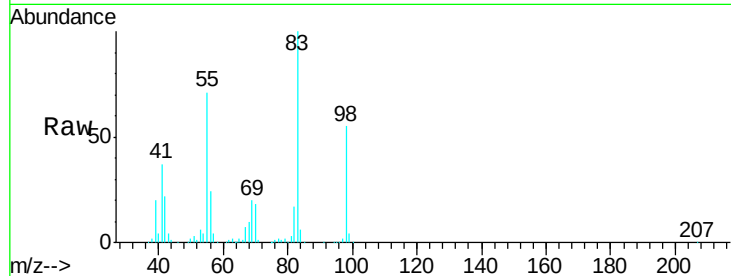
#39
Methylcyclohexane
Concen: 53.476 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
55	71.1	53.4	80.0
98	54.6	37.8	56.6

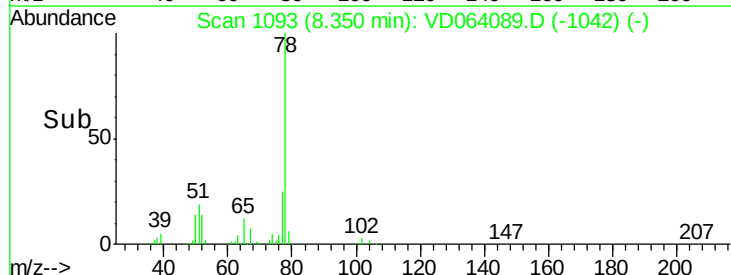
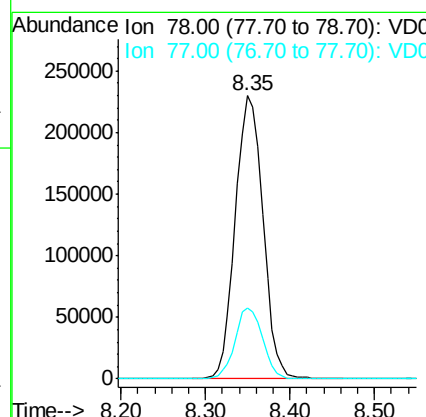
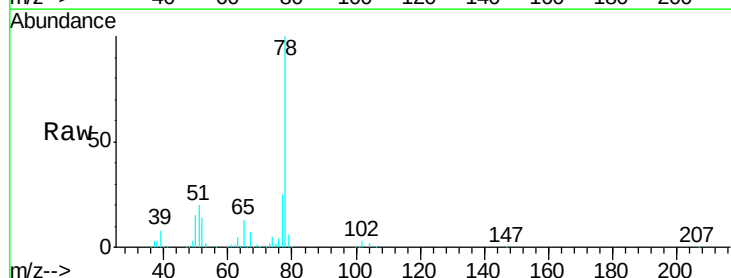
Manual Integrations
APPROVED

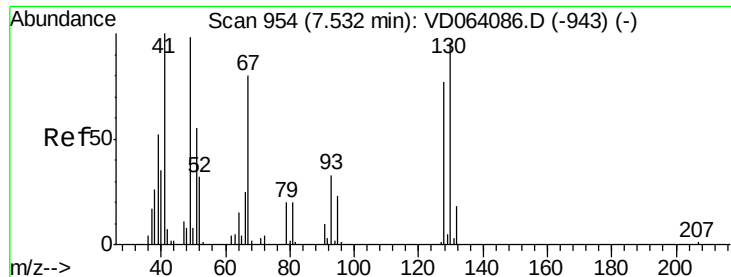
MMDadoda
10/30/2019 10:58:32 AM



#40
Benzene
Concen: 51.952 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	25.1	19.0	28.4





#41

Methacrylonitrile

Concen: 52.734 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 41 Resp: 34397
Ion Ratio Lower Upper

41 100

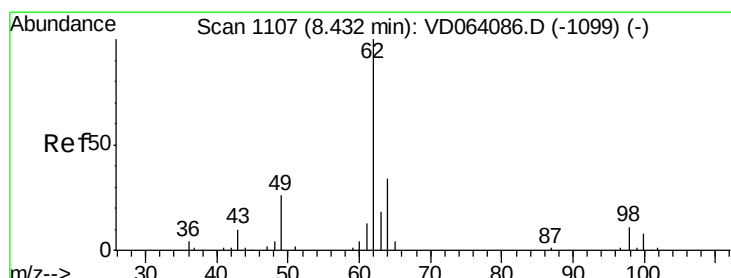
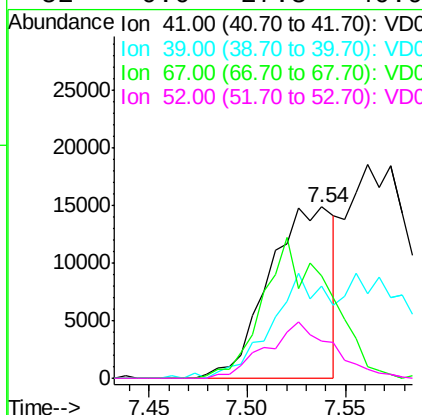
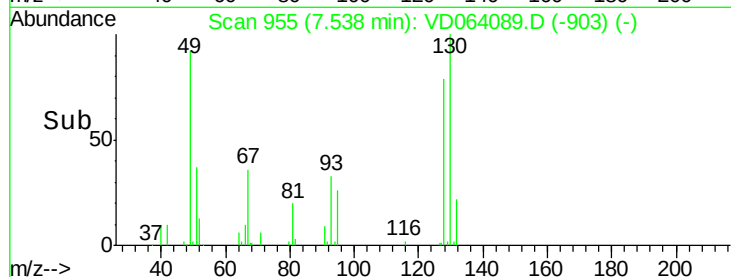
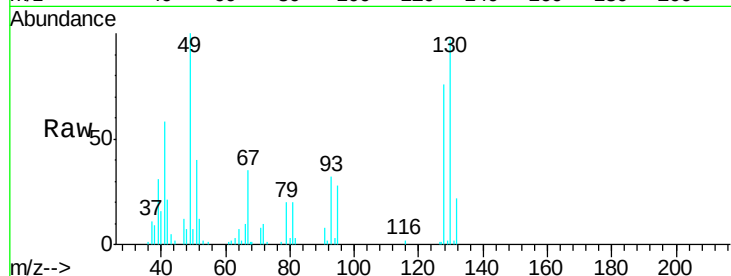
39 52.5 41.0 61.4

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#42

1,2-Dichloroethane

Concen: 49.739 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

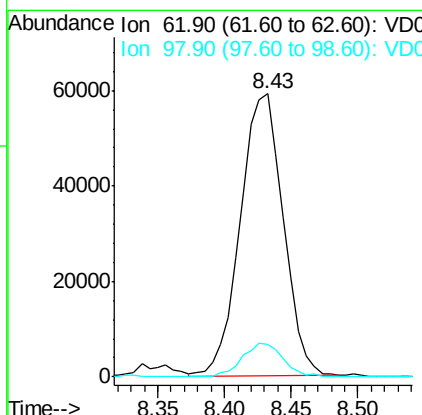
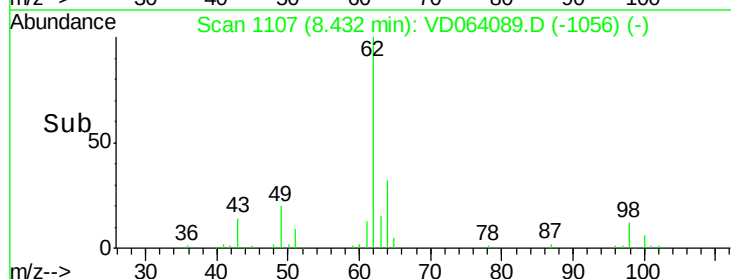
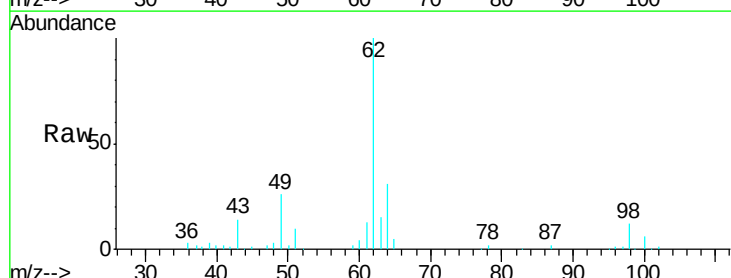
Lab File: VD064089.D

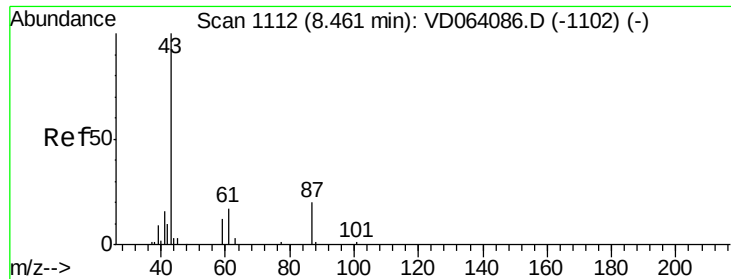
Acq: 29 Oct 2019 15:09

Tgt Ion: 62 Resp: 131565
Ion Ratio Lower Upper

62 100

98 11.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 49.837 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

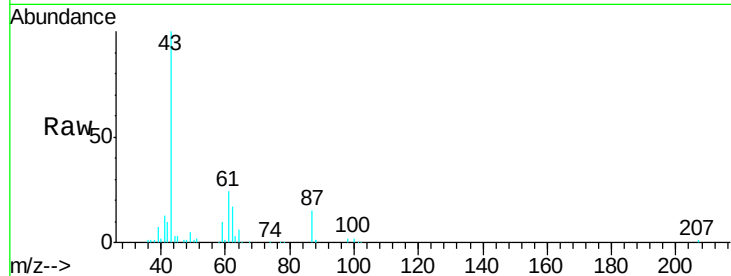
ClientSampleId :

ICVVD102919

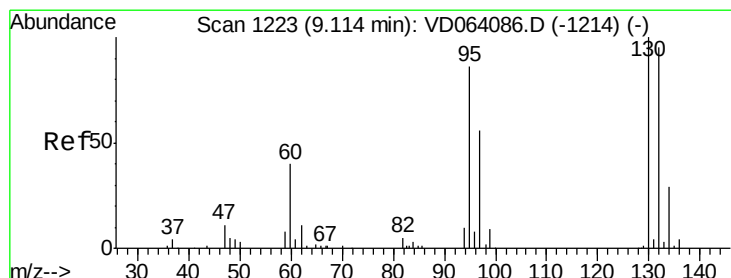
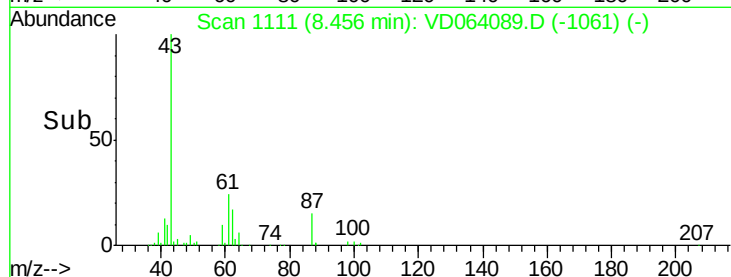
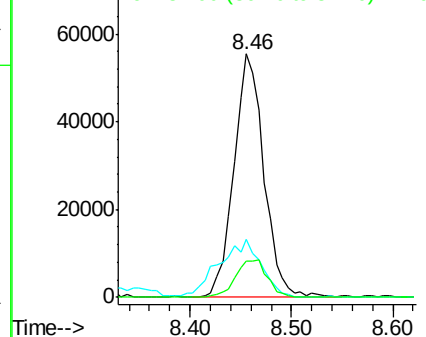
Tgt Ion:	43	Resp:	113839
Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.8	38.8
87	16.3	13.0	19.4

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.877 ug/l

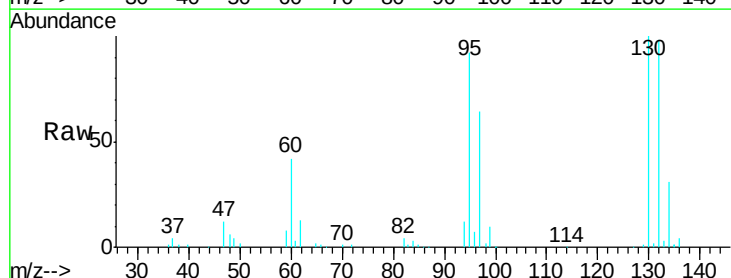
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

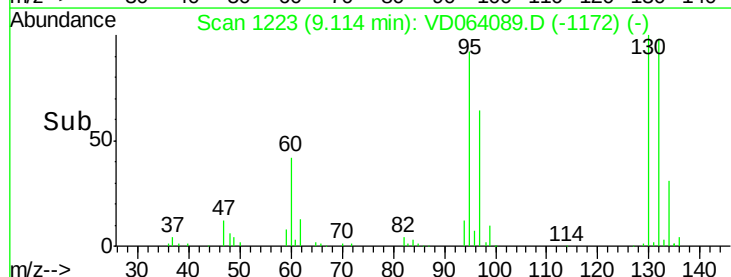
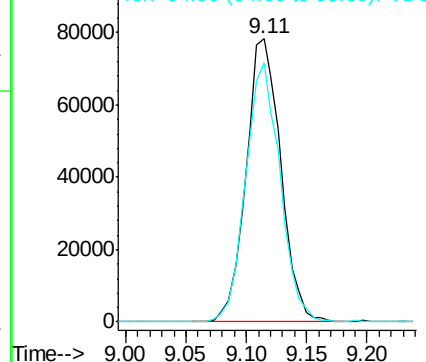
Lab File: VD064089.D

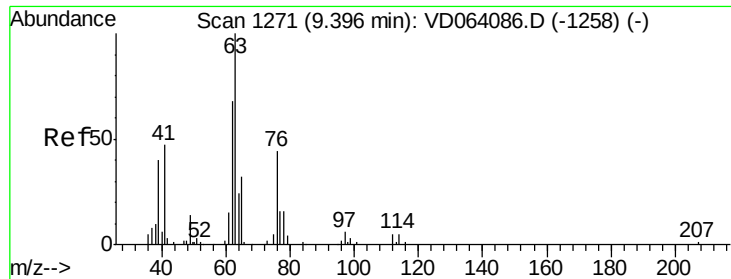
Acq: 29 Oct 2019 15:09

Tgt Ion:	130	Resp:	157450
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	173.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





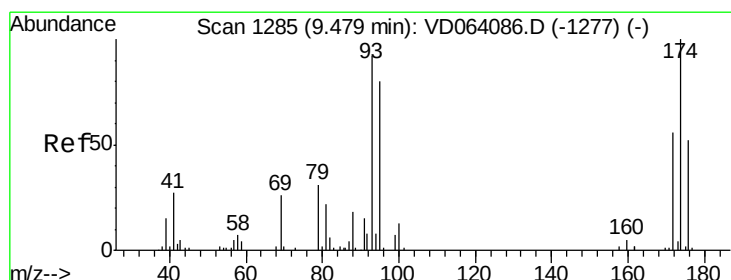
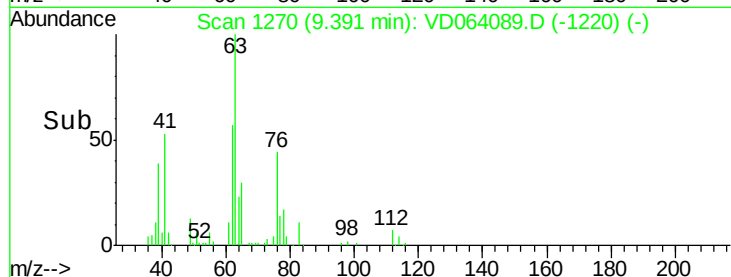
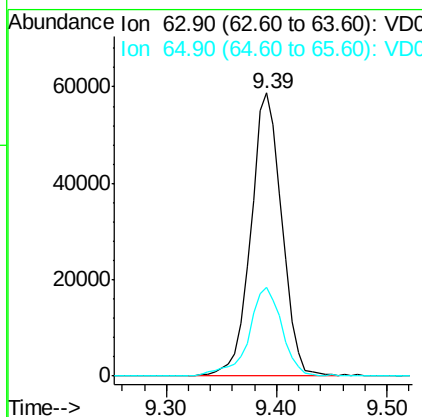
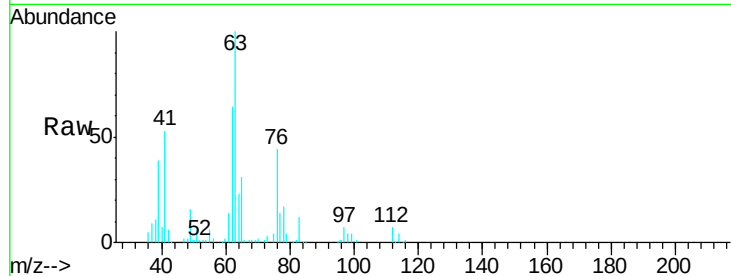
#45
 1,2-Dichloropropane
 Concen: 49.974 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion: 63 Resp: 115974
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.8 38.8

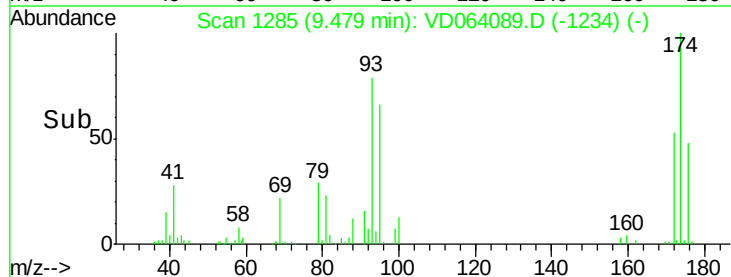
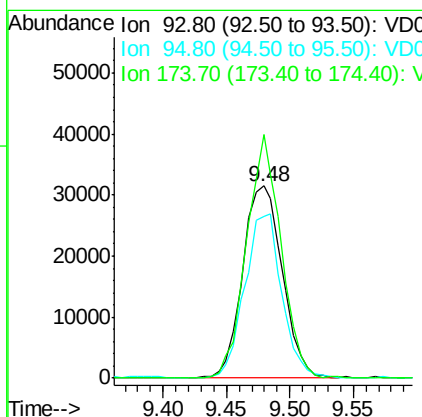
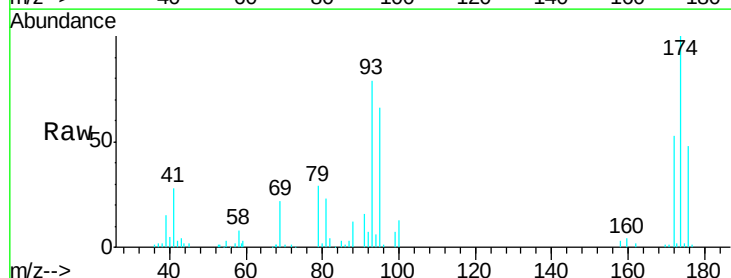
Manual Integrations
 APPROVED

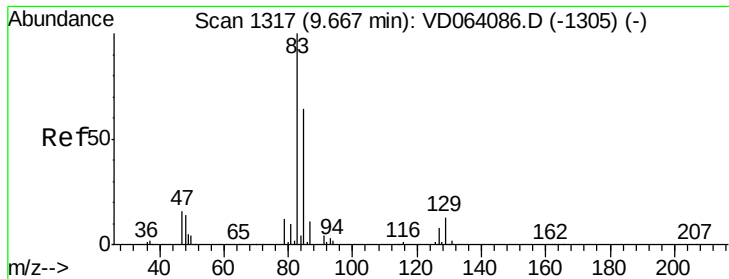
MMDadoda
 10/30/2019 10:58:32 AM



#46
 Dibromomethane
 Concen: 48.915 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion: 93 Resp: 68367
 Ion Ratio Lower Upper
 93 100
 95 80.4 67.4 101.2
 174 110.8 86.4 129.6





#47

Bromodichloromethane

Concen: 51.907 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

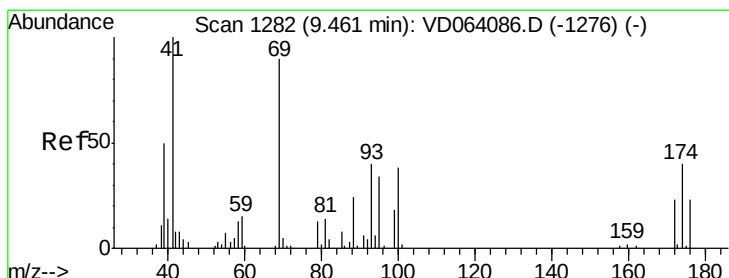
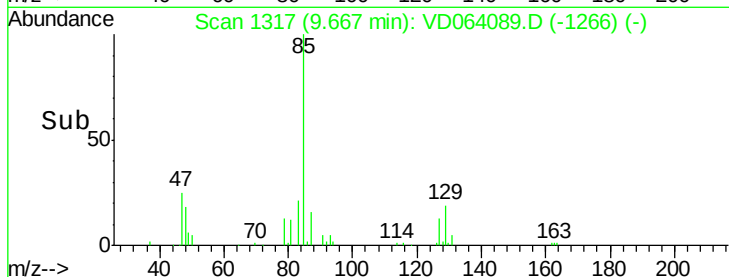
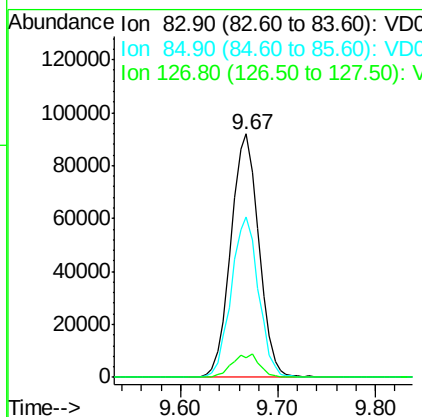
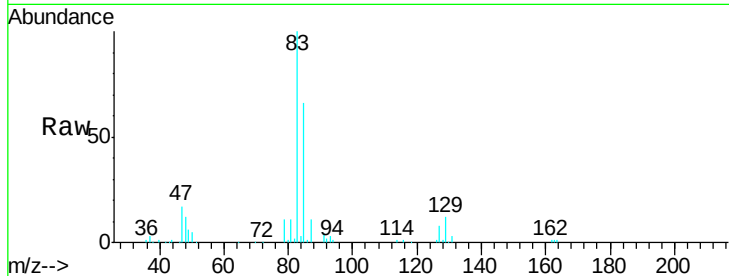
ClientSampleId :

ICVVD102919

Tgt Ion:	83	Resp:	183024
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.0
127	8.2	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#48

Methyl methacrylate

Concen: 53.006 ug/l

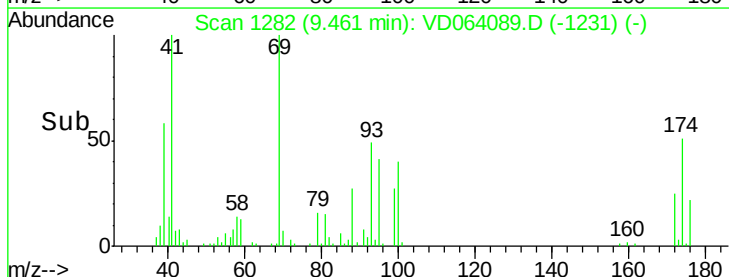
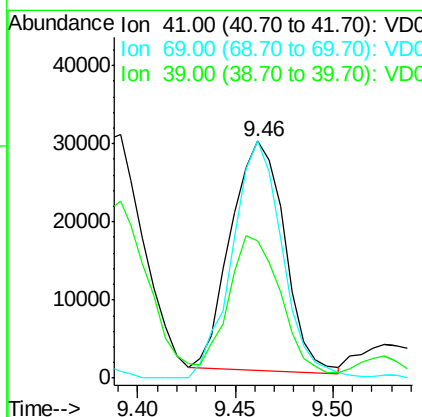
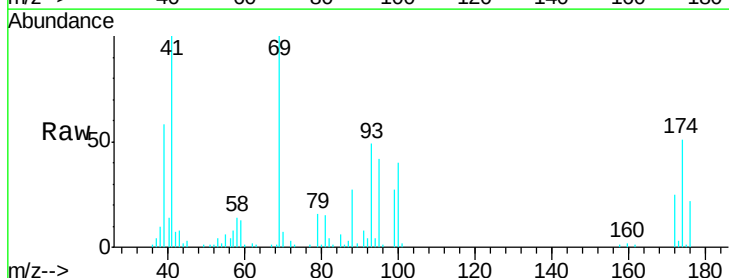
RT: 9.46 min Scan# 1282

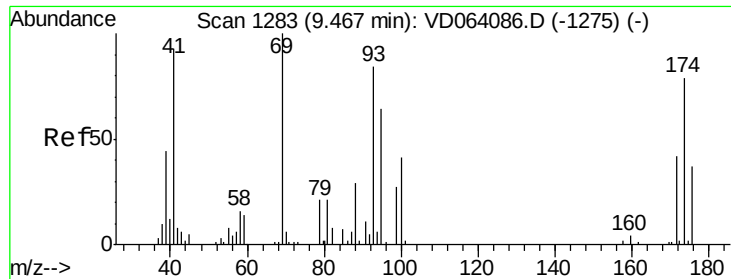
Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	41	Resp:	55992
Ion	Ratio	Lower	Upper
41	100		
69	97.1	82.6	124.0
39	56.2	47.0	70.4





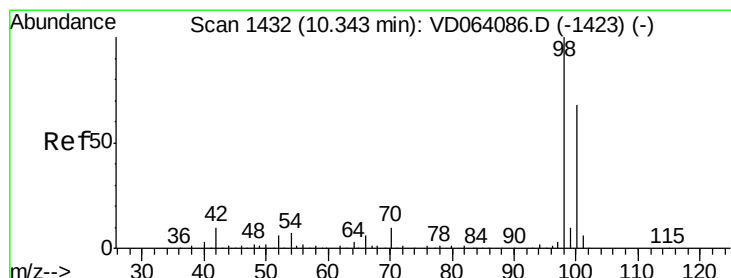
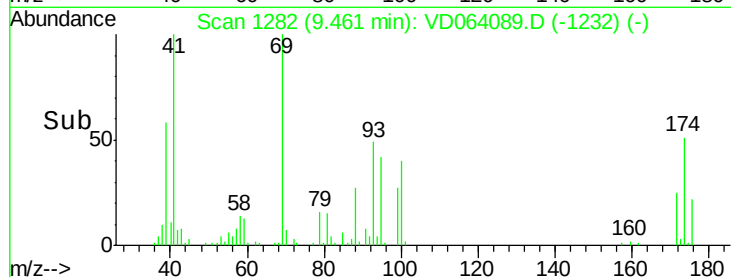
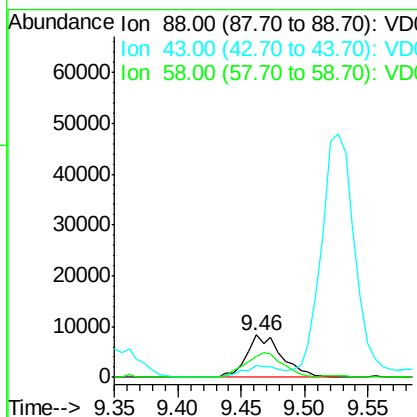
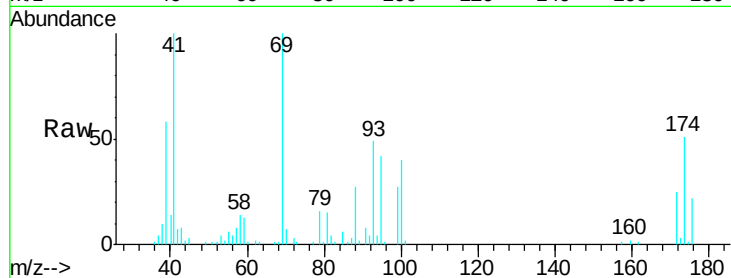
#49
1,4-Dioxane
Concen: 1010.893 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.9	13.4	20.0#
58	62.2	46.7	70.1

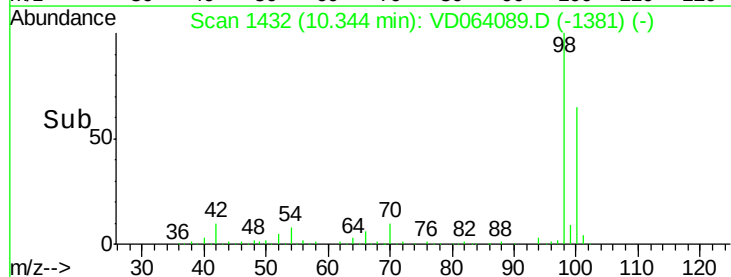
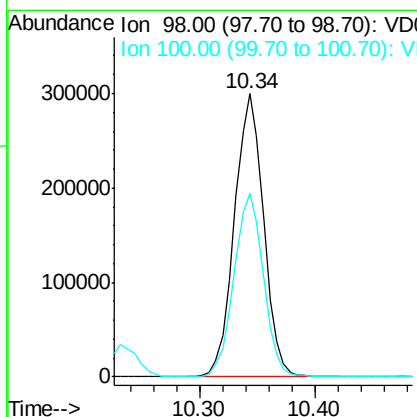
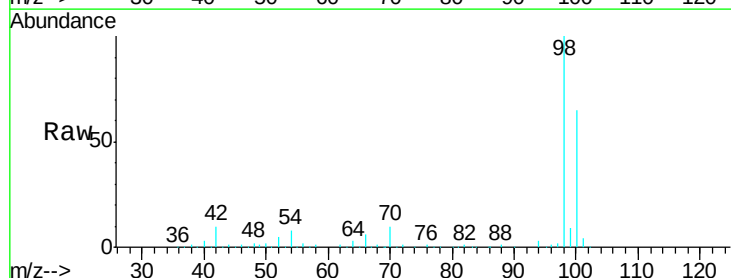
Manual Integrations
APPROVED

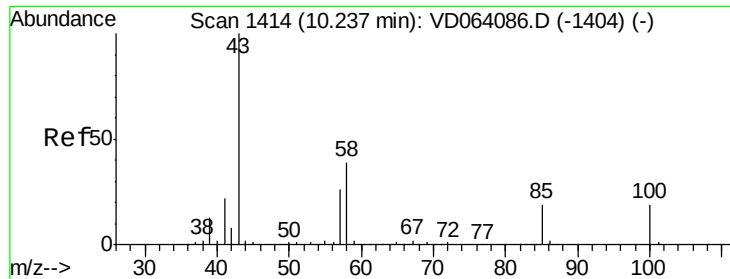
MMDadoda
10/30/2019 10:58:32 AM



#50
Toluene-d8
Concen: 54.377 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.4	80.0





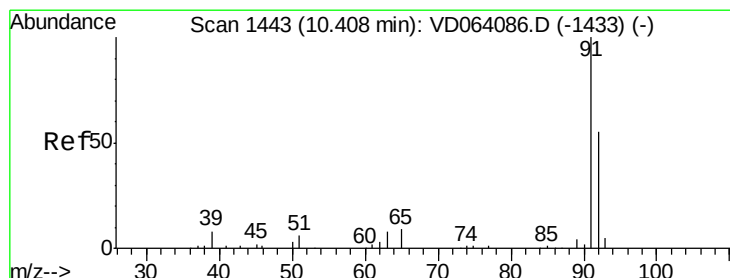
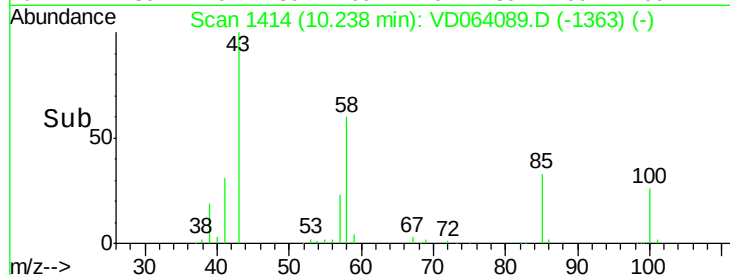
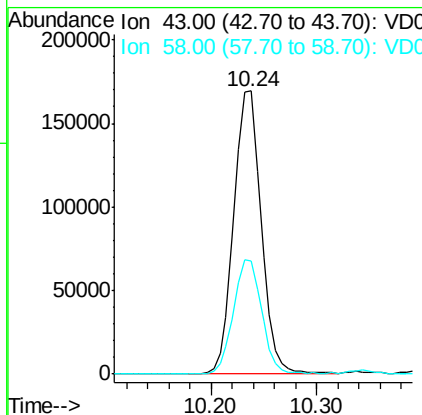
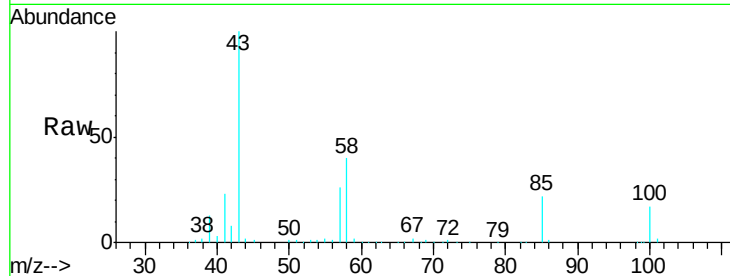
#51
 4-Methyl-2-Pentanone
 Concen: 246.135 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion: 43 Resp: 306079
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.0 49.4

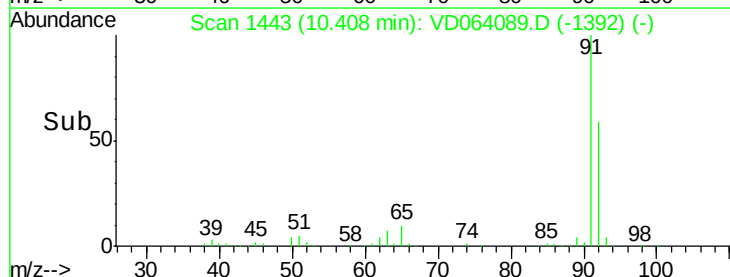
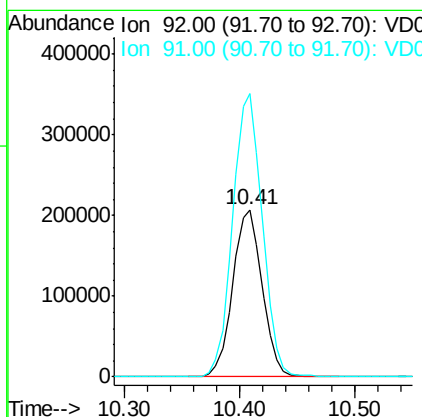
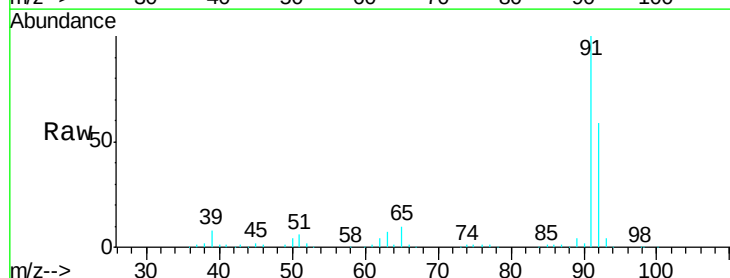
Manual Integrations
 APPROVED

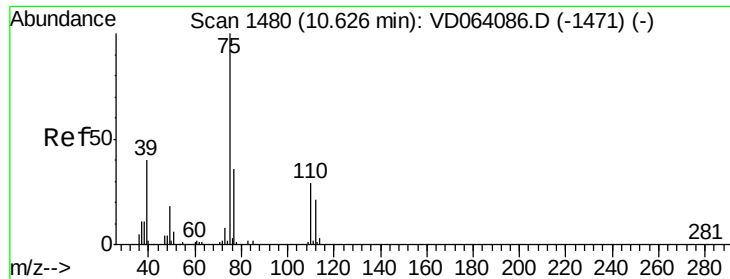
MMDadoda
 10/30/2019 10:58:32 AM



#52
 Toluene
 Concen: 52.022 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion: 92 Resp: 365073
 Ion Ratio Lower Upper
 92 100
 91 171.1 140.7 211.1





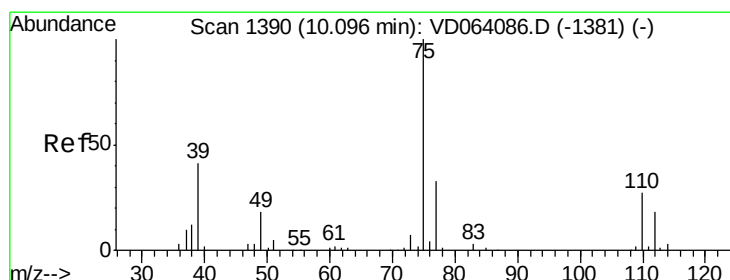
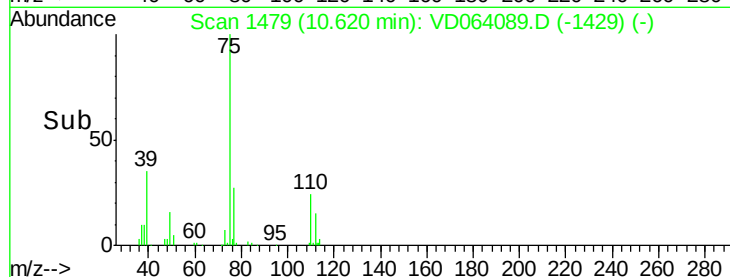
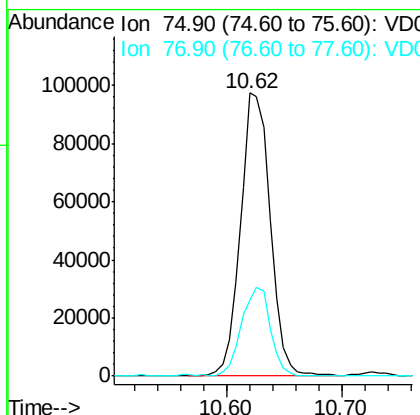
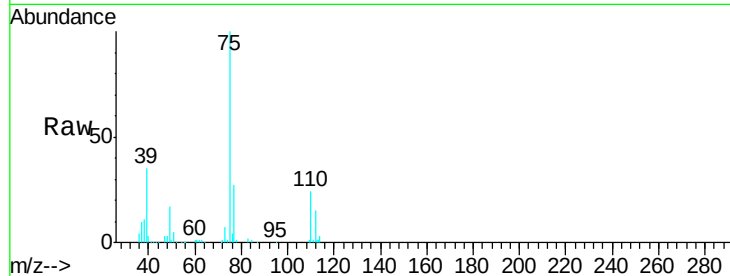
#53
t-1,3-Dichloropropene
Concen: 52.846 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion: 75 Resp: 173938
Ion Ratio Lower Upper
75 100
77 26.8 28.7 43.1#

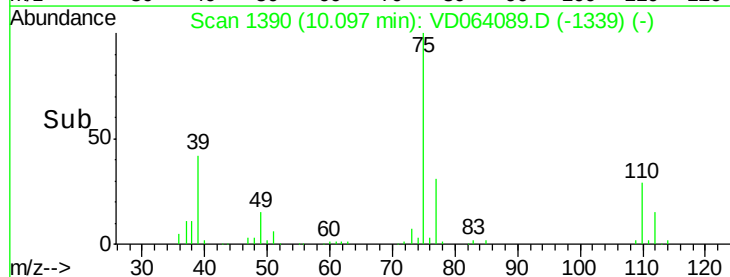
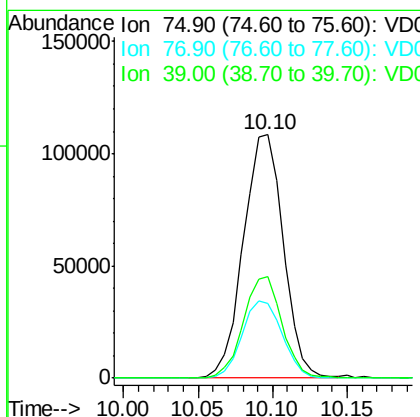
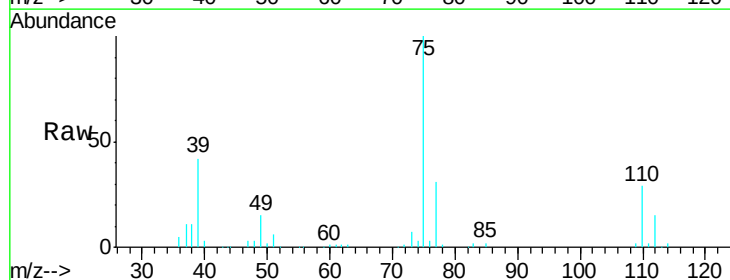
Manual Integrations
APPROVED

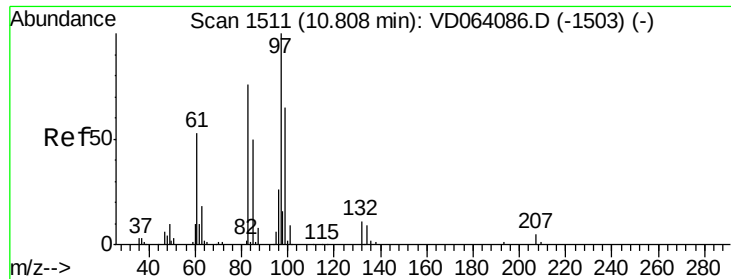
MMDadoda
10/30/2019 10:58:32 AM



#54
cis-1,3-Dichloropropene
Concen: 51.905 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 75 Resp: 200997
Ion Ratio Lower Upper
75 100
77 30.8 26.8 40.2
39 41.8 32.7 49.1





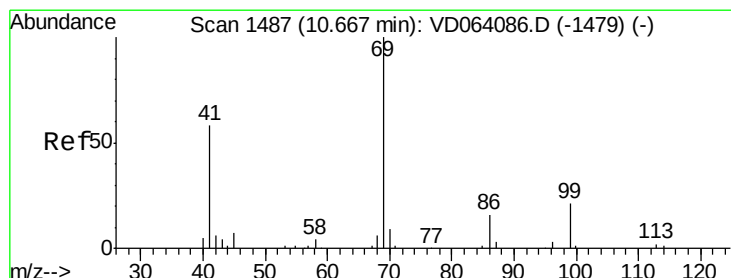
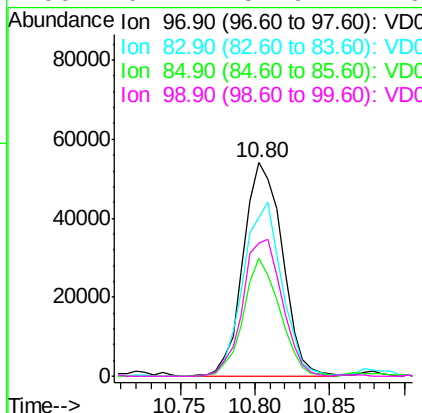
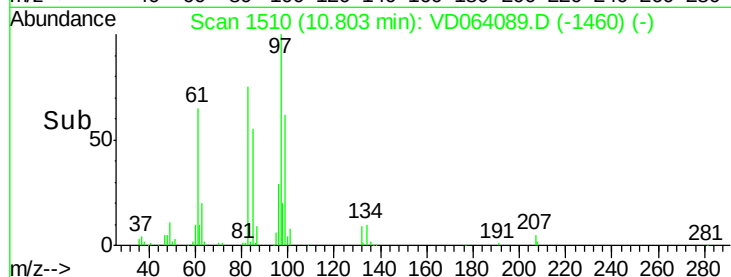
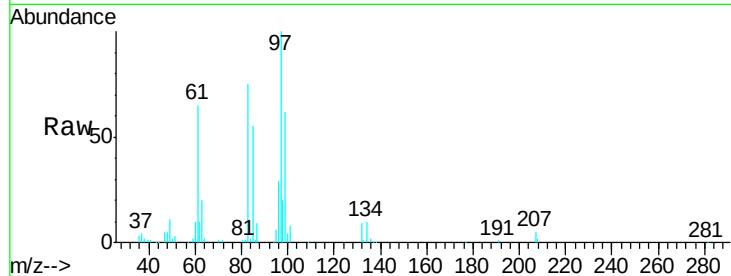
#55
 1,1,2-Trichloroethane
 Concen: 49.613 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	98313		
83	74.5	60.9	91.3	
85	55.2	40.2	60.2	
99	62.4	51.9	77.9	

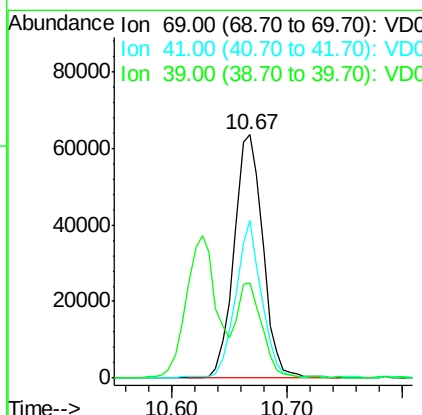
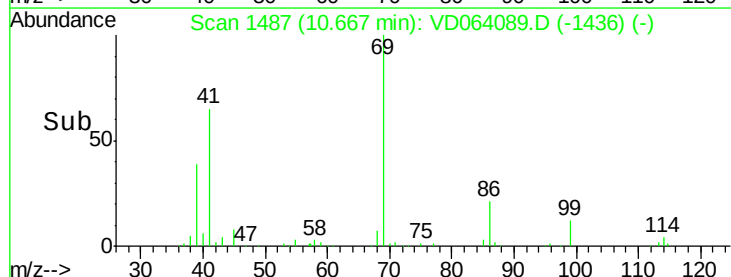
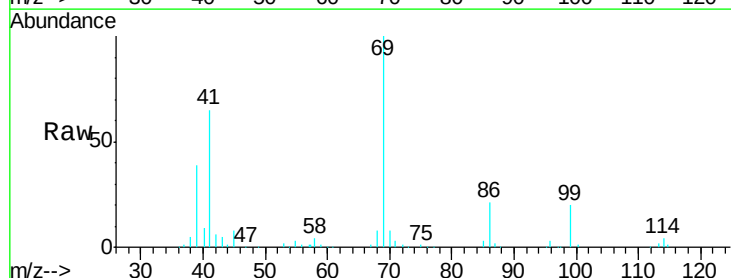
Manual Integrations
 APPROVED

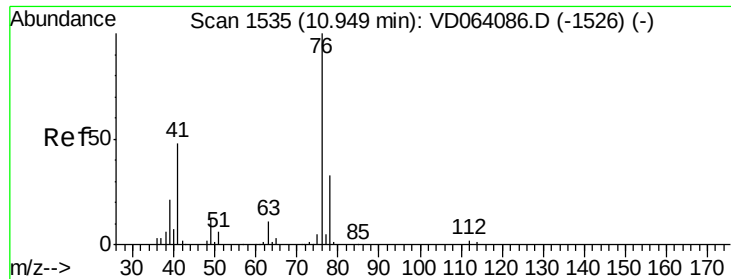
MMDadoda
 10/30/2019 10:58:32 AM



#56
 Ethyl methacrylate
 Concen: 45.927 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	109986		
41	57.1	46.9	70.3	
39	33.0	27.3	40.9	





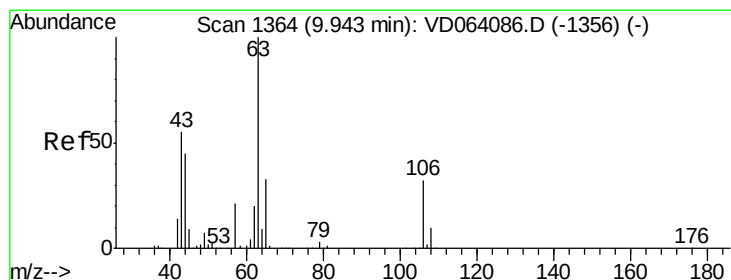
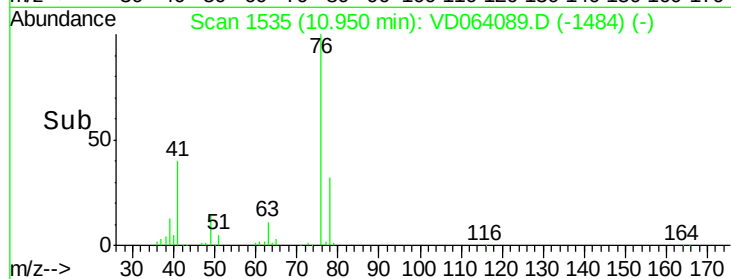
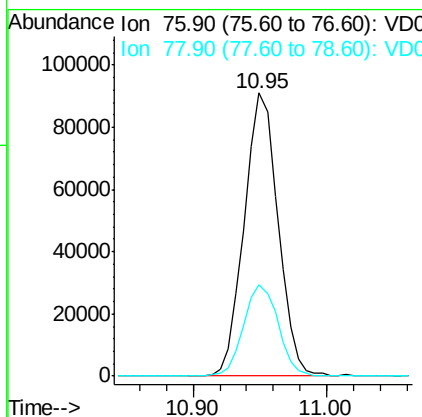
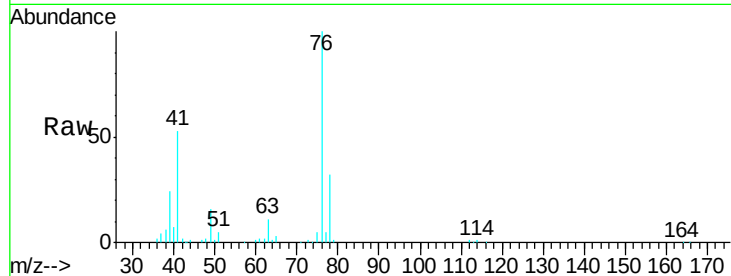
#57
 1,3-Dichloropropane
 Concen: 48.670 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion: 76 Resp: 159503
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.9 38.9

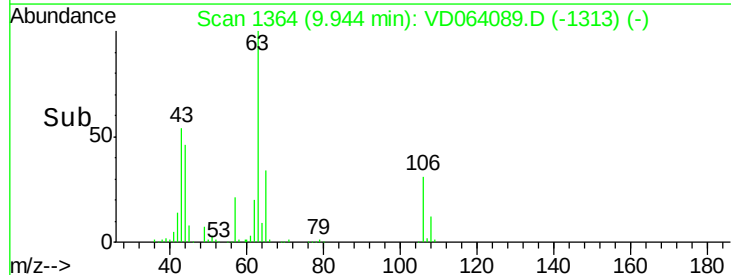
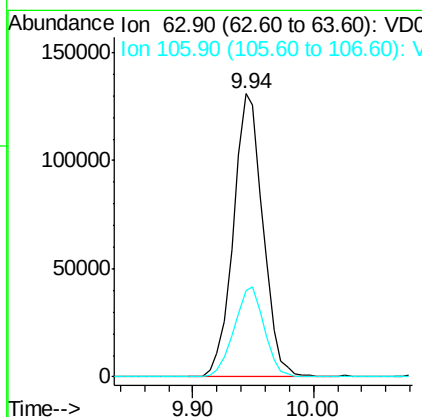
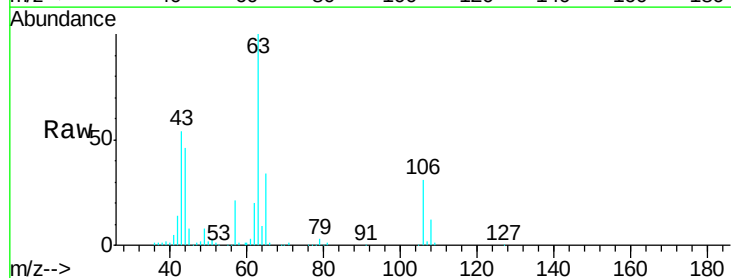
Manual Integrations
 APPROVED

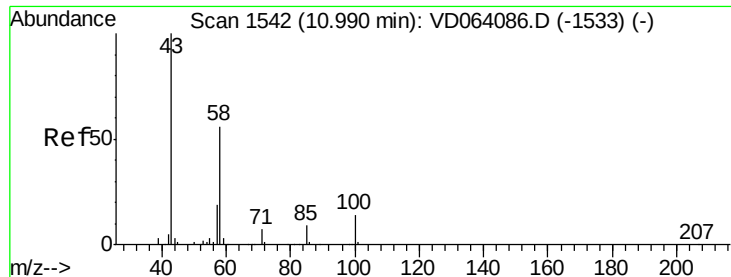
MMDadoda
 10/30/2019 10:58:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.238 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion: 63 Resp: 223322
 Ion Ratio Lower Upper
 63 100
 106 32.3 25.8 38.8





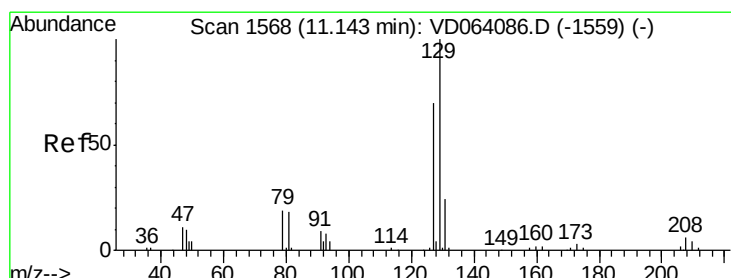
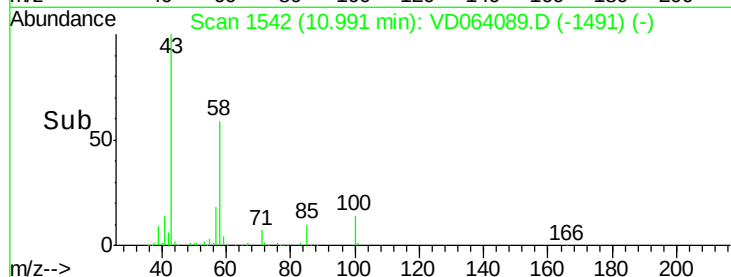
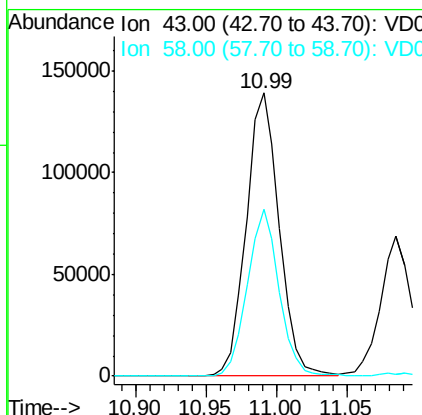
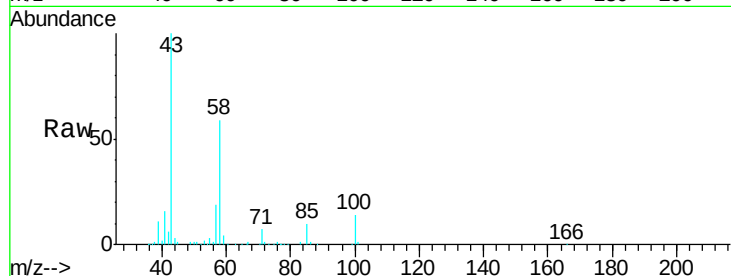
#59
2-Hexanone
Concen: 234.979 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion: 43 Resp: 228511
Ion Ratio Lower Upper
43 100
58 56.9 29.2 87.6

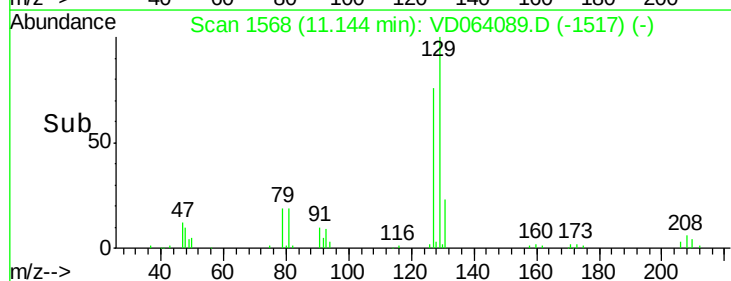
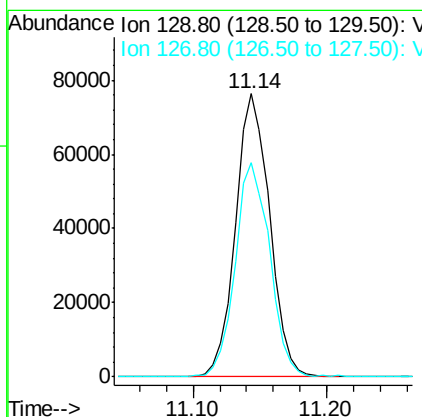
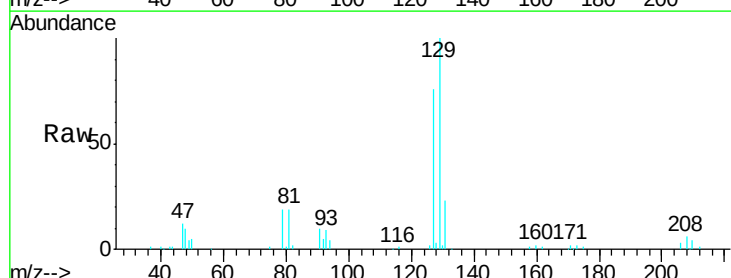
Manual Integrations
APPROVED

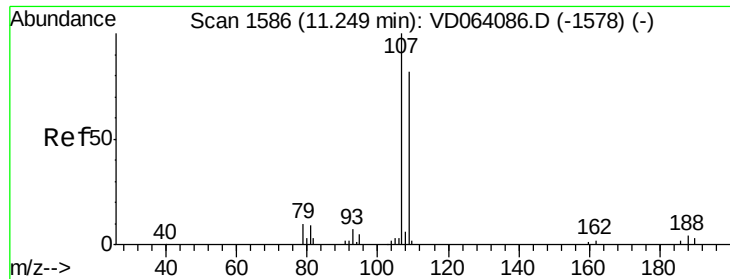
MMDadoda
10/30/2019 10:58:32 AM



#60
Dibromochloromethane
Concen: 50.188 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 129 Resp: 134987
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





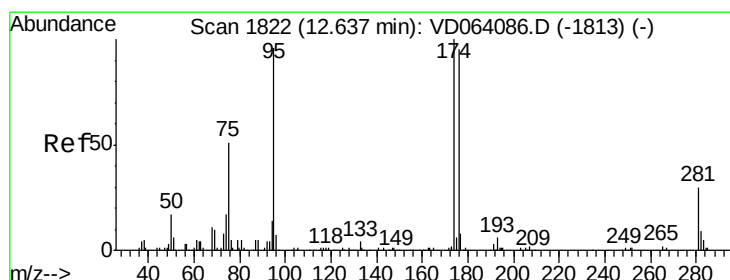
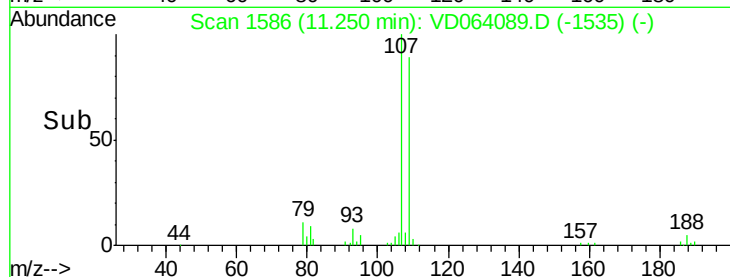
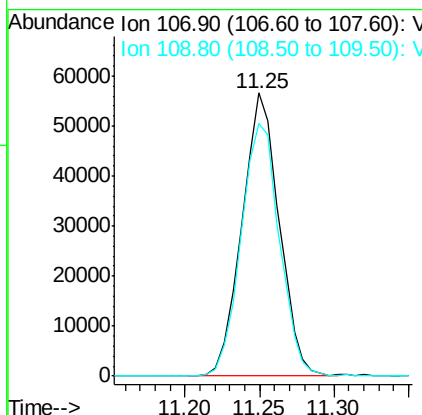
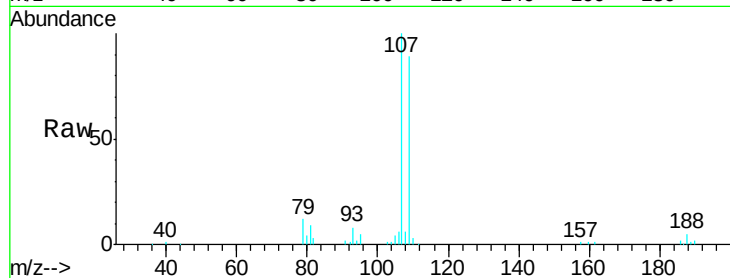
#61
1,2-Dibromoethane
Concen: 49.291 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion: 107 Resp: 97692
Ion Ratio Lower Upper
107 100
109 92.1 73.0 109.4

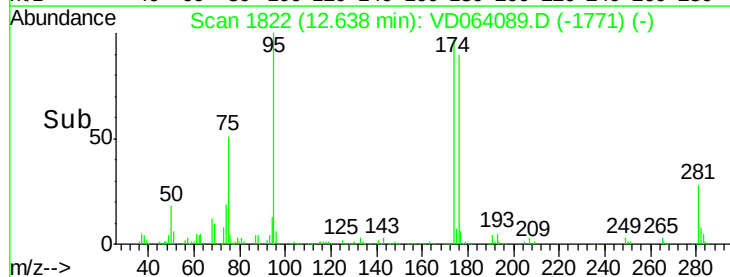
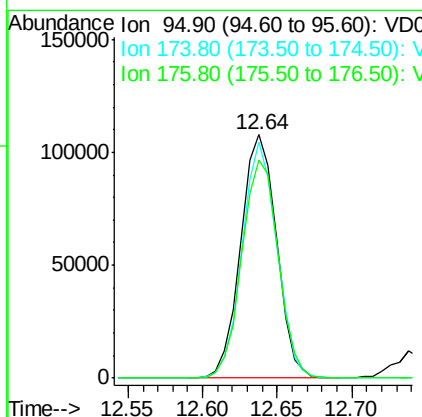
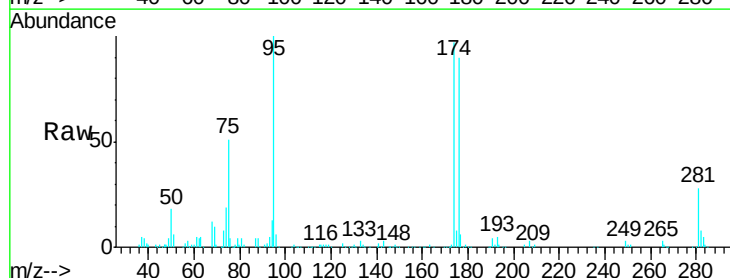
Manual Integrations
APPROVED

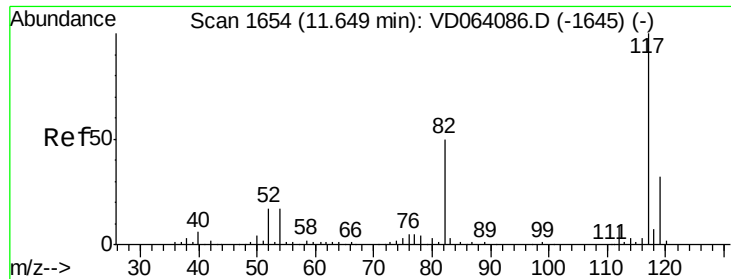
MMDadoda
10/30/2019 10:58:32 AM



#62
4-Bromofluorobenzene
Concen: 56.019 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion: 95 Resp: 179072
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.6
176 91.0 0.0 192.6





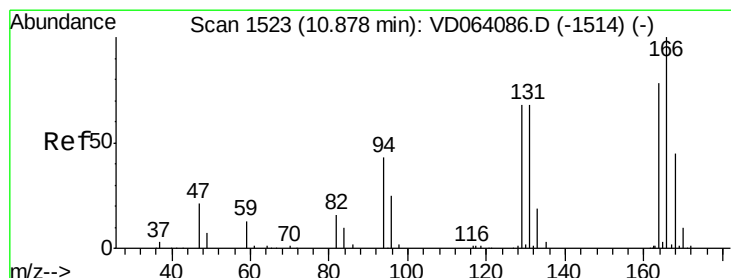
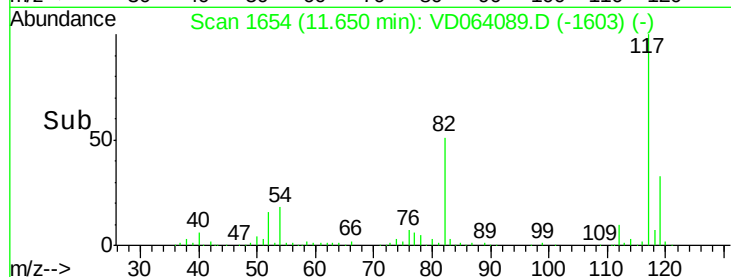
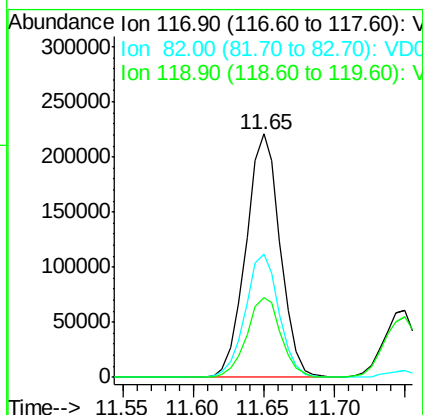
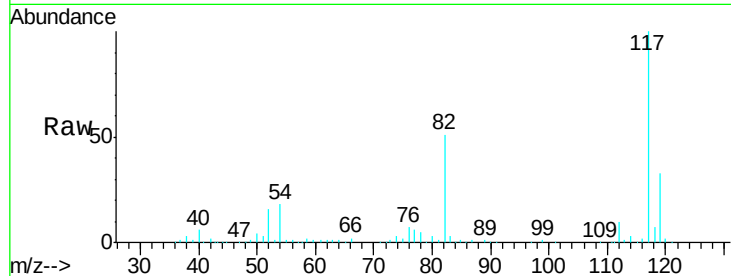
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	375022		
82	50.5	40.2	60.4	
119	32.9	26.0	39.0	

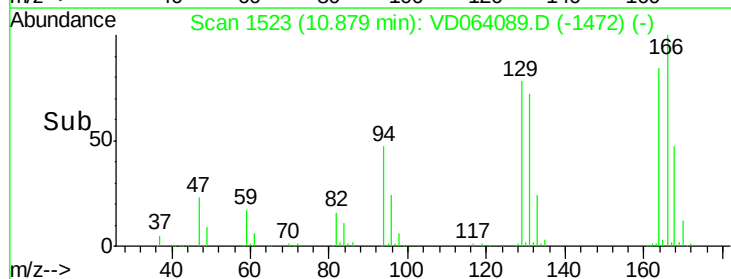
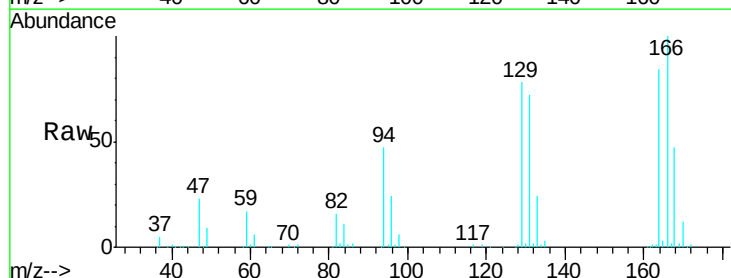
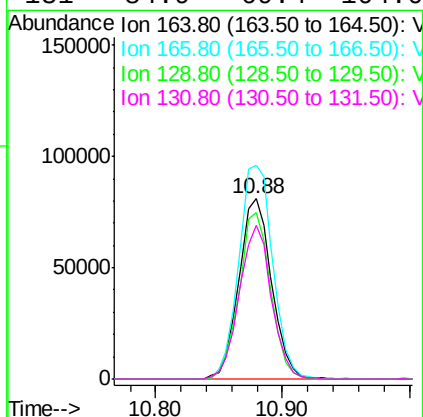
Manual Integrations
APPROVED

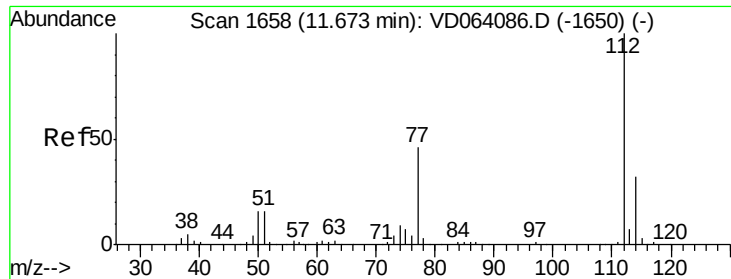
MMDadoda
10/30/2019 10:58:32 AM



#64
Tetrachloroethene
Concen: 53.792 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	144926		
166	118.4	102.7	154.1	
129	92.4	69.8	104.6	
131	84.9	69.4	104.0	





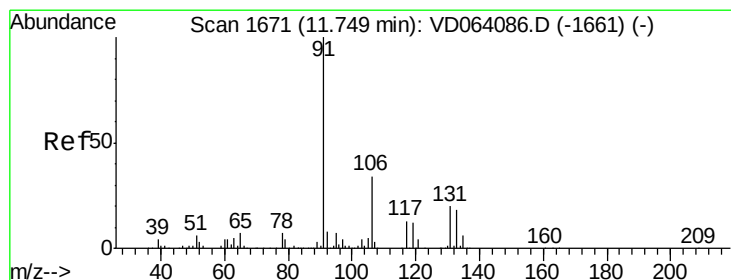
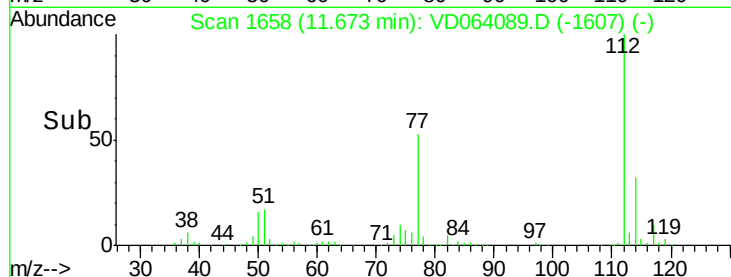
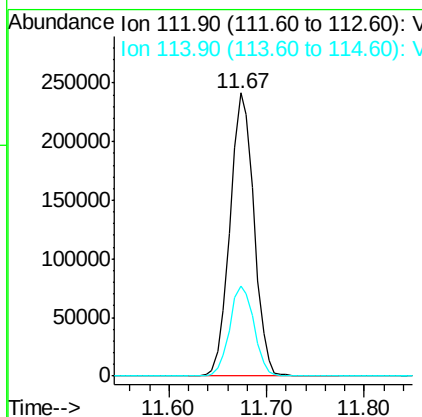
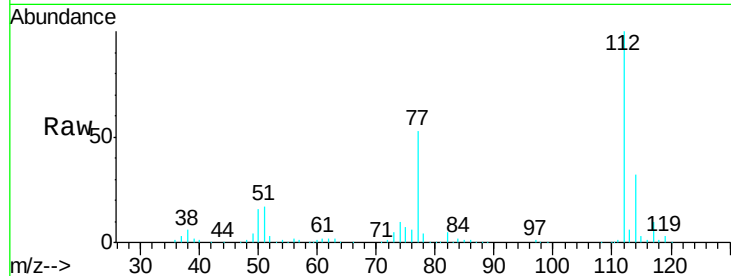
#65
Chlorobenzene
Concen: 53.064 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion:112 Resp: 411180
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

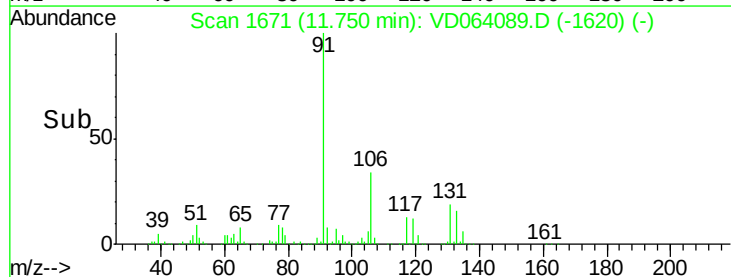
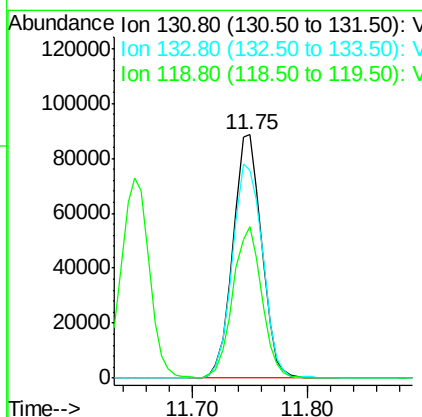
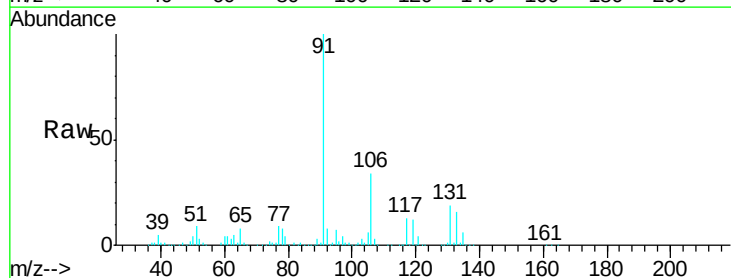
Manual Integrations
APPROVED

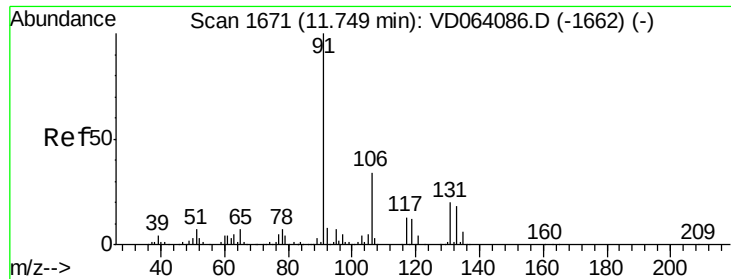
MMDadoda
10/30/2019 10:58:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.638 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion:131 Resp: 152621
Ion Ratio Lower Upper
131 100
133 93.0 47.6 142.9
119 62.7 31.4 94.3





#67

Ethyl Benzene

Concen: 54.154 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 91 Resp: 746380

Ion Ratio Lower Upper

91 100

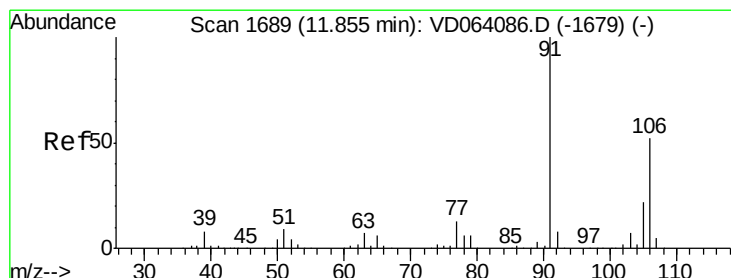
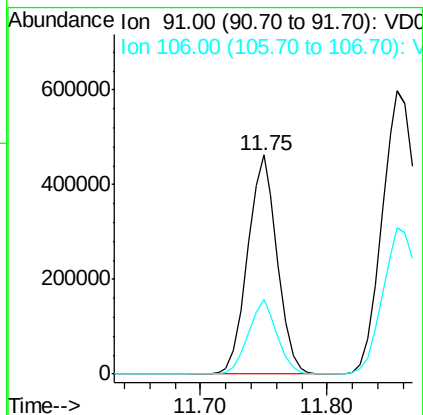
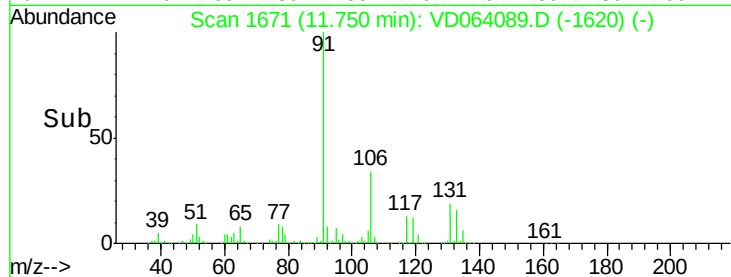
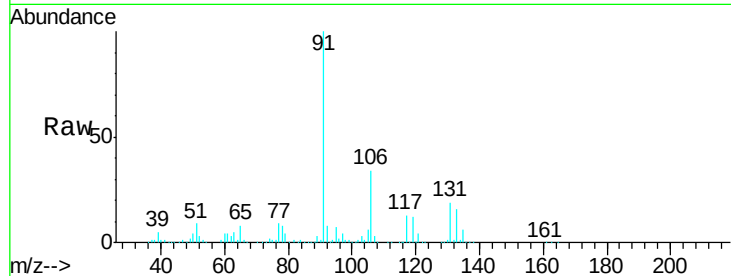
106 34.0 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



#68

m/p-Xylenes

Concen: 107.726 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064089.D

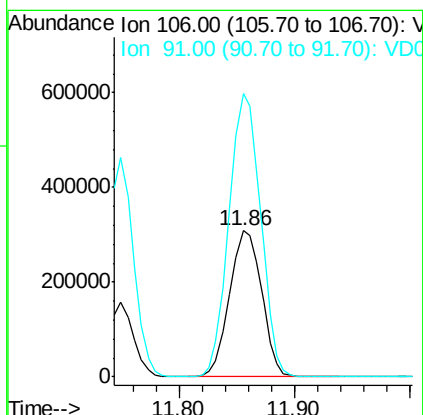
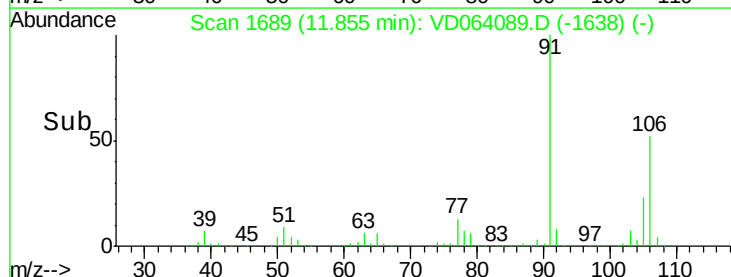
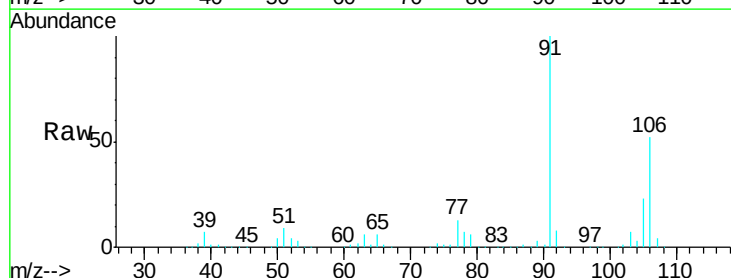
Acq: 29 Oct 2019 15:09

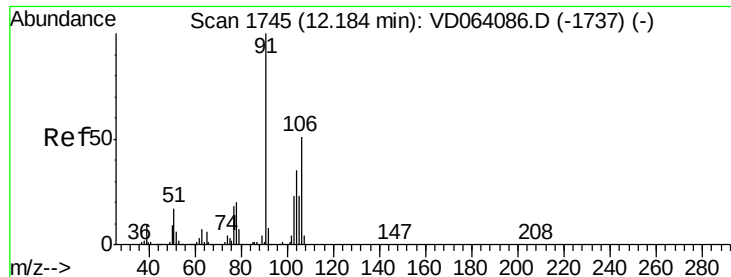
Tgt Ion: 106 Resp: 597198

Ion Ratio Lower Upper

106 100

91 191.3 154.0 231.0





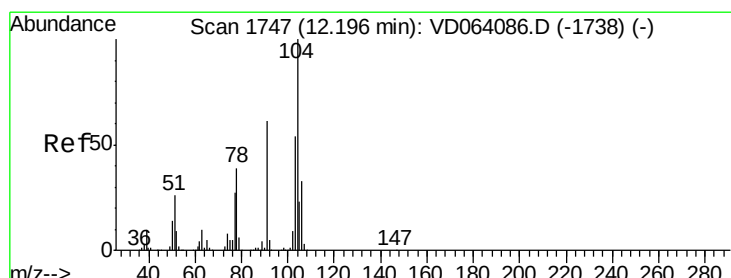
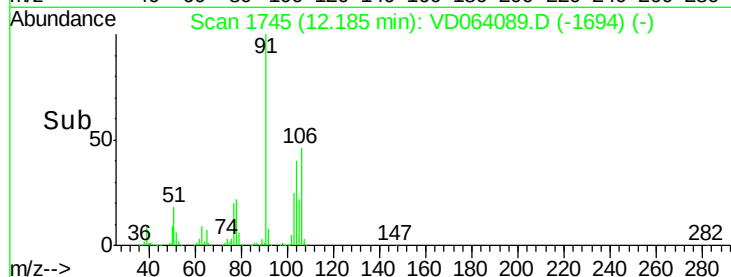
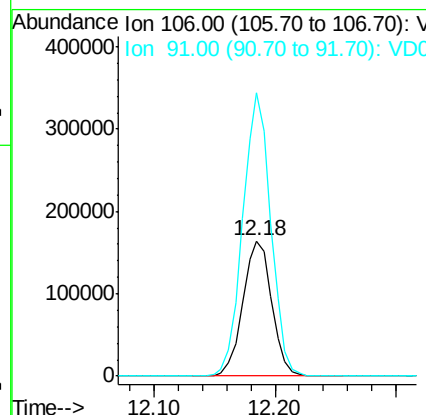
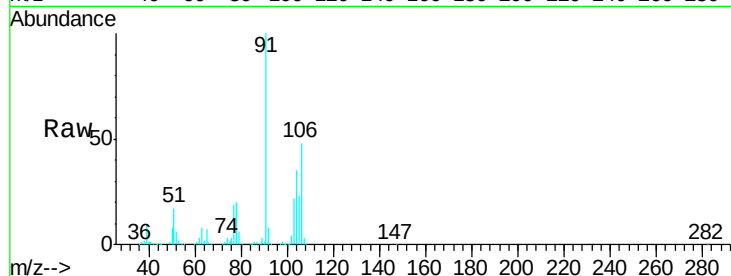
#69
o-Xylene
Concen: 54.006 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.8	100.6	301.9

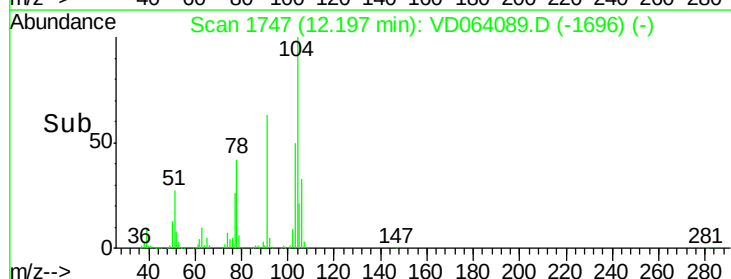
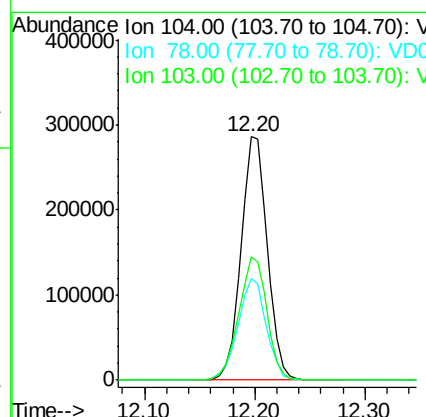
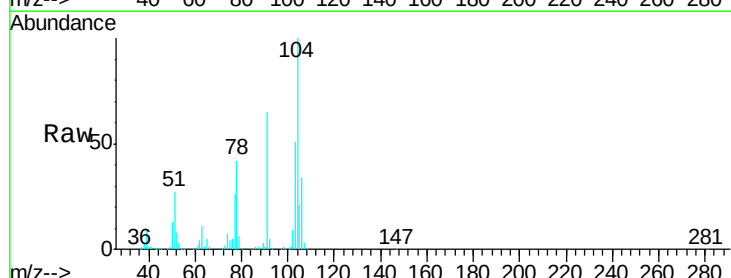
Manual Integrations
APPROVED

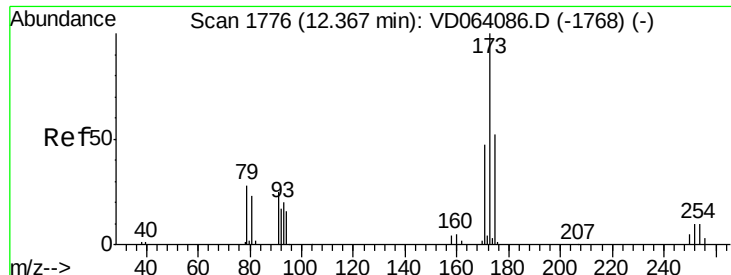
MMDadoda
10/30/2019 10:58:32 AM



#70
Styrene
Concen: 54.963 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.1	34.6	51.8
103	54.2	44.2	66.2





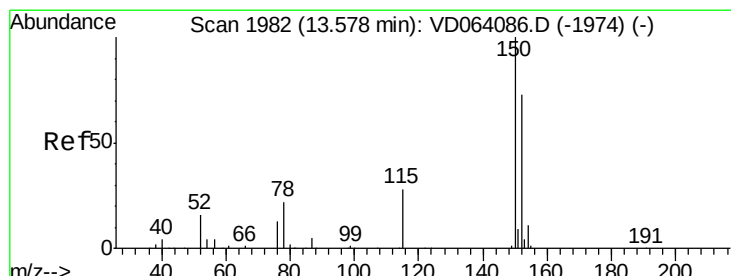
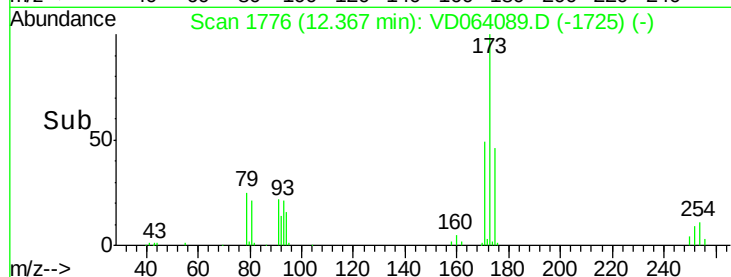
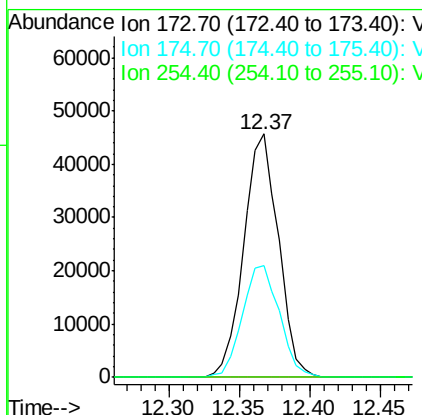
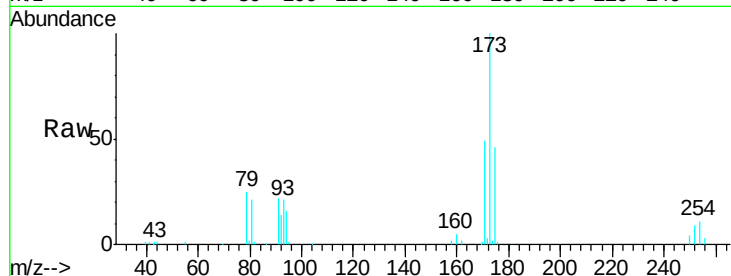
#71
Bromoform
Concen: 50.847 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.0	0.0	0.0

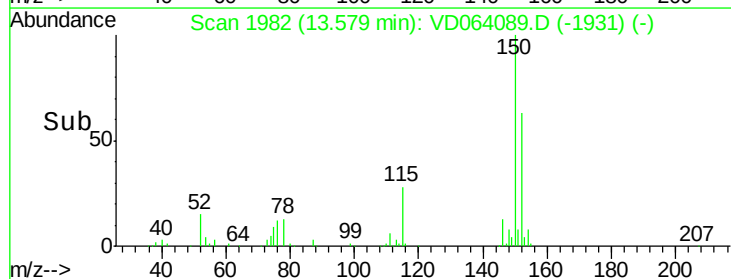
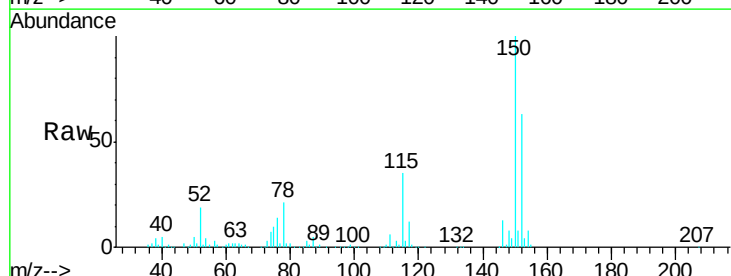
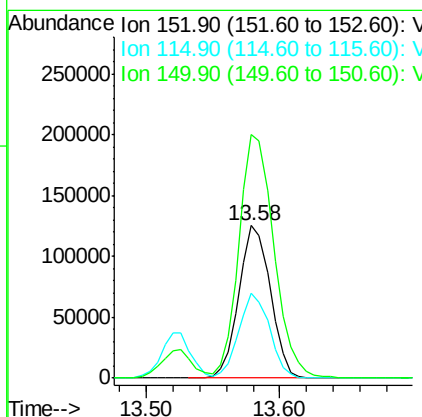
Manual Integrations
APPROVED

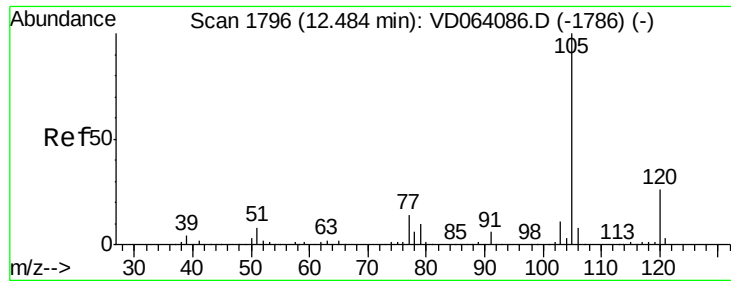
MMDadoda
10/30/2019 10:58:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	26.2	78.6
150	176.8	0.0	338.8





#73

Isopropylbenzene

Concen: 54.331 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 105 Resp: 772438

Ion Ratio Lower Upper

105 100

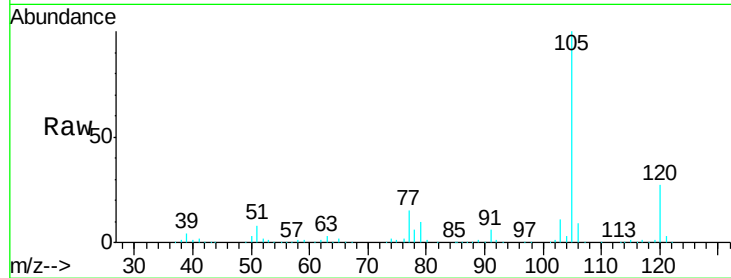
120 27.6 13.3 39.9

Manual Integrations

APPROVED

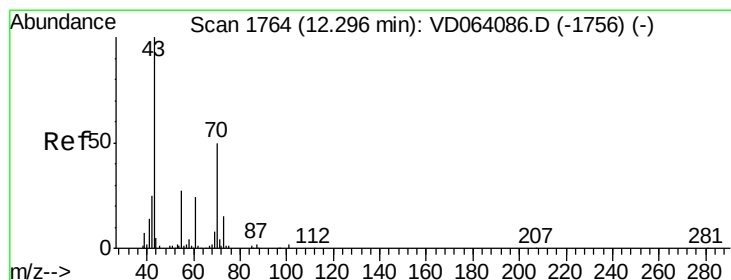
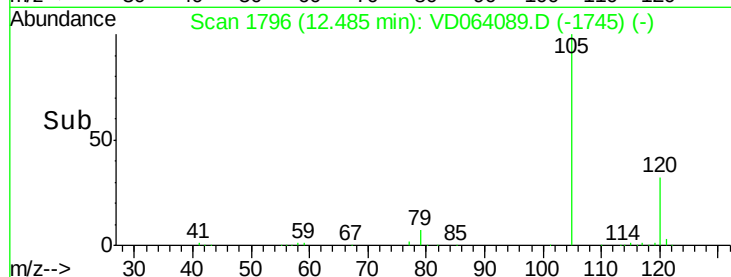
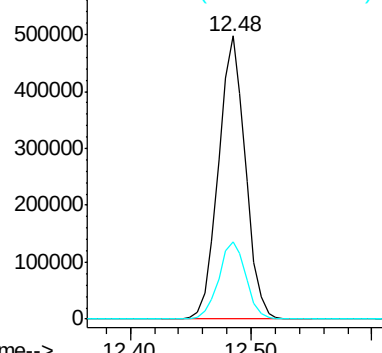
MMDadoda

10/30/2019 10:58:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.060 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion: 43 Resp: 125323

Ion Ratio Lower Upper

43 100

70 46.8 38.6 58.0

55 24.1 20.4 30.6

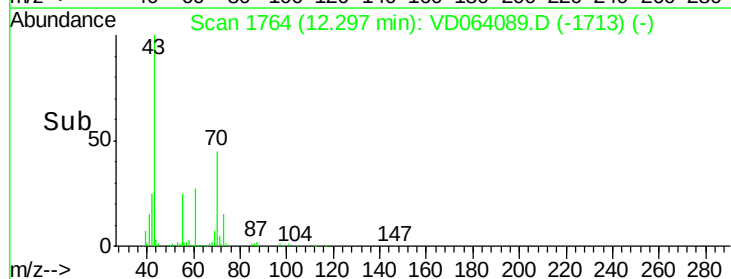
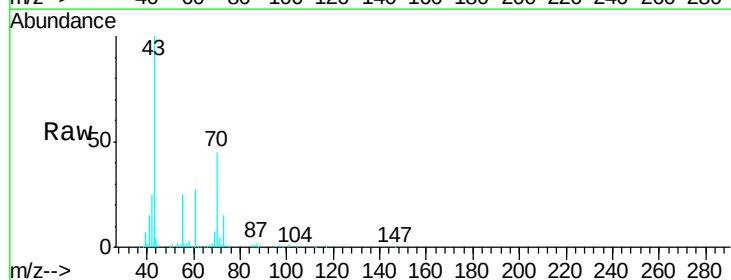
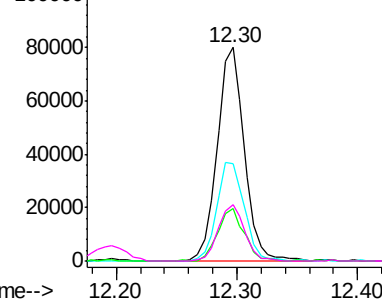
61 26.0 20.8 31.2

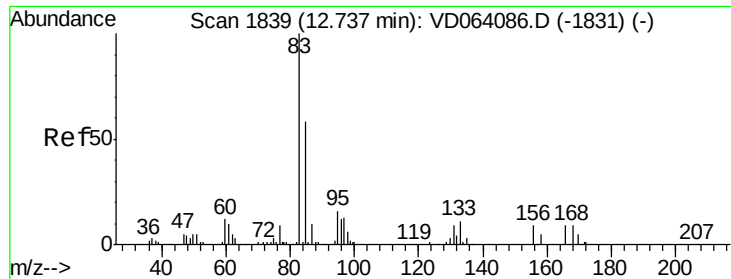
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.898 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

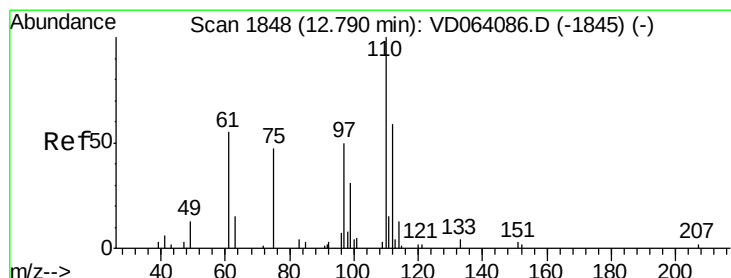
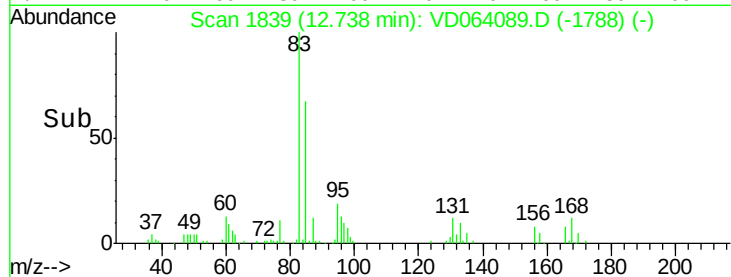
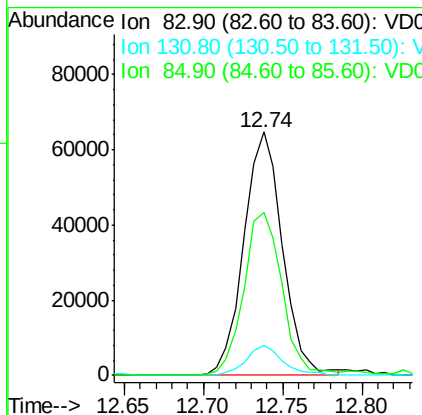
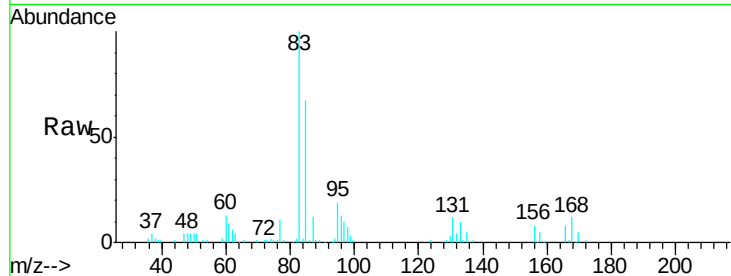
ClientSampleId :

ICVVD102919

Tgt Ion:	83	Resp:	109578
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.0
85	66.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#76

1,2,3-Trichloropropane

Concen: 49.940 ug/l m

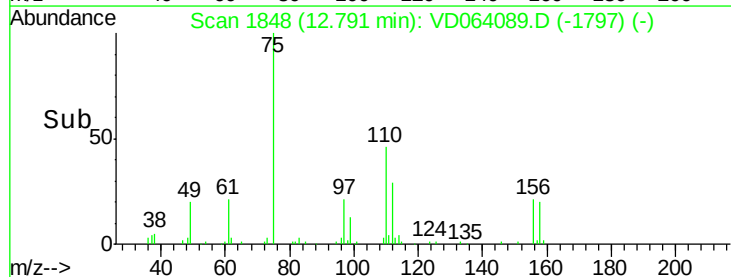
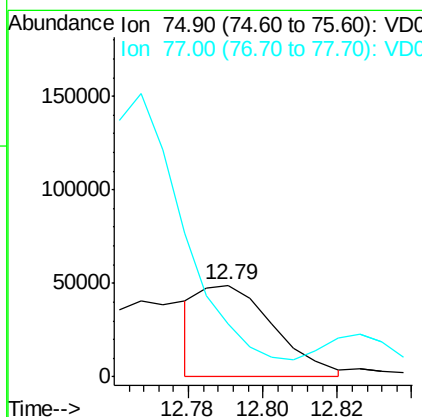
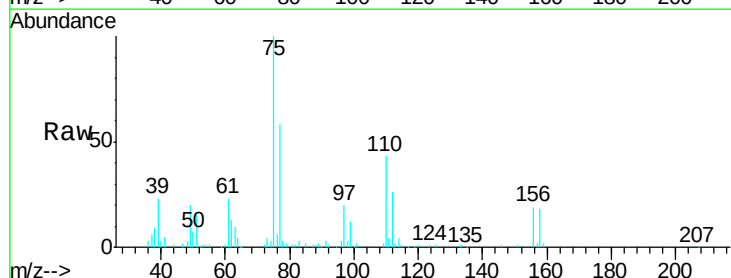
RT: 12.79 min Scan# 1848

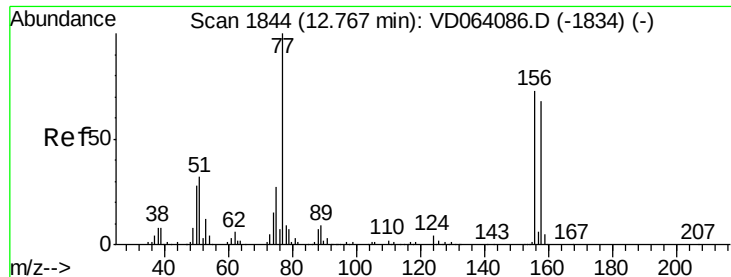
Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	75	Resp:	68656
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.603 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

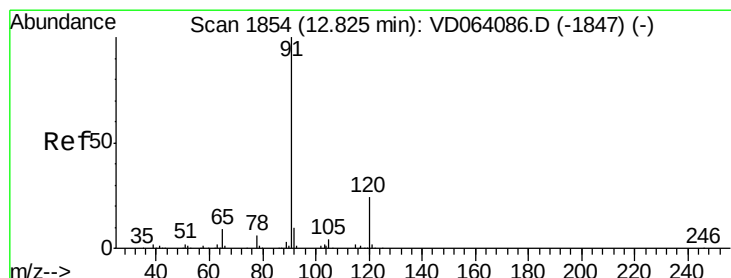
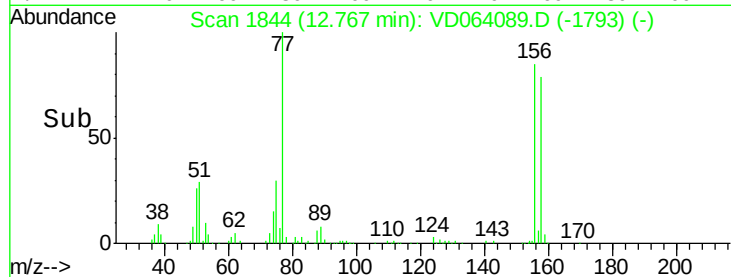
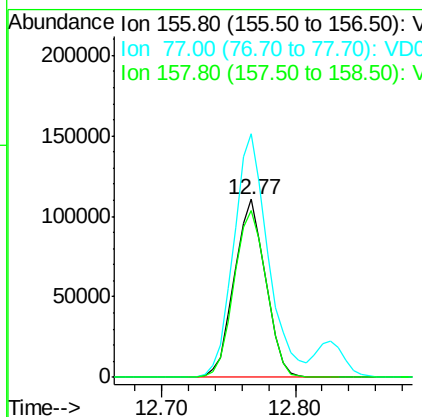
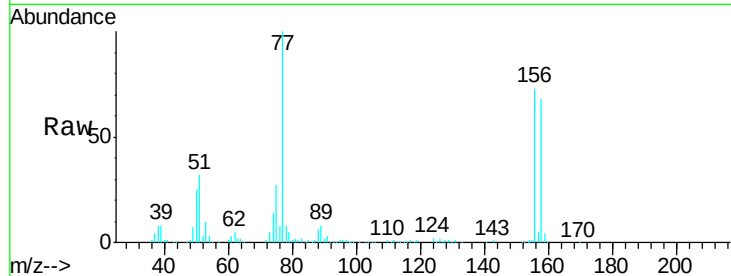
ClientSampleId :

ICVVD102919

Tgt Ion:	156	Resp:	180568
Ion Ratio	Lower	Upper	
156	100		
77	150.8	76.0	228.0
158	96.2	47.6	142.8

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#78

n-propylbenzene

Concen: 54.873 ug/l

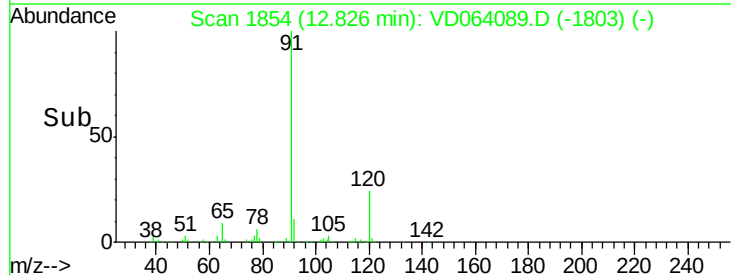
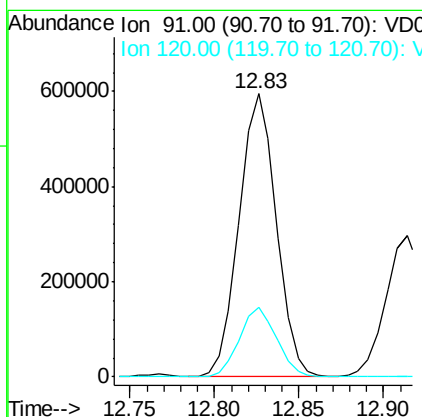
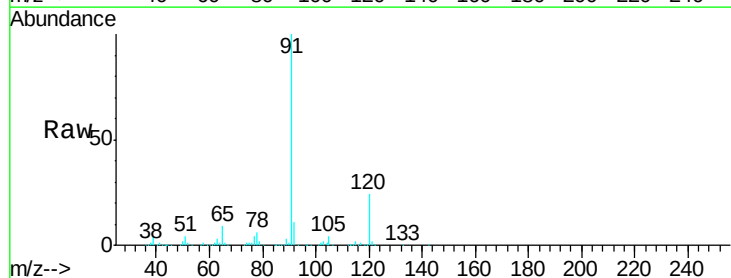
RT: 12.83 min Scan# 1854

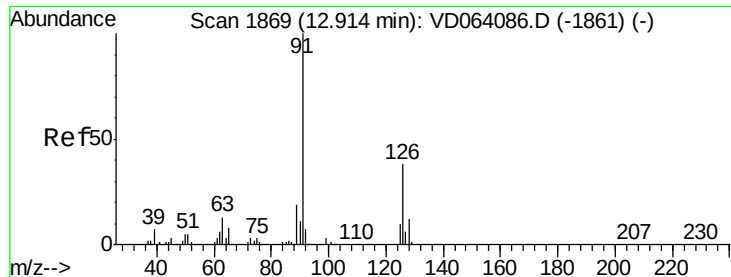
Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	91	Resp:	914242
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.1	36.3





#79

2-Chlorotoluene

Concen: 54.039 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion: 91 Resp: 482634

Ion Ratio Lower Upper

91 100

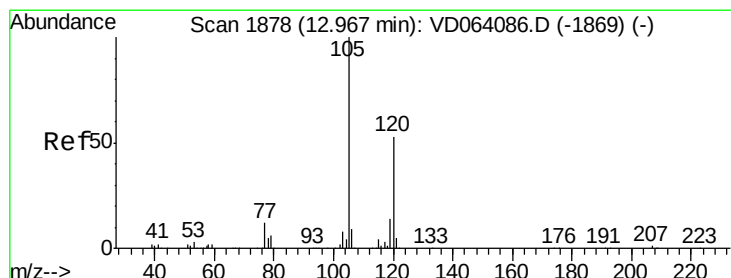
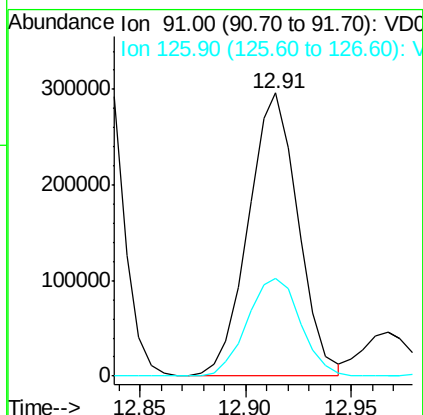
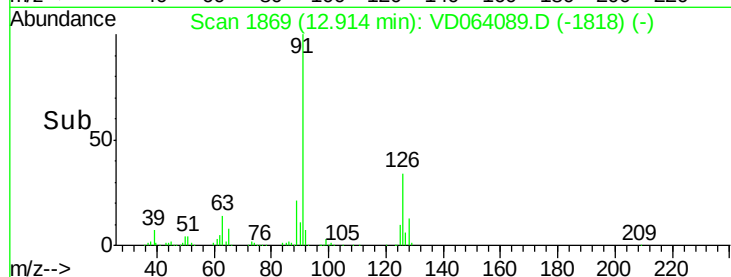
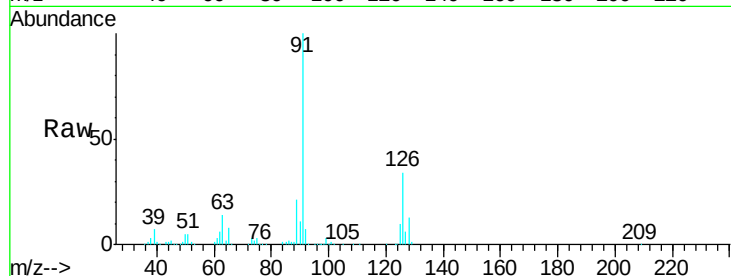
126 37.2 19.1 57.1

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



#80

1,3,5-Trimethylbenzene

Concen: 54.187 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064089.D

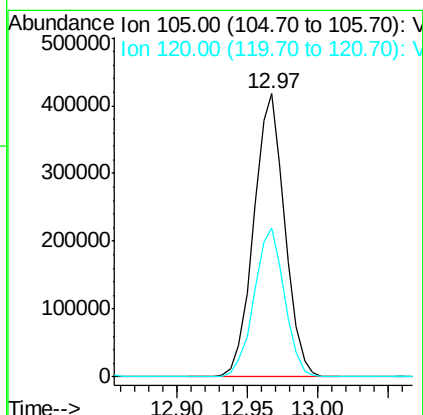
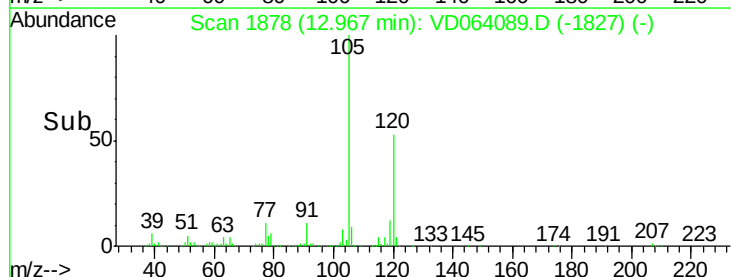
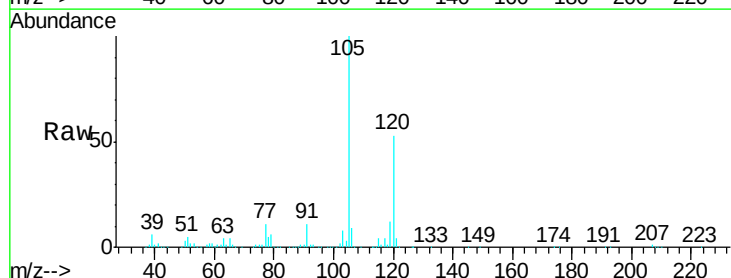
Acq: 29 Oct 2019 15:09

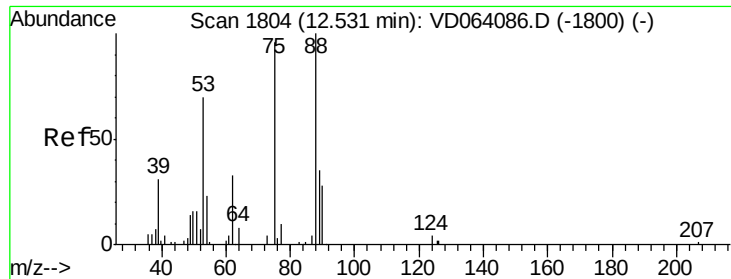
Tgt Ion: 105 Resp: 644765

Ion Ratio Lower Upper

105 100

120 51.5 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.696 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

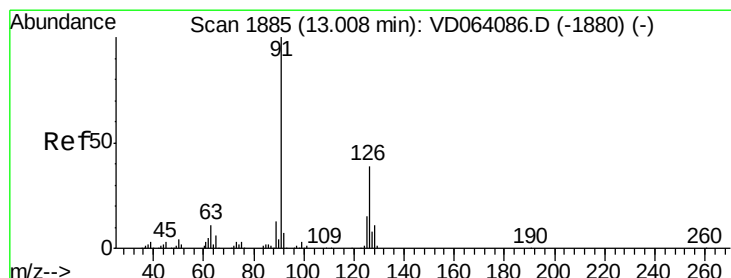
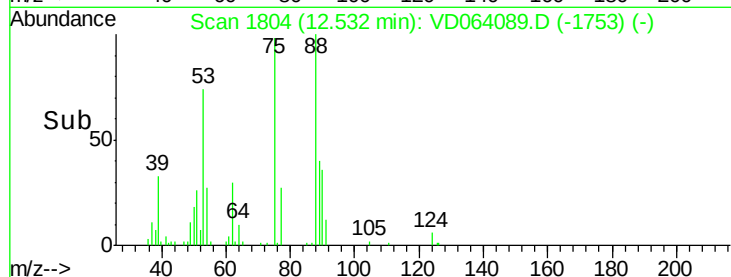
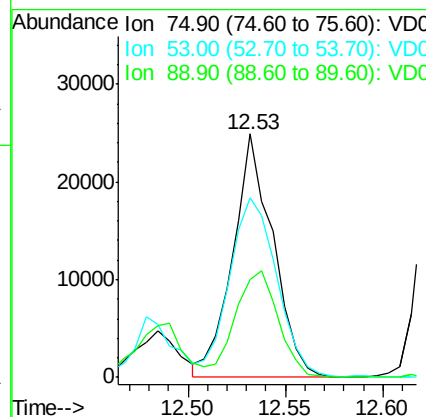
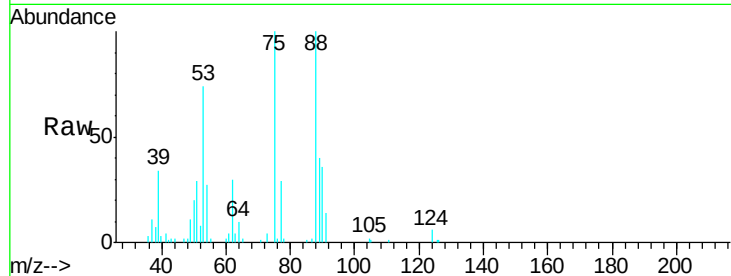
ClientSampleId :

ICVVD102919

Tgt Ion:	75	Resp:	35473
Ion	Ratio	Lower	Upper
75	100		
53	87.6	68.6	103.0
89	46.9	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#82

4-Chlorotoluene

Concen: 53.860 ug/l

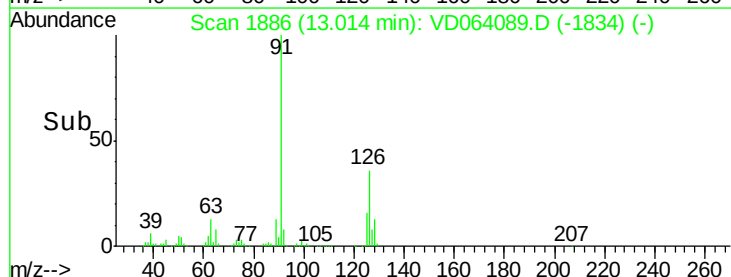
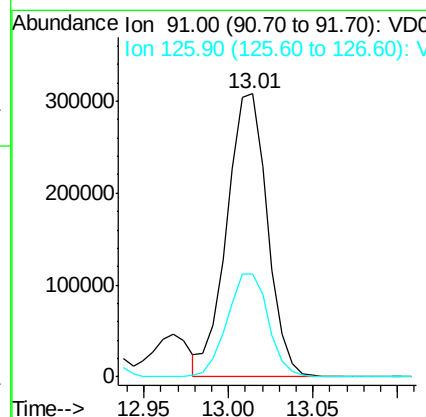
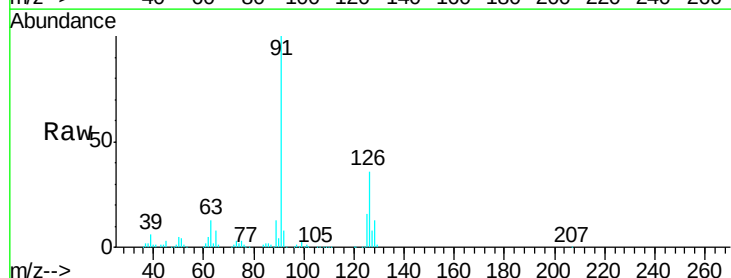
RT: 13.01 min Scan# 1886

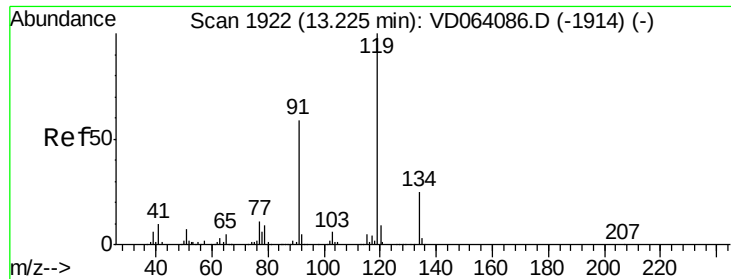
Delta R.T. 0.01 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Tgt Ion:	91	Resp:	514001
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.9	56.5





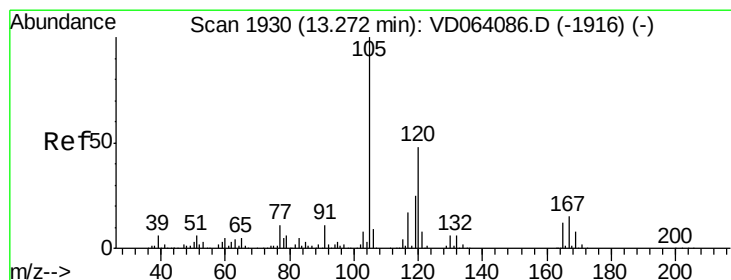
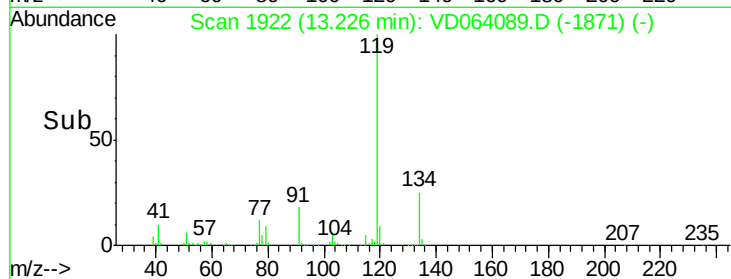
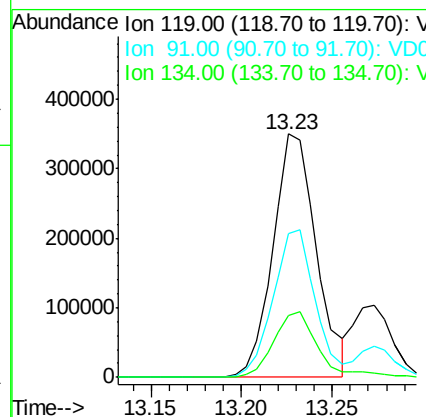
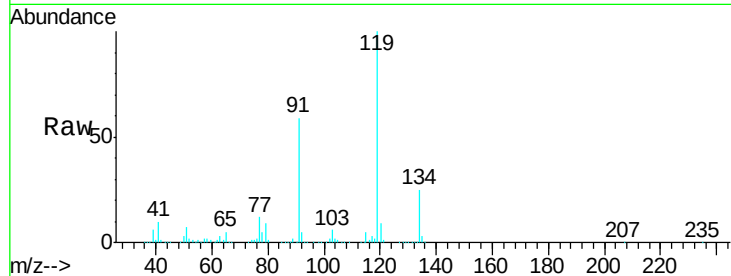
#83
 tert-Butylbenzene
 Concen: 54.723 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	584835		
91	58.6	28.3	85.0	
134	27.6	12.9	38.6	

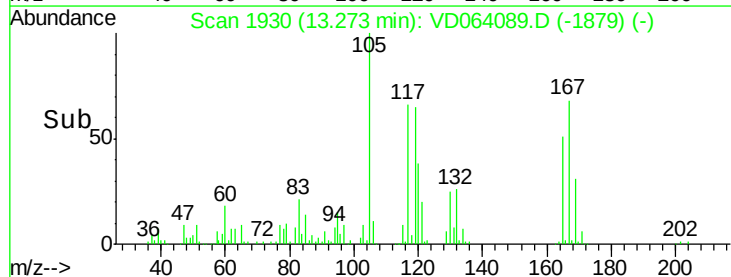
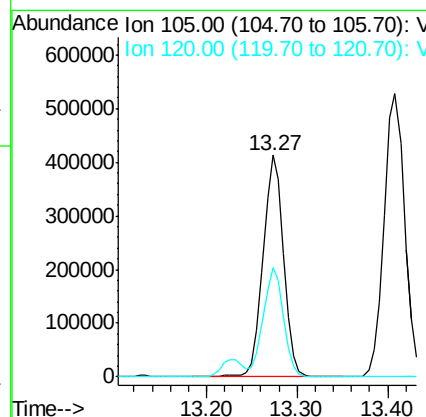
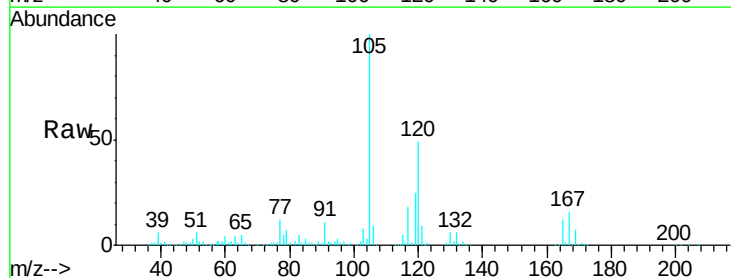
Manual Integrations
 APPROVED

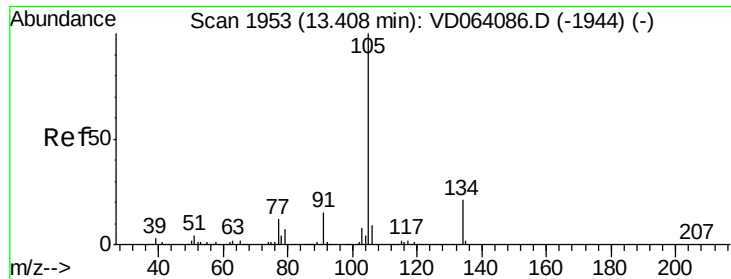
MMDadoda
 10/30/2019 10:58:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.271 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	648709		
120	49.0	24.1	72.4	





#85

sec-Butylbenzene

Concen: 56.416 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

ICVVD102919

Tgt Ion:105 Resp: 827988

Ion Ratio Lower Upper

105 100

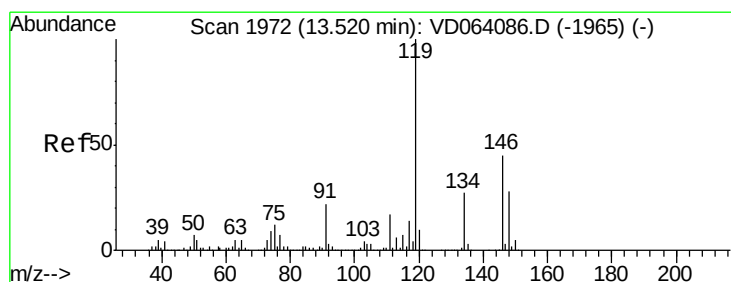
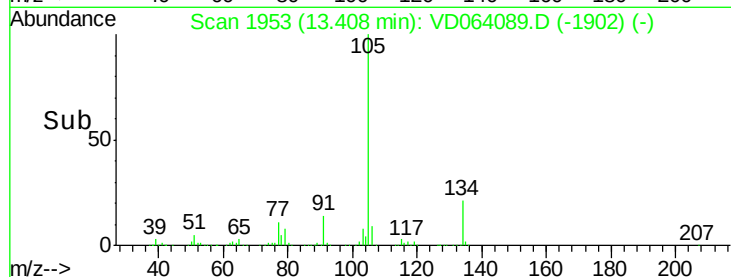
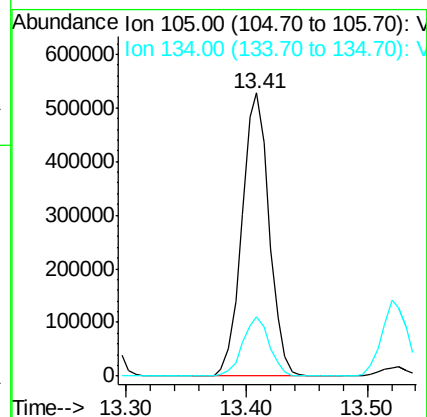
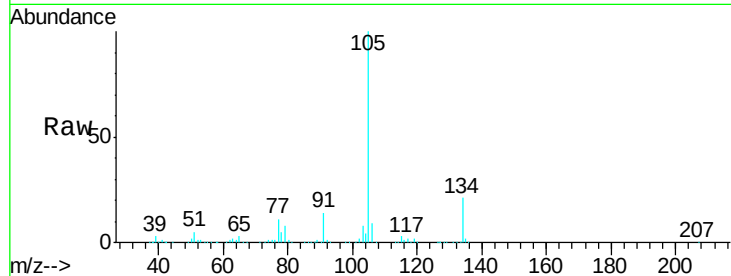
134 20.7 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

10/30/2019 10:58:32 AM



#86

p-Isopropyltoluene

Concen: 56.447 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064089.D

Acq: 29 Oct 2019 15:09

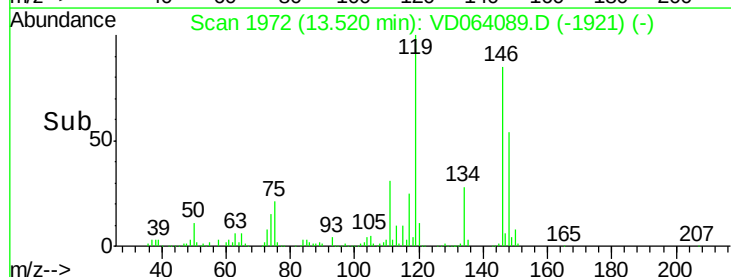
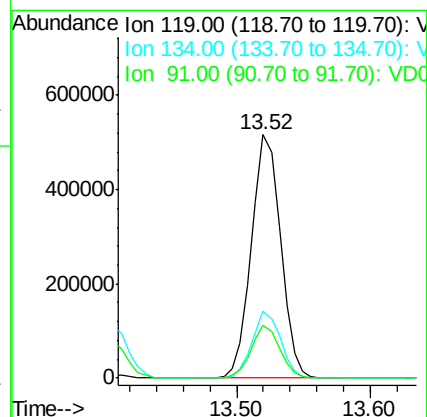
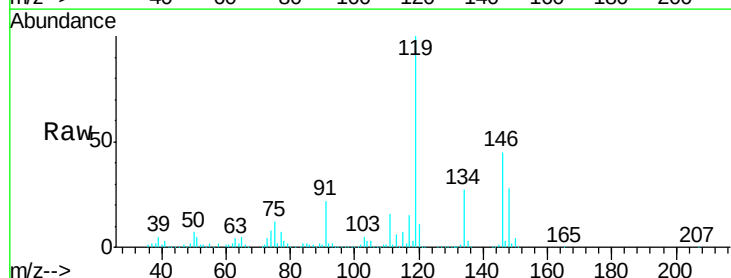
Tgt Ion:119 Resp: 778392

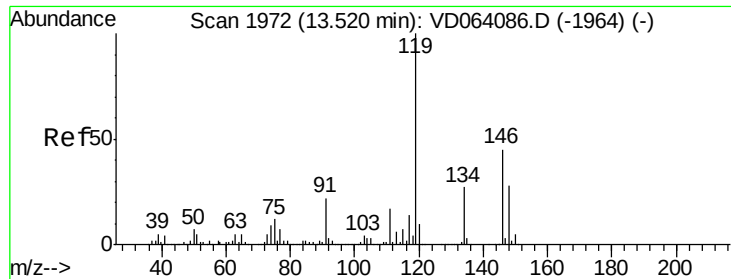
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 21.3 10.9 32.6





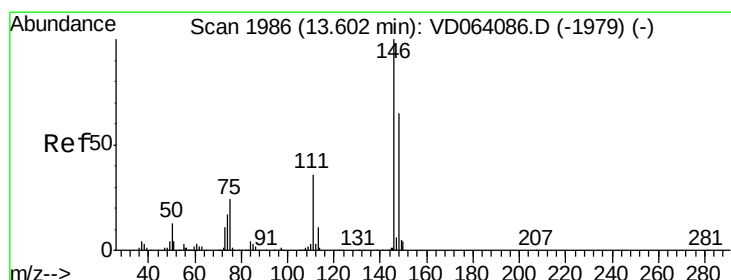
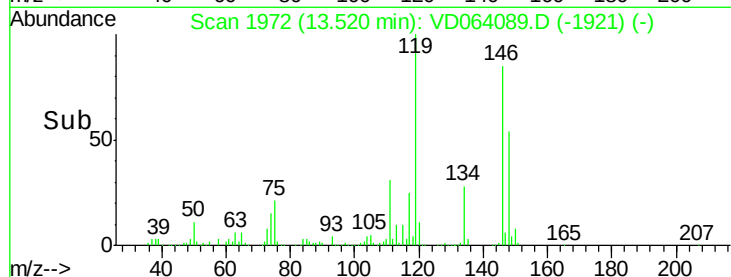
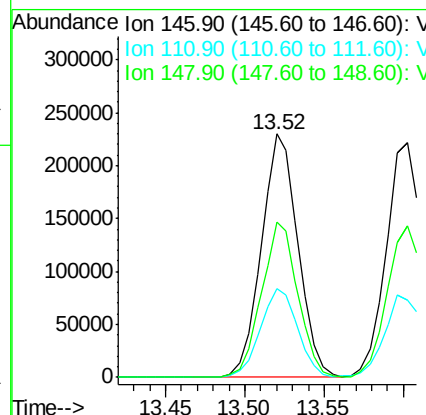
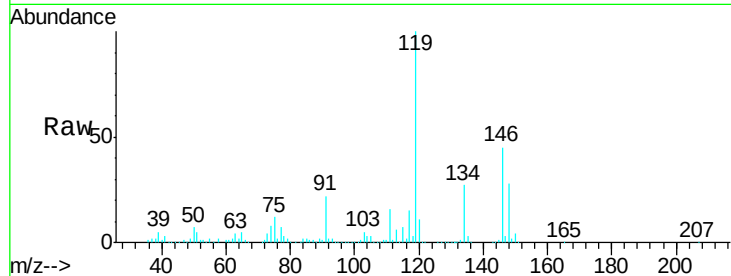
#87
 1,3-Dichlorobenzene
 Concen: 53.643 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	369010		
111	37.2	18.9	56.9	
148	63.1	32.1	96.3	

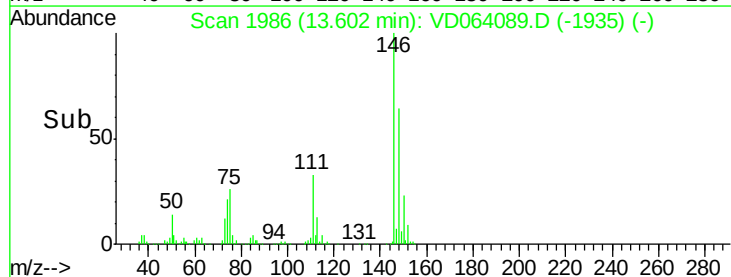
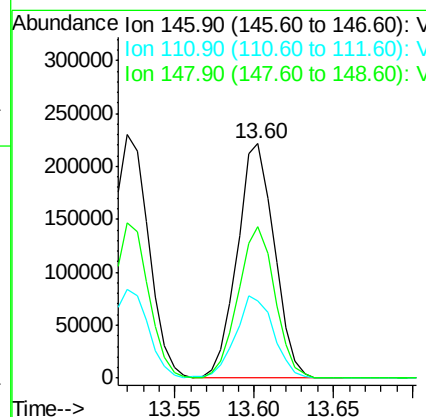
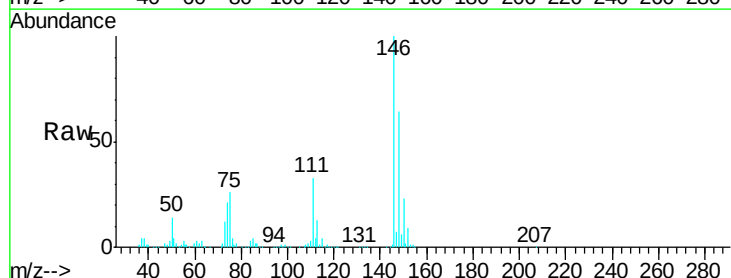
Manual Integrations
 APPROVED

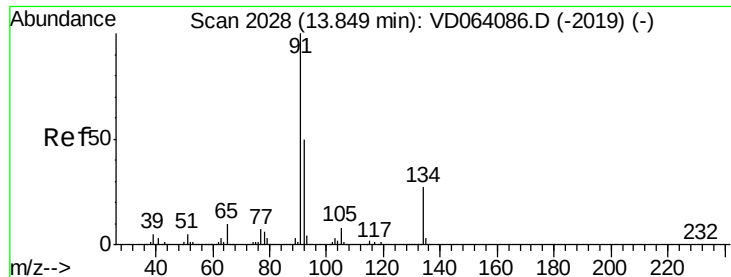
MMDadoda
 10/30/2019 10:58:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.120 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	360217		
111	35.9	18.4	55.4	
148	64.1	32.4	97.0	





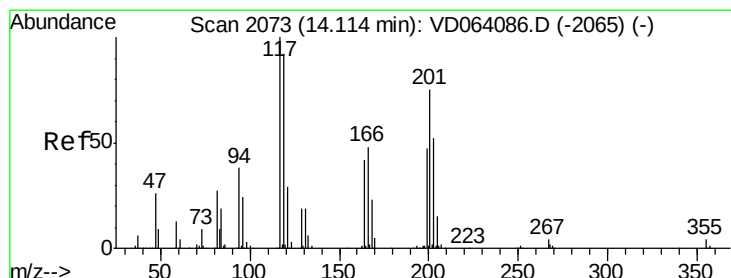
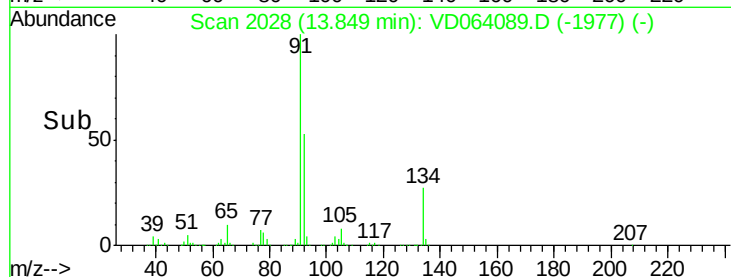
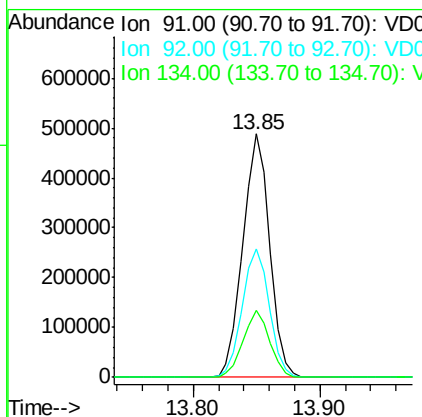
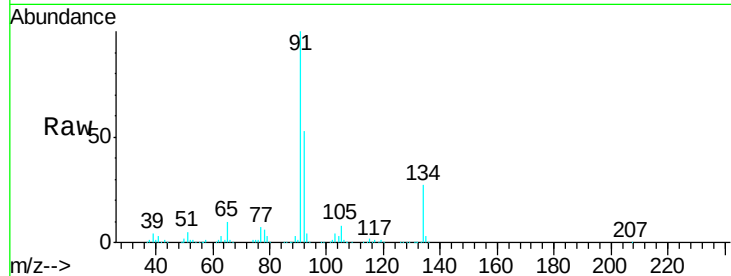
#89
n-Butylbenzene
Concen: 56.271 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.6	76.6
134	27.5	14.0	42.0

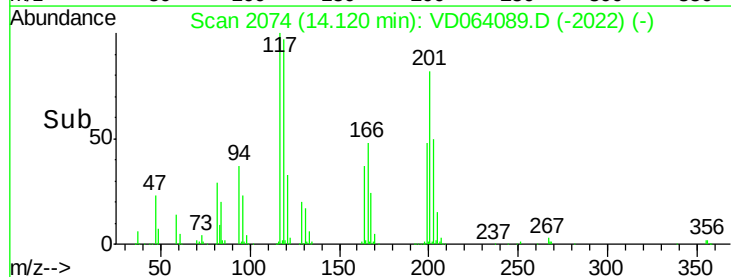
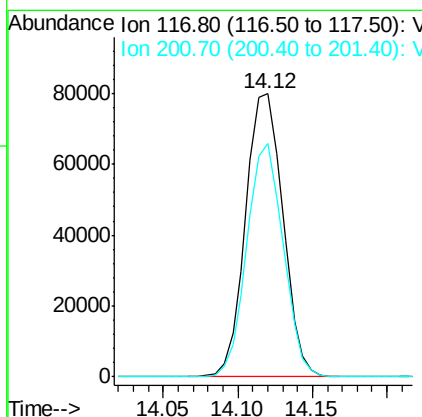
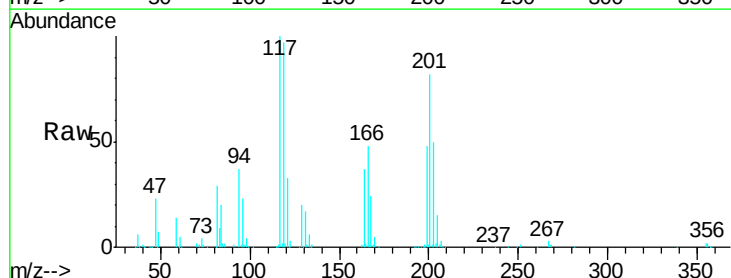
Manual Integrations
APPROVED

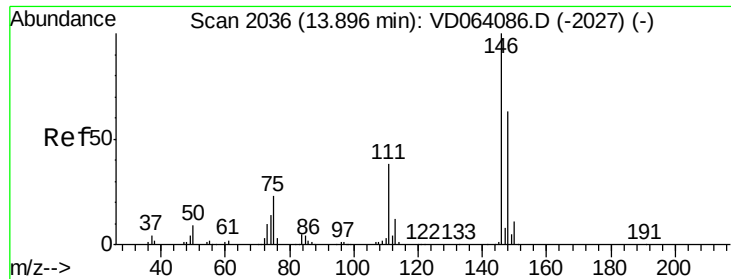
MMDadoda
10/30/2019 10:58:32 AM



#90
Hexachloroethane
Concen: 53.731 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	38.4	115.2





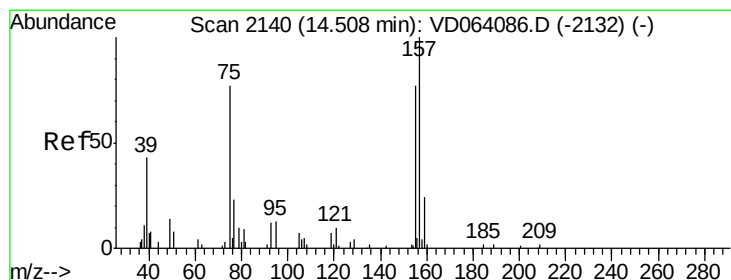
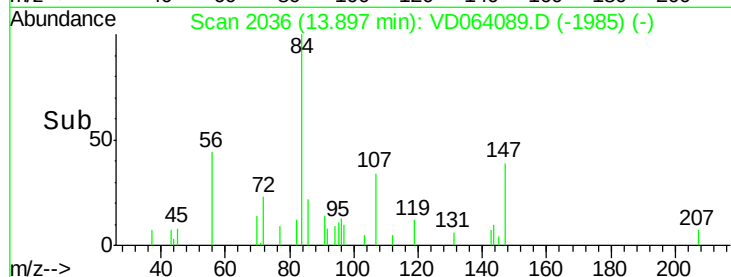
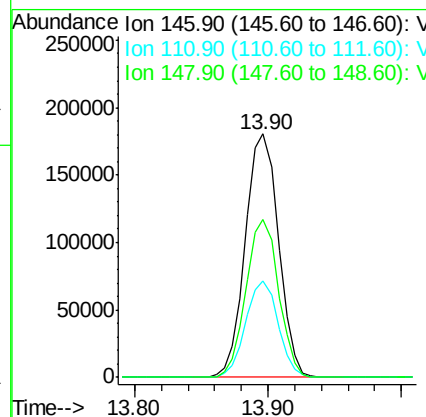
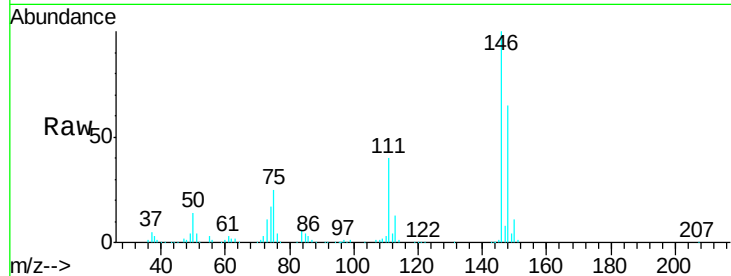
#91
 1,2-Dichlorobenzene
 Concen: 52.498 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	310798		
111	38.8	19.1	57.1	
148	63.6	32.1	96.5	

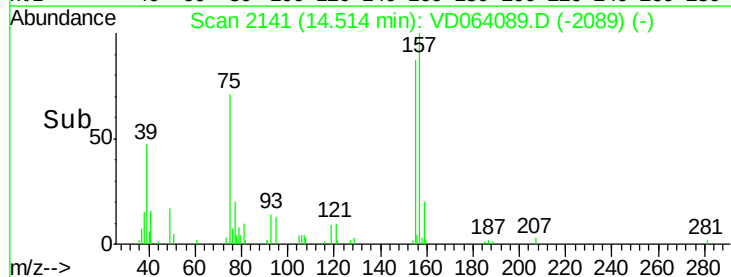
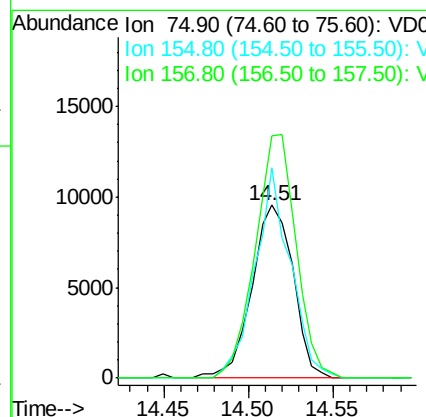
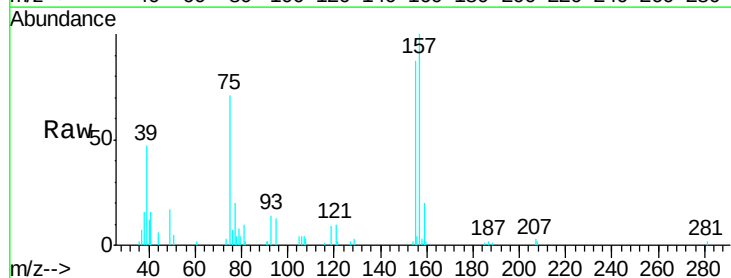
Manual Integrations
 APPROVED

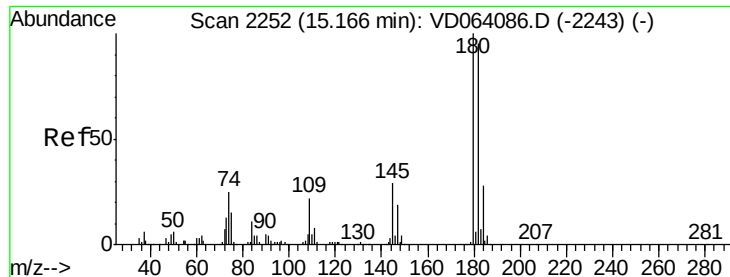
MMDadoda
 10/30/2019 10:58:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.563 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16221		
155	104.4	56.3	168.9	
157	139.6	72.2	216.6	





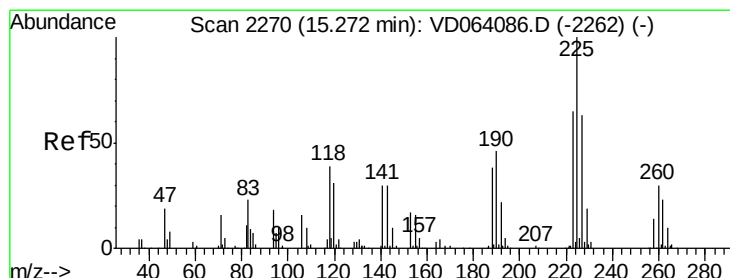
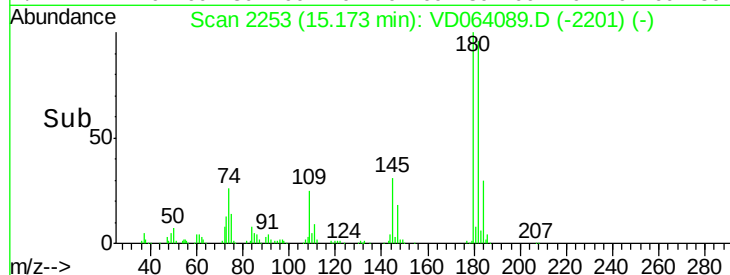
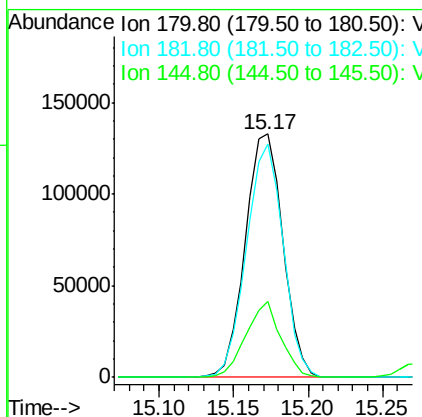
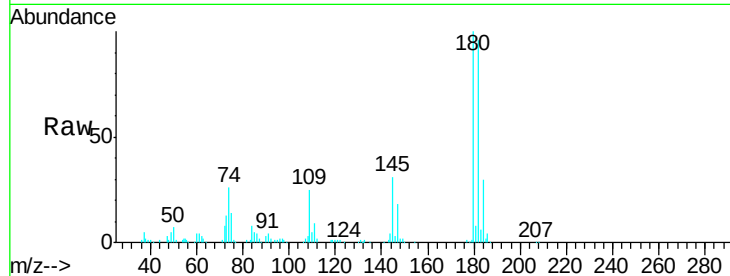
#93
 1,2,4-Trichlorobenzene
 Concen: 54.507 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	231954		
182	93.4	46.9	140.7	
145	28.8	14.2	42.6	

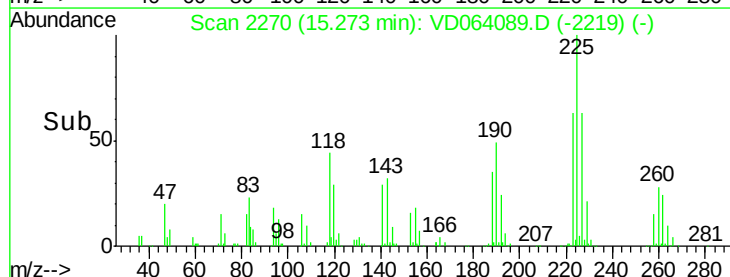
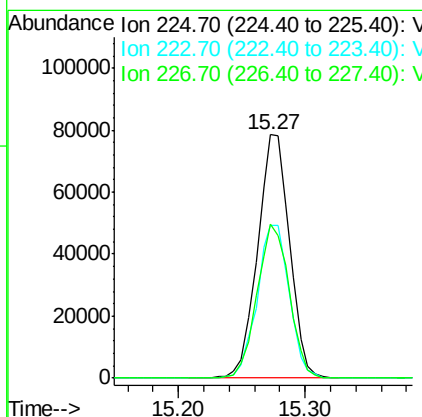
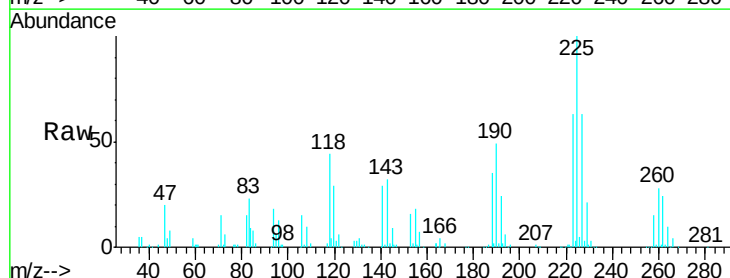
Manual Integrations
 APPROVED

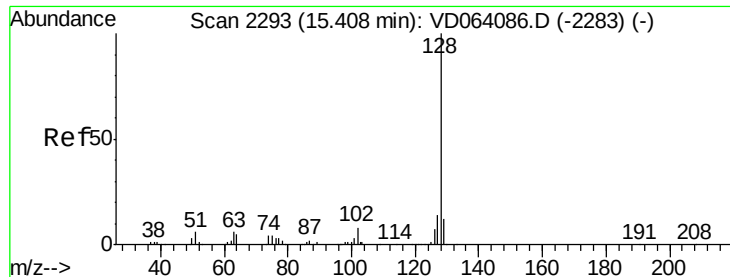
MMDadoda
 10/30/2019 10:58:32 AM



#94
 Hexachlorobutadiene
 Concen: 55.530 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064089.D
 Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138110		
223	63.2	30.8	92.3	
227	63.3	31.7	95.1	





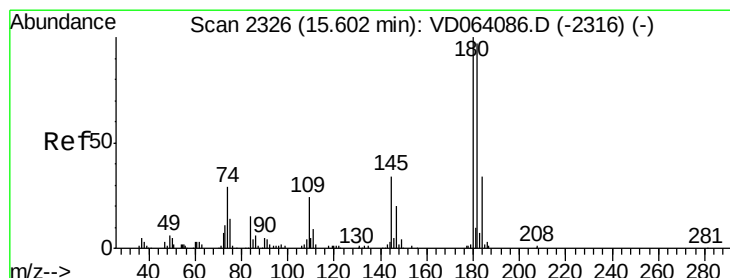
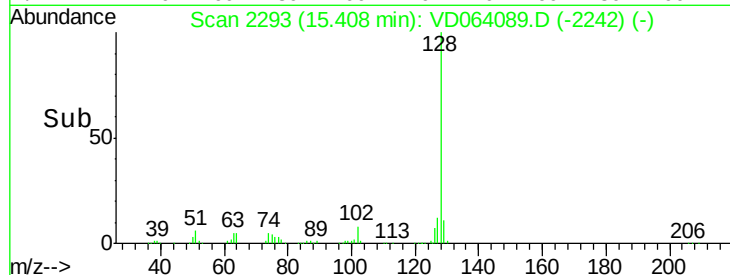
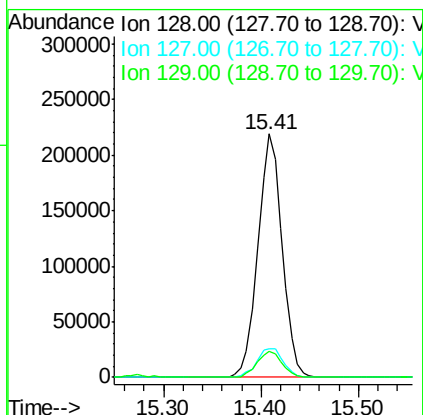
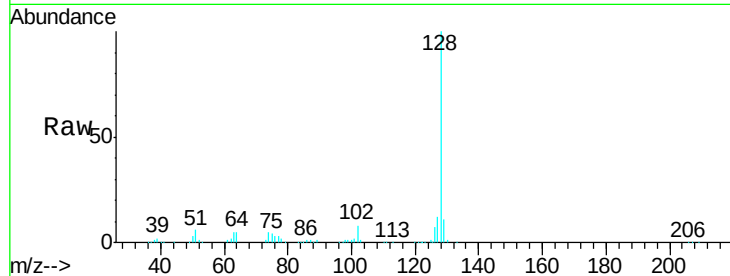
#95
Naphthalene
Concen: 54.856 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
ICVVD102919

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	380714		
127	13.1	10.9	16.3	
129	11.0	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
10/30/2019 10:58:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.850 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064089.D
Acq: 29 Oct 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	198492		
182	94.3	48.4	145.0	
145	30.0	16.4	49.4	

