

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063832.D
 Acq On : 25 Sep 2019 19:43
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD092519

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Sep 26 12:09:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min) 10/1/2019 9:26:22 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	256571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	400986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	391113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	129361	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.94	113	128761	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.36	98	530508	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	12.64	95	182726	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	105924	60.196	ug/l	95
3) Chloromethane	2.22	50	220021	50.021	ug/l	100
4) Vinyl Chloride	2.36	62	245566	45.124	ug/l	94
5) Bromomethane	2.78	94	156234	49.068	ug/l	93
6) Chloroethane	2.94	64	156049	49.684	ug/l	98
7) Trichlorofluoromethane	3.29	101	335186	45.812	ug/l	95
8) Diethyl Ether	3.73	74	55432	52.142	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	109256	50.338	ug/l	98
10) Methyl Iodide	4.31	142	150688	58.152	ug/l	98
11) Tert butyl alcohol	5.28	59	41363	248.595	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	106346	48.540	ug/l	90
13) Acrolein	3.95	56	57720	251.846	ug/l	98
14) Allyl chloride	4.73	41	164438	47.483	ug/l	97
15) Acrylonitrile	5.46	53	130257	247.148	ug/l	96
16) Acetone	4.19	43	121347	249.403	ug/l	95
17) Carbon Disulfide	4.43	76	367932	49.679	ug/l	96
18) Methyl Acetate	4.75	43	58782	50.104	ug/l	93
19) Methyl tert-butyl Ether	5.51	73	272904	49.752	ug/l	92
20) Methylene Chloride	4.99	84	137378	51.924	ug/l	96
21) trans-1,2-Dichloroethene	5.49	96	130730	51.263	ug/l	93
22) Diisopropyl ether	6.39	45	341319	47.720	ug/l	98
23) Vinyl Acetate	6.34	43	1032550	244.070	ug/l	99
24) 1,1-Dichloroethane	6.29	63	215676	49.633	ug/l	97
25) 2-Butanone	7.25	43	163740	230.959	ug/l	95
26) 2,2-Dichloropropane	7.24	77	191208	47.050	ug/l	99
27) cis-1,2-Dichloroethene	7.23	96	144801	50.602	ug/l	98
28) Bromochloromethane	7.57	49	84560	49.591	ug/l	92
29) Tetrahydrofuran	7.60	42	100451	236.467	ug/l	98
30) Chloroform	7.73	83	230824	48.905	ug/l	94
31) Cyclohexane	8.00	56	192463	51.501	ug/l	97
32) 1,1,1-Trichloroethane	7.92	97	212325	49.750	ug/l	95
36) 1,1-Dichloropropene	8.13	75	176943	48.377	ug/l	98
37) Ethyl Acetate	7.32	43	70955	52.143	ug/l	97
38) Carbon Tetrachloride	8.11	117	187462	49.243	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 12:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	10/1/2019 9:26:22 AM
39) Methylcyclohexane	9.37	83	223423	49.058	ug/l	100	
40) Benzene	8.37	78	499846	49.622	ug/l	99	
41) Methacrylonitrile	7.56	41	34523	42.730	ug/l #	86	
42) 1,2-Dichloroethane	8.45	62	147308	50.010	ug/l	100	
43) Isopropyl Acetate	8.47	43	146540	47.852	ug/l	99	
44) Trichloroethene	9.13	130	148036	50.747	ug/l	90	
45) 1,2-Dichloropropane	9.41	63	124192	49.911	ug/l	98	
46) Dibromomethane	9.49	93	70267	50.033	ug/l	98	
47) Bromodichloromethane	9.68	83	185042	51.111	ug/l	94	
48) Methyl methacrylate	9.48	41	66639	47.844	ug/l	96	
49) 1,4-Dioxane	9.48	88	19404	990.389	ug/l	96	
51) 4-Methyl-2-Pentanone	10.25	43	366218	237.380	ug/l	96	
52) Toluene	10.42	92	341032	49.931	ug/l	98	
53) t-1,3-Dichloropropene	10.64	75	183971	51.265	ug/l	100	
54) cis-1,3-Dichloropropene	10.11	75	211263	51.862	ug/l	96	
55) 1,1,2-Trichloroethane	10.82	97	99129	49.952	ug/l	95	
56) Ethyl methacrylate	10.67	69	125184	49.632	ug/l	99	
57) 1,3-Dichloropropane	10.96	76	166559	49.397	ug/l	99	
58) 2-Chloroethyl Vinyl ether	9.96	63	262350	232.718	ug/l	97	
59) 2-Hexanone	11.00	43	260131	236.320	ug/l	100	
60) Dibromochloromethane	11.16	129	134688	51.430	ug/l	99	
61) 1,2-Dibromoethane	11.26	107	100933	50.877	ug/l	100	
64) Tetrachloroethene	10.89	164	133054	50.503	ug/l	95	
65) Chlorobenzene	11.68	112	392830	49.931	ug/l	95	
66) 1,1,1,2-Tetrachloroethane	11.76	131	143206	49.529	ug/l	98	
67) Ethyl Benzene	11.76	91	696651	49.021	ug/l	98	
68) m/p-Xylenes	11.87	106	544181	99.716	ug/l	98	
69) o-Xylene	12.19	106	257545	50.000	ug/l	99	
70) Styrene	12.21	104	445189	51.068	ug/l	99	
71) Bromoform	12.37	173	83561	52.024	ug/l #	98	
73) Isopropylbenzene	12.49	105	694924	49.442	ug/l	99	
74) N-amyl acetate	12.30	43	145423	47.265	ug/l	98	
75) 1,1,2,2-Tetrachloroethane	12.74	83	111590	47.632	ug/l	99	
76) 1,2,3-Trichloropropane	12.80	75	88939m	57.001	ug/l		
77) Bromobenzene	12.77	156	173481	51.359	ug/l	98	
78) n-propylbenzene	12.83	91	817974	49.467	ug/l	98	
79) 2-Chlorotoluene	12.92	91	437071	49.004	ug/l	97	
80) 1,3,5-Trimethylbenzene	12.97	105	587345	50.128	ug/l	98	
81) trans-1,4-Dichloro-2-buten	12.54	75	38299	49.021	ug/l	96	
82) 4-Chlorotoluene	13.01	91	465275	48.902	ug/l	99	
83) tert-Butylbenzene	13.24	119	522932	51.079	ug/l	98	
84) 1,2,4-Trimethylbenzene	13.28	105	597388	50.222	ug/l	98	
85) sec-Butylbenzene	13.41	105	716556	50.300	ug/l	98	
86) p-Isopropyltoluene	13.53	119	670736	50.133	ug/l	99	
87) 1,3-Dichlorobenzene	13.53	146	337821	50.938	ug/l	99	
88) 1,4-Dichlorobenzene	13.61	146	337748	51.206	ug/l	96	
89) n-Butylbenzene	13.86	91	626588	49.208	ug/l	99	
90) Hexachloroethane	14.13	117	122215	49.317	ug/l	93	
91) 1,2-Dichlorobenzene	13.90	146	292198	51.363	ug/l	99	
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19026	48.132	ug/l	97	

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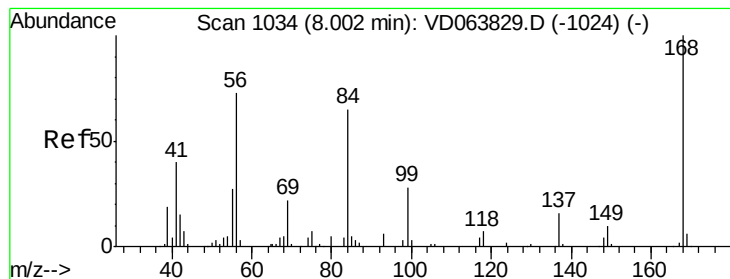
Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	10/1/2019 9:26:22 AM
93) 1,2,4-Trichlorobenzene	15.17	180	228262	52.837	ug/l	98	
94) Hexachlorobutadiene	15.28	225	128325	52.425	ug/l	96	
95) Naphthalene	15.41	128	401042	51.694	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.61	180	194182	50.699	ug/l	95	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tot Ion: 168 Resp: 256571

Ion Ratio Lower Upper

168 100

99 53.2 41.2 61.8

Instrument :

MSVOA_D

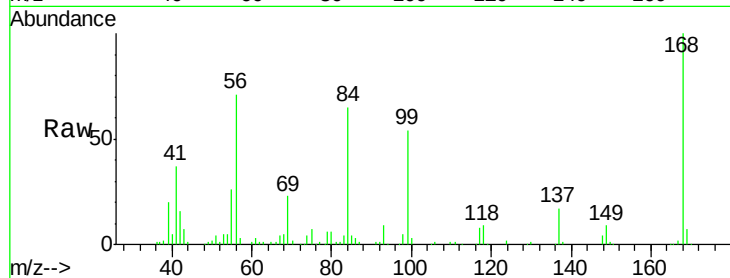
ClientSampleId :

ICVVD092519

Manual Integrations

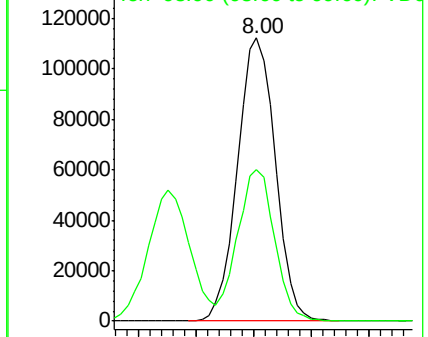
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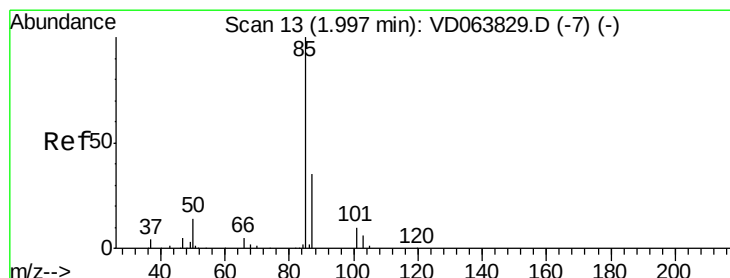
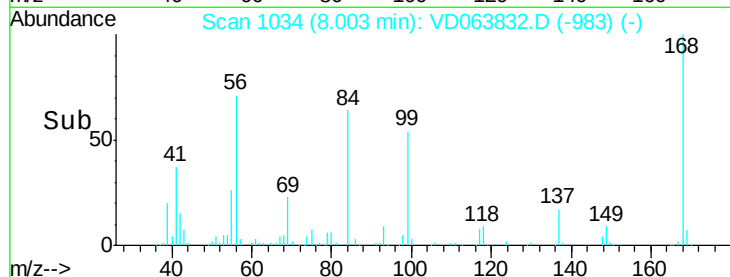


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



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#2

Dichlorodifluoromethane

Concen: 60.196 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063832.D

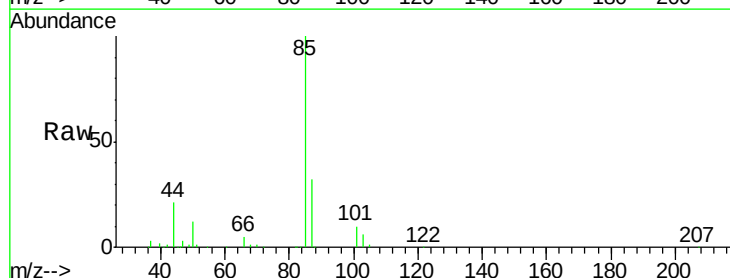
Acq: 25 Sep 2019 19:43

Tgt Ion: 85 Resp: 105924

Ion Ratio Lower Upper

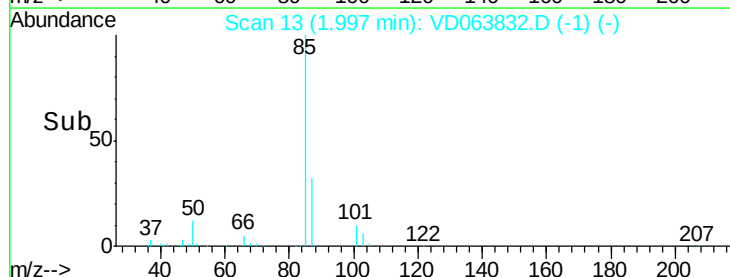
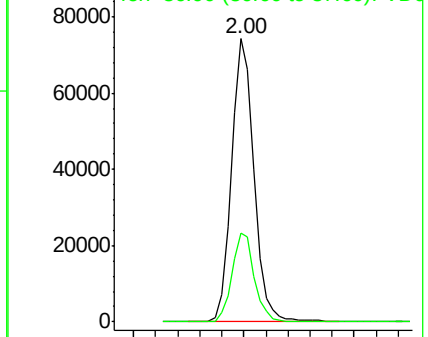
85 100

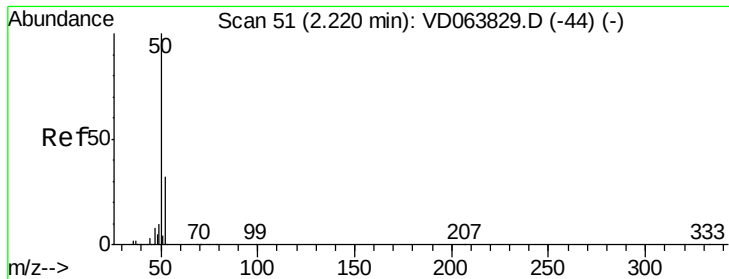
87 31.5 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.021 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.6	38.4

Instrument :

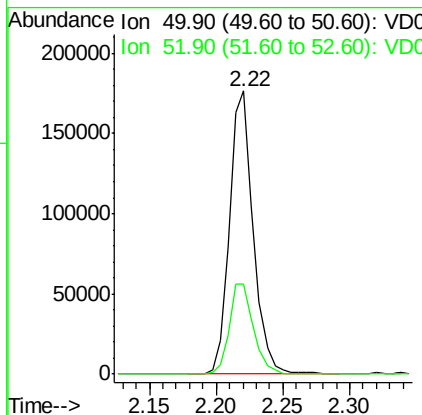
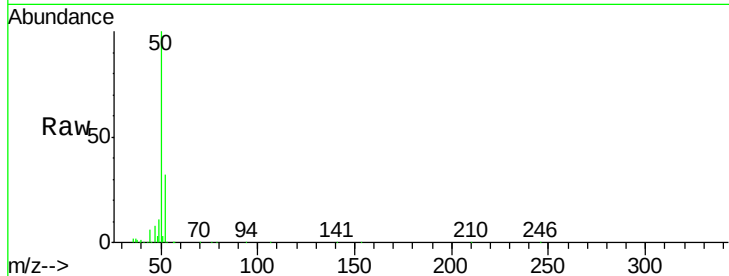
MSVOA_D

ClientSampleId :

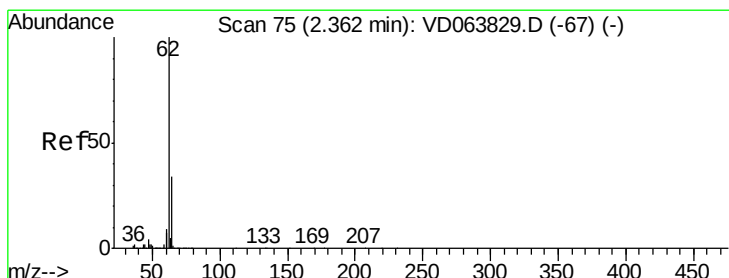
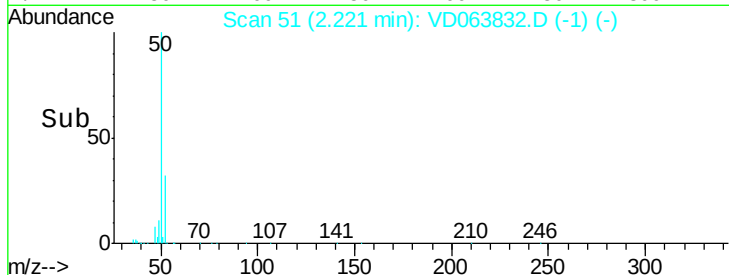
ICVVD092519

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#4

Vinyl Chloride

Concen: 45.124 ug/l

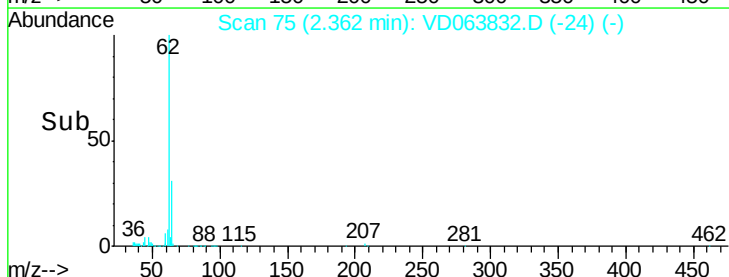
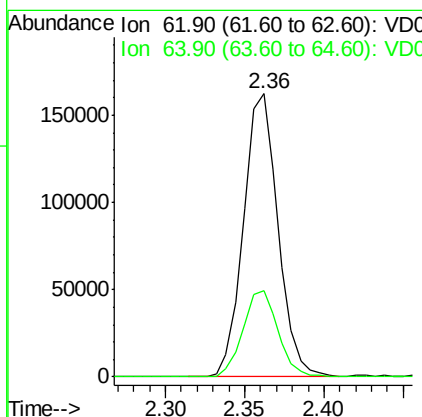
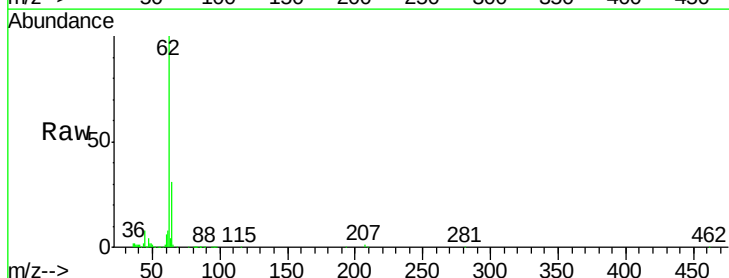
RT: 2.36 min Scan# 75

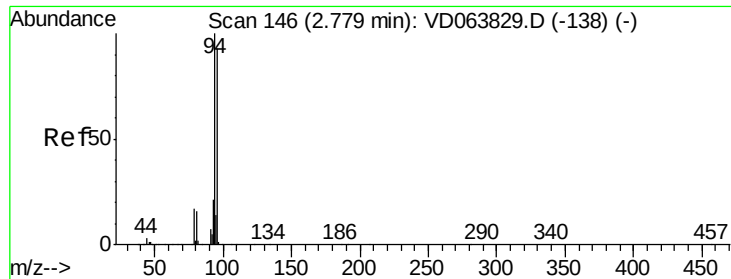
Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.6	27.1	40.7





#5

Bromomethane

Concen: 49.068 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD092519

Tot Ion: 94 Resp: 156234

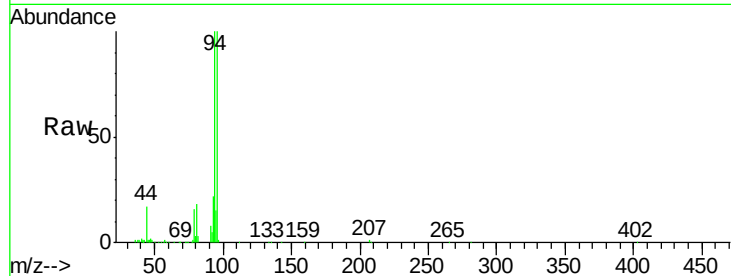
Ion Ratio Lower Upper

94 100

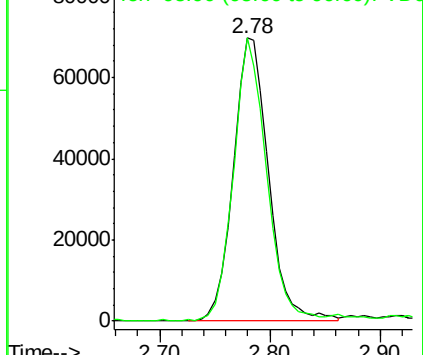
96 99.5 74.2 111.2

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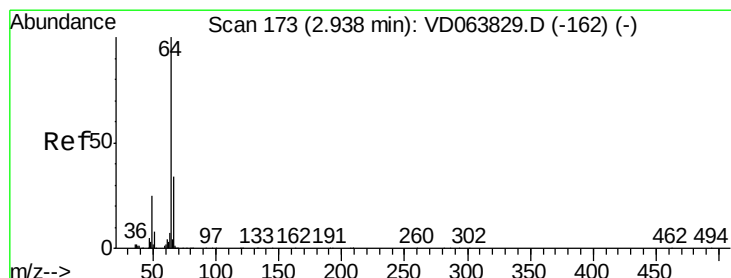
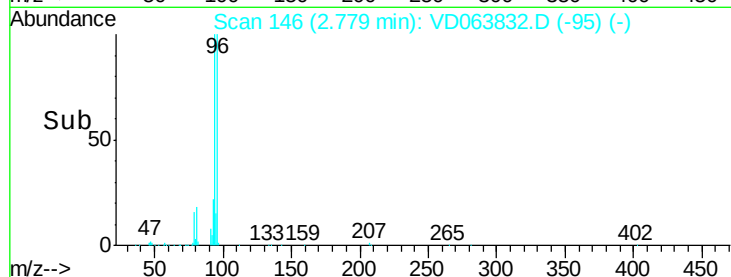
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



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#6

Chloroethane

Concen: 49.684 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063832.D

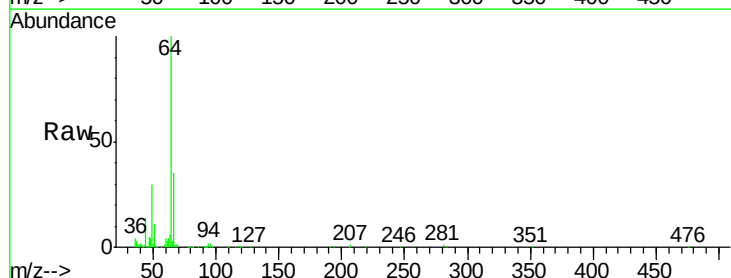
Acq: 25 Sep 2019 19:43

Tgt Ion: 64 Resp: 156049

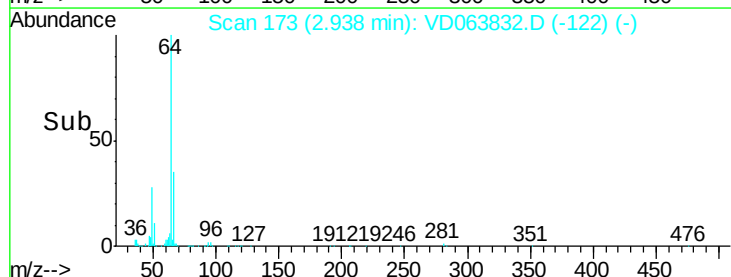
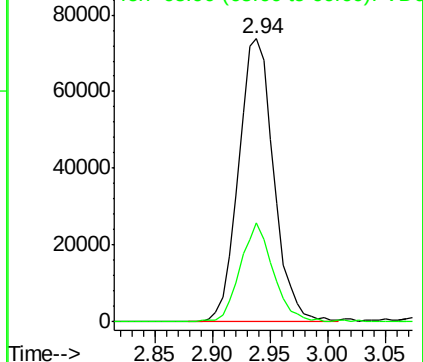
Ion Ratio Lower Upper

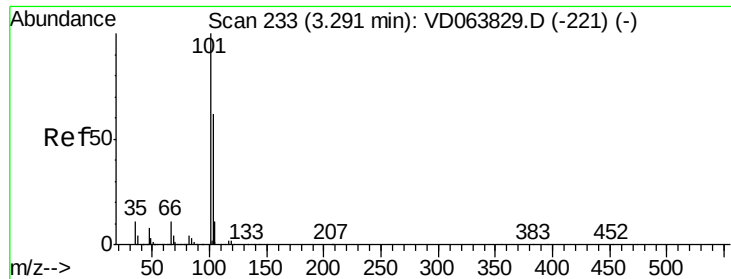
64 100

66 34.9 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

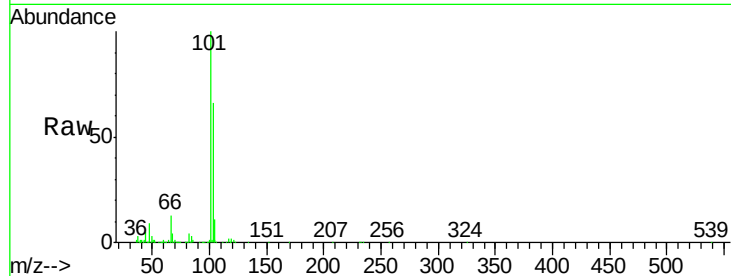
Trichlorofluoromethane
Concen: 45.812 ug/l
RT: 3.29 min Scan# 232
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
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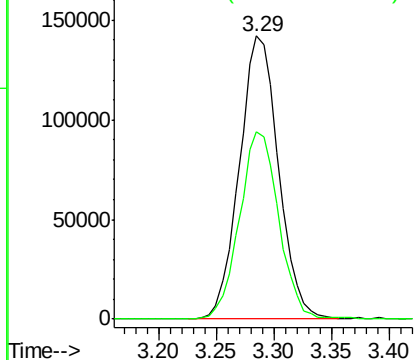
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	49.8	74.8

Manual Integrations
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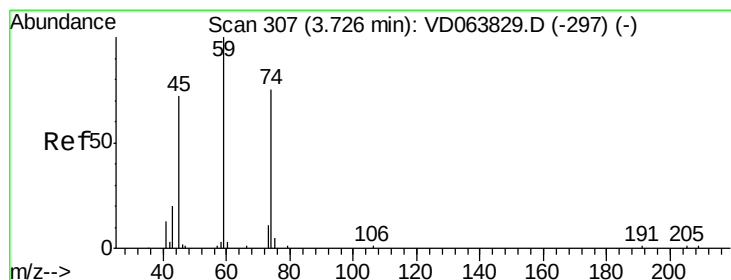
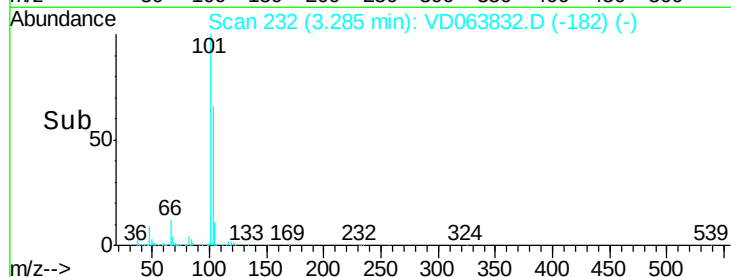
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



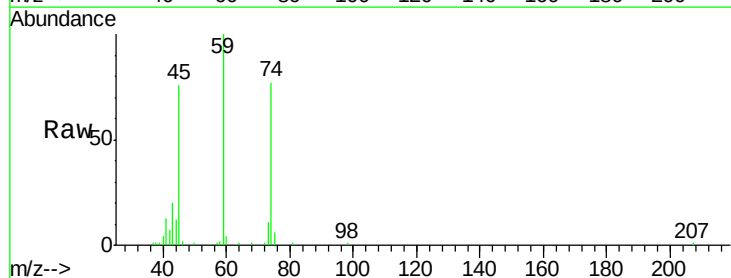
10/1/2019 9:26:22 AM



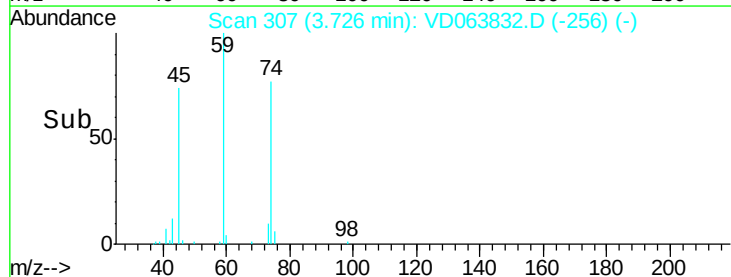
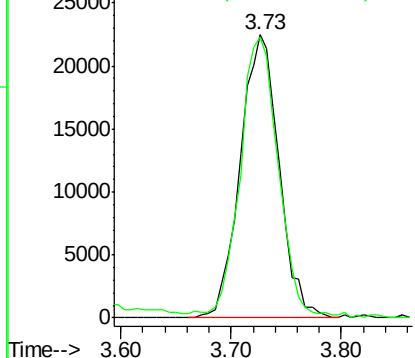
#8

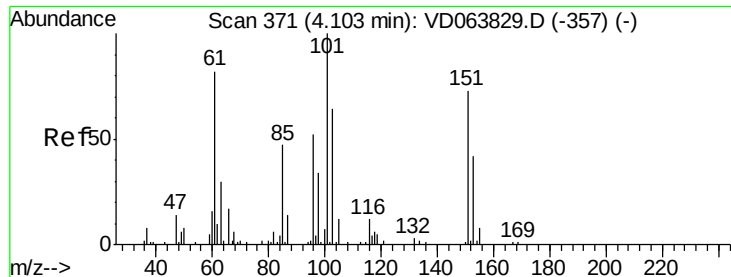
Diethyl Ether
Concen: 52.142 ug/l
RT: 3.73 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.9	146.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.338 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

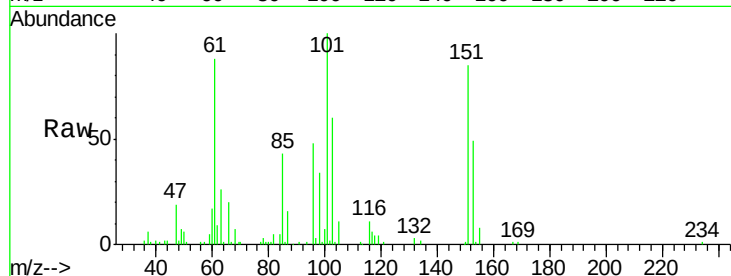
ClientSampleId :

ICVVD092519

Tot Ion:	101	Resp:	109256
Ion Ratio	Lower	Upper	
101	100		
85	45.0	37.8	56.6
151	81.2	64.2	96.2

Manual Integrations
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MMDadoda

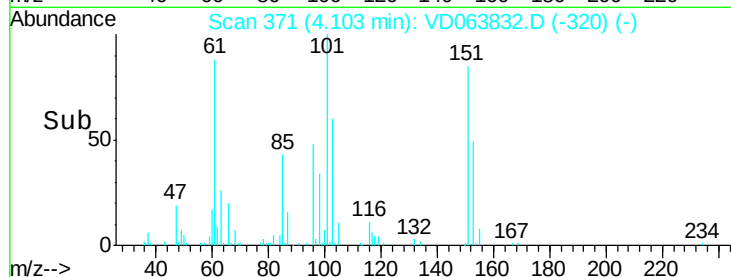


Abundance Ion 100.90 (100.60 to 101.60): V

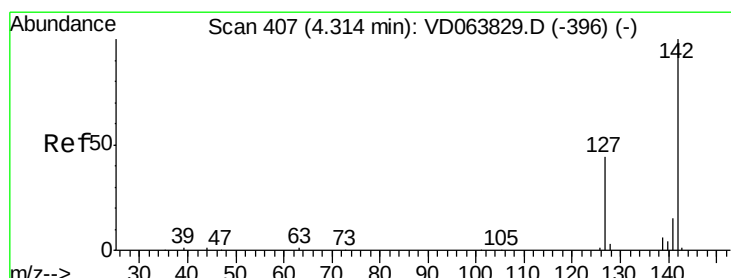
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 58.152 ug/l

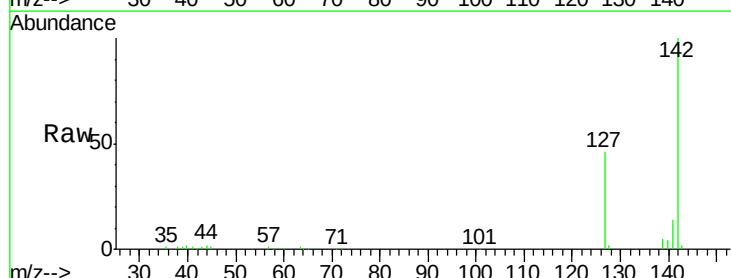
RT: 4.31 min Scan# 407

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion:	142	Resp:	150688
Ion Ratio	Lower	Upper	
142	100		
127	46.4	35.8	53.6
141	15.2	11.9	17.9

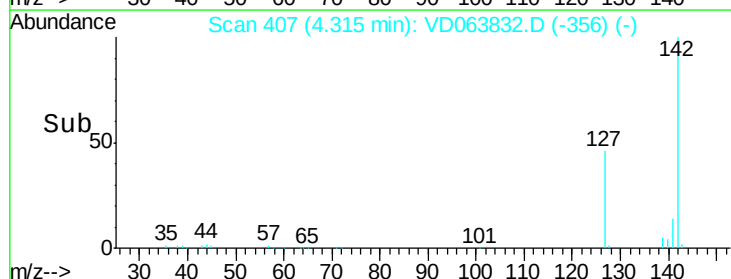


Abundance Ion 141.80 (141.50 to 142.50): V

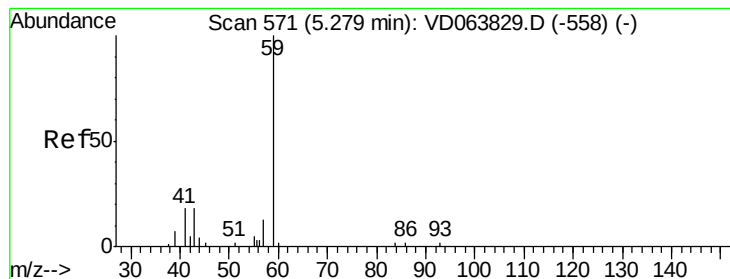
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->



Time-->



#11

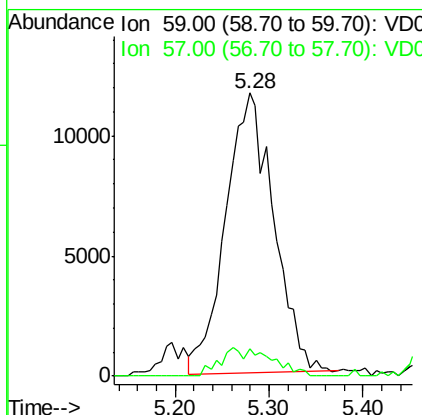
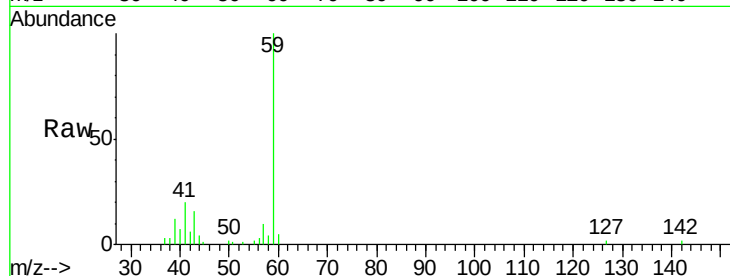
Tert butyl alcohol
 Concen: 248.595 ug/l
 RT: 5.28 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

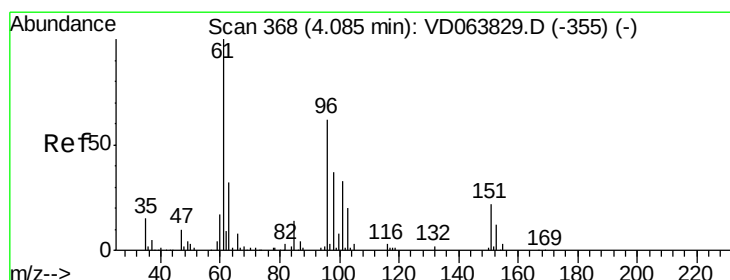
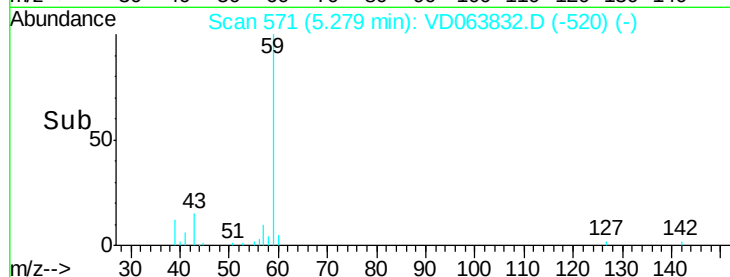
Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.3	12.5#

Manual Integrations
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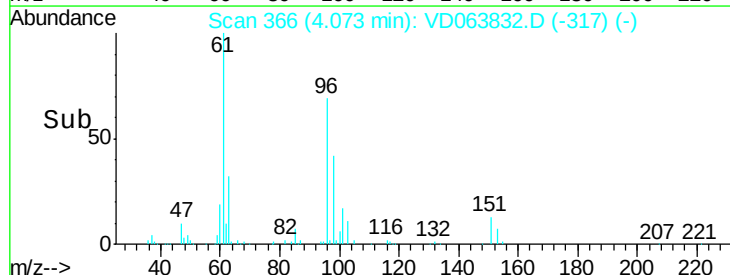
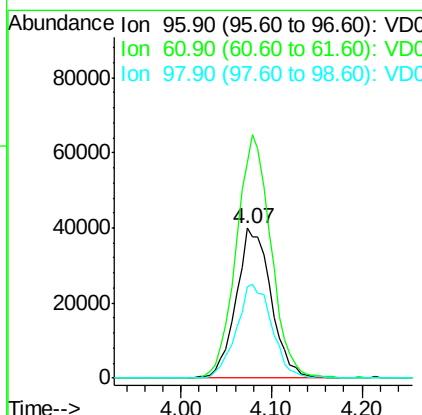
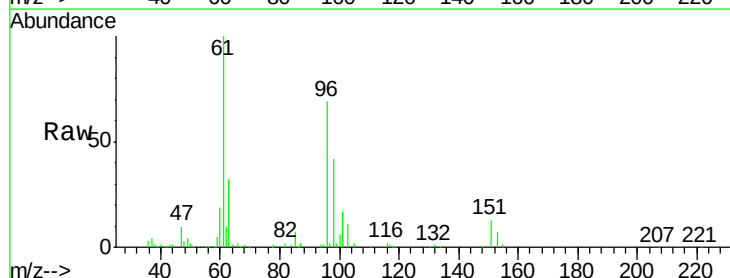
10/1/2019 9:26:22 AM

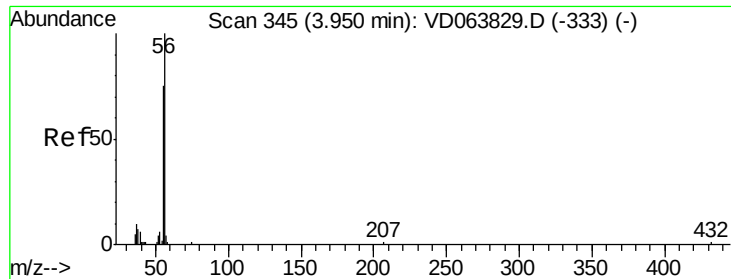


#12

1,1-Dichloroethene
 Concen: 48.540 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	129.0	193.4
98	60.9	47.8	71.6





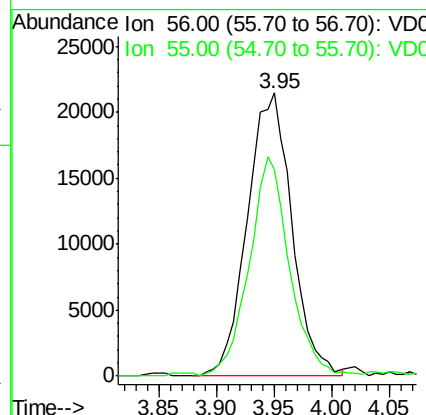
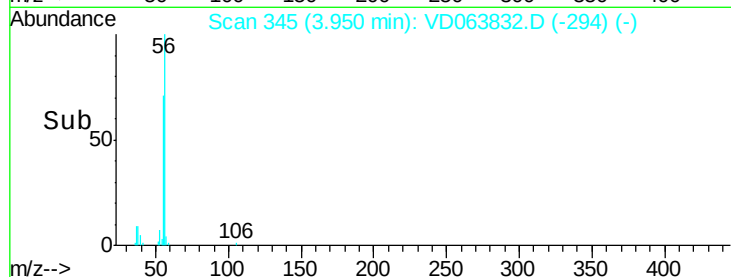
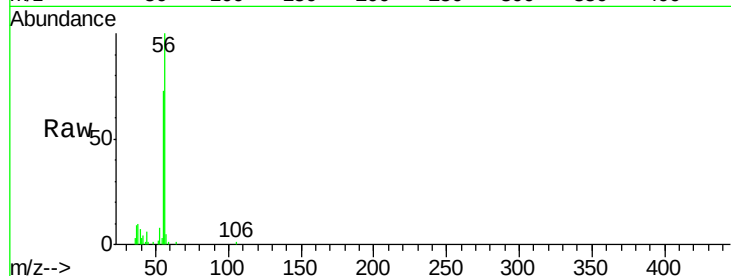
#13
Acrolein
Concen: 251.846 ug/l
RT: 3.95 min Scan# 345
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

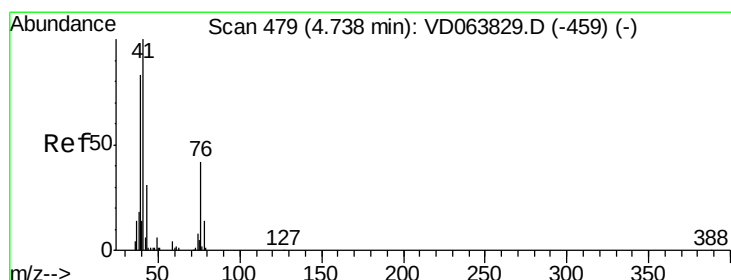
Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.0	82.6

Manual Integrations
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MMDadoda

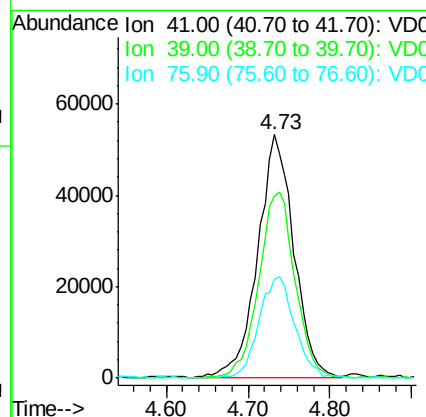
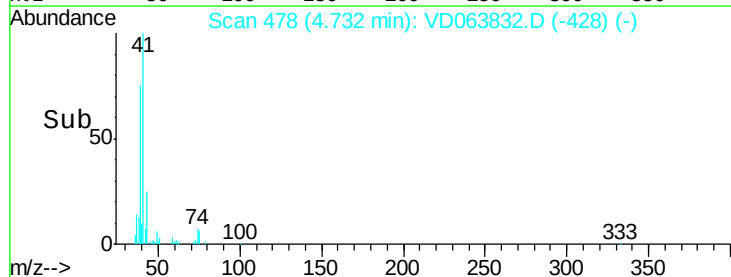
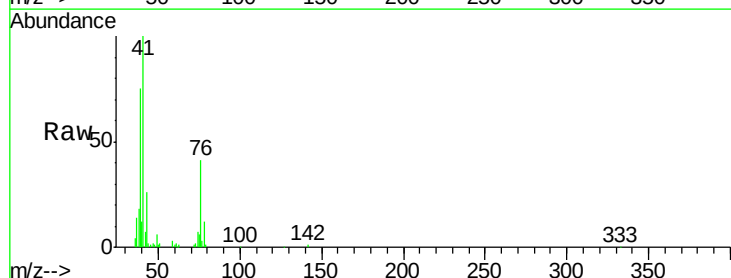


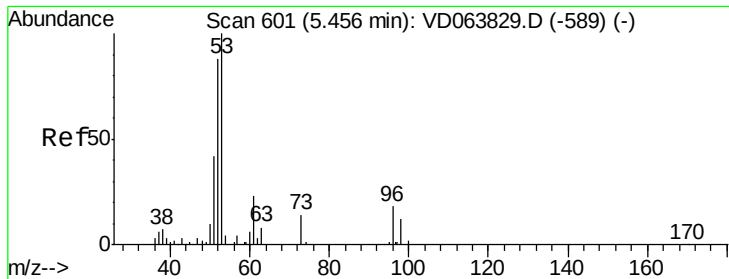
10/1/2019 9:26:22 AM



#14
Allyl chloride
Concen: 47.483 ug/l
RT: 4.73 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.6	63.7	95.5
76	41.2	33.5	50.3





#15

Acrylonitrile

Concen: 247.148 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.01 min

Lab File: VD063832.D

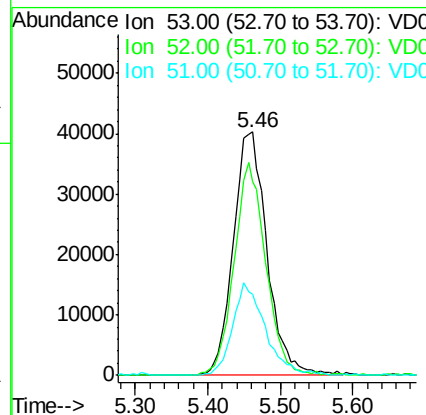
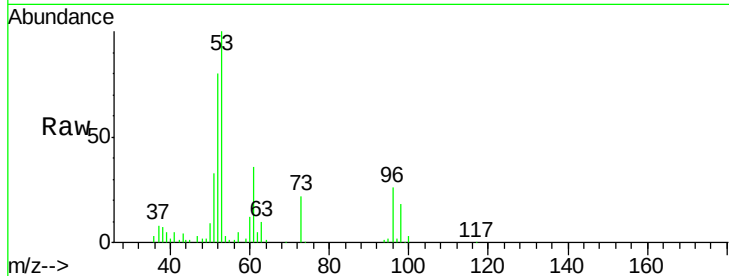
Acq: 25 Sep 2019 19:43

Tot Ion:	53	Resp:	130257
Ion Ratio		Lower	Upper
53	100		
52	81.5	68.7	103.1
51	36.2	30.7	46.1

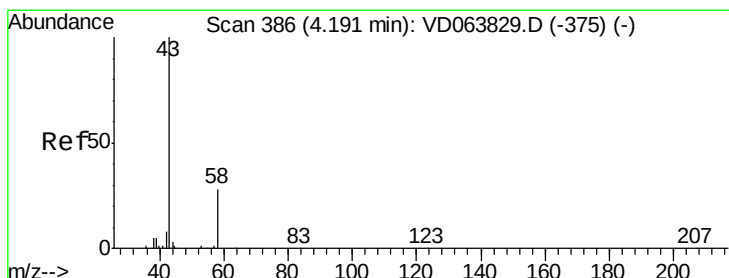
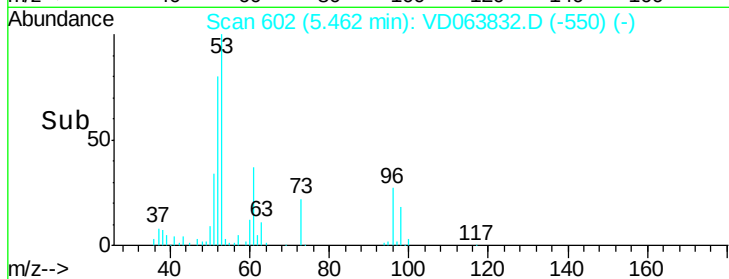
Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

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#16

Acetone

Concen: 249.403 ug/l

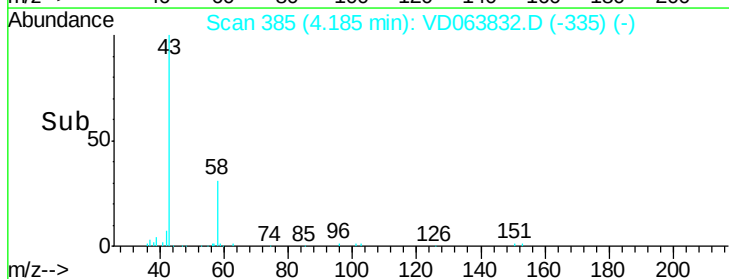
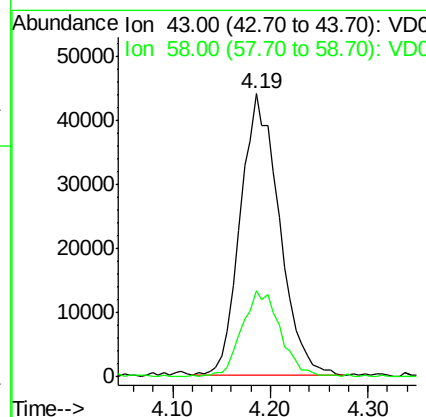
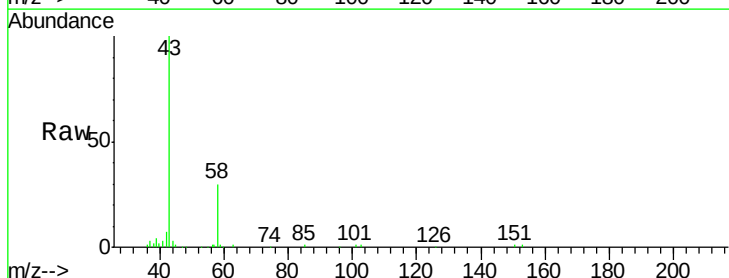
RT: 4.19 min Scan# 385

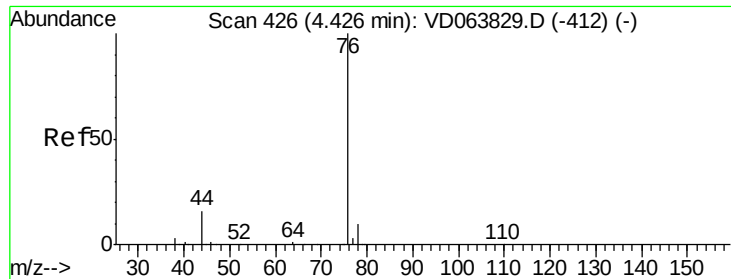
Delta R.T. -0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion:	43	Resp:	121347
Ion Ratio		Lower	Upper
43	100		
58	30.7	22.6	34.0





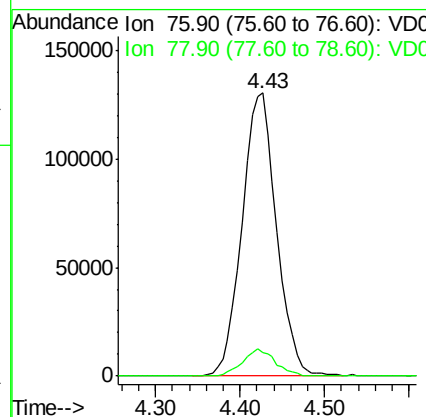
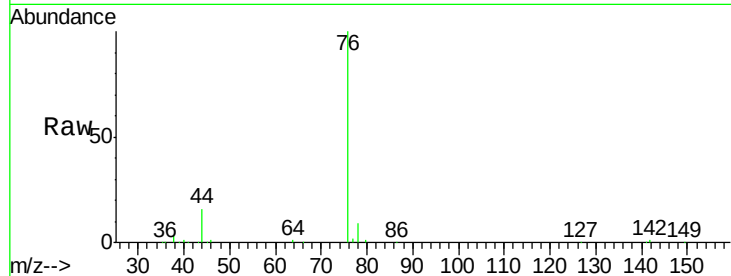
#17
Carbon Disulfide
Concen: 49.679 ug/l
RT: 4.43 min Scan# 426
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

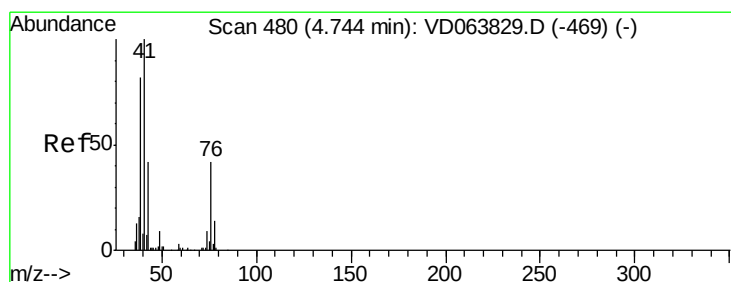
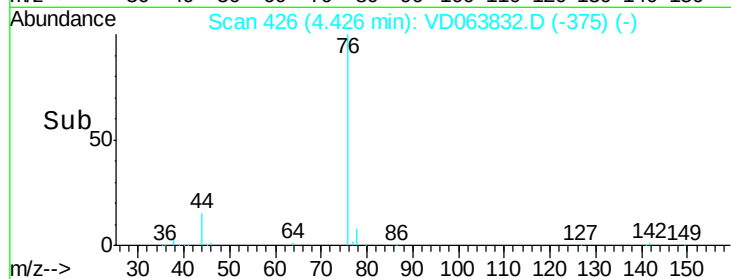
Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.9	11.9

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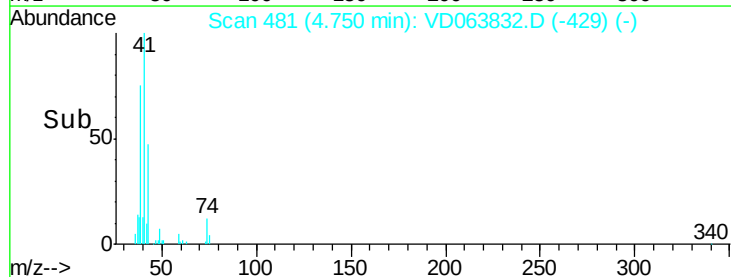
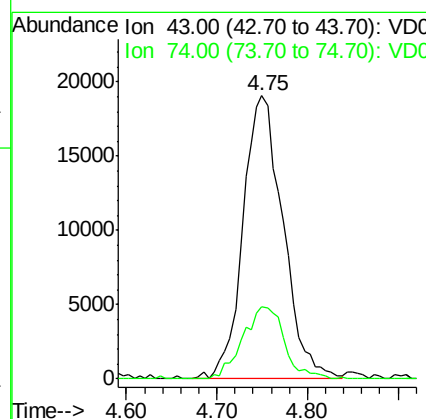
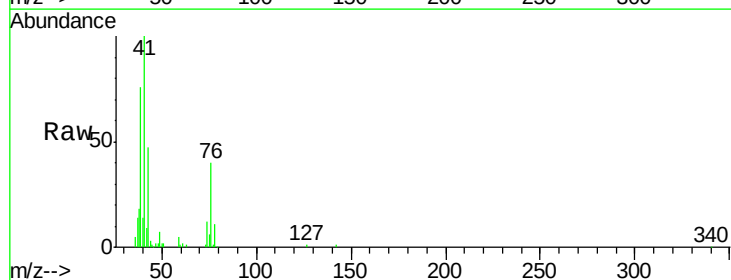


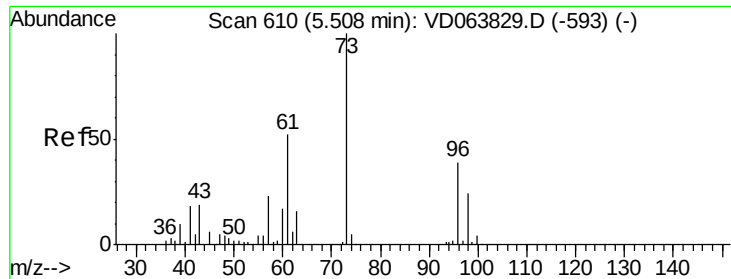
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#18
Methyl Acetate
Concen: 50.104 ug/l
RT: 4.75 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	18.6	28.0





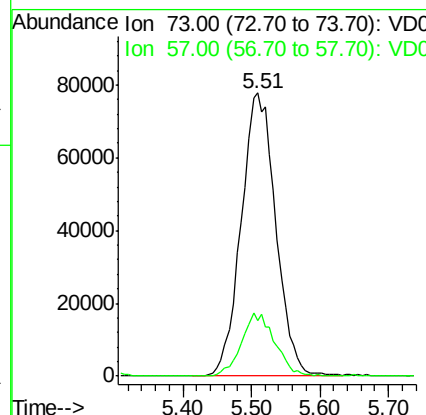
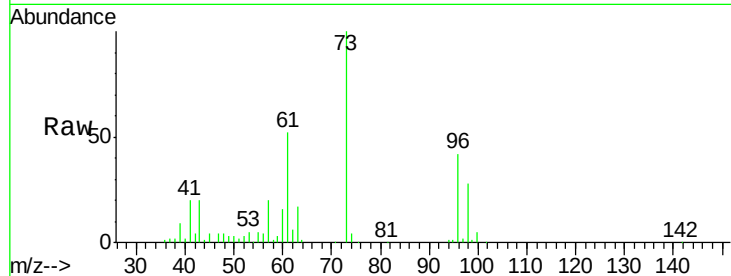
#19
Methyl tert-butyl Ether
Concen: 49.752 ug/l
RT: 5.51 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

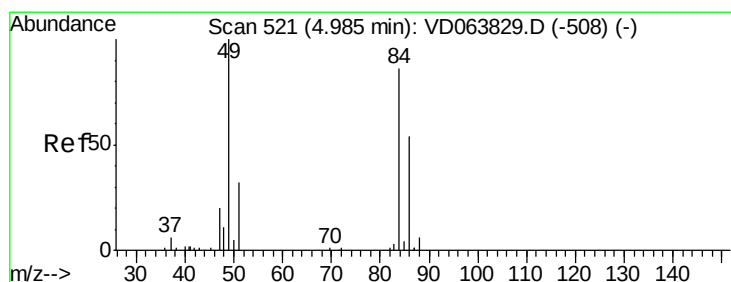
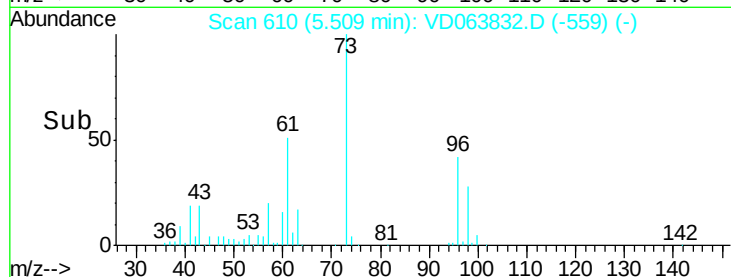
Tot Ion: 73 Resp: 272904
Ion Ratio Lower Upper
73 100
57 19.5 18.7 28.1

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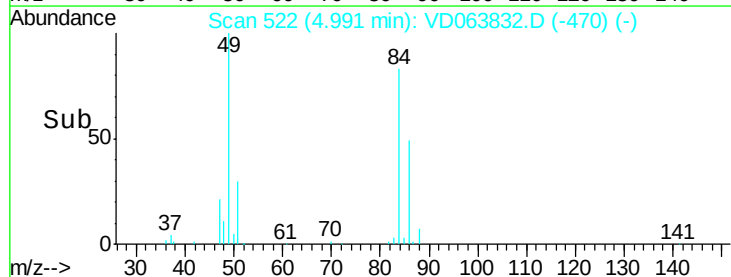
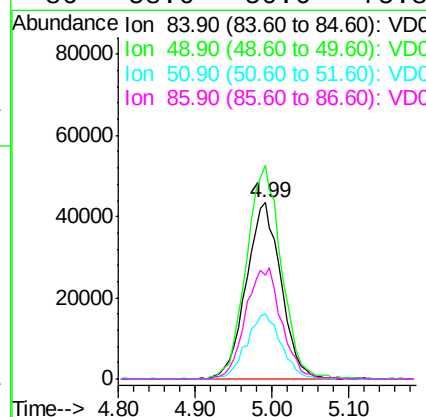
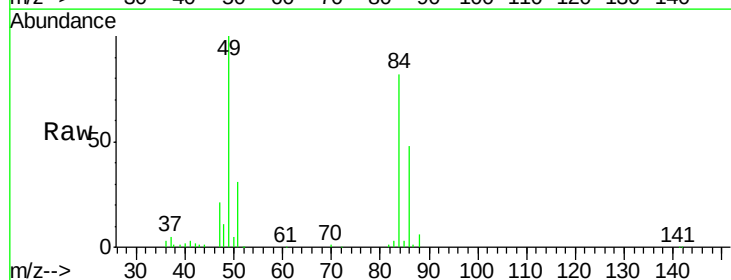


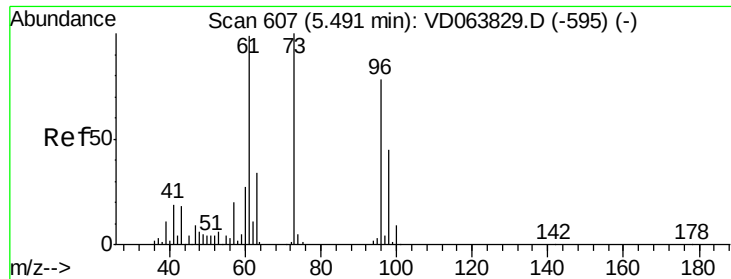
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#20
Methylene Chloride
Concen: 51.924 ug/l
RT: 4.99 min Scan# 522
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion: 84 Resp: 137378
Ion Ratio Lower Upper
84 100
49 121.3 93.6 140.4
51 37.0 29.8 44.6
86 58.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.263 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

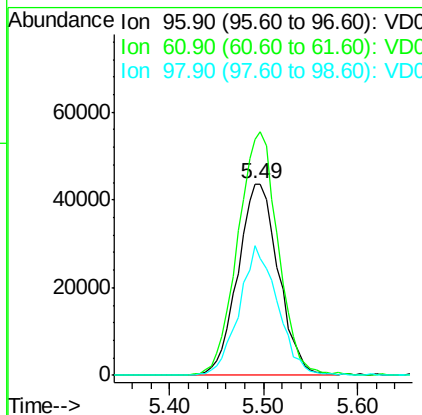
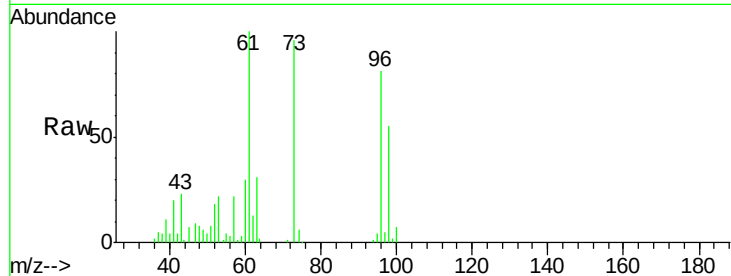
ClientSampleId :

ICVVD092519

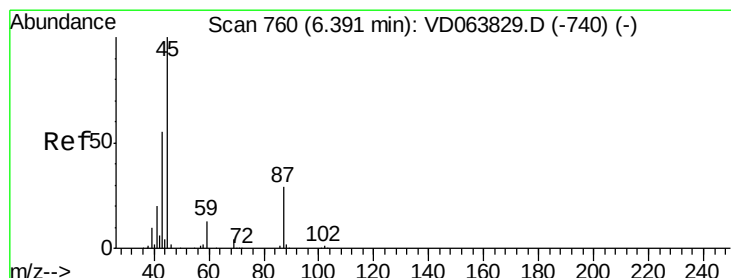
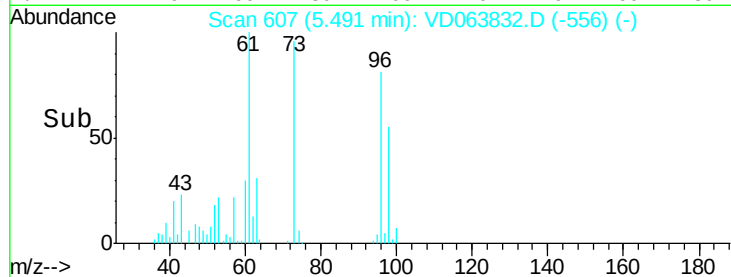
Tot Ion:	96	Resp:	130730
Ion	Ratio	Lower	Upper
96	100		
61	123.5	101.3	151.9
98	68.0	45.4	68.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.720 ug/l

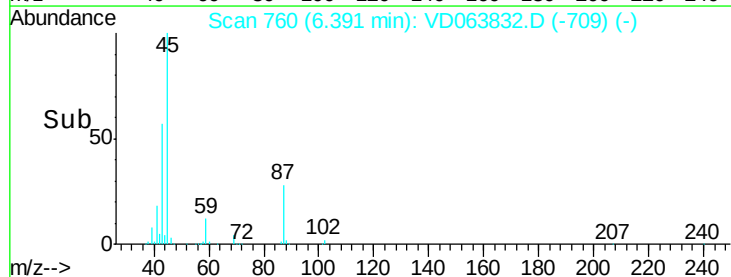
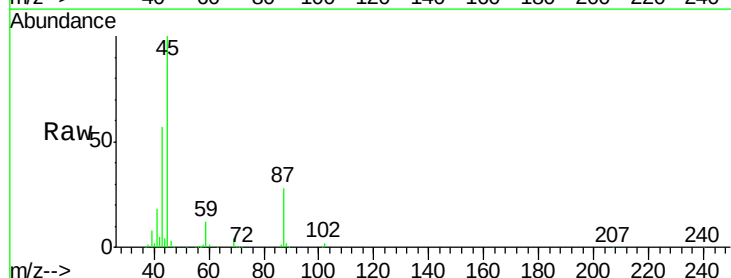
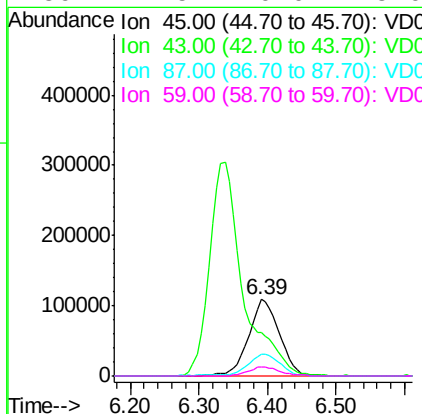
RT: 6.39 min Scan# 760

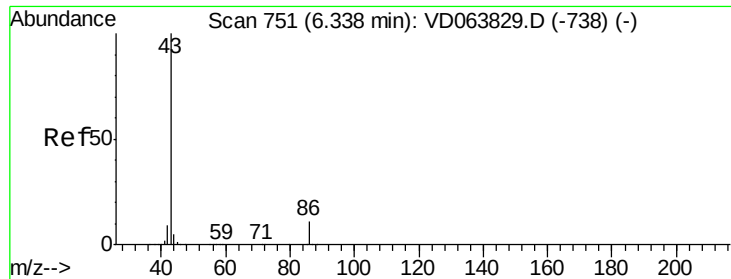
Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion:	45	Resp:	341319
Ion	Ratio	Lower	Upper
45	100		
43	56.5	44.2	66.2
87	28.0	23.9	35.9
59	11.5	10.0	15.0





#23

Vinyl Acetate

Concen: 244.070 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD092519

Tot Ion: 43 Resp: 1032550

Ion Ratio Lower Upper

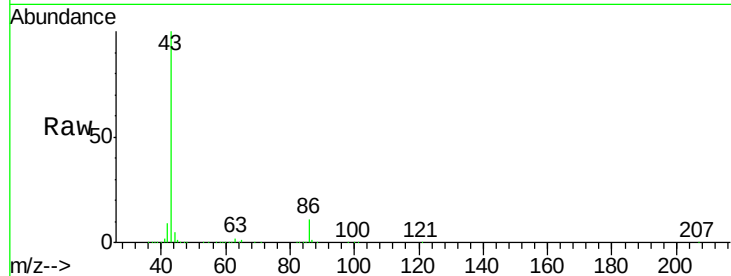
43 100

86 11.3 8.8 13.2

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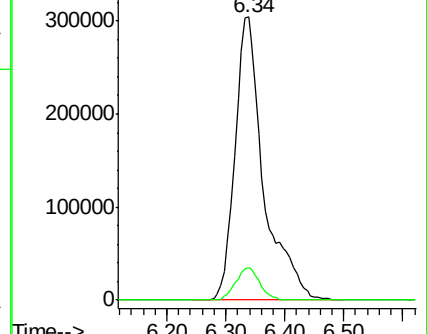
APPROVED

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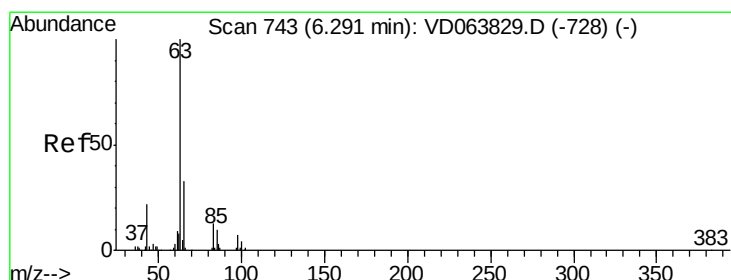
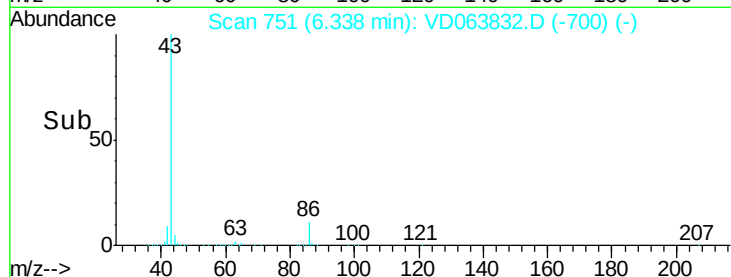


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



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#24

1,1-Dichloroethane

Concen: 49.633 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

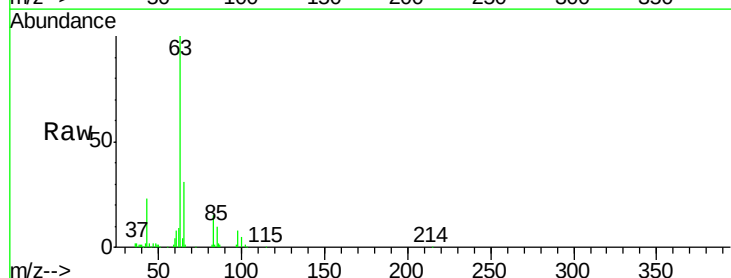
Tgt Ion: 63 Resp: 215676

Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.5

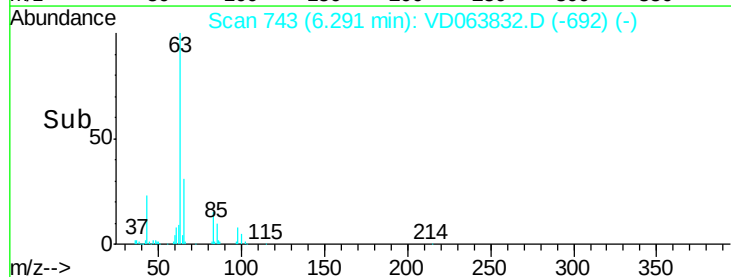
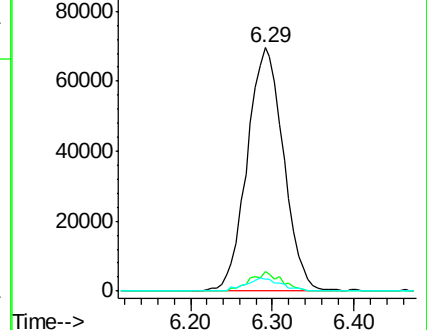
100 4.9 2.0 6.0

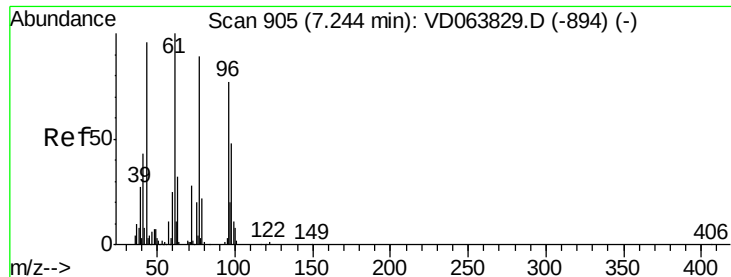


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





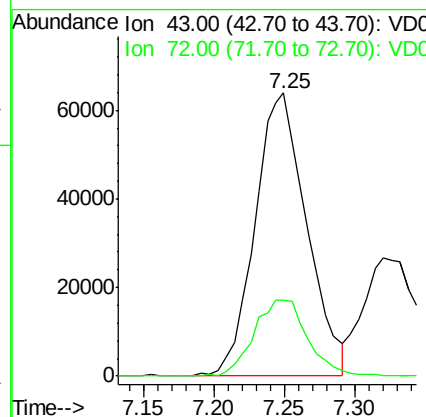
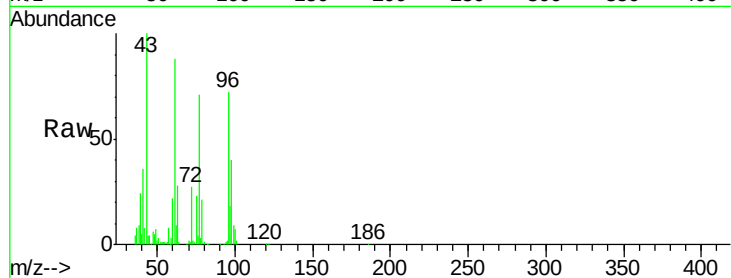
#25
2-Butanone
Concen: 230.959 ug/l
RT: 7.25 min Scan# 906
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

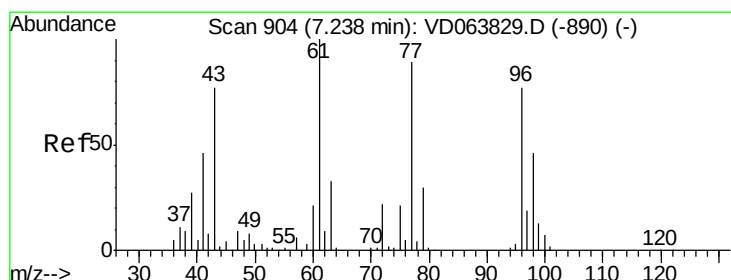
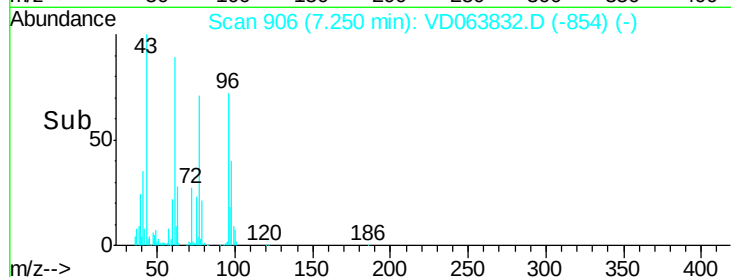
Tot Ion: 43 Resp: 163740
Ion Ratio Lower Upper
43 100
72 27.0 23.5 35.3

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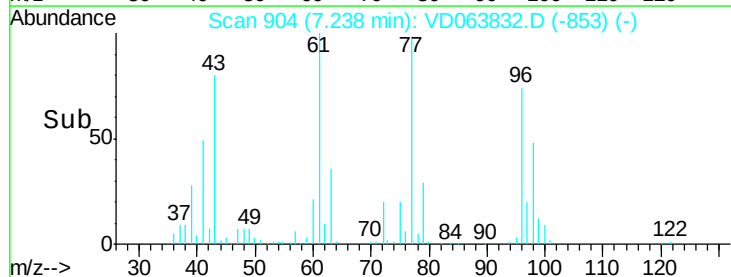
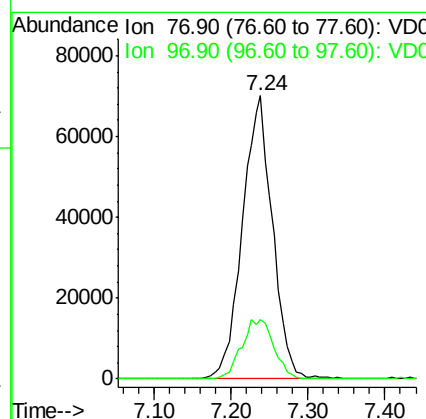
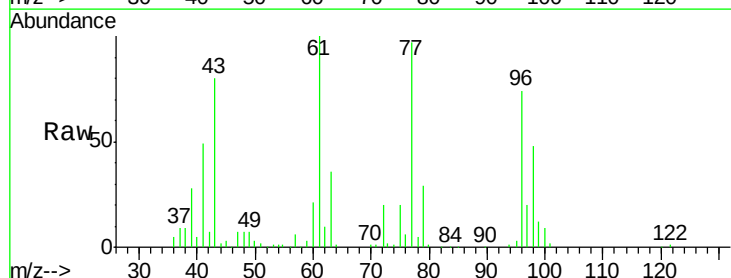


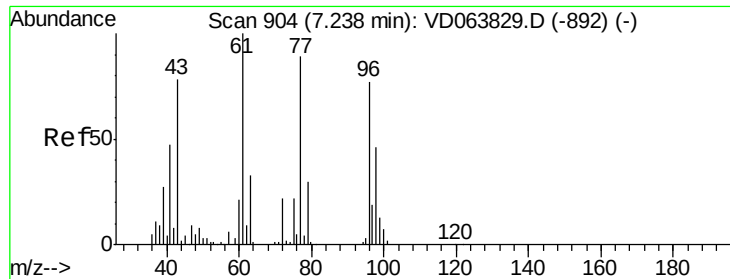
10/1/2019 9:26:22 AM



#26
2,2-Dichloropropane
Concen: 47.050 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion: 77 Resp: 191208
Ion Ratio Lower Upper
77 100
97 22.4 10.9 32.7





#27

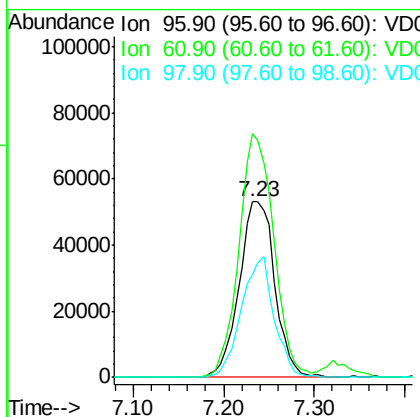
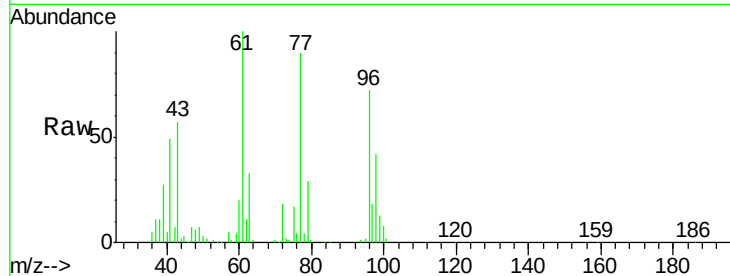
cis-1,2-Dichloroethene
Concen: 50.602 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

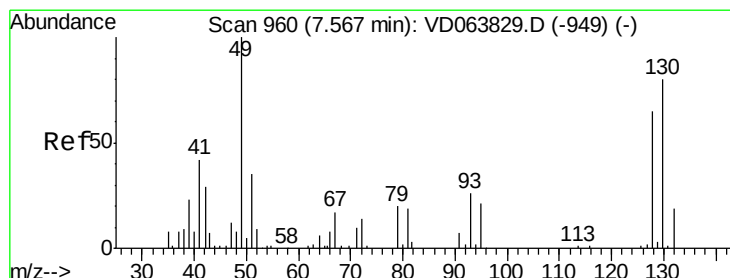
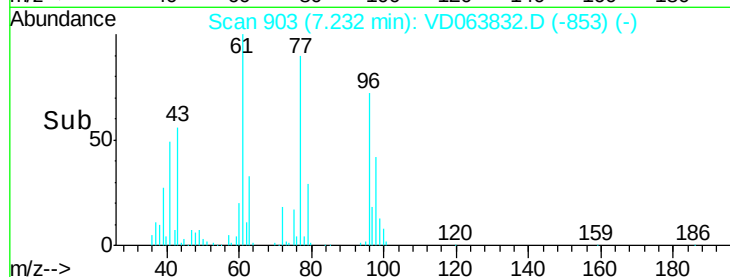
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	275.6
98	62.9	0.0	130.2

Manual Integrations
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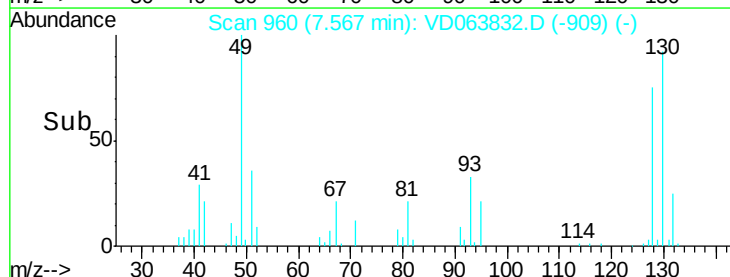
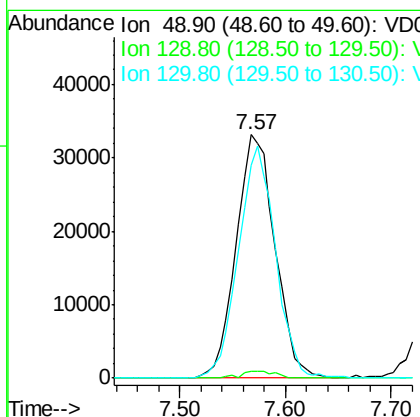
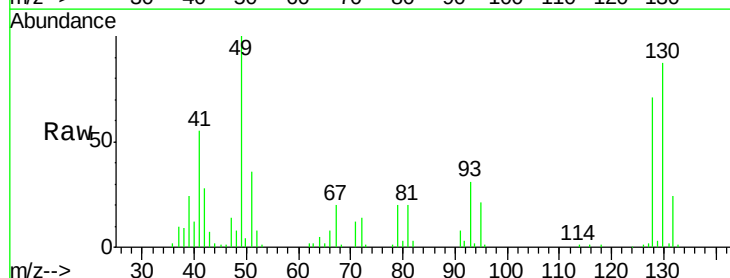
10/1/2019 9:26:22 AM

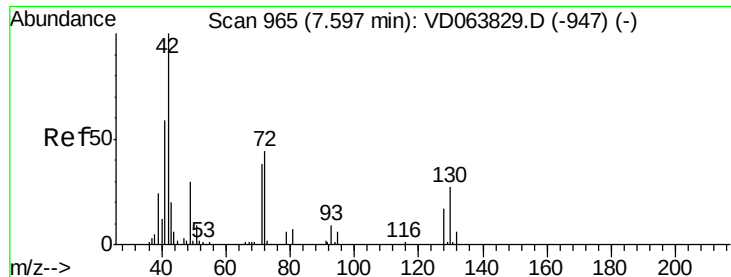


#28

Bromochloromethane
Concen: 49.591 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.6
130	91.0	67.0	100.4





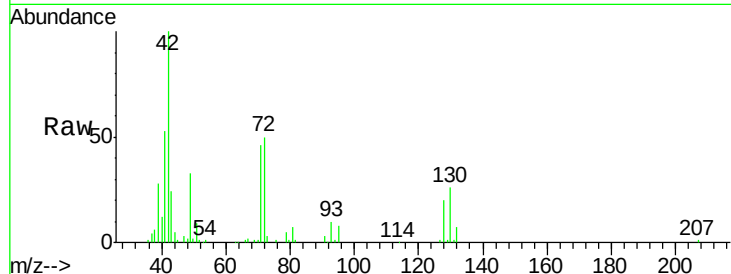
#29
Tetrahydrofuran
Concen: 236.467 ug/l
RT: 7.60 min Scan# 965
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

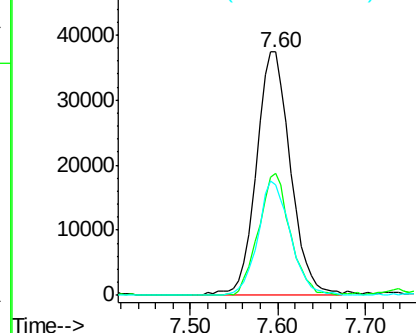
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.3	55.9
71	44.8	33.4	50.2

Manual Integrations
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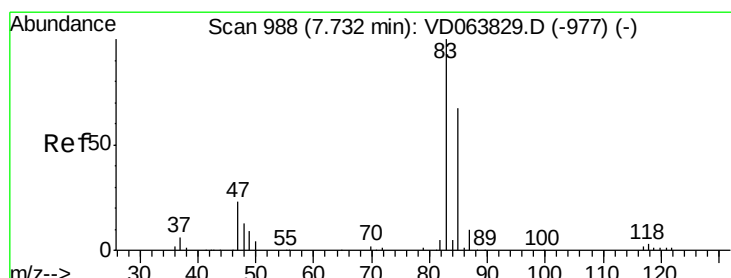
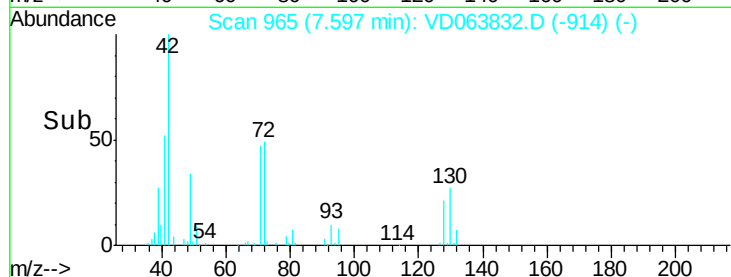
MMDadoda



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

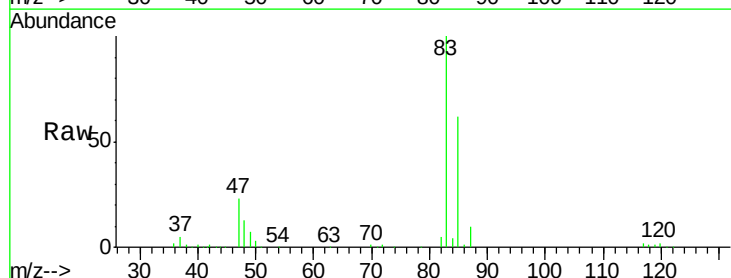


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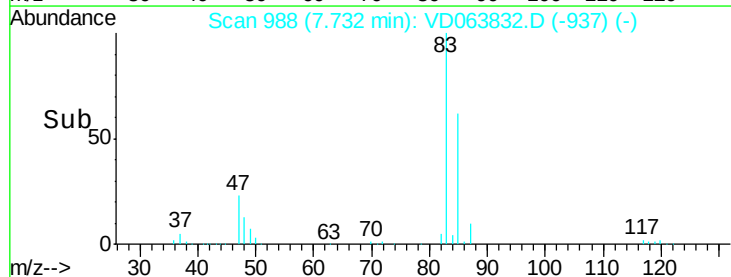
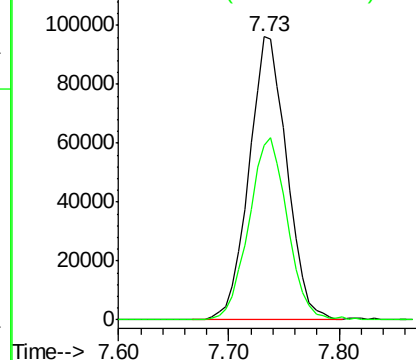


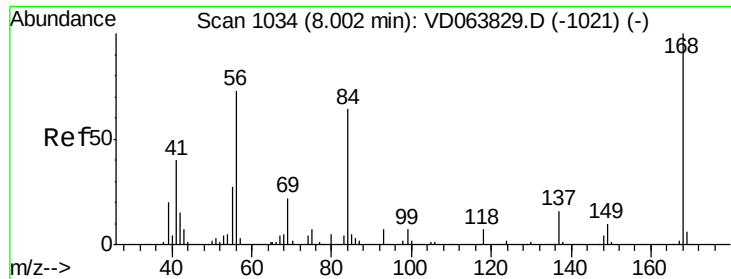
#30
Chloroform
Concen: 48.905 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.4	80.2



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





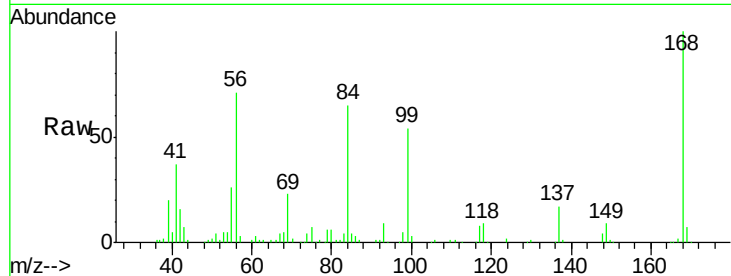
#31
Cyclohexane
Concen: 51.501 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

Tot Ion	Ratio	Resp	Lower	Upper
56	100	192463		
69	32.5		23.1	34.7
84	88.6		69.7	104.5

Manual Integrations
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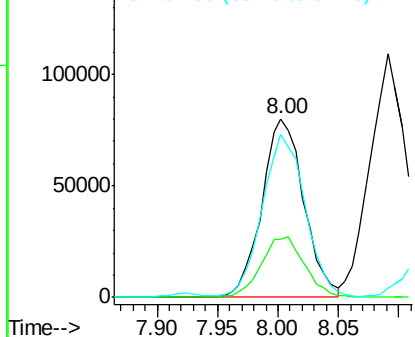


Abundance

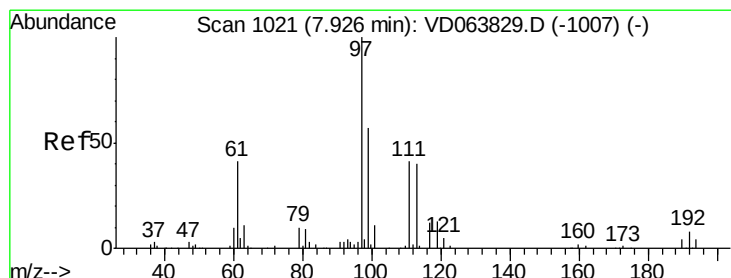
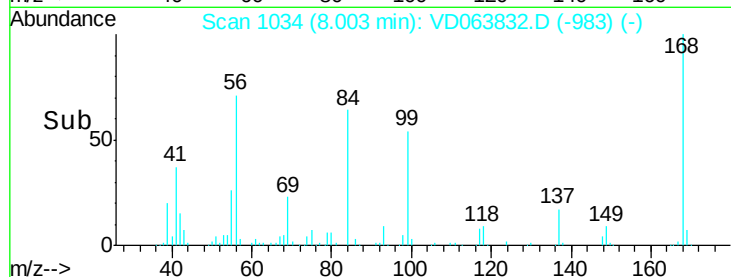
Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

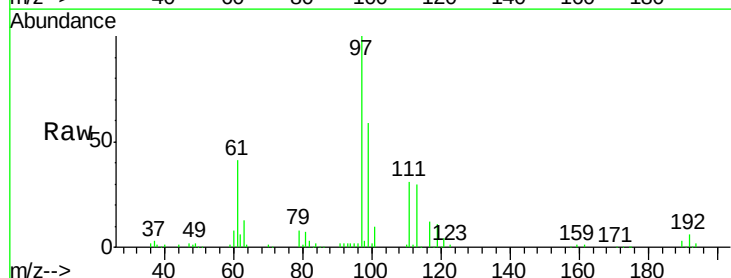


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#32
1,1,1-Trichloroethane
Concen: 49.750 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	212325		
99	62.6		52.9	79.3
61	41.2		35.8	53.8

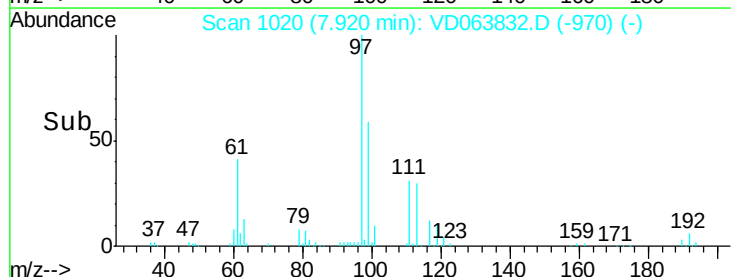
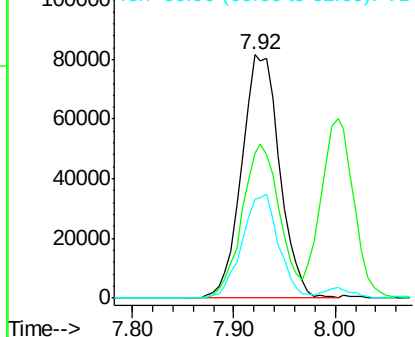


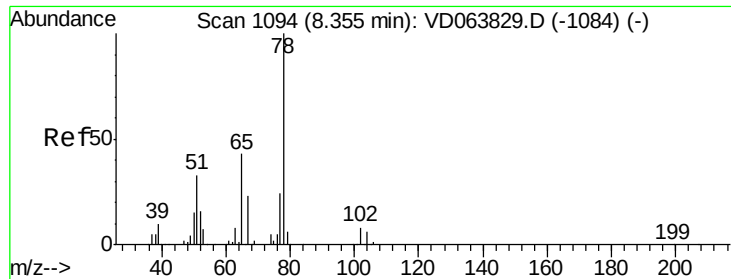
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





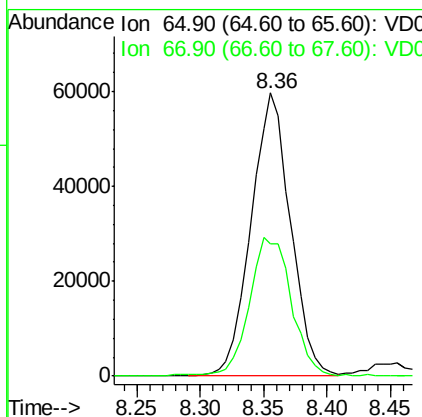
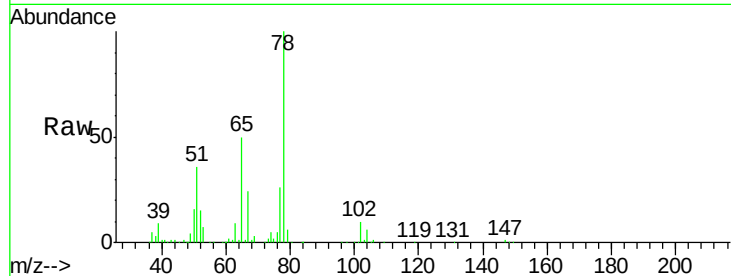
#33
 1,2-Dichloroethane-d4
 Concen: 53.546 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

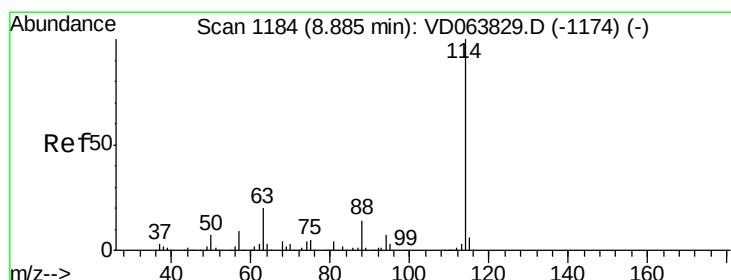
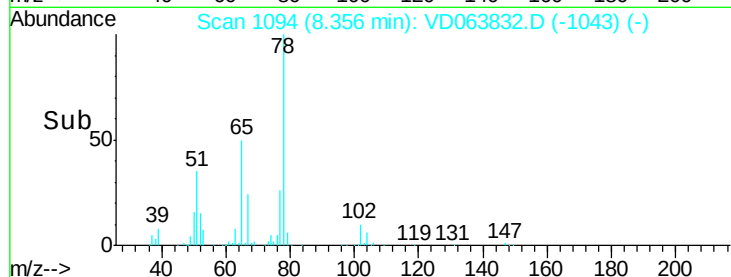
Tot Ion	Ratio	Resp	Lower	Upper
65	100	129361		
67	51.9	0.0	107.4	

Manual Integrations
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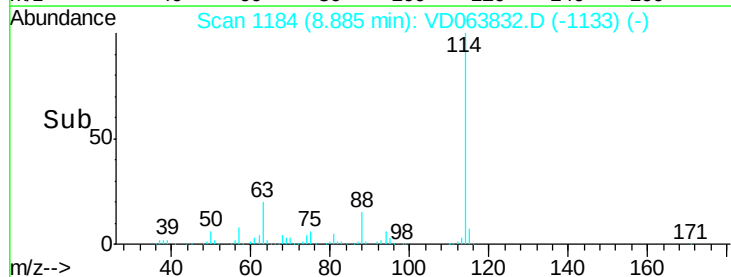
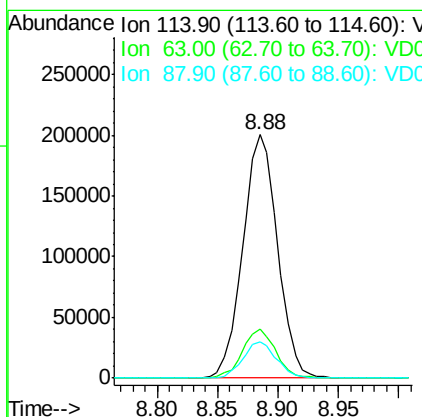
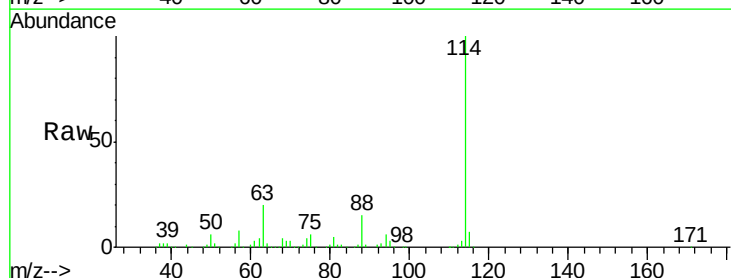


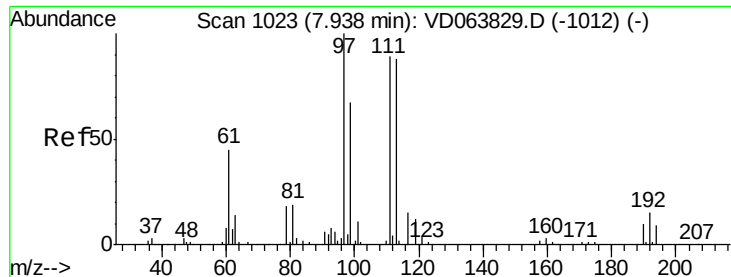
10/1/2019 9:26:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400986		
63	19.9	0.0	39.2	
88	14.9	0.0	28.4	





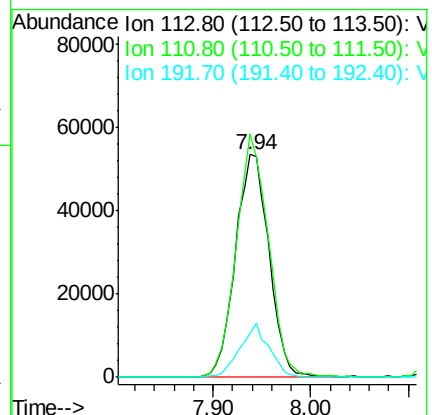
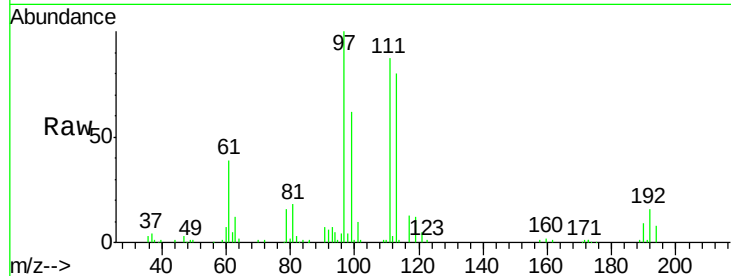
#35
Dibromofluoromethane
Concen: 50.584 ug/l
RT: 7.94 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

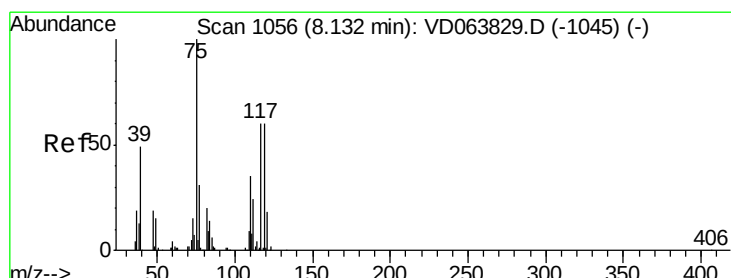
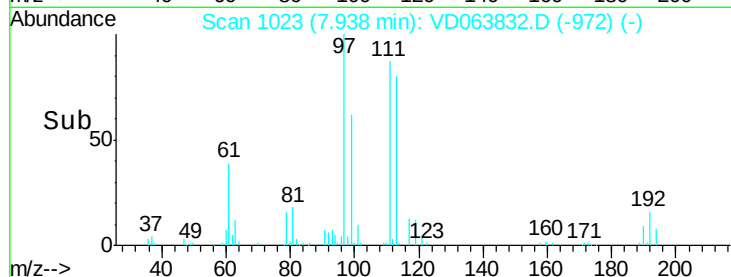
Tot Ion	Ratio	Resp	Lower	Upper
113	100	128761		
111	105.0	77.7	116.5	
192	21.1	15.9	23.9	

Manual Integrations
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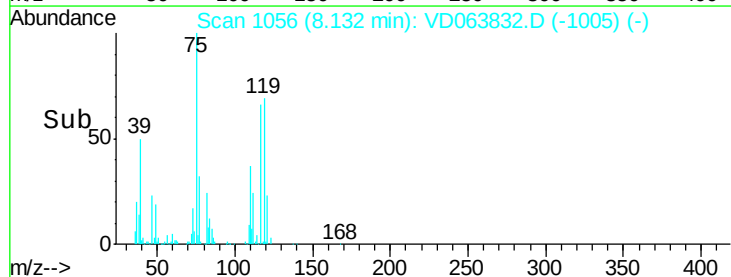
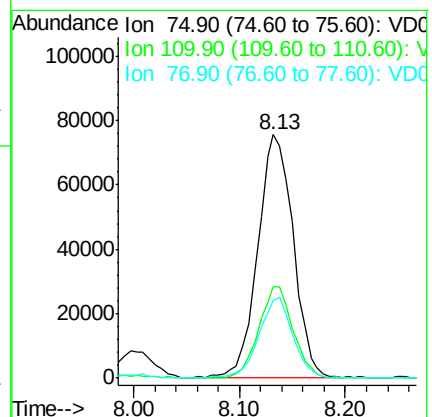
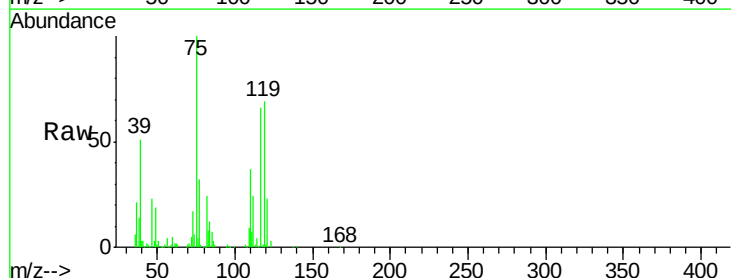


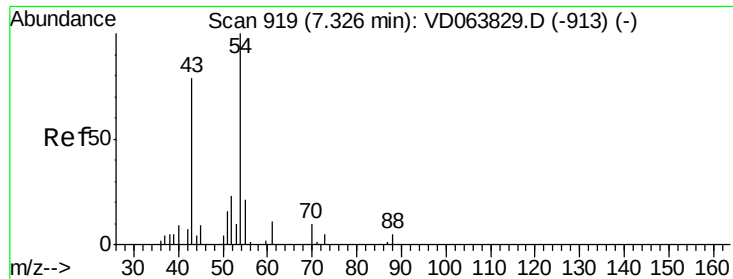
10/1/2019 9:26:22 AM



#36
1,1-Dichloropropene
Concen: 48.377 ug/l
RT: 8.13 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176943		
110	36.2	17.5	52.5	
77	31.6	24.9	37.3	





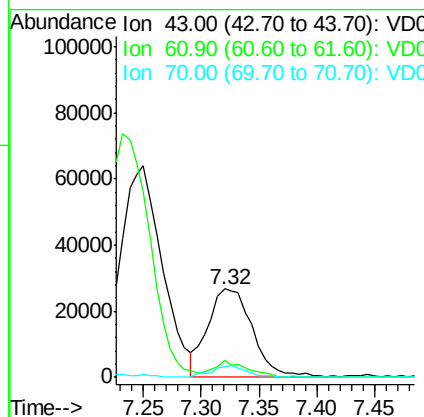
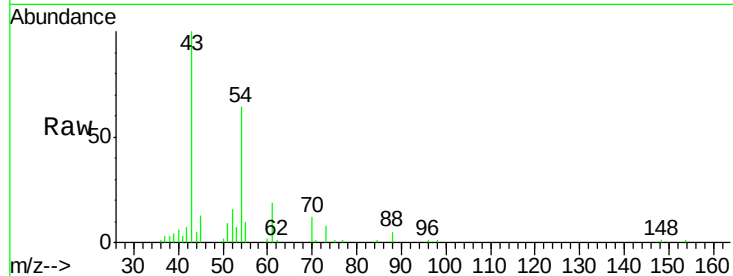
#37
Ethyl Acetate
Concen: 52.143 ug/l
RT: 7.32 min Scan# 918
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

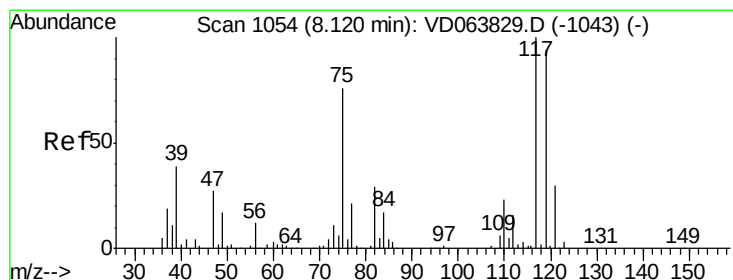
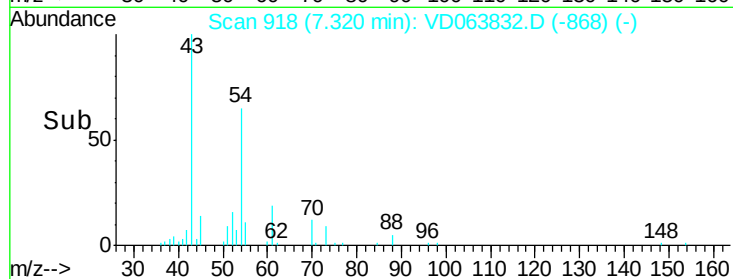
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.7	19.1
70	10.9	8.3	12.5

Manual Integrations
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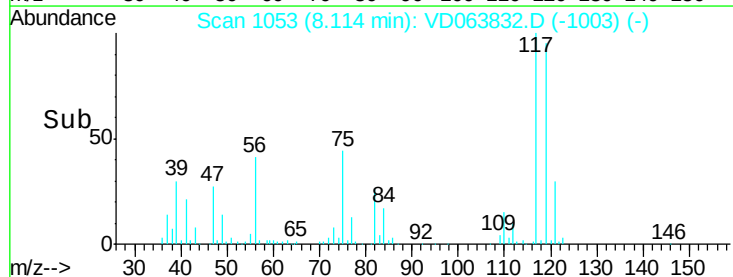
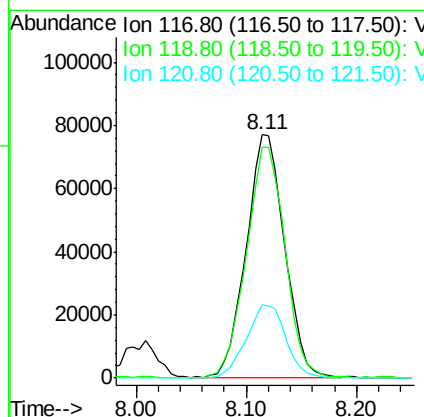
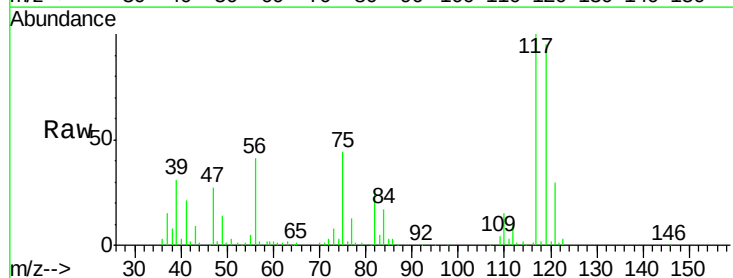


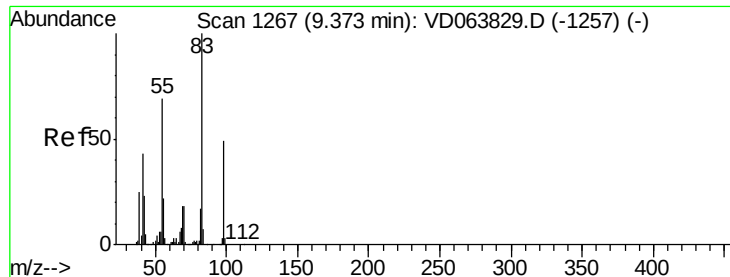
10/1/2019 9:26:22 AM



#38
Carbon Tetrachloride
Concen: 49.243 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.2	112.8
121	30.4	23.9	35.9





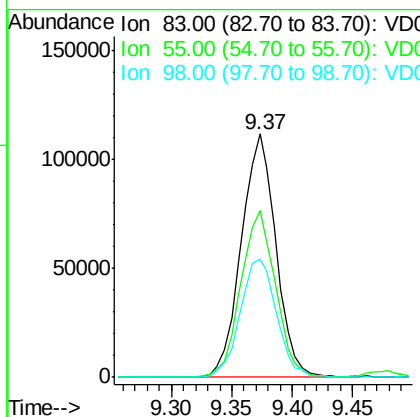
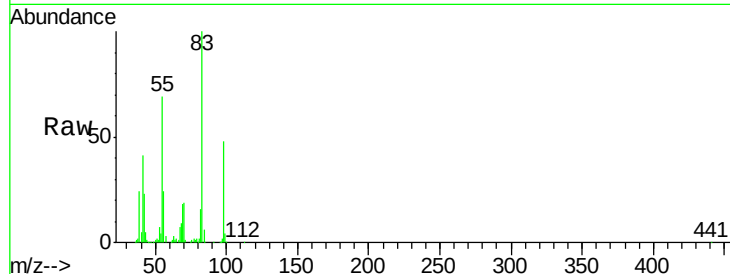
#39
Methylvlcyclohexane
Concen: 49.058 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

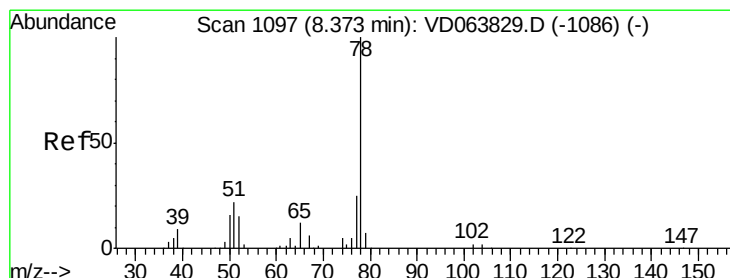
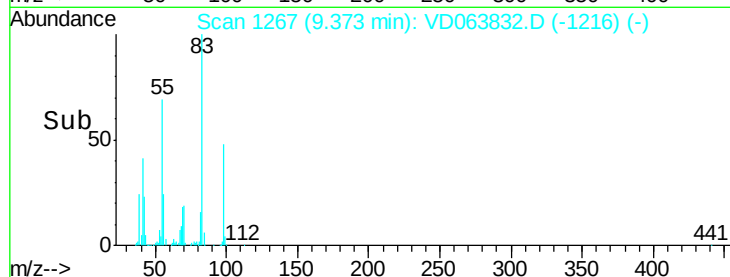
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.5		54.9	82.3
98	48.4		39.0	58.6

Manual Integrations
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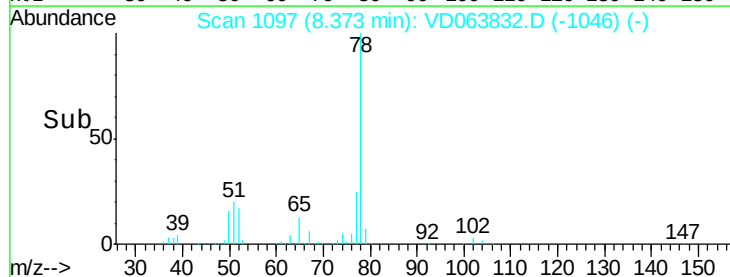
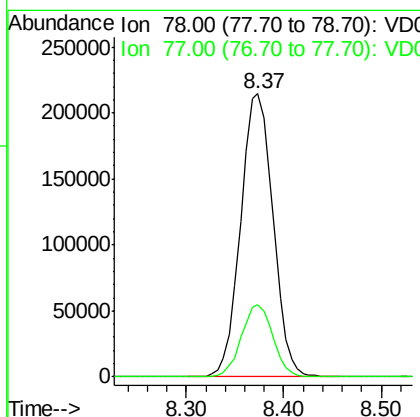
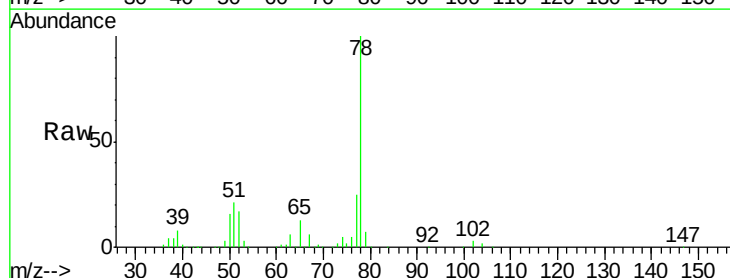


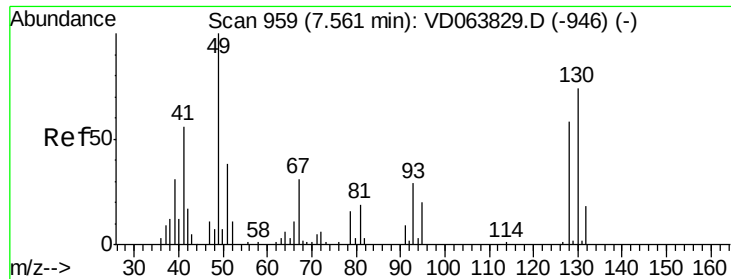
10/1/2019 9:26:22 AM



#40
Benzene
Concen: 49.622 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.4		19.8	29.6





#41

Methacrylonitrile

Concen: 42.730 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

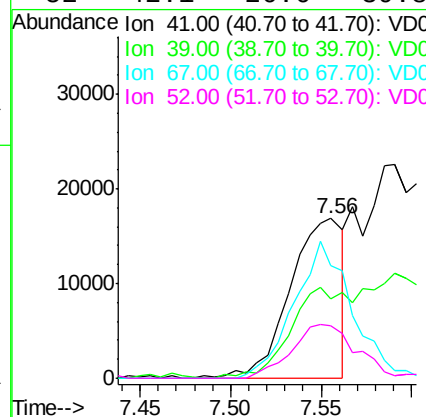
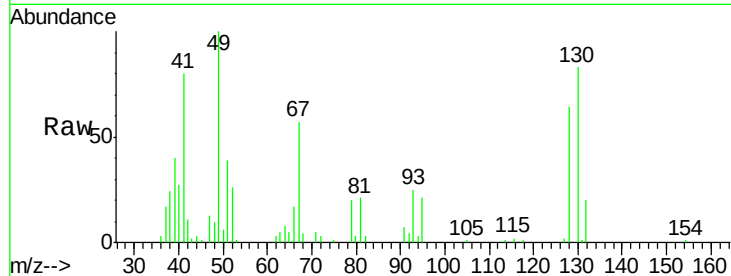
ICVVD092519

Tot Ion: 41 Resp: 34523

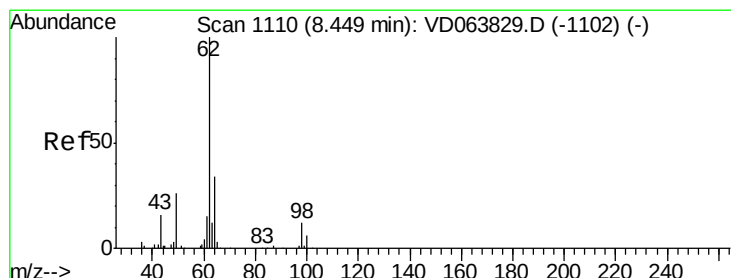
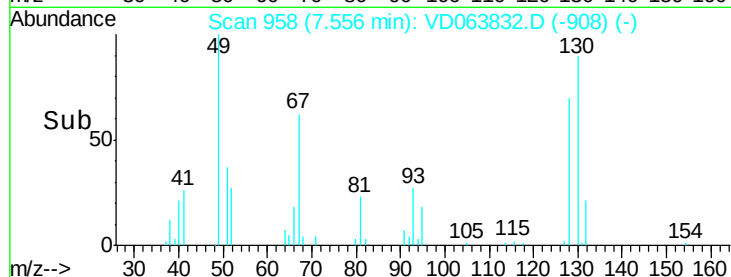
Ion	Ratio	Lower	Upper
41	100		
39	63.7	52.2	78.4
67	93.8	58.6	87.8#
52	42.1	26.6	39.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.010 ug/l

RT: 8.45 min Scan# 1110

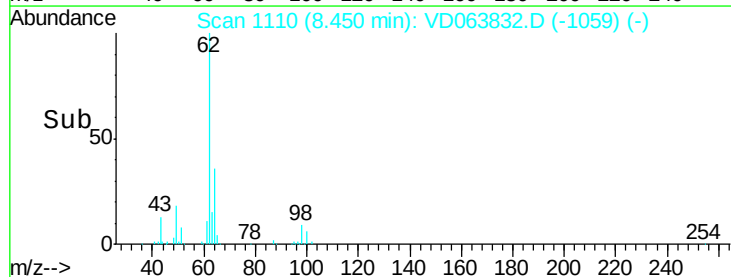
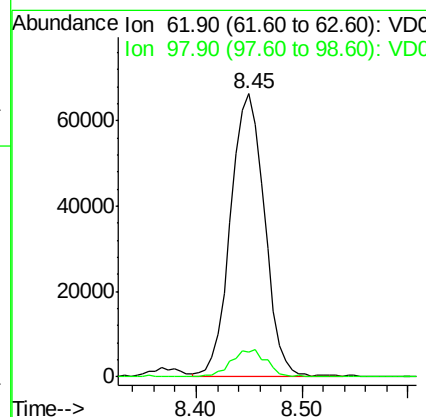
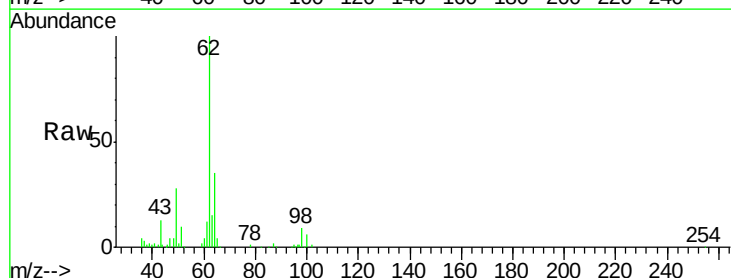
Delta R.T. 0.00 min

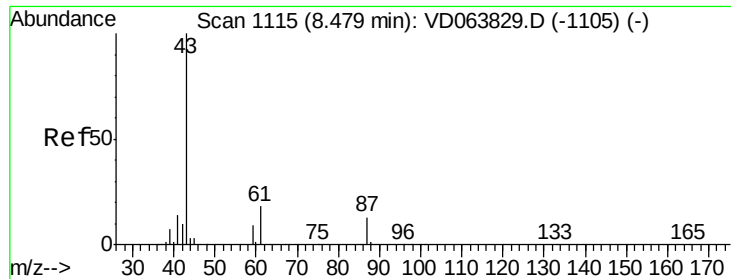
Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion: 62 Resp: 147308

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





#43

Isopropyl Acetate

Concen: 47.852 ug/l

RT: 8.47 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

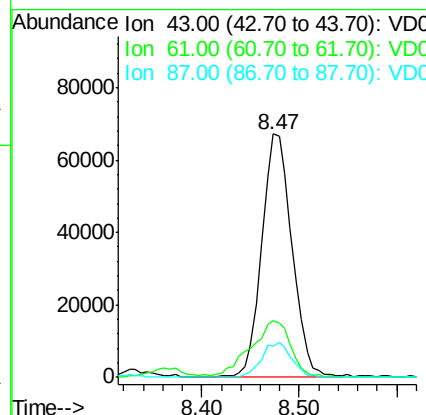
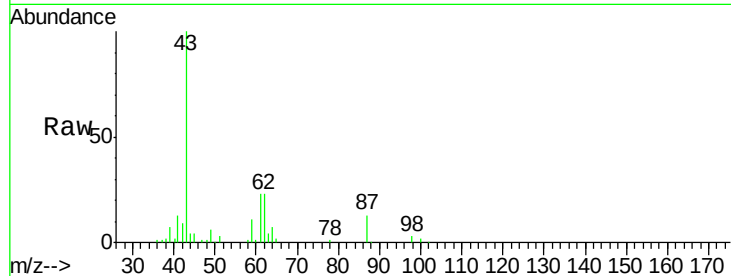
ClientSampleId :

ICVVD092519

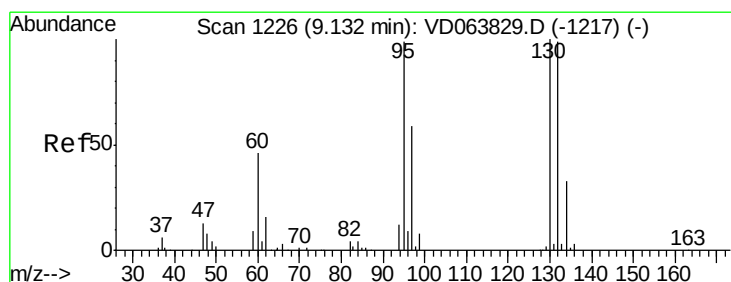
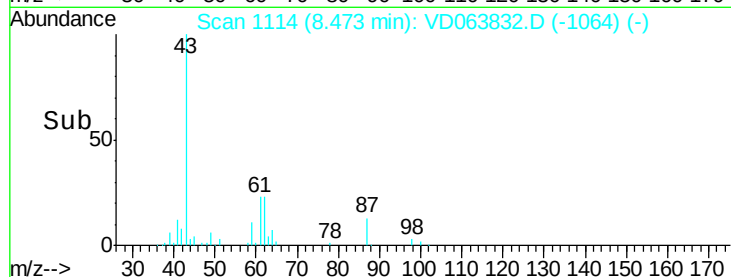
Tot Ion:	43	Resp:	146540
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	37.0
87	14.2	10.5	15.7

Manual Integrations
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10/1/2019 9:26:22 AM



#44

Trichloroethene

Concen: 50.747 ug/l

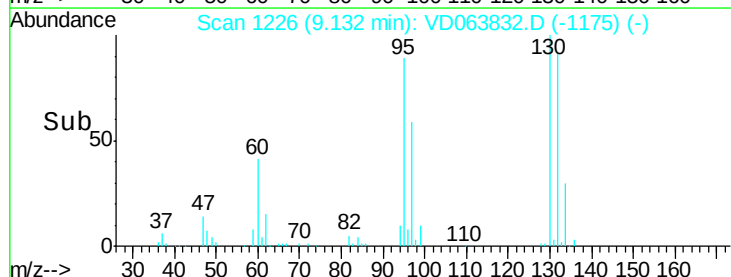
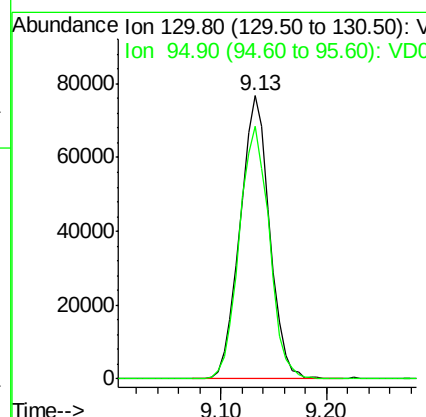
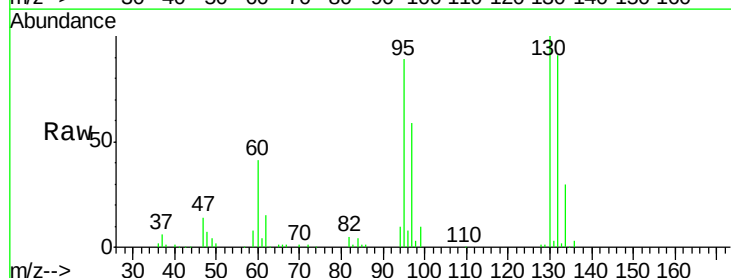
RT: 9.13 min Scan# 1226

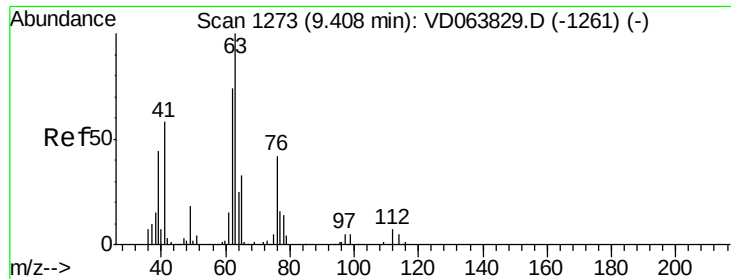
Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion:	130	Resp:	148036
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	198.6





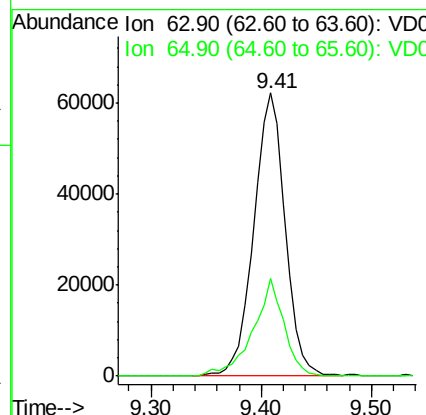
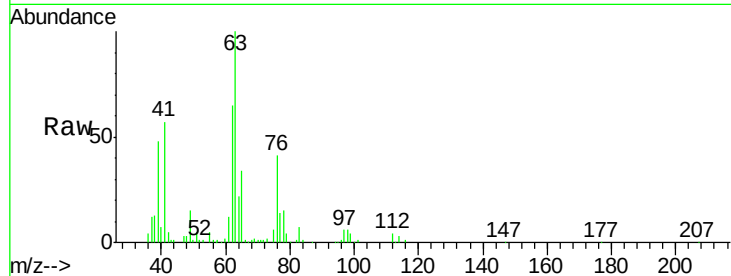
#45
 1,2-Dichloropropane
 Concen: 49.911 ug/l
 RT: 9.41 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

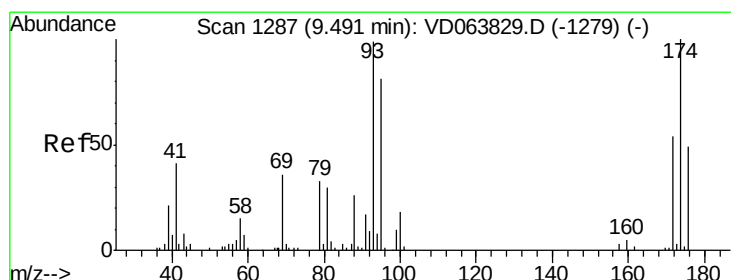
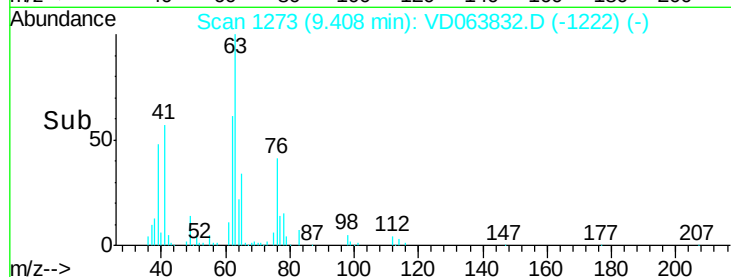
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	34.4	26.8	40.2	

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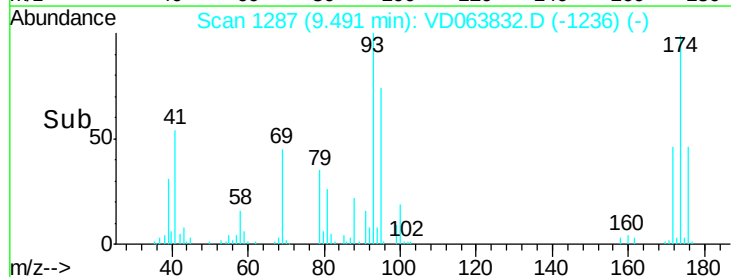
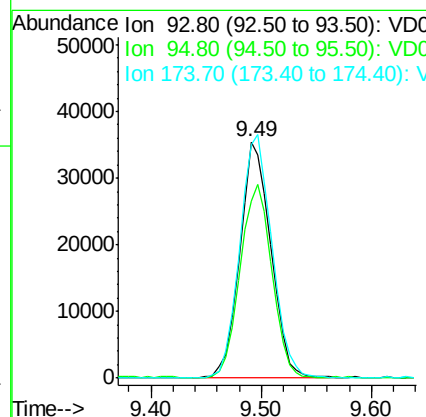
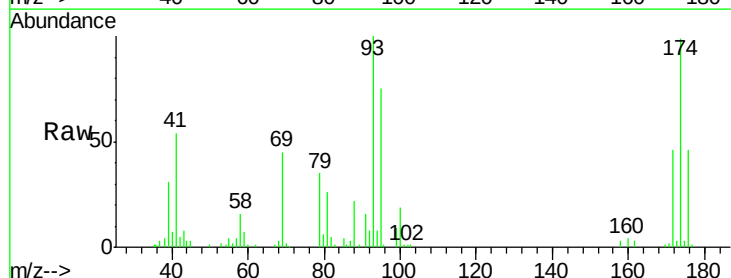


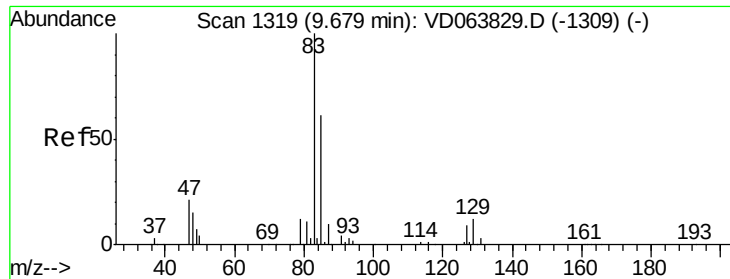
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#46
 Dibromomethane
 Concen: 50.033 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	83.7	63.8	95.8	
174	106.1	84.2	126.2	





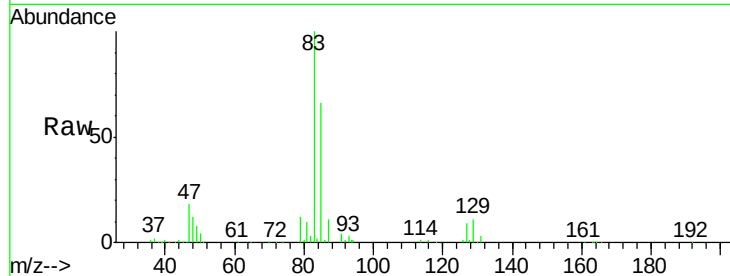
#47
Bromodichloromethane
Concen: 51.111 ug/l
RT: 9.68 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

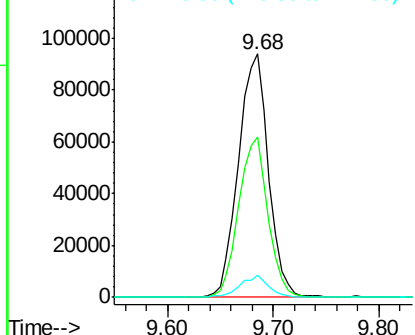
Tot Ion	Ratio	Resp	Lower	Upper
83	100	185042		
85	65.9	48.6	73.0	
127	9.0	6.9	10.3	

Manual Integrations
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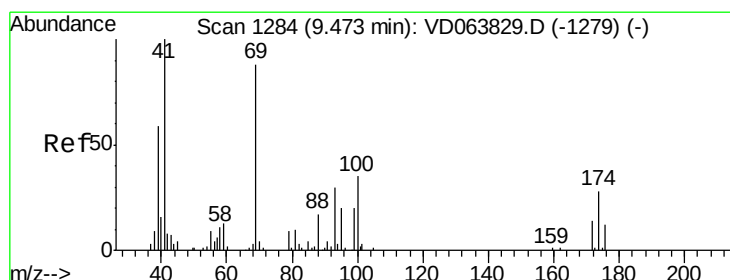
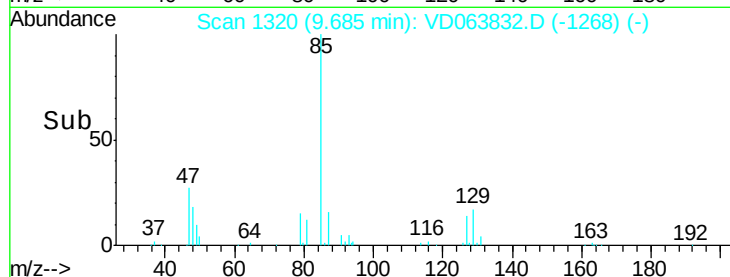
MMDadoda



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

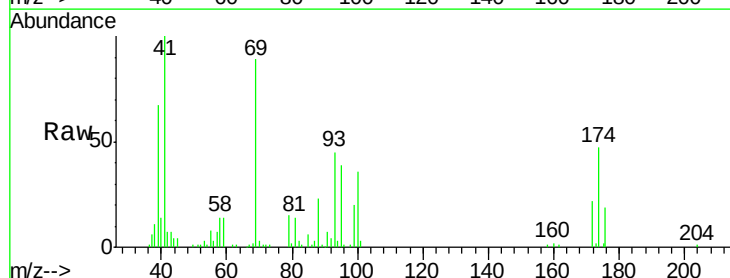


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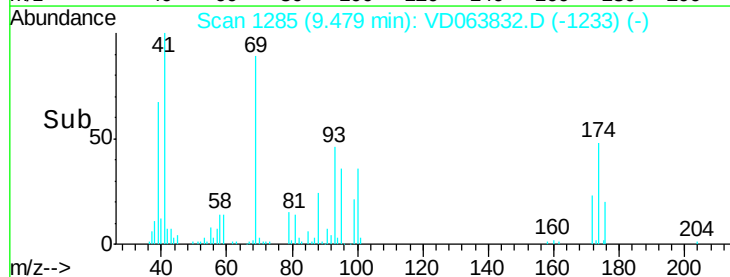
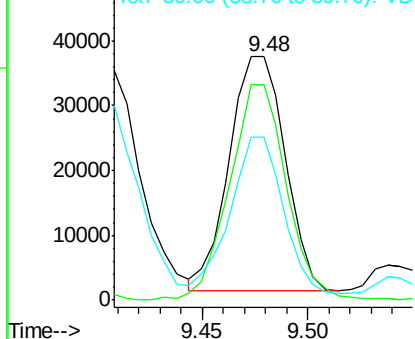


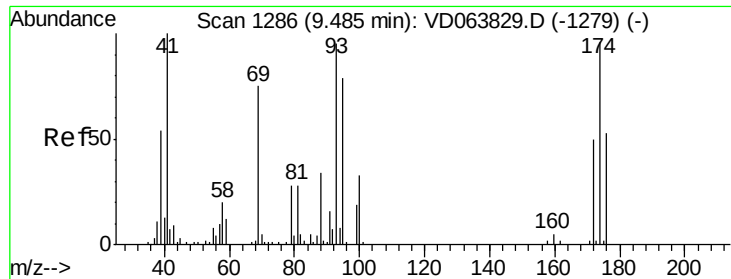
#48
Methyl methacrylate
Concen: 47.844 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	66639		
69	93.9	71.7	107.5	
39	62.8	51.7	77.5	



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





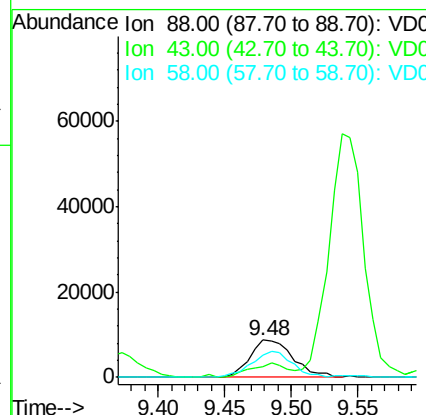
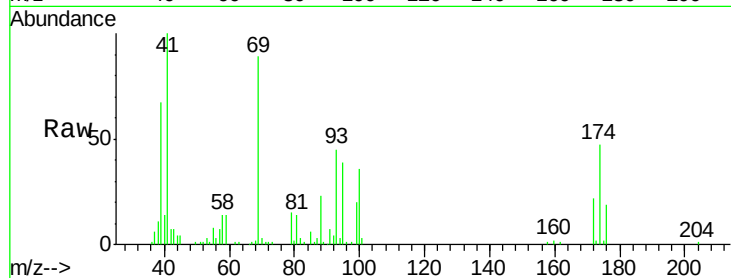
#49
1,4-Dioxane
Concen: 990.389 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

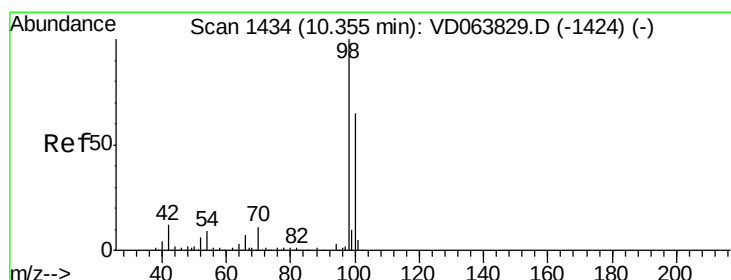
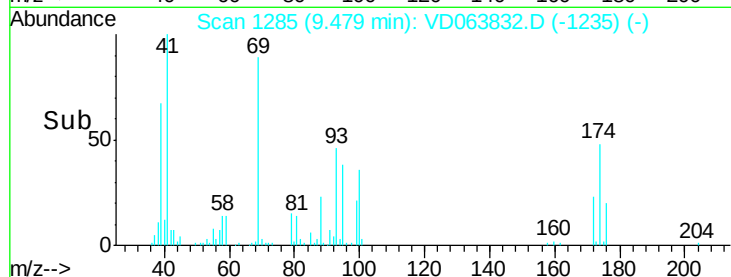
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.8	38.6
58	65.4	55.9	83.9

Manual Integrations
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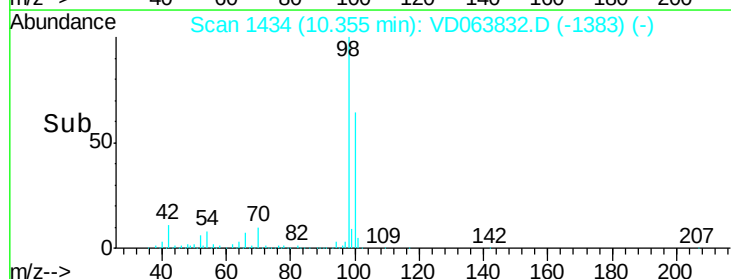
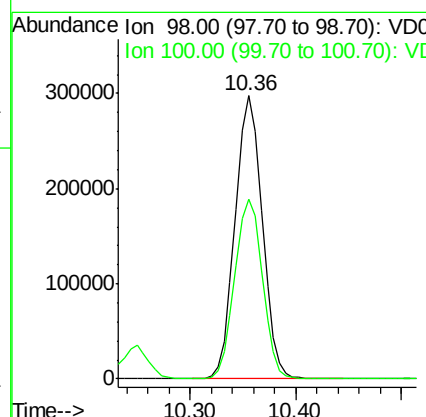
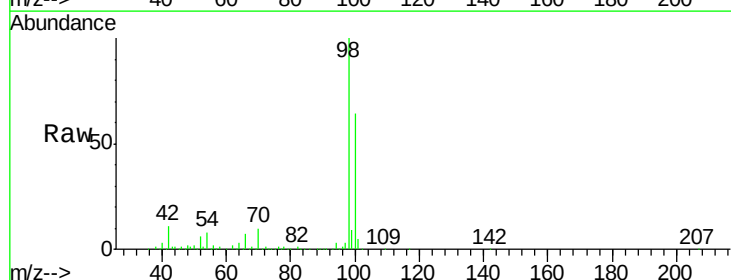


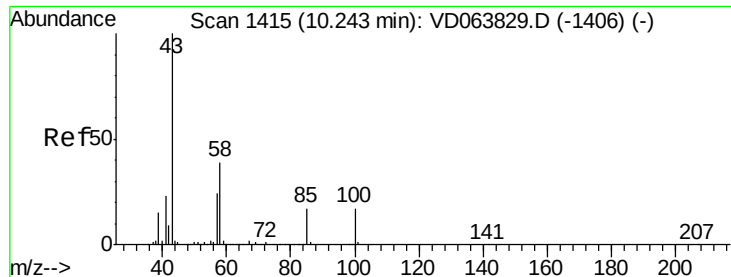
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#50
Toluene-d8
Concen: 55.366 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





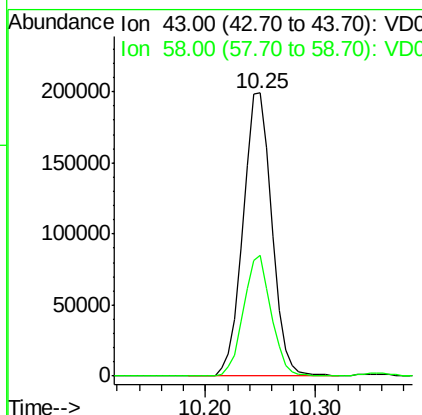
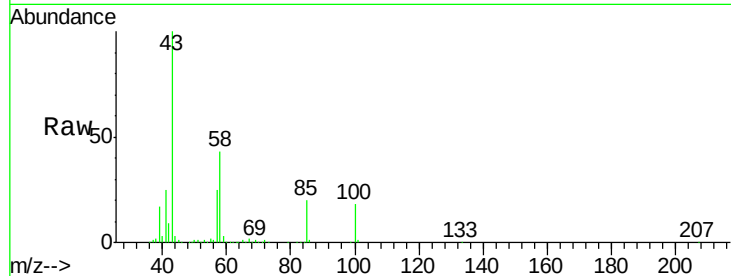
#51
4-Methyl-2-Pentanone
Concen: 237.380 ug/l
RT: 10.25 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

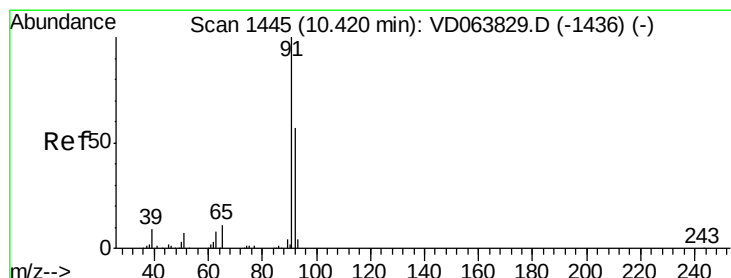
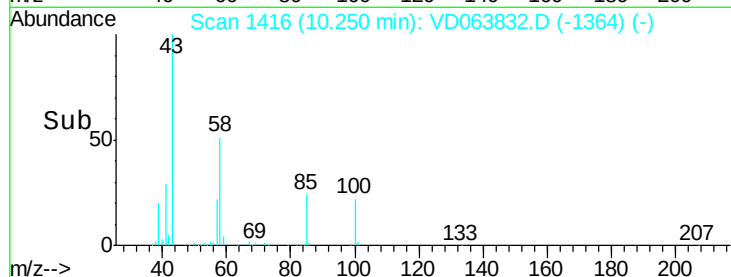
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.0	30.9	46.3

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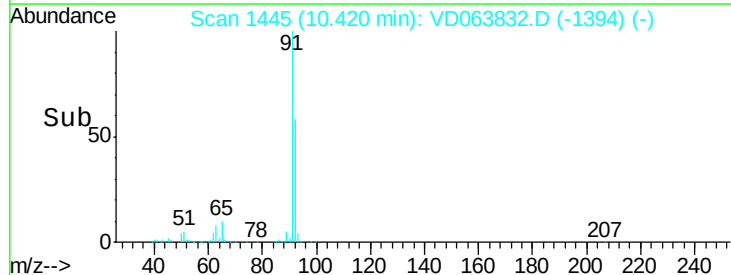
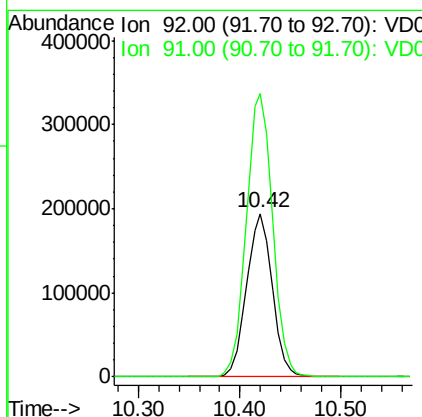
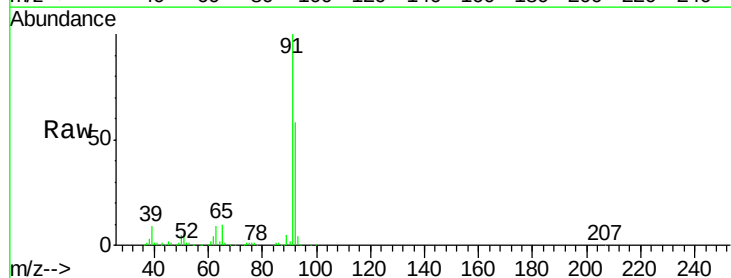


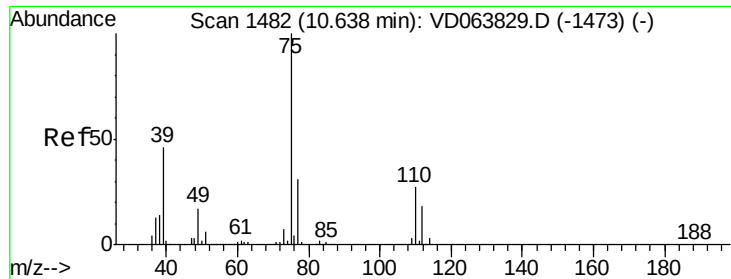
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#52
Toluene
Concen: 49.931 ug/l
RT: 10.42 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.0	139.7	209.5





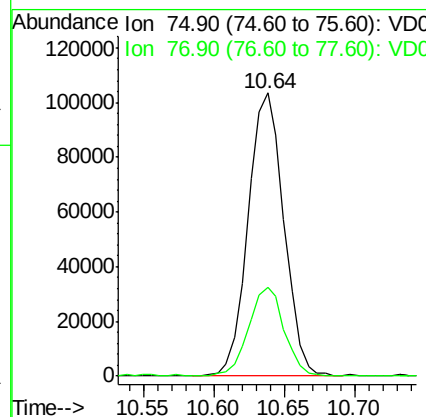
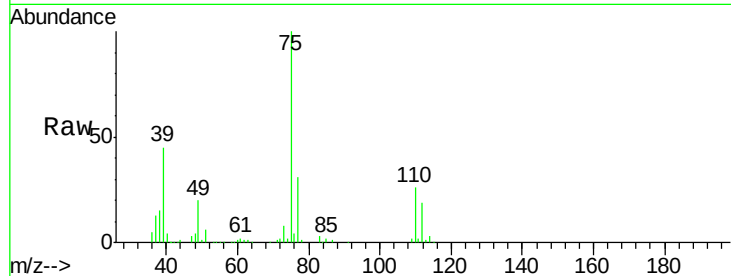
#53
t-1,3-Dichloropropene
Concen: 51.265 ug/l
RT: 10.64 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

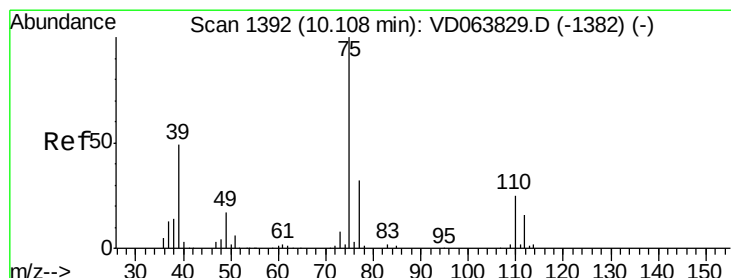
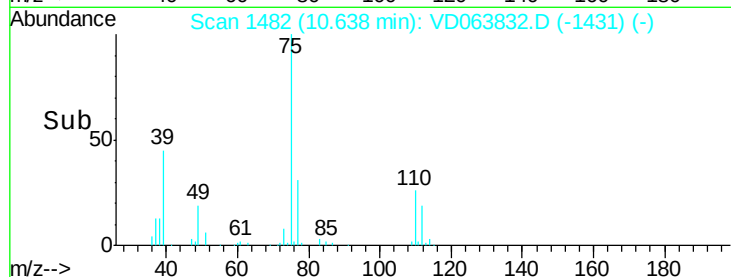
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

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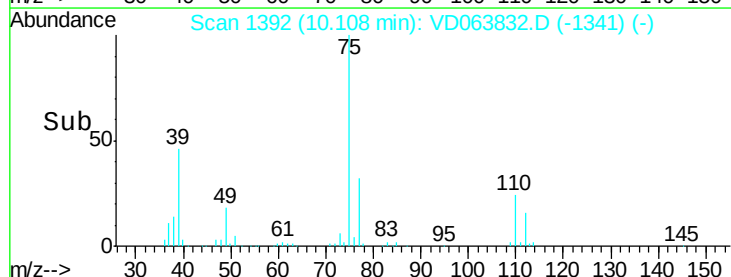
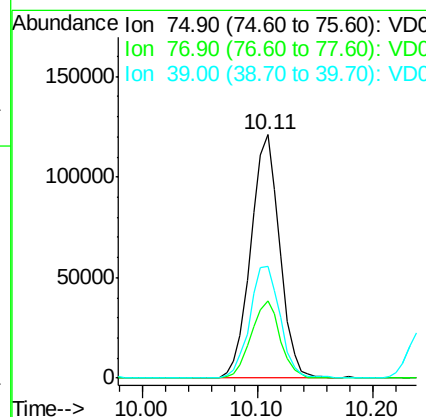
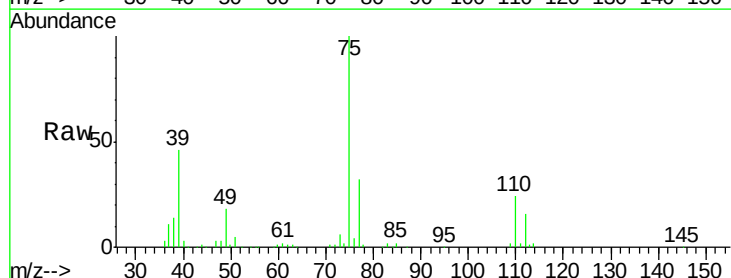


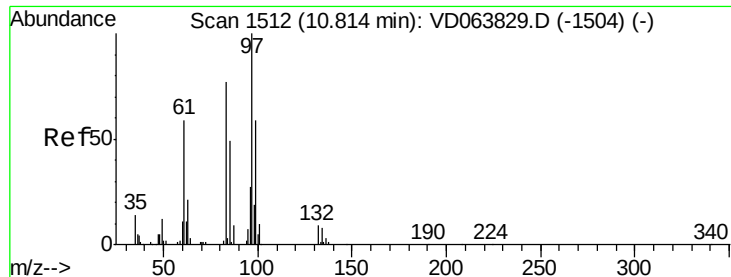
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#54
cis-1,3-Dichloropropene
Concen: 51.862 ug/l
RT: 10.11 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	45.5	39.5	59.3





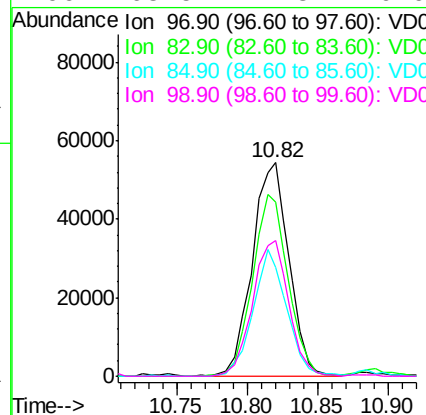
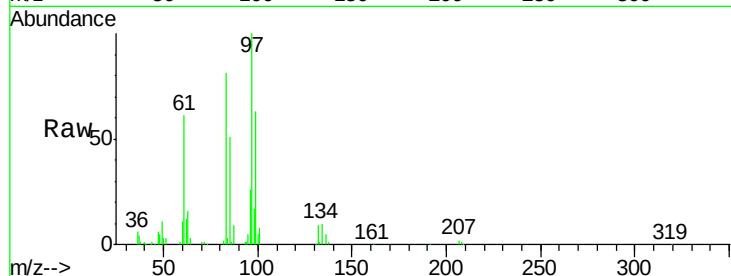
#55
 1,1,2-Trichloroethane
 Concen: 49.952 ug/l
 RT: 10.82 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

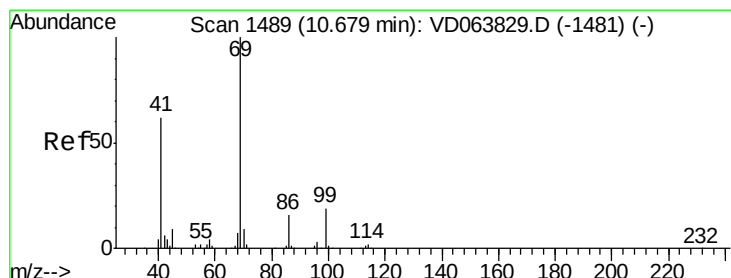
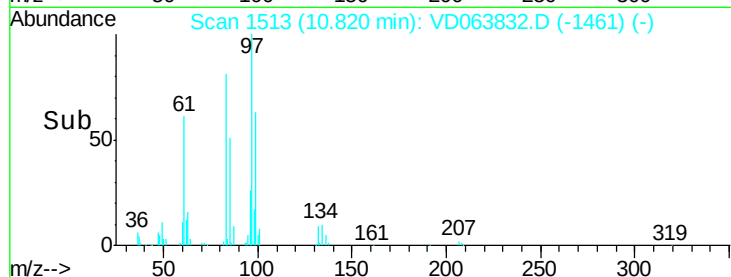
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99129		
83	81.5	61.9	92.9		
85	51.1	39.4	59.2		
99	63.5	47.3	70.9		

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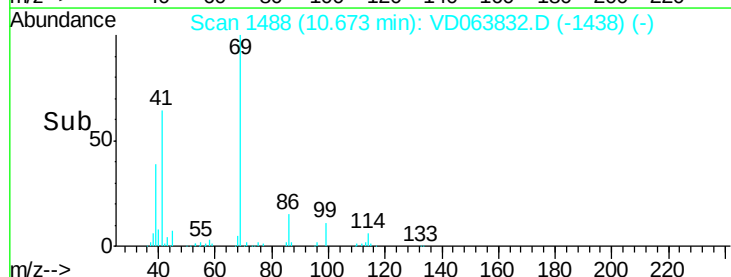
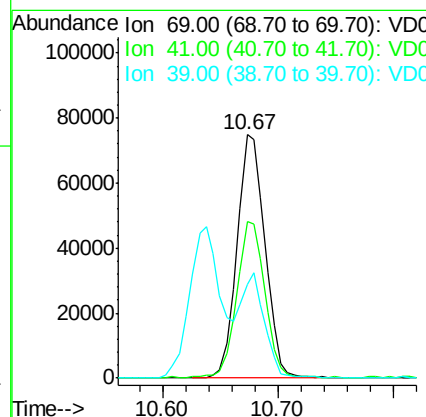
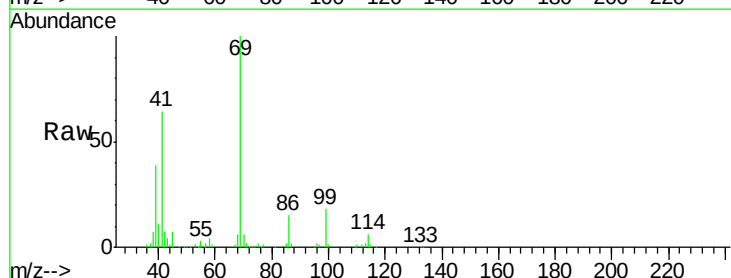


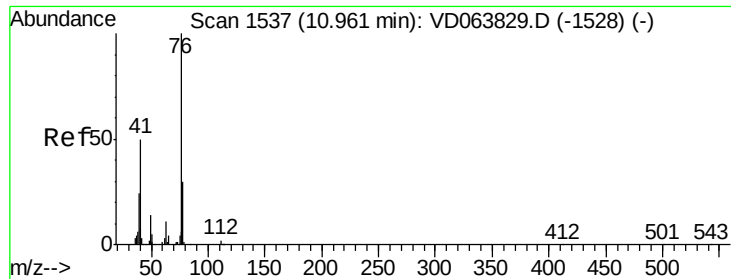
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#56
 Ethyl methacrylate
 Concen: 49.632 ug/l
 RT: 10.67 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		125184		
41	65.5	52.2	78.4		
39	36.7	28.7	43.1		





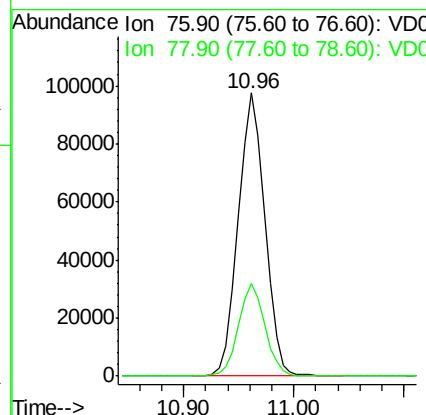
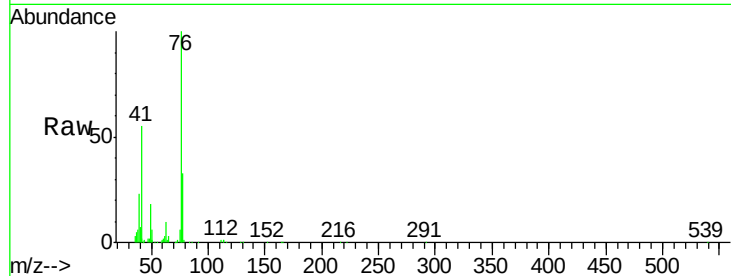
#57
 1,3-Dichloropropane
 Concen: 49.397 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD092519

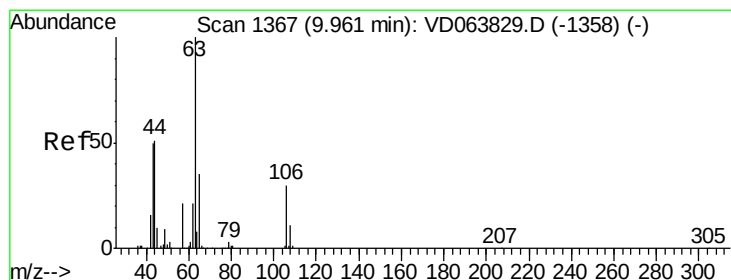
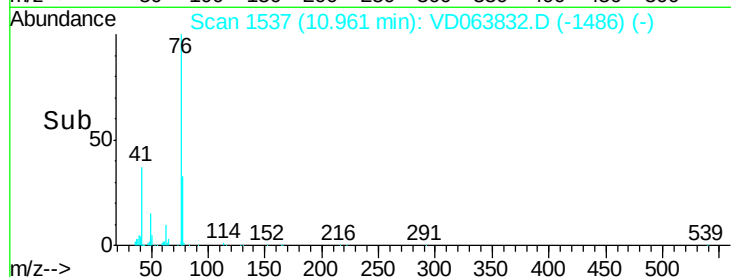
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

Manual Integrations
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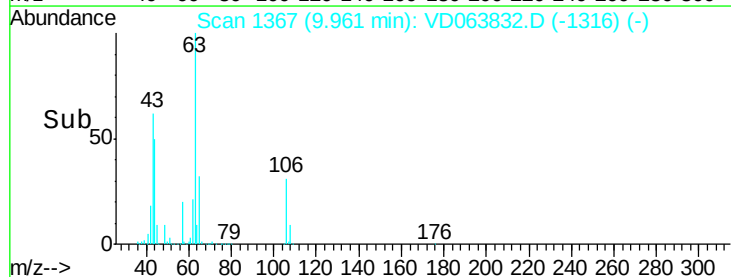
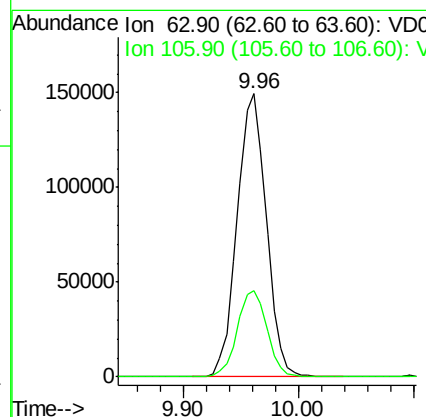
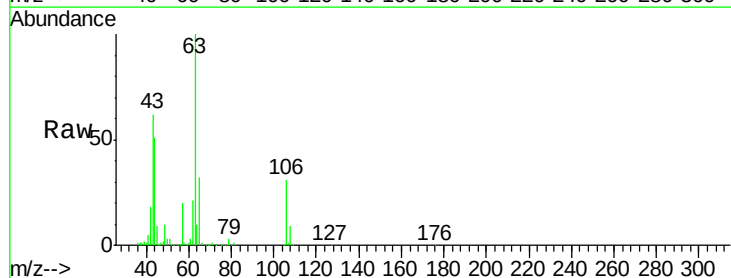


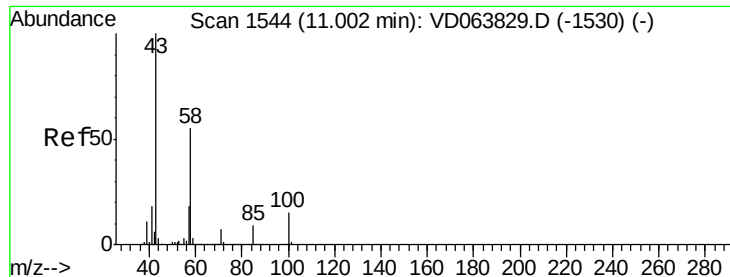
10/1/2019 9:26:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.718 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	23.4	35.0





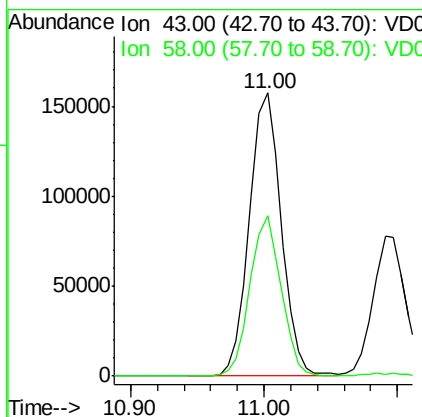
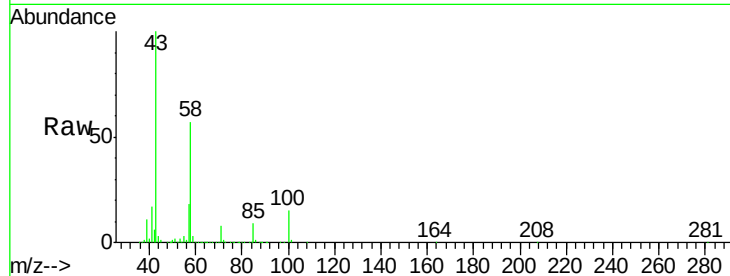
#59
2-Hexanone
Concen: 236.320 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

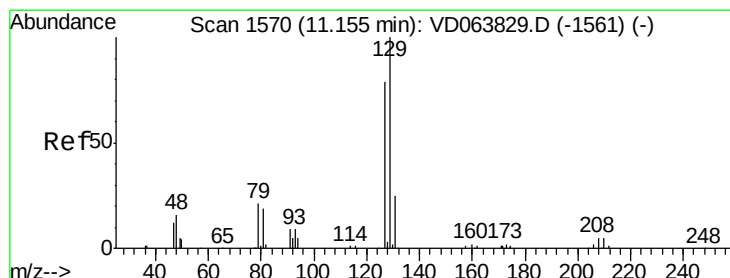
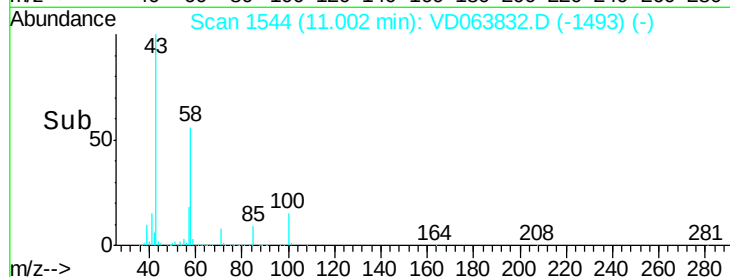
Tot Ion: 43 Resp: 260131
Ion Ratio Lower Upper
43 100
58 55.2 27.6 82.7

Manual Integrations
APPROVED

MMDadoda

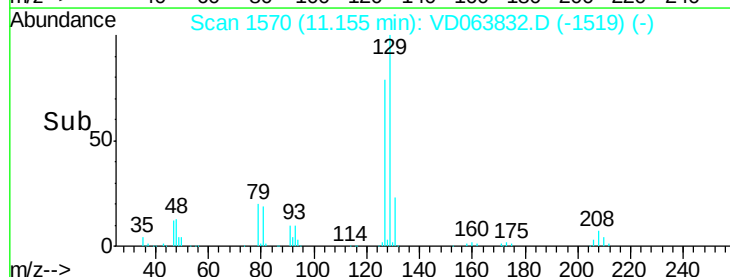
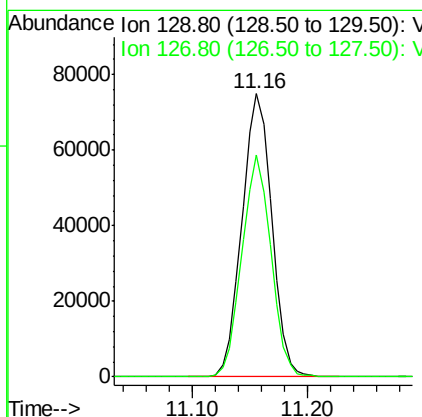
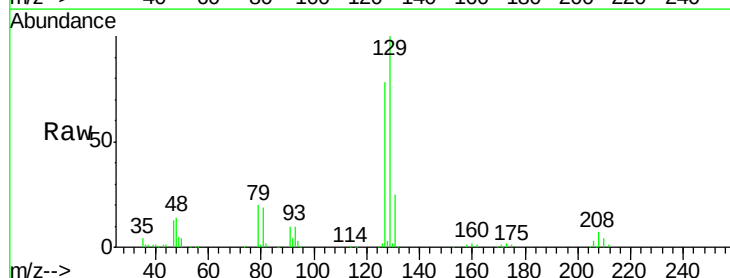


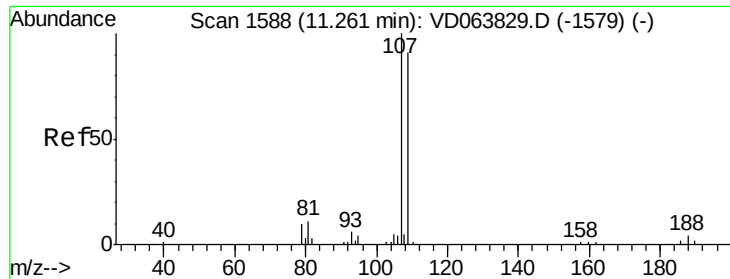
10/1/2019 9:26:22 AM



#60
Dibromochloromethane
Concen: 51.430 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion: 129 Resp: 134688
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.3





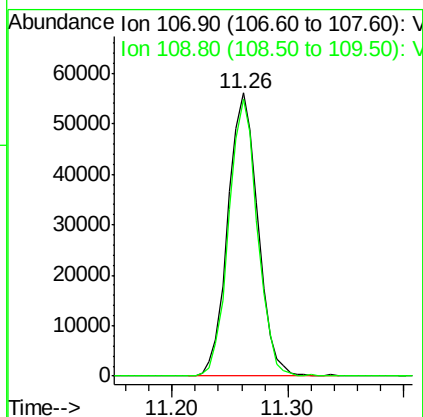
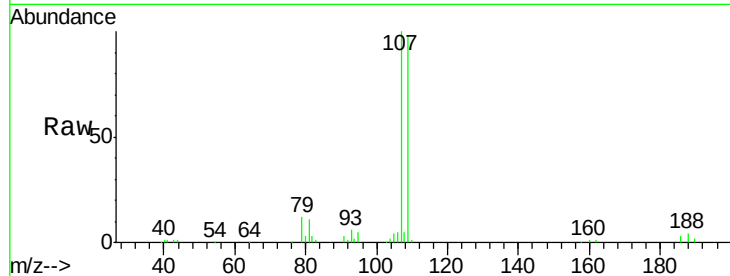
#61
 1,2-Dibromoethane
 Concen: 50.877 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

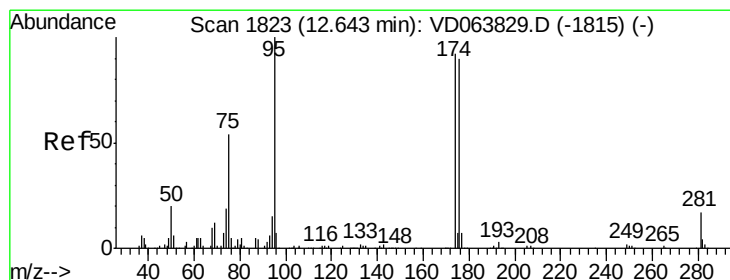
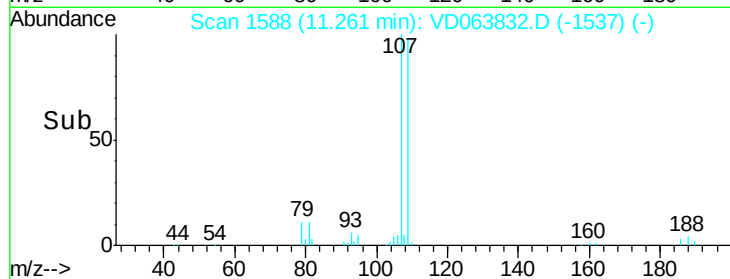
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.9	112.3

Manual Integrations
 APPROVED

MMDadoda

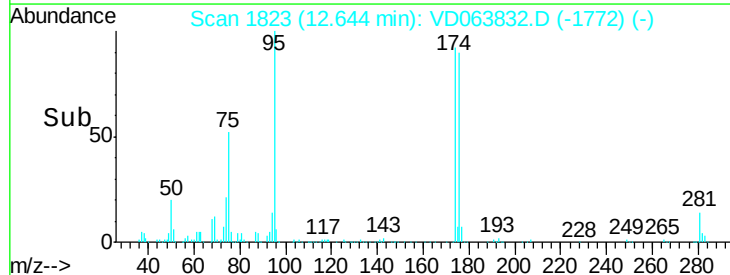
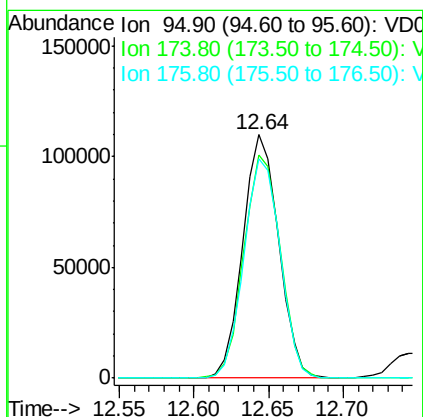
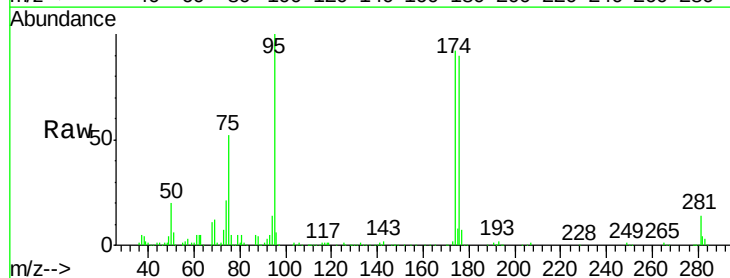


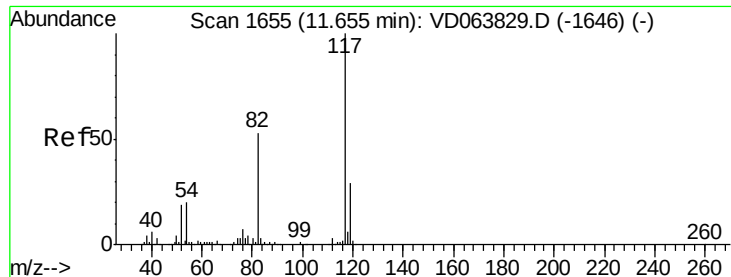
10/1/2019 9:26:22 AM



#62
 4-Bromofluorobenzene
 Concen: 53.139 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	183.2
176	91.2	0.0	177.4





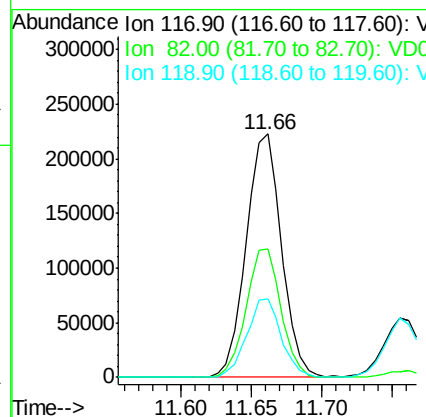
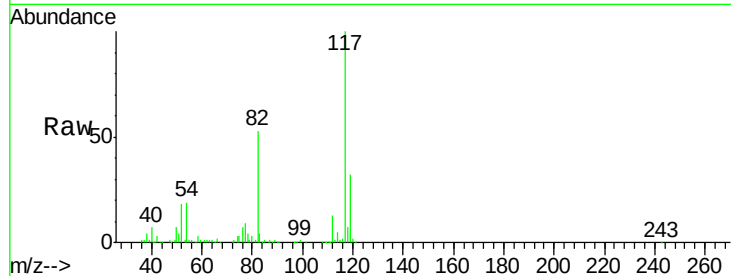
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

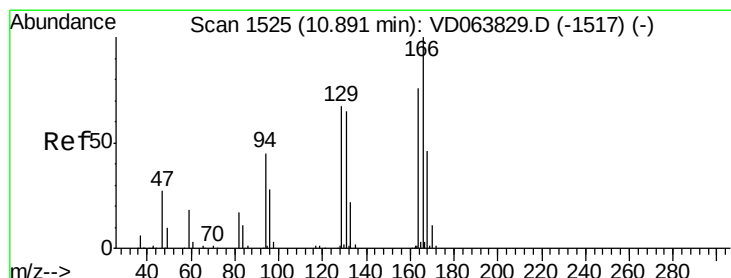
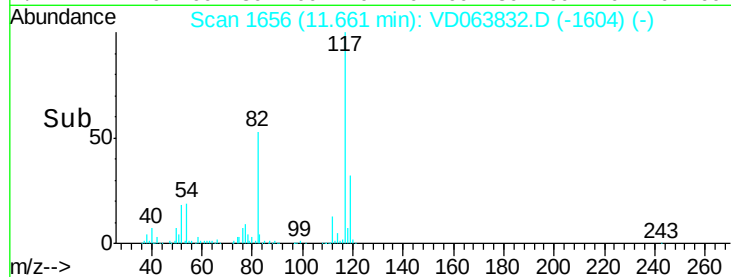
Tot Ion	Ratio	Resp	Lower	Upper
117	100	391113		
82	52.8	42.4	63.6	
119	32.5	23.5	35.3	

Manual Integrations
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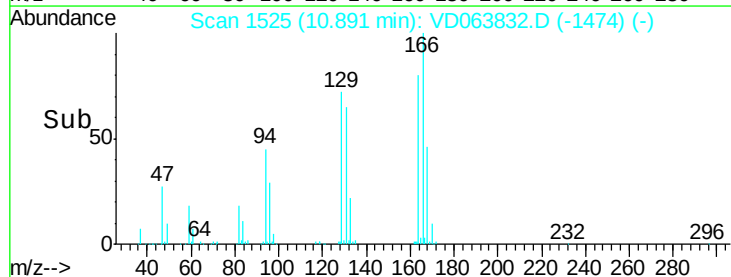
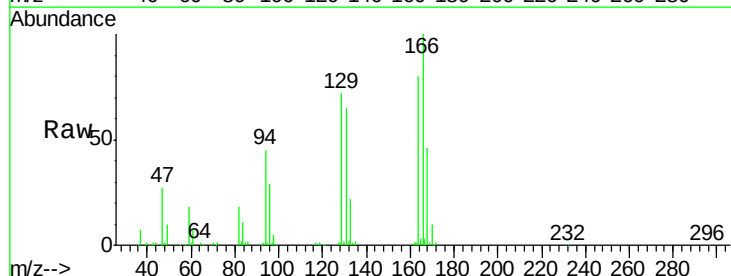
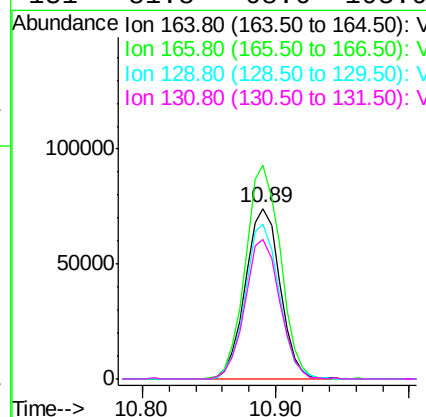


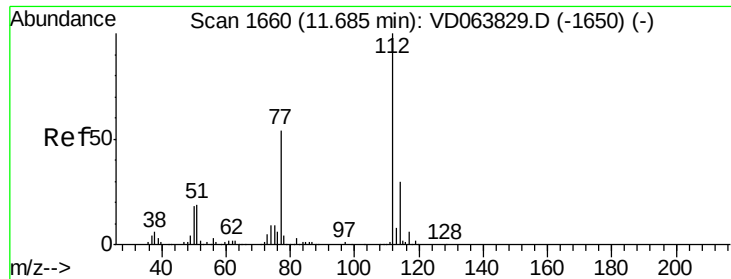
10/1/2019 9:26:22 AM



#64
Tetrachloroethene
Concen: 50.503 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133054		
166	125.1	105.5	158.3	
129	90.6	70.2	105.4	
131	81.8	68.6	103.0	





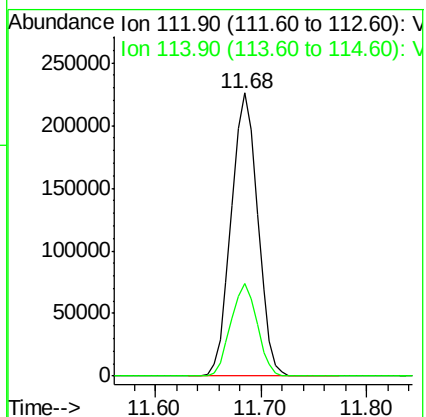
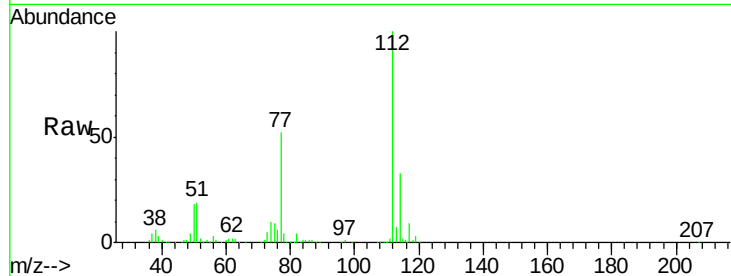
#65
Chlorobenzene
Concen: 49.931 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

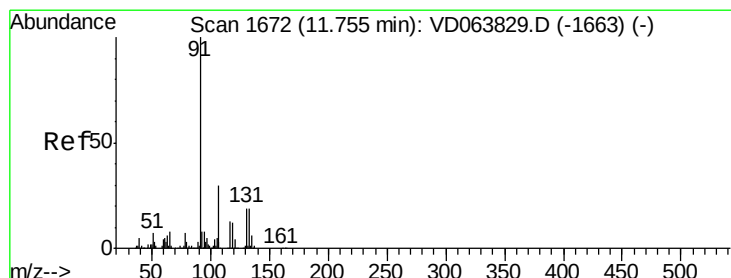
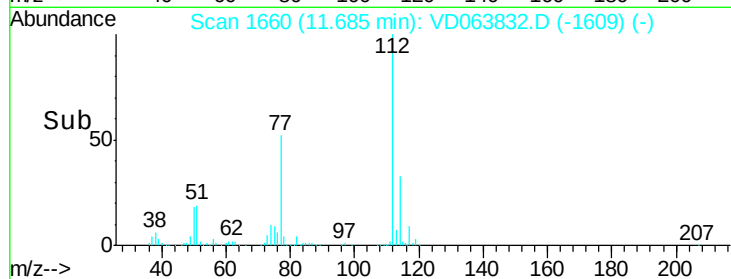
Tot Ion	Ratio	Resp	Lower	Upper
112	100	392830		
114	32.7	24.2	36.2	

Manual Integrations
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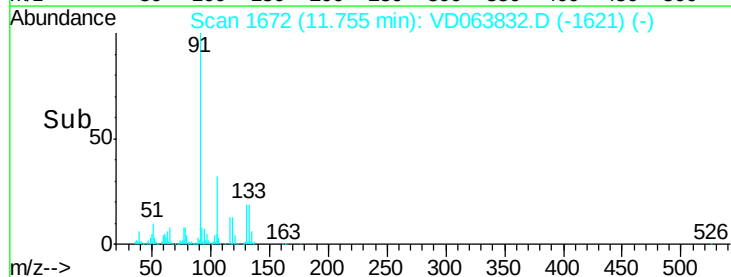
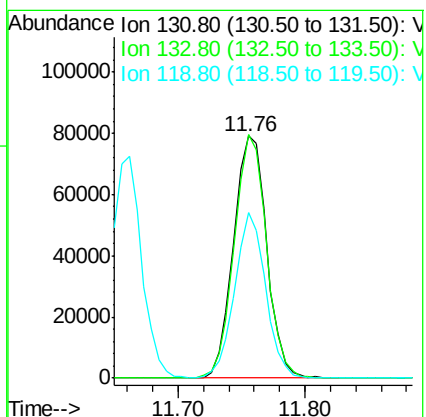
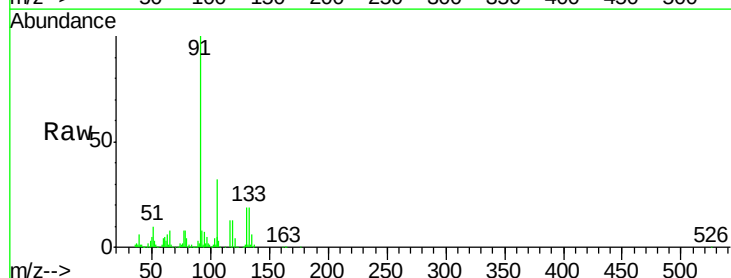


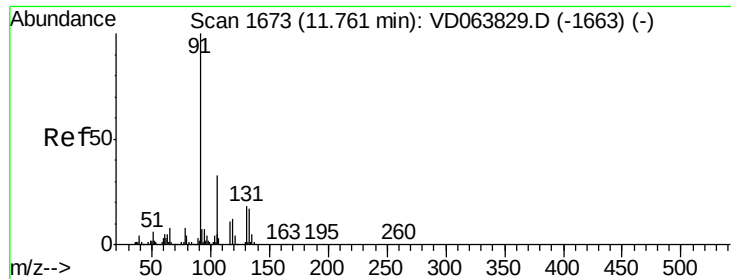
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.529 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	143206		
133	97.7	47.4	142.3	
119	64.0	31.6	94.8	





#67

Ethyl Benzene

Concen: 49.021 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD092519

Tot Ion: 91 Resp: 696651

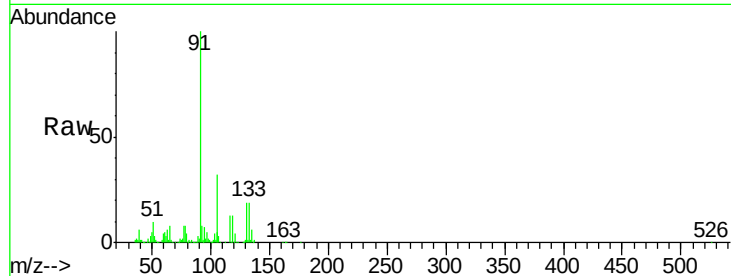
Ion Ratio Lower Upper

91 100

106 32.0 26.6 40.0

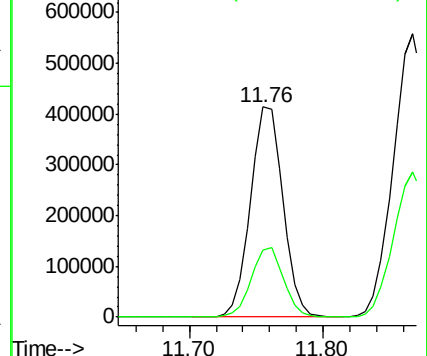
Manual Integrations
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MMDadoda

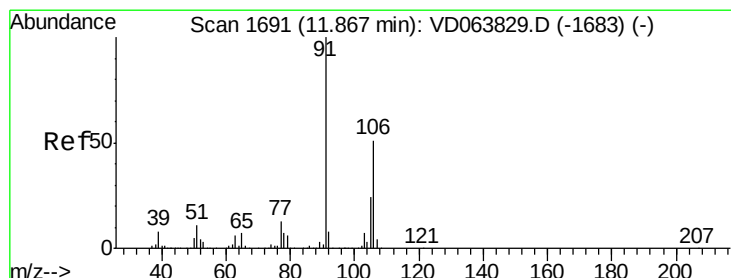
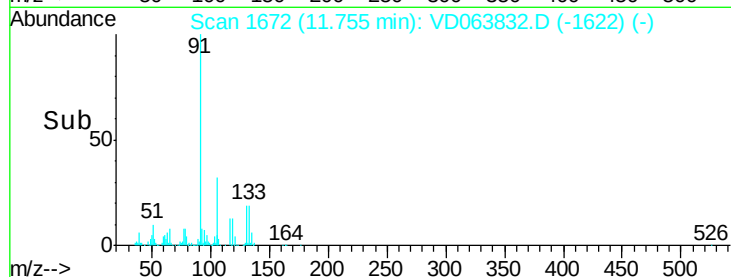


Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 106.00 (105.70 to 106.70): V



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#68

m/p-Xylenes

Concen: 99.716 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063832.D

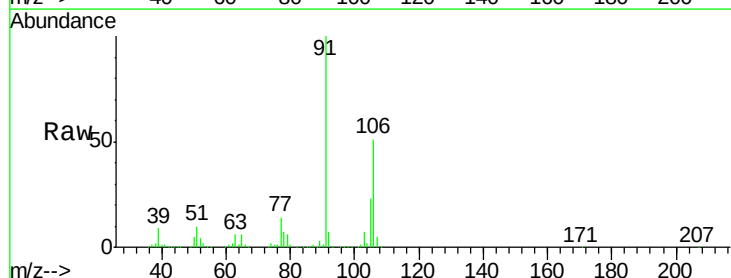
Acq: 25 Sep 2019 19:43

Tgt Ion: 106 Resp: 544181

Ion Ratio Lower Upper

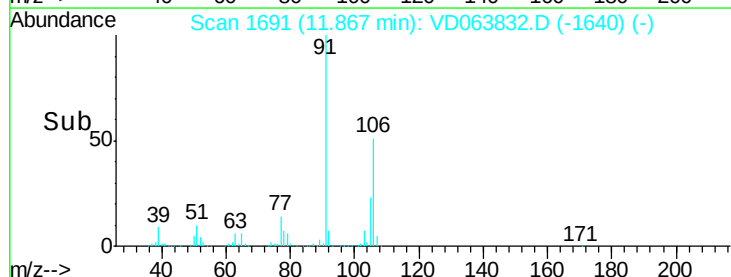
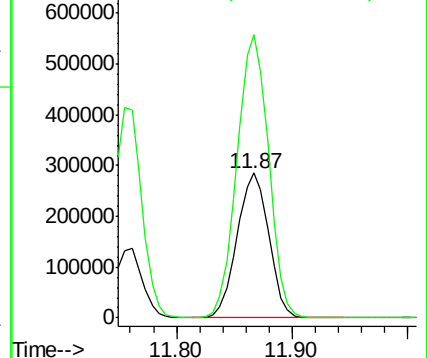
106 100

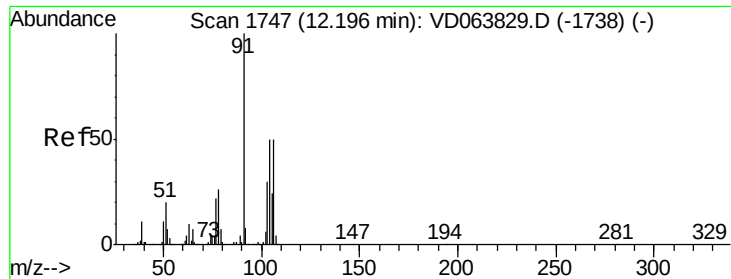
91 194.6 157.6 236.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD0





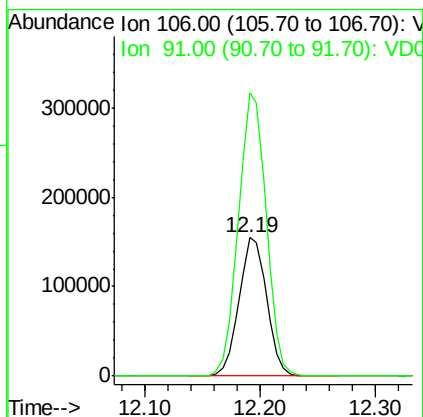
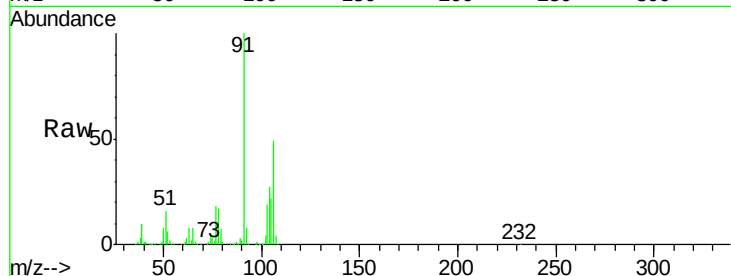
#69
o-Xylene
Concen: 50.000 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

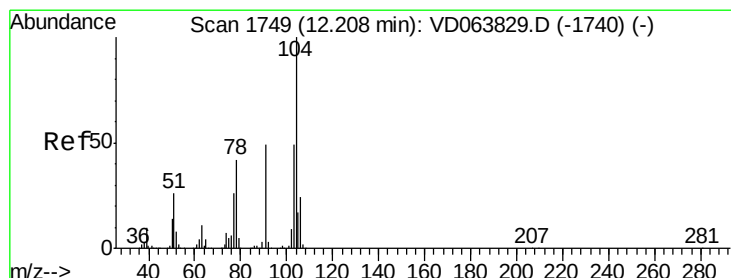
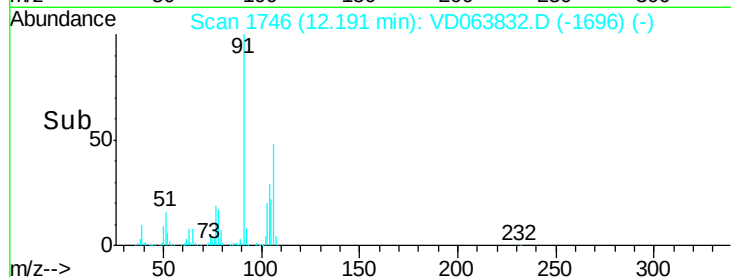
Tot Ion	Ratio	Resp	Lower	Upper
106	100	257545		
91	205.8	102.4	307.1	

Manual Integrations
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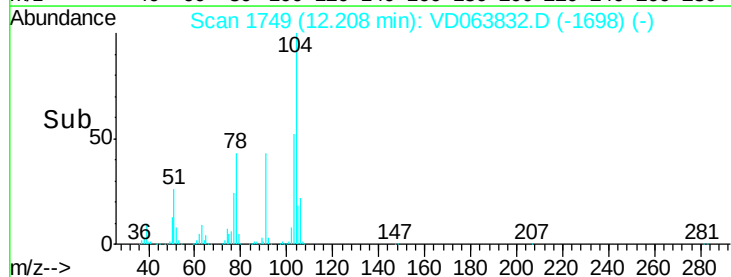
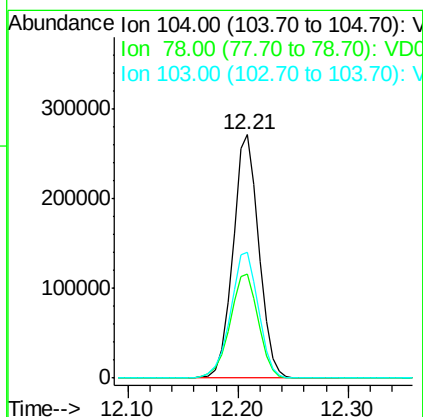
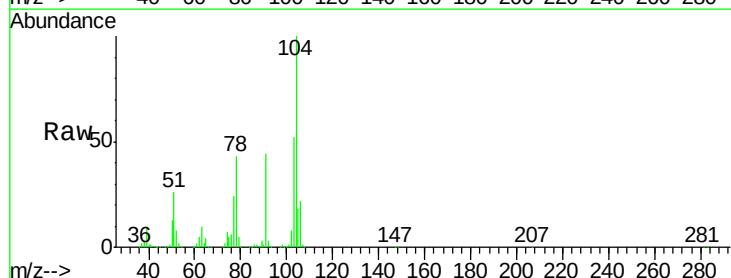


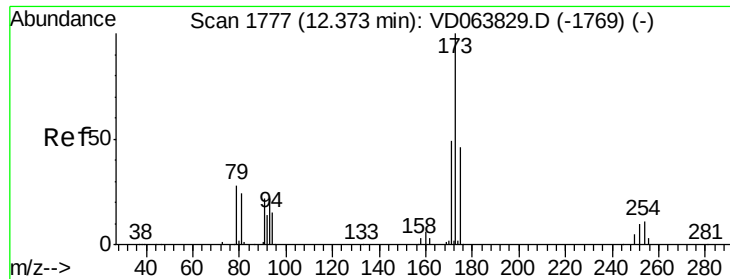
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#70
Styrene
Concen: 51.068 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	445189		
78	47.0	37.3	55.9	
103	55.9	44.2	66.4	





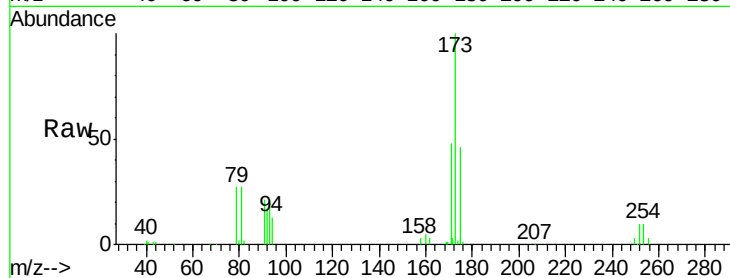
#71
Bromoform
Concen: 52.024 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

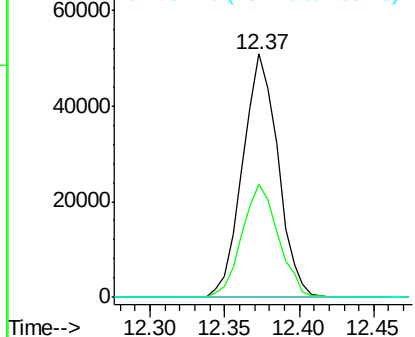
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.3	69.8
254	0.1	0.1	0.1

Manual Integrations
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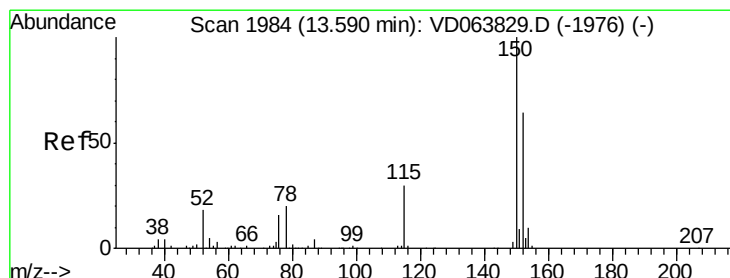
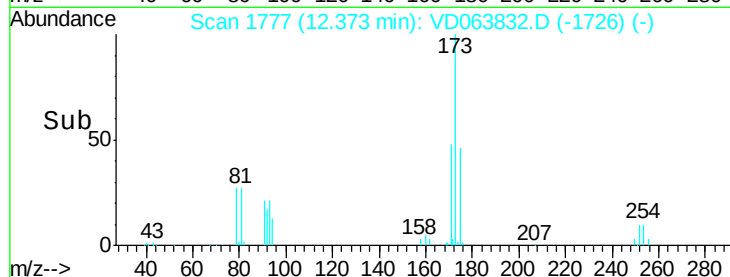
MMDadoda



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

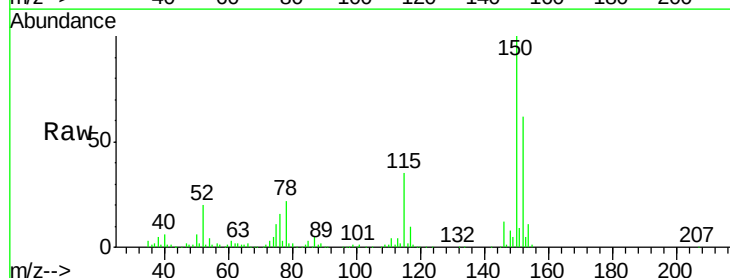


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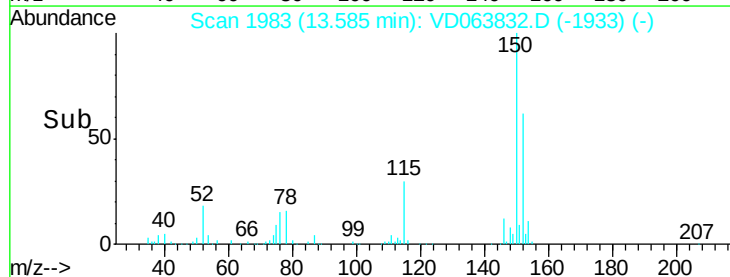
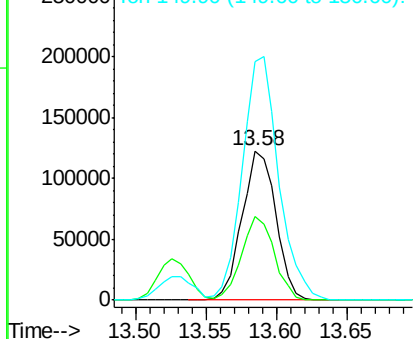


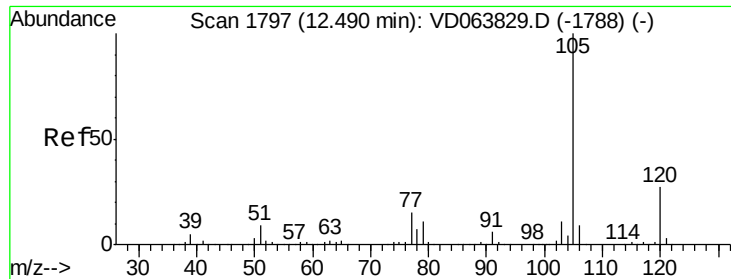
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.0	81.0
150	175.3	0.0	344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.442 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

ClientSampleId :

ICVVD092519

Tot Ion:105 Resp: 694924

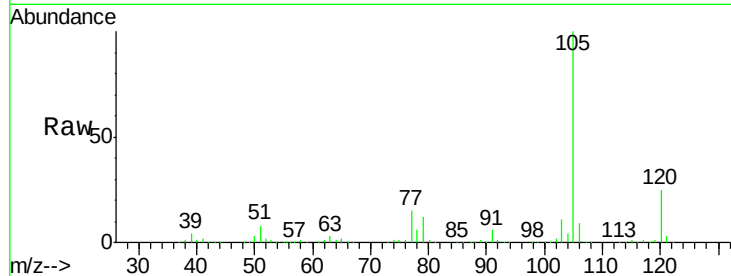
Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0

Manual Integrations
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MMDadoda



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

400000

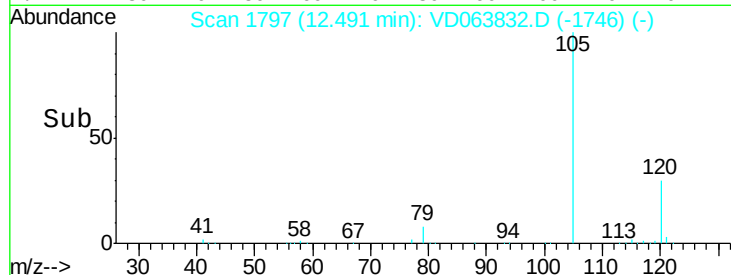
300000

200000

100000

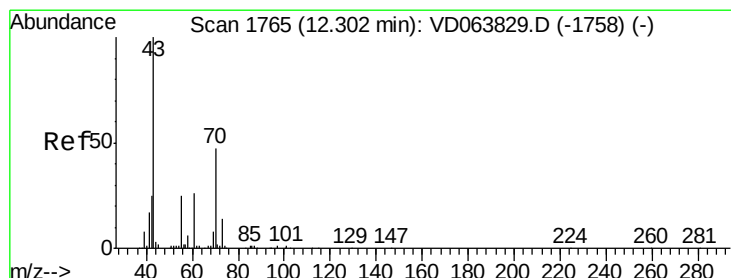
0

Time-->



Time-->

10/1/2019 9:26:22 AM



#74

N-ethyl acetate

Concen: 47.265 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion: 43 Resp: 145423

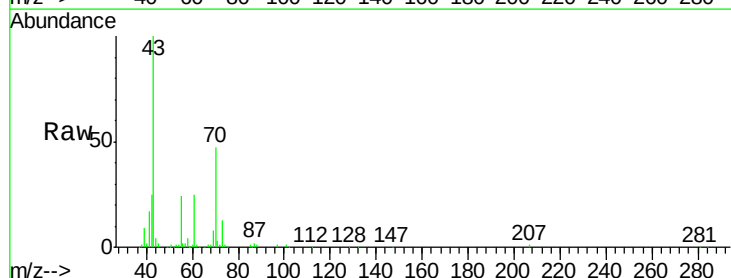
Ion Ratio Lower Upper

43 100

70 45.6 35.0 52.6

55 23.5 19.8 29.6

61 25.5 19.6 29.4



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

12.30

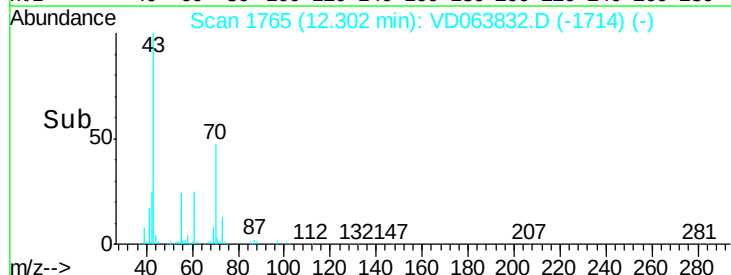
150000

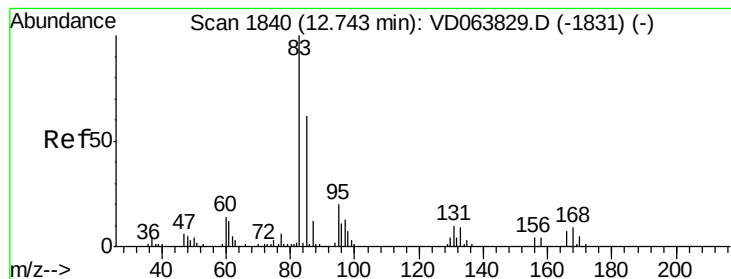
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.632 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Instrument :

MSVOA_D

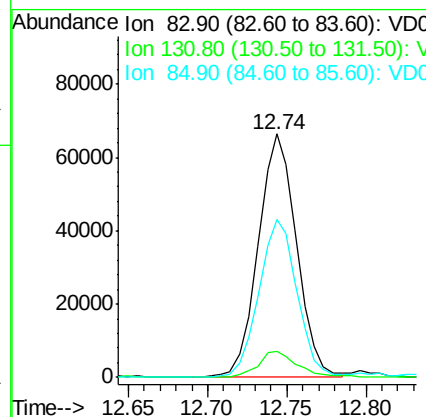
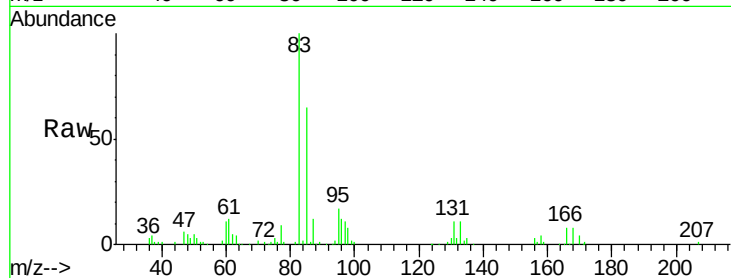
ClientSampleId :

ICVVD092519

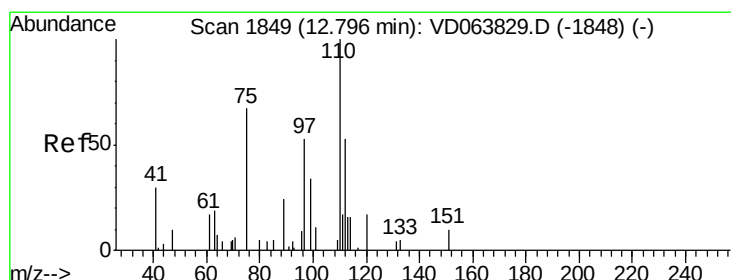
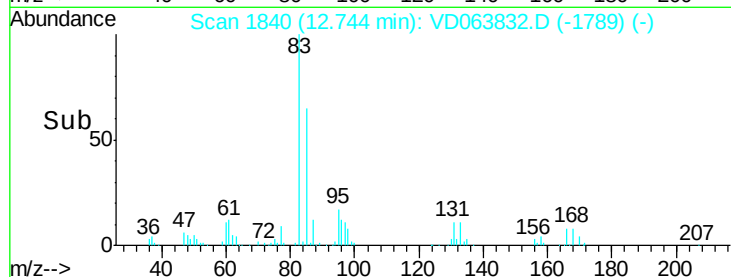
Tot Ion:	83	Resp:	111590
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.8	31.9	95.7

Manual Integrations
APPROVED

MMDadoda



10/1/2019 9:26:22 AM



#76

1,2,3-Trichloropropane

Concen: 57.001 ug/l m

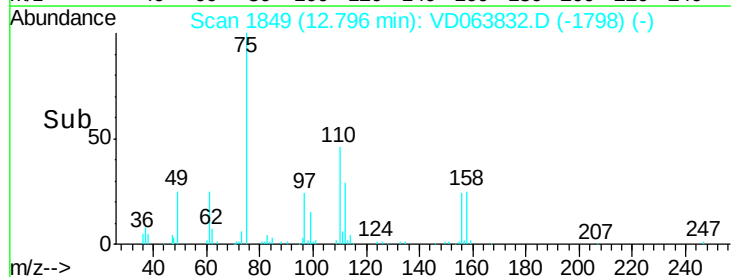
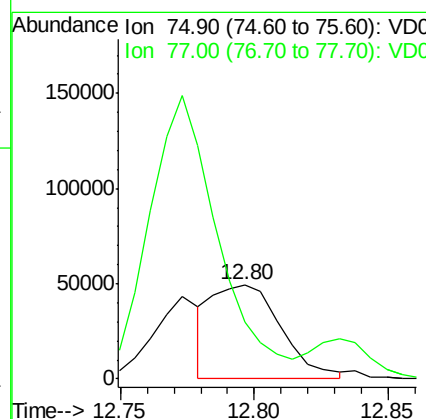
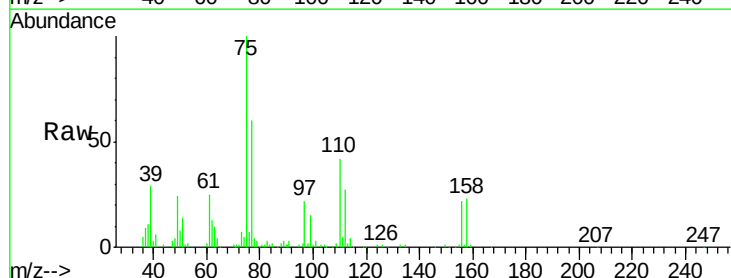
RT: 12.80 min Scan# 1849

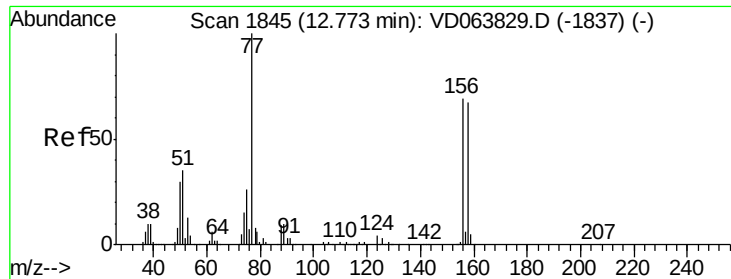
Delta R.T. 0.00 min

Lab File: VD063832.D

Acq: 25 Sep 2019 19:43

Tgt Ion:	75	Resp:	88939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





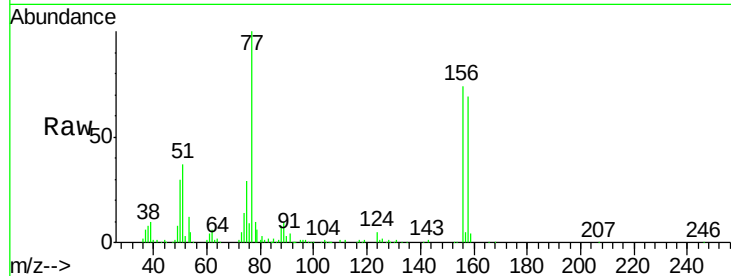
#77
Bromobenzene
Concen: 51.359 ug/l
RT: 12.77 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

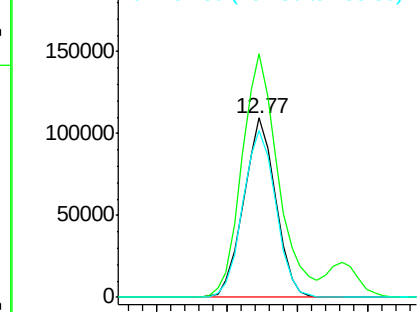
Tot Ion	Ratio	Lower	Upper
156	100		
77	155.1	79.8	239.4
158	96.5	47.9	143.7

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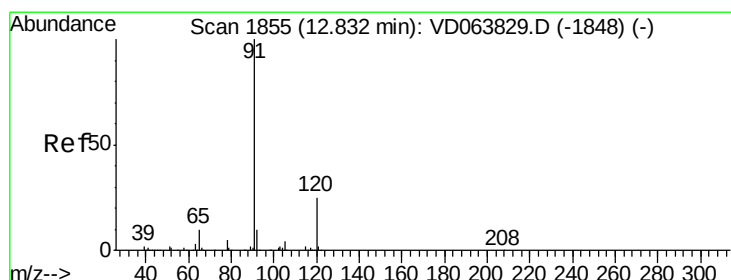
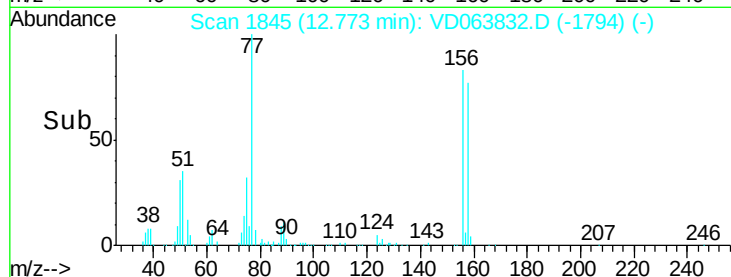
MMDadoda



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): V
Ion 157.80 (157.50 to 158.50): V

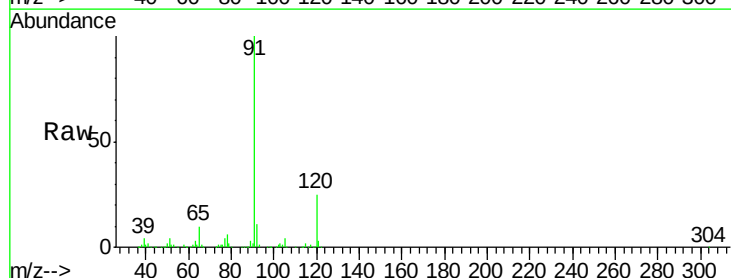


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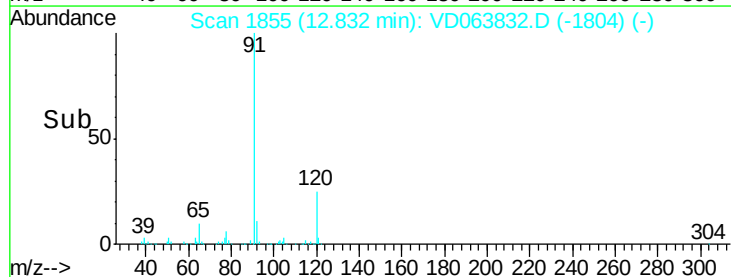
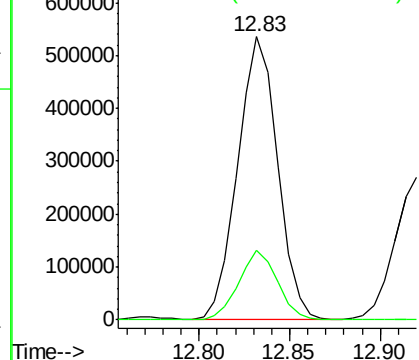


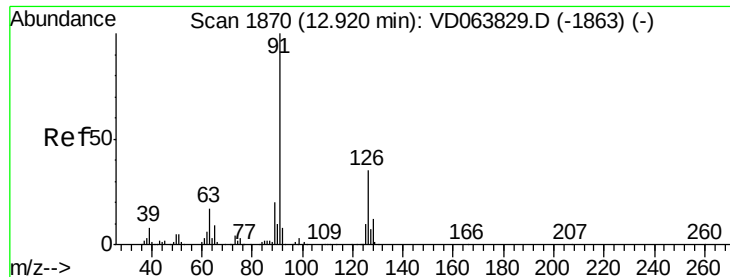
#78
n-propylbenzene
Concen: 49.467 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





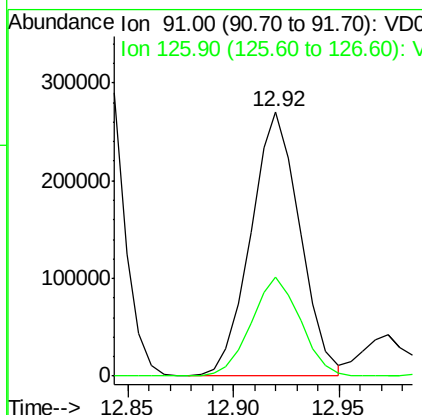
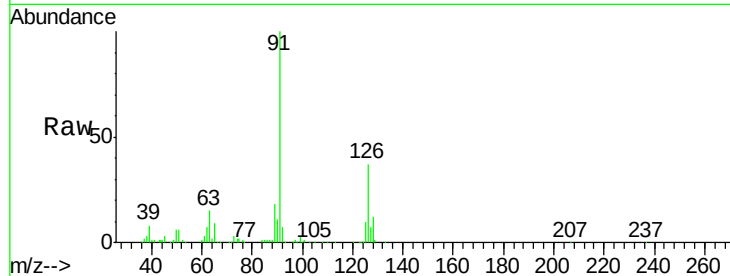
#79
 2-Chlorotoluene
 Concen: 49.004 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

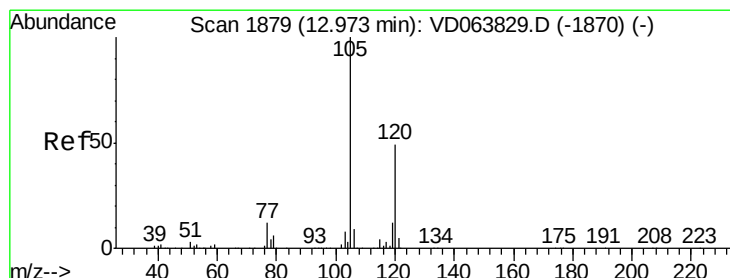
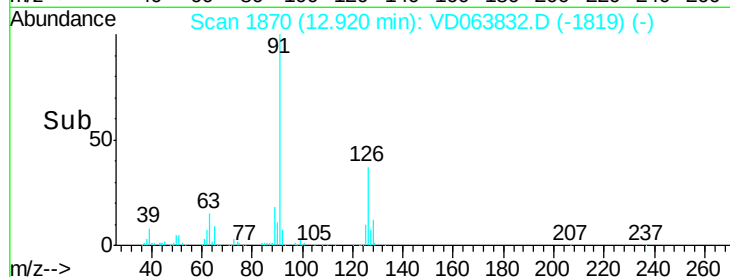
Tot Ion	Ratio	Lower	Upper
91	100		
126	37.6	17.8	53.5

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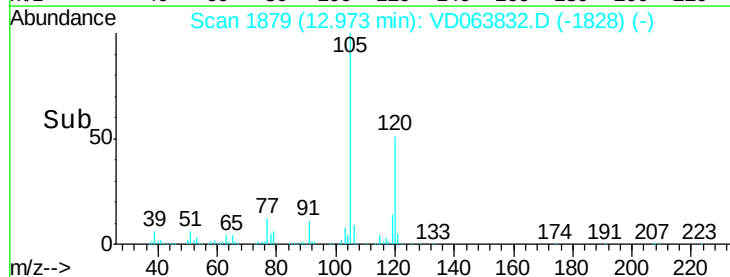
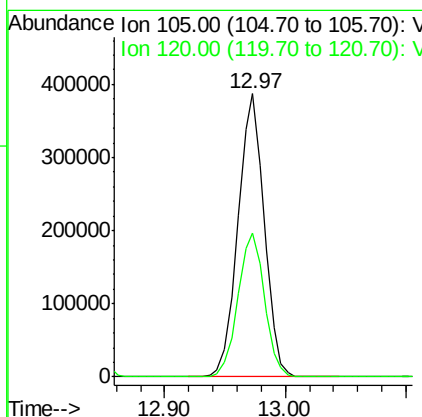
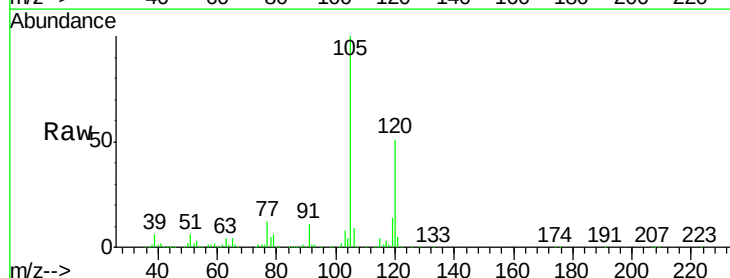


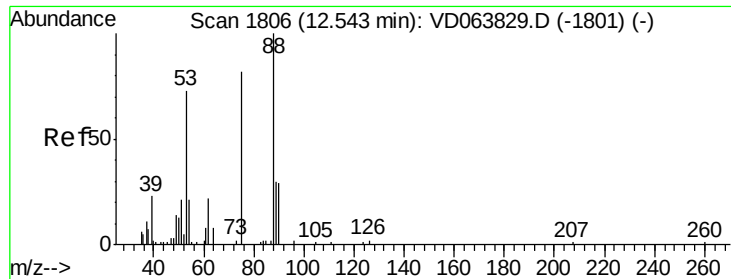
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.128 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.4	24.9	74.8





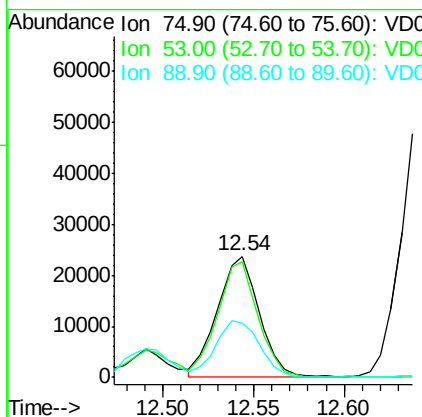
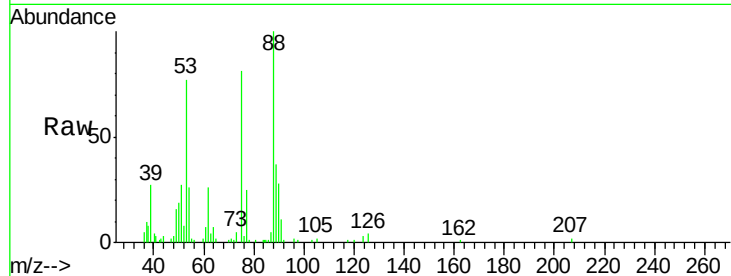
#81
trans-1,4-Dichloro-2-butene
Concen: 49.021 ug/l
RT: 12.54 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

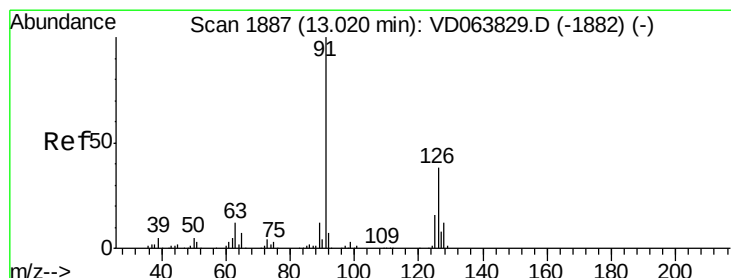
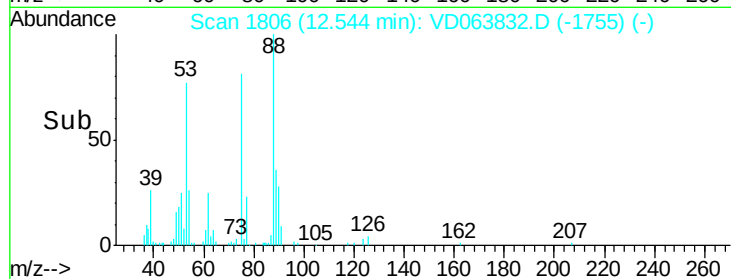
Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	76.5	114.7
89	48.8	37.0	55.6

Manual Integrations
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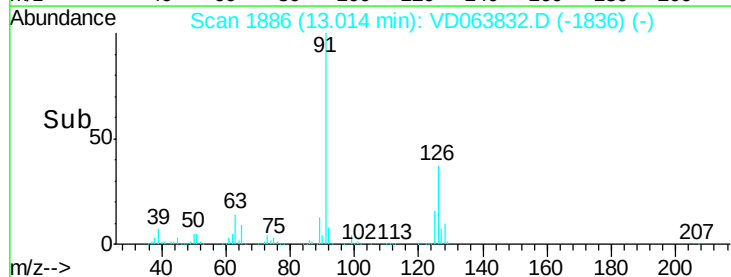
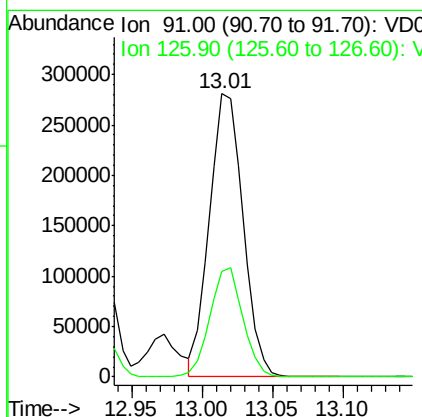
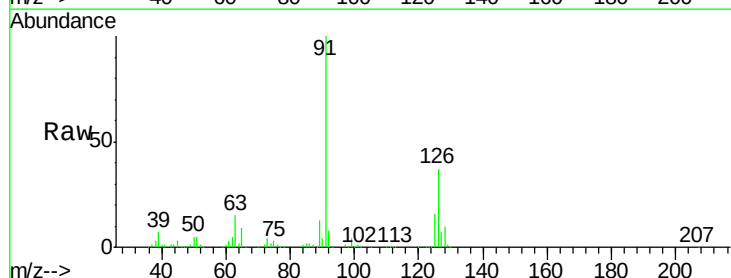


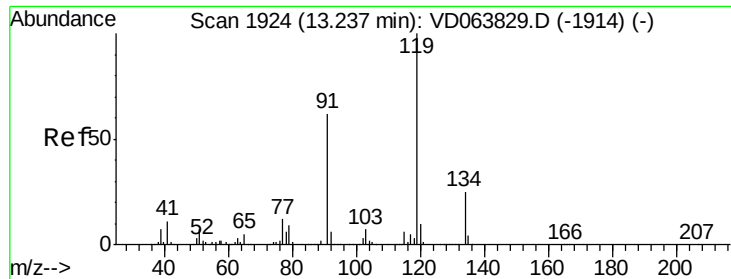
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#82
4-Chlorotoluene
Concen: 48.902 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.6	55.6





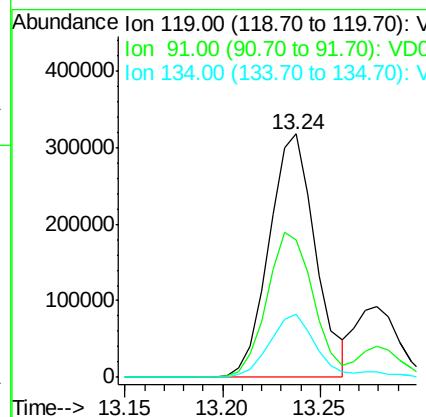
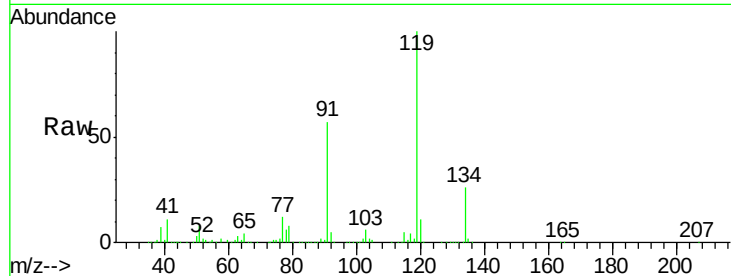
#83
 tert-Butylbenzene
 Concen: 51.079 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

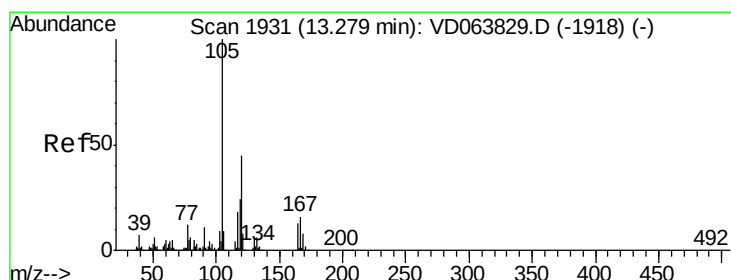
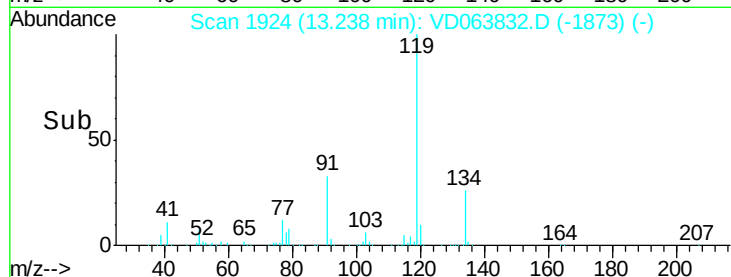
Tot Ion	Ratio	Resp	Lower	Upper
119	100	522932		
91	59.7		30.8	92.3
134	27.0		13.2	39.6

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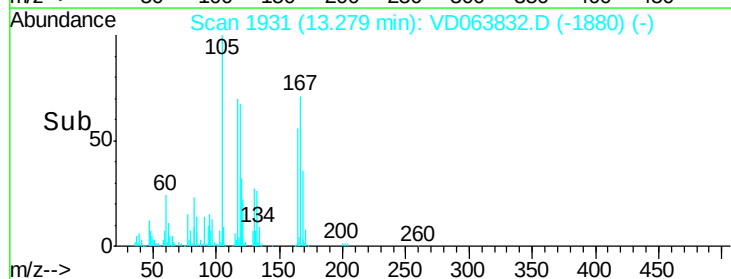
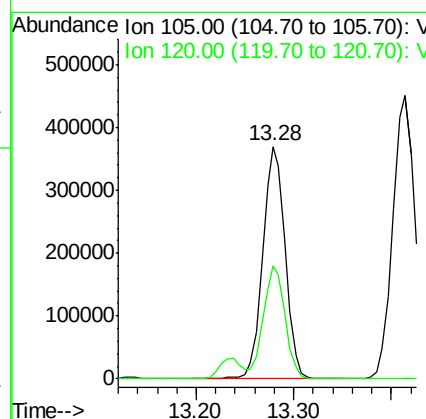
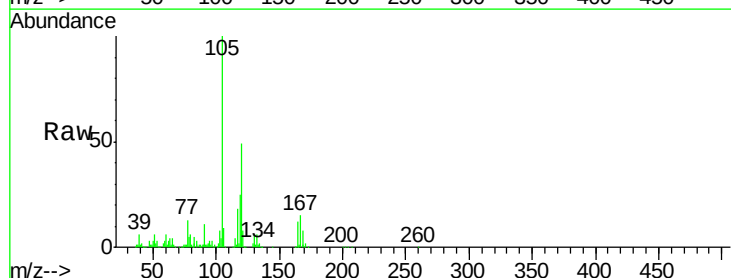


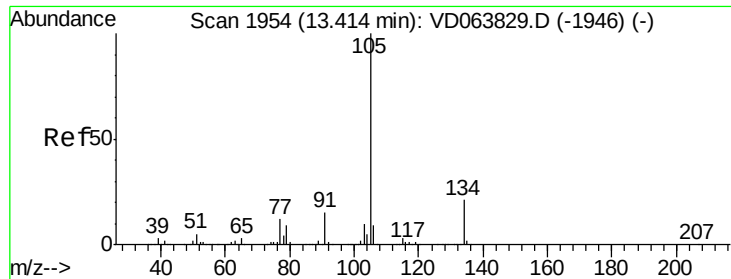
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.222 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	597388		
120	47.6		23.0	69.0





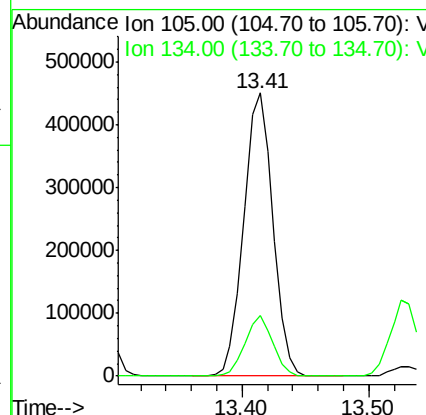
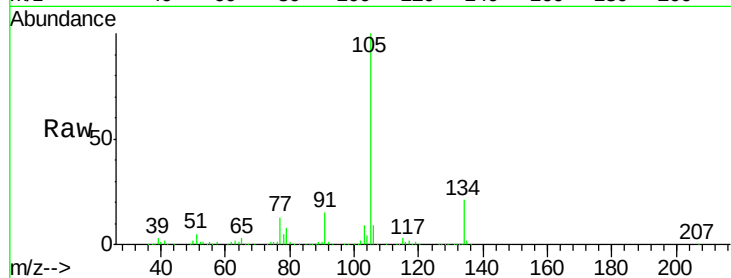
#85
 sec-Butylbenzene
 Concen: 50.300 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

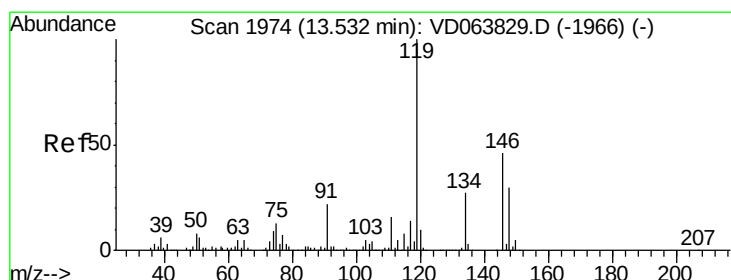
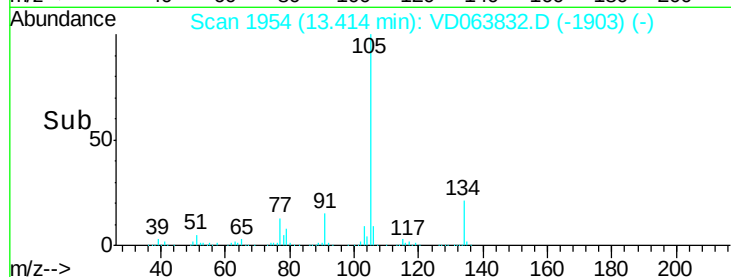
Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.7	31.9

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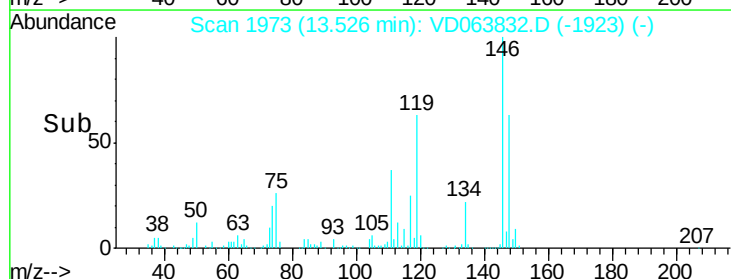
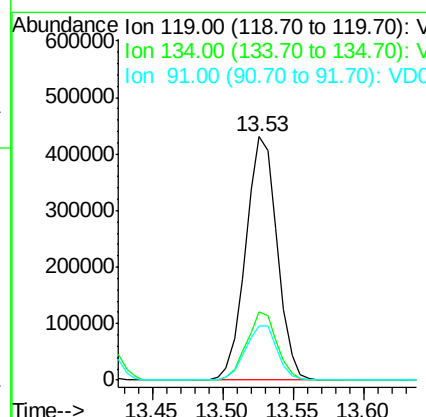
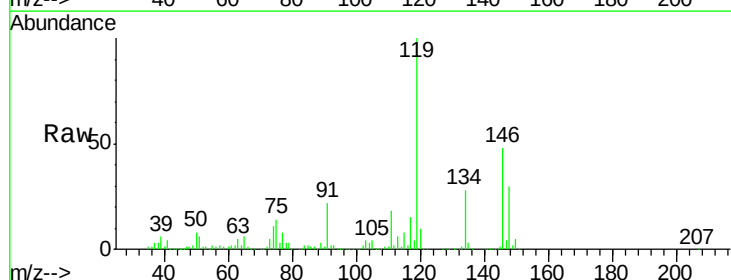


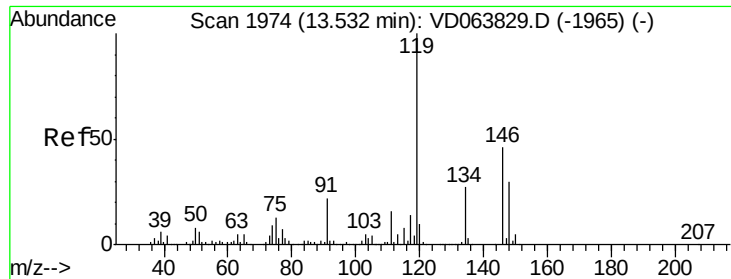
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#86
 p-Isopropyltoluene
 Concen: 50.133 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.2	39.6
91	22.8	11.4	34.1





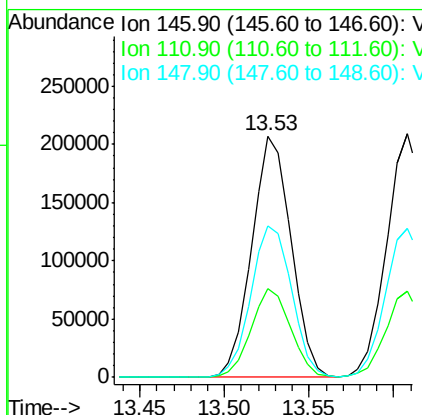
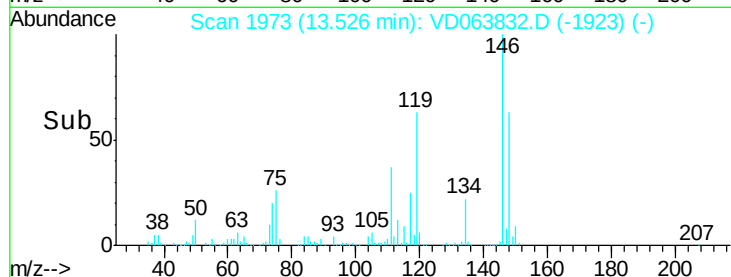
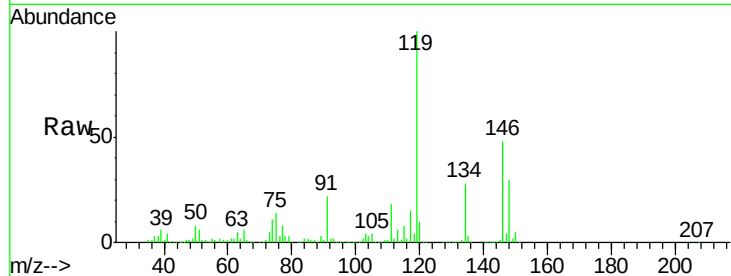
#87
 1,3-Dichlorobenzene
 Concen: 50.938 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

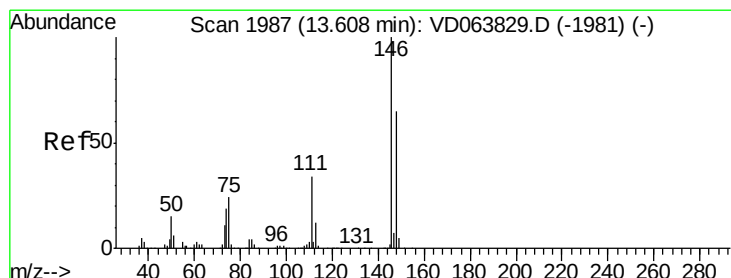
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	64.8	31.8	95.4

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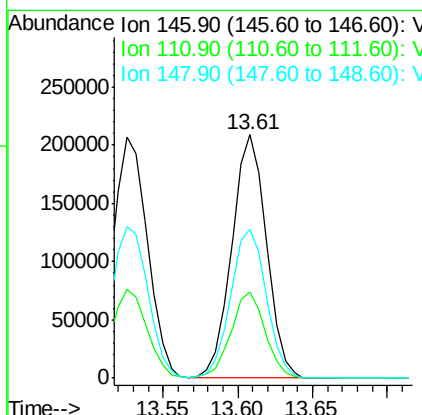
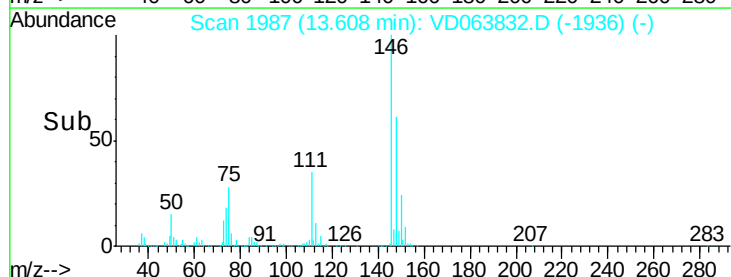
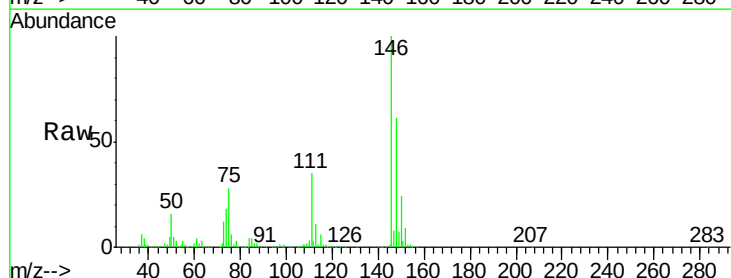


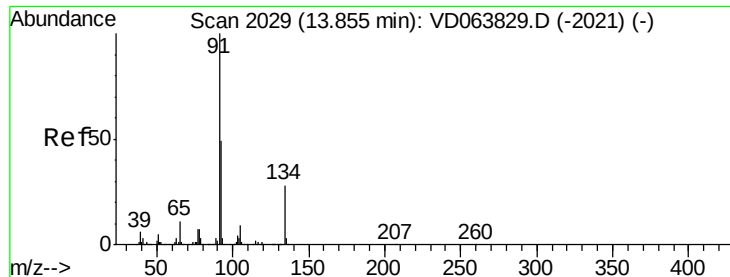
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#88
 1,4-Dichlorobenzene
 Concen: 51.206 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.5	55.5
148	63.1	33.0	99.0





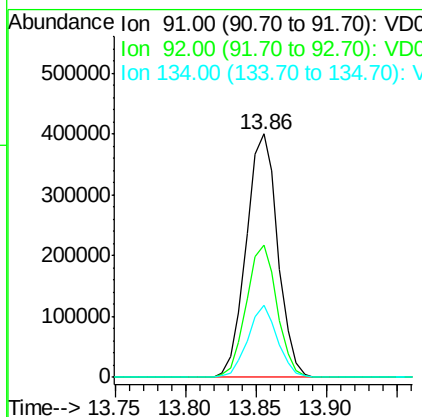
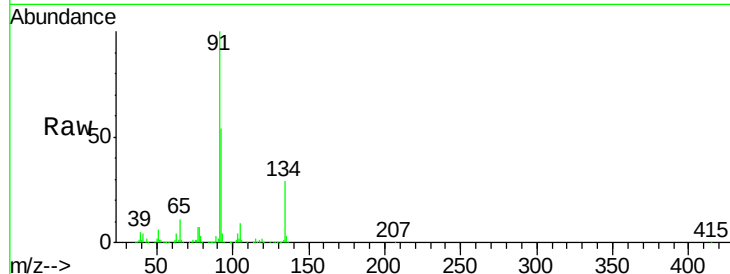
#89
n-Butylbenzene
Concen: 49.208 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

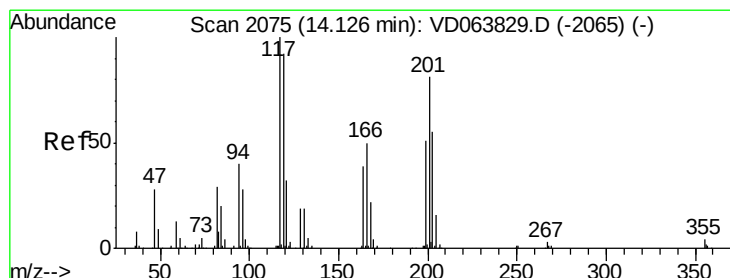
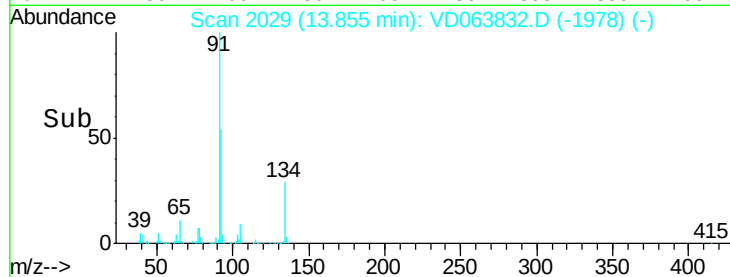
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.1	78.2
134	27.9	14.0	41.9

Manual Integrations
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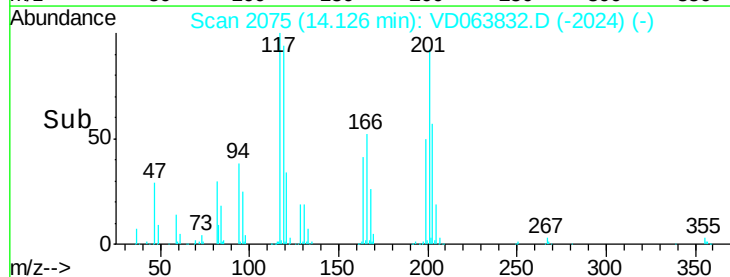
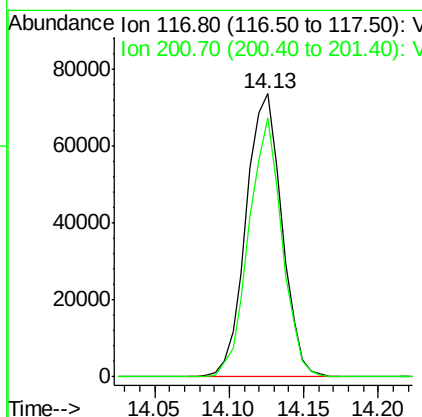
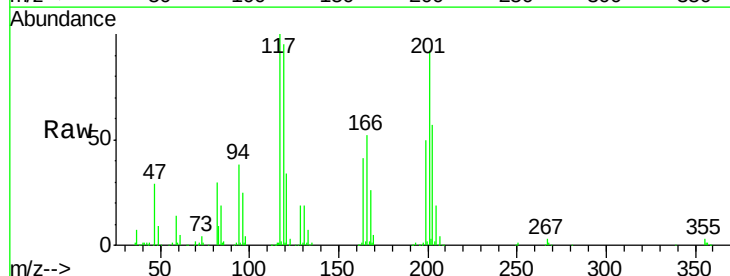


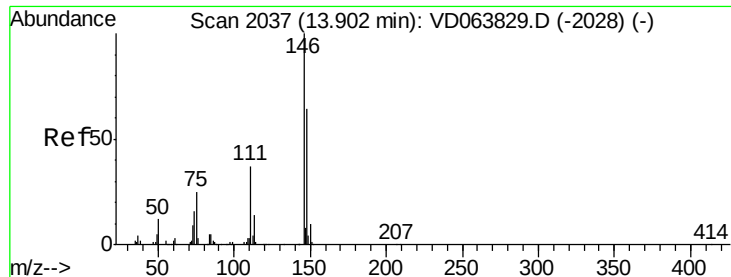
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#90
Hexachloroethane
Concen: 49.317 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	39.3	117.8





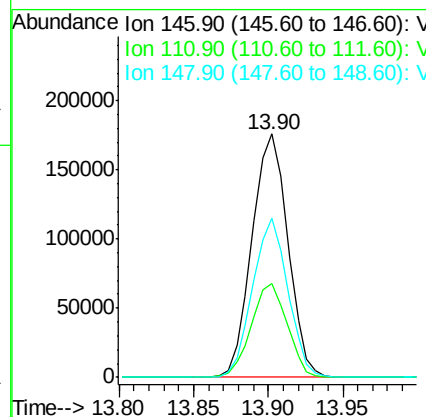
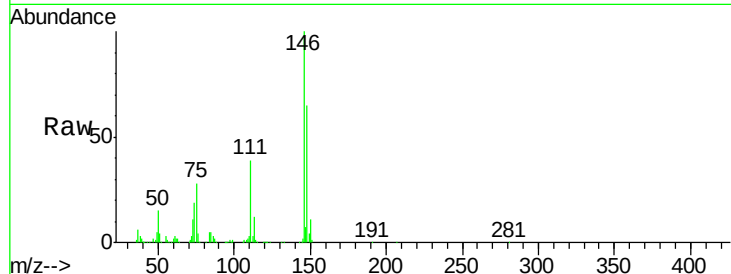
#91
 1,2-Dichlorobenzene
 Concen: 51.363 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

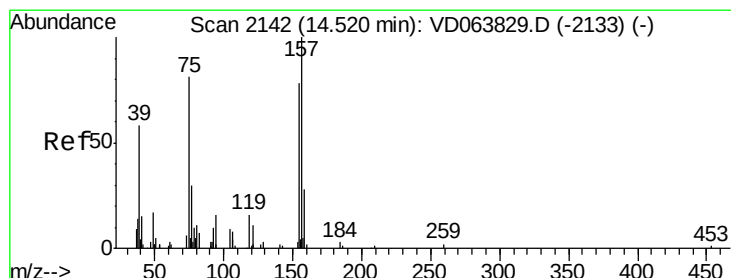
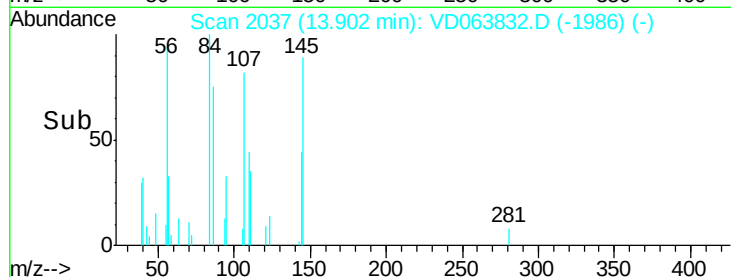
Tot Ion	Ratio	Resp	Lower	Upper
146	100	292198		
111	38.6	18.9	56.7	
148	64.3	32.2	96.6	

Manual Integrations
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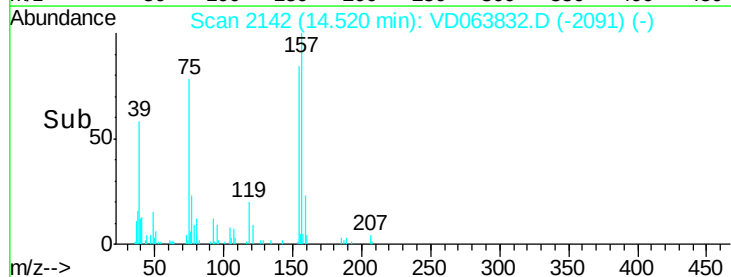
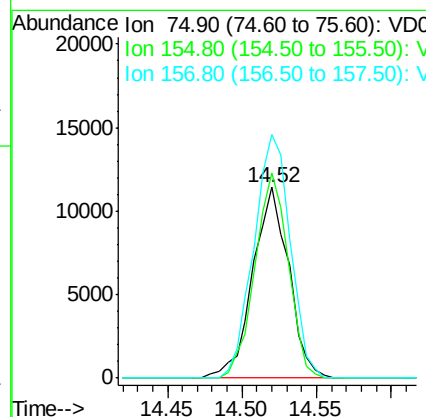
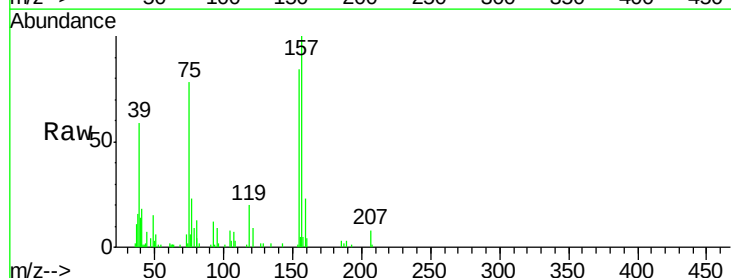


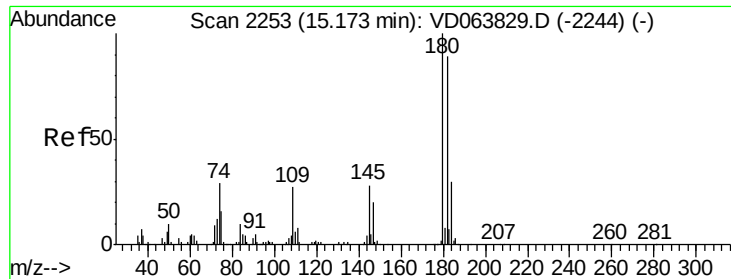
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.132 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19026		
155	99.1	48.0	144.0	
157	129.3	63.2	189.8	





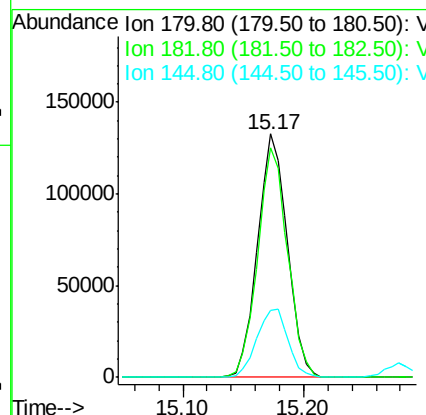
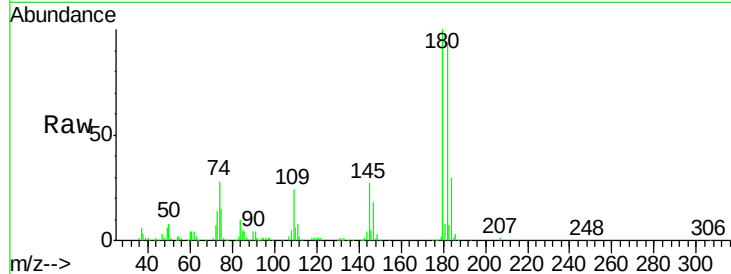
#93
 1,2,4-Trichlorobenzene
 Concen: 52.837 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD092519

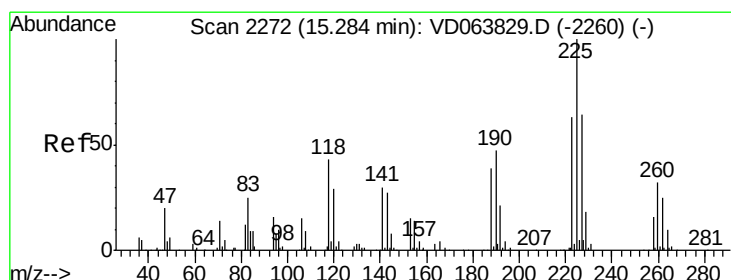
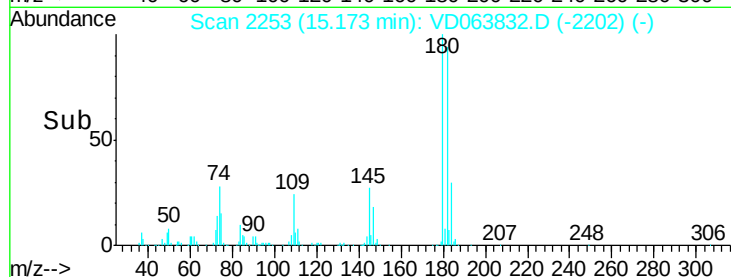
Tot Ion	Ratio	Resp	Lower	Upper
180	100	228262		
182	94.8	46.5	139.5	
145	29.5	14.4	43.4	

Manual Integrations
 APPROVED

MMDadoda

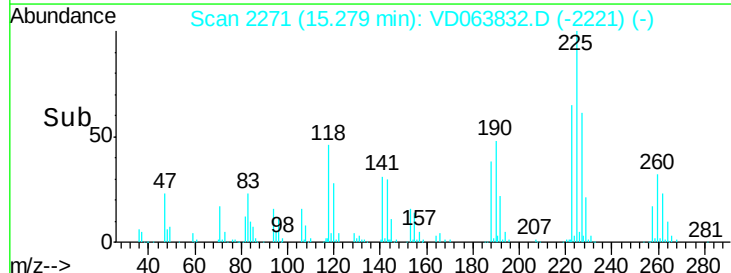
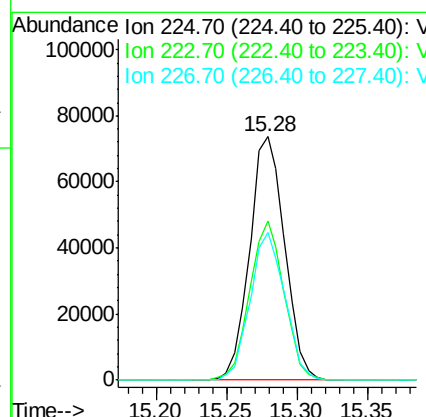
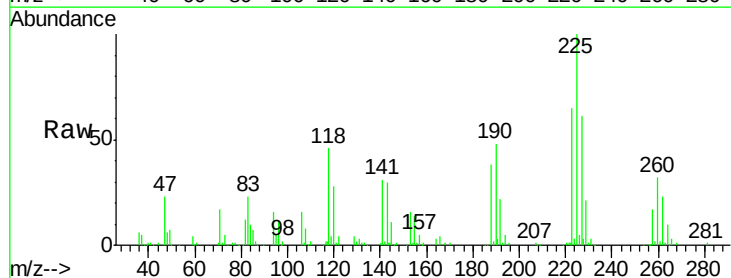


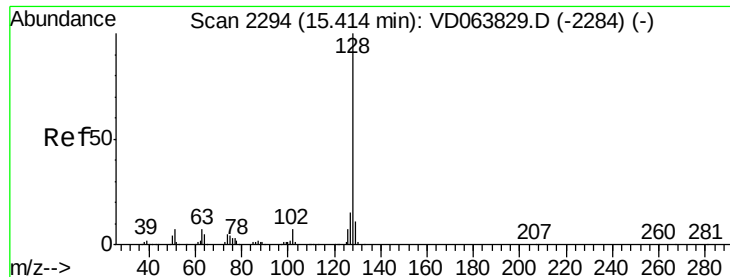
10/1/2019 9:26:22 AM



#94
 Hexachlorobutadiene
 Concen: 52.425 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063832.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128325		
223	63.9	32.8	98.3	
227	60.0	32.8	98.3	





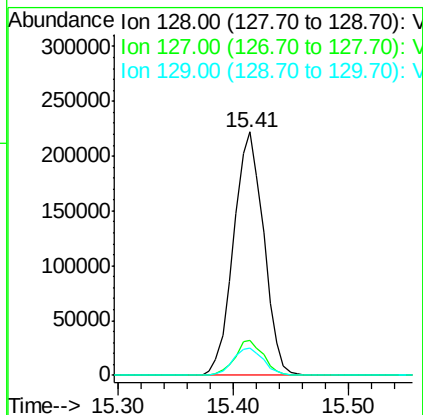
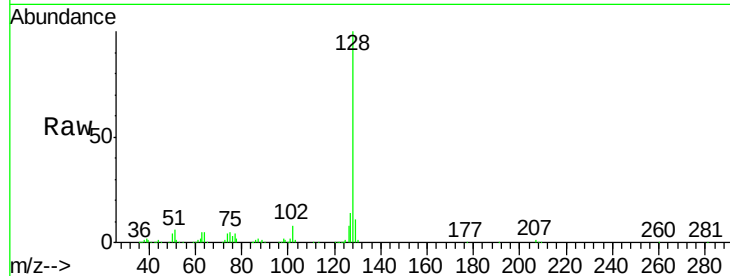
#95
Naphthalene
Concen: 51.694 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Instrument :
MSVOA_D
ClientSampleId :
ICVVD092519

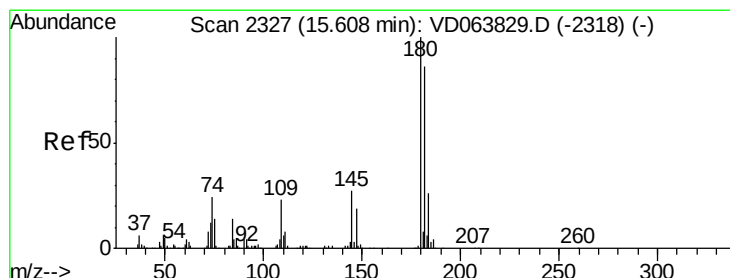
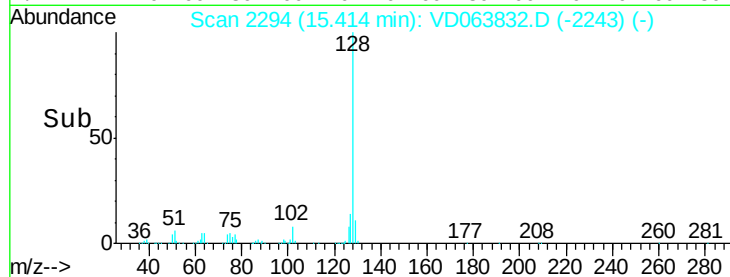
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	11.4	8.8	13.2

Manual Integrations
APPROVED

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10/1/2019 9:26:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.699 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD063832.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	46.6	139.7
145	31.2	14.5	43.5

