

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061320.D
 Acq On : 26 Mar 2019 1:59
 Operator : VA/AP
 Sample : K2045-02MS
 Misc : 4.81u/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 WP022SB439-190318-(13-14)MS

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:46 AM

Quant Time: Mar 26 08:37:30 2019
 Quant Title :
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	146437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	283155	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	256641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	106595	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	117488	92.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	185.98%	
35) Dibromofluoromethane	6.92	113	137607	63.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	127.02%	
50) Toluene-d8	10.41	98	306966	58.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.86%	
62) 4-Bromofluorobenzene	13.56	95	110536	53.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.88%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.59	85	59626	39.825	ug/l	90
3) Chloromethane	1.76	50	69145	59.203	ug/l	91
4) Vinyl Chloride	1.86	62	52544	48.116	ug/l	100
5) Bromomethane	2.16	94	14027	63.285	ug/l	96
6) Chloroethane	2.27	64	19996	58.204	ug/l	96
7) Trichlorofluoromethane	2.54	101	65256	40.426	ug/l	97
8) Diethyl Ether	2.88	74	51967	108.275	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.16	101	71425	43.473	ug/l	98
10) Methyl Iodide	3.32	142	103326	45.015	ug/l	96
11) Tert butyl alcohol	4.07	59	80639	1198.998	ug/l	97
12) 1,1-Dichloroethene	3.13	96	68838	48.692	ug/l	99
13) Acrolein	3.04	56	31314	425.363	ug/l	98
14) Allvl chloride	3.62	41	133136	66.385	ug/l	92
15) Acrylonitrile	4.20	53	247187	1045.079	ug/l	98
16) Acetone	3.23	43	410894	1359.668	ug/l	97
17) Carbon Disulfide	3.39	76	193349	41.180	ug/l	99
18) Methyl Acetate	3.64	43	161572	282.855	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	275836	110.788	ug/l	99
20) Methylene Chloride	3.82	84	118254	68.945	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	89707	56.720	ug/l	98
22) Diisopropyl ether	5.12	45	327518	77.523	ug/l	97
23) Vinyl Acetate	5.06	43	989712	438.620	ug/l	99
24) 1,1-Dichloroethane	4.99	63	161772	65.709	ug/l	97
25) 2-Butanone	6.06	43	391186	1119.149	ug/l	98
26) 2,2-Dichloropropane	6.02	77	99341	47.520	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	117834	69.233	ug/l	94
28) Bromochloromethane	6.44	49	89606	86.955	ug/l	94
29) Tetrahydrofuran	6.45	42	191006	1097.843	ug/l	100
30) Chloroform	6.66	83	177132	67.517	ug/l	99
31) Cyclohexane	6.95	56	82558	41.316	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	116876	50.301	ug/l	99
36) 1,1-Dichloropropene	7.15	75	99140	42.794	ug/l	97
37) Ethyl Acetate	6.18	43	164709	170.219	ug/l #	97
38) Carbon Tetrachloride	7.11	117	107516m	40.606	ug/l	
39) Methylcyclohexane	8.86	83	69832	29.105	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	321444	55.869	ug/l	97
41) Methacrylonitrile	6.45	41	192197	170.928	ug/l	95
42) 1,2-Dichloroethane	7.58	62	137974	76.946	ug/l	99
43) Isopropyl Acetate	9.23	43	192489	137.965	ug/l	100
44) Trichloroethene	8.54	130	101006	48.542	ug/l	97
45) 1,2-Dichloropropane	8.94	63	94350	66.442	ug/l	97
46) Dibromomethane	9.06	93	90217	92.685	ug/l	96
47) Bromodichloromethane	9.37	83	151085	66.223	ug/l	99
48) Methyl methacrylate	9.12	41	113424	152.314	ug/l	96
49) 1,4-Dioxane	9.08	88	39499	4834.325	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	722245	869.591	ug/l	100
52) Toluene	10.50	92	197139	55.998	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	162509	81.963	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	163351	67.470	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	109366	93.572	ug/l	99
56) Ethyl methacrylate	11.04	69	136120	109.141	ug/l	98
57) 1,3-Dichloropropane	11.40	76	158675	89.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	393364	606.259	ug/l	99
59) 2-Hexanone	11.53	43	553948	918.309	ug/l	99
60) Dibromochloromethane	11.69	129	163689	89.418	ug/l	98
61) 1,2-Dibromoethane	11.80	107	150337	110.087	ug/l	98
64) Tetrachloroethene	11.25	164	75726	42.833	ug/l	97
65) Chlorobenzene	12.39	112	283771	60.031	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	114048	62.229	ug/l	96
67) Ethyl Benzene	12.52	91	344251	47.586	ug/l	99
68) m/p-Xylenes	12.66	106	260893	92.386	ug/l	98
69) o-Xylene	13.04	106	133878	51.116	ug/l	98
70) Styrene	13.07	104	230801	51.925	ug/l	93
71) Bromoform	13.23	173	112336	100.165	ug/l #	98
73) Isopropylbenzene	13.40	105	307812	44.397	ug/l	98
74) N-amyl acetate	13.26	43	141539	78.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	163351	121.496	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	173808	131.113	ug/l	97
77) Bromobenzene	13.66	156	107746	55.636	ug/l	98
78) n-propylbenzene	13.77	91	364288	46.572	ug/l	96
79) 2-Chlorotoluene	13.84	91	224508	49.296	ug/l	94
80) 1,3,5-Trimethylbenzene	14.24	105	256730	46.939	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	51498	123.096	ug/l	98
82) 4-Chlorotoluene	13.94	91	266871	53.600	ug/l	97
83) tert-Butylbenzene	14.19	119	272631	43.657	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	256730	46.939	ug/l	97
85) sec-Butylbenzene	14.36	105	240637	34.600	ug/l	96
86) p-Isopropyltoluene	14.49	119	218036	35.140	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	187595	54.649	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	189638	57.030	ug/l	96
89) n-Butylbenzene	14.80	91	165611	30.063	ug/l	98
90) Hexachloroethane	15.00	117	59289	35.639	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	218786	79.875	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25224	150.138	ug/l	78
93) 1,2,4-Trichlorobenzene	15.94	180	61163	48.349	ug/l	98
94) Hexachlorobutadiene	16.04	225	18367	18.019	ug/l	98

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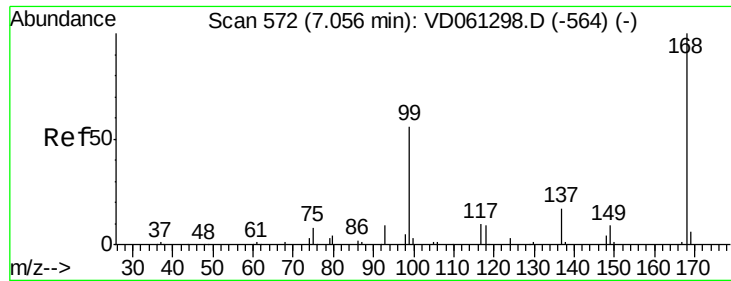
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QLast Update : Tue Mar 26 03:31:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	16.13	128	200336	108.535	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	32058	54.258	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion:168 Resp: 146437

Ion Ratio Lower Upper

168 100

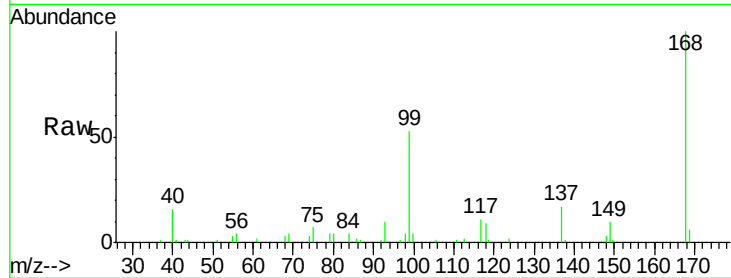
99 53.3 45.8 68.8

Manual Integrations

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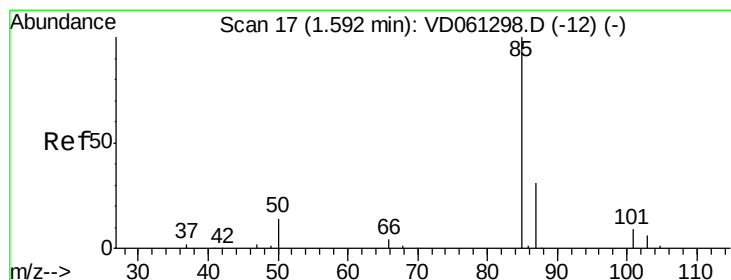
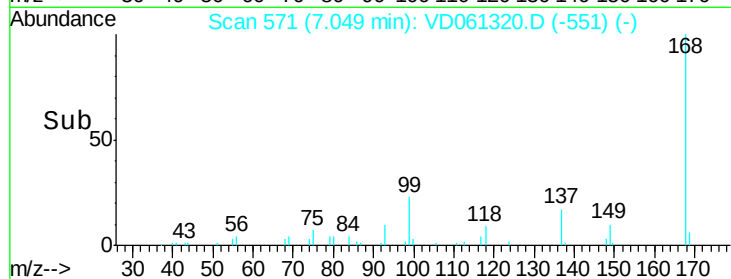
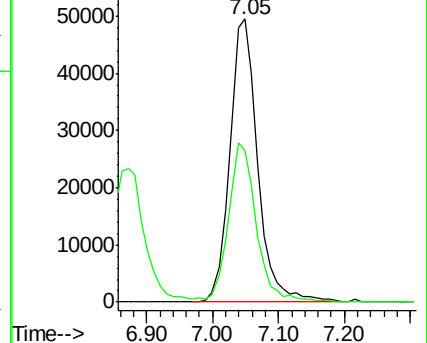
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 39.825 ug/l

RT: 1.59 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061320.D

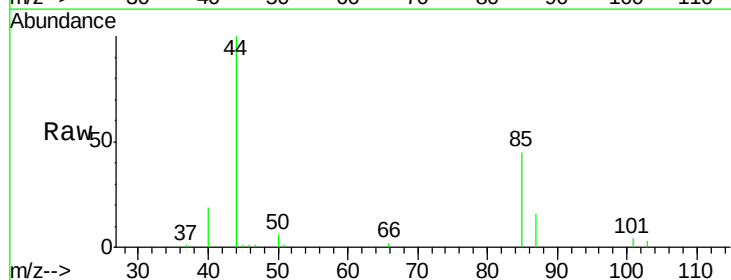
Acq: 26 Mar 2019 1:59

Tgt Ion: 85 Resp: 59626

Ion Ratio Lower Upper

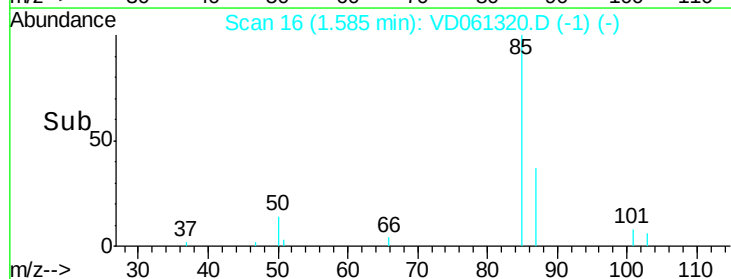
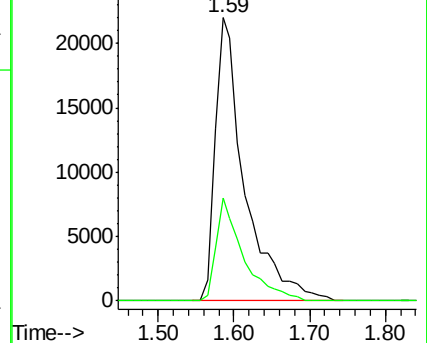
85 100

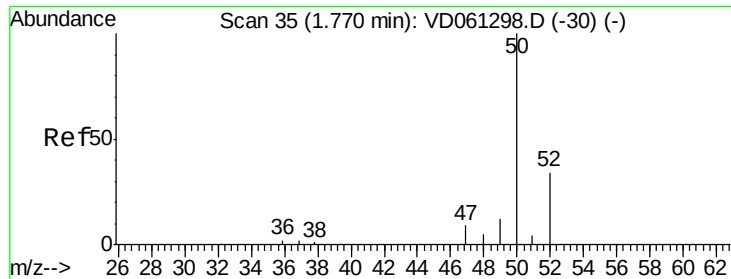
87 36.5 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 59.203 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

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Tot Ion: 50 Resp: 69145

Ion Ratio Lower Upper

50 100

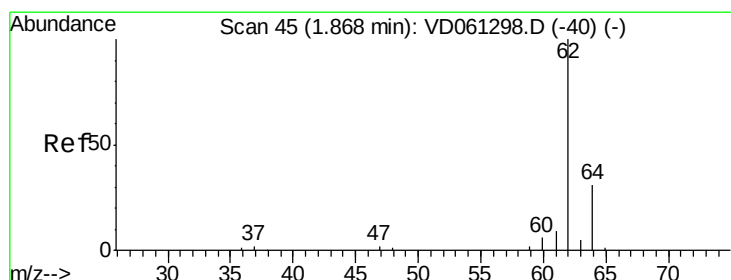
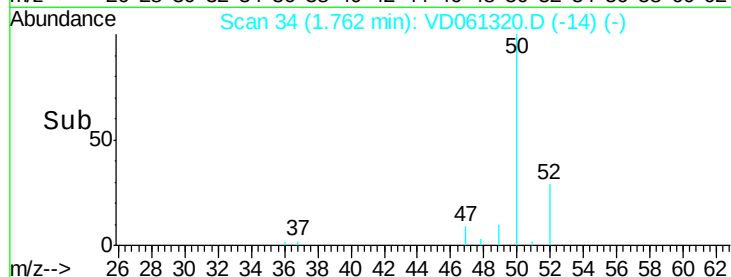
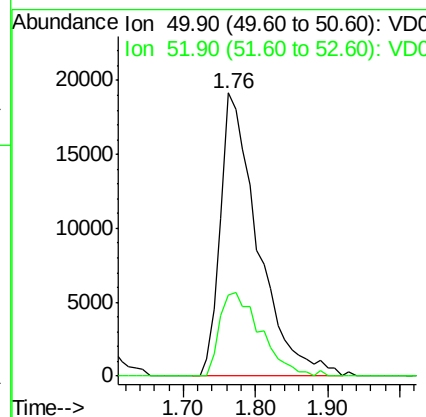
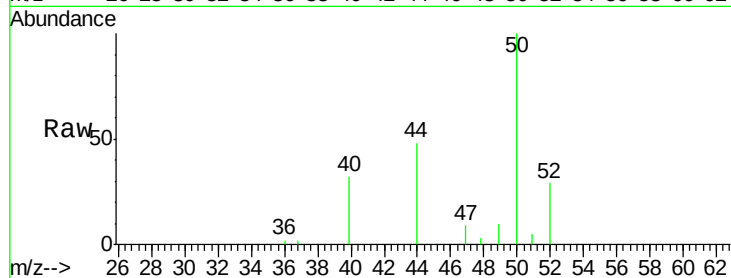
52 28.7 27.1 40.7

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#4

Vinyl Chloride

Concen: 48.116 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061320.D

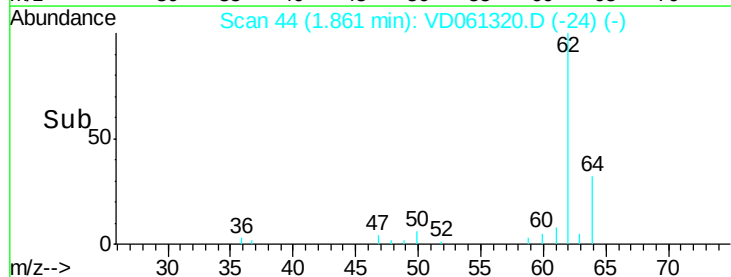
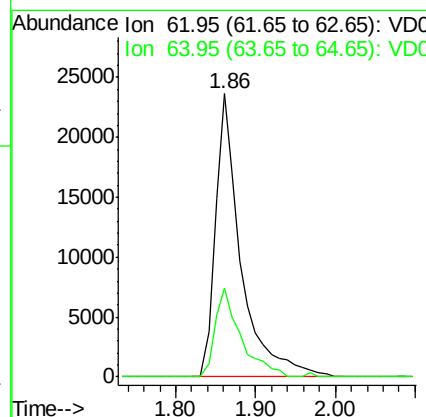
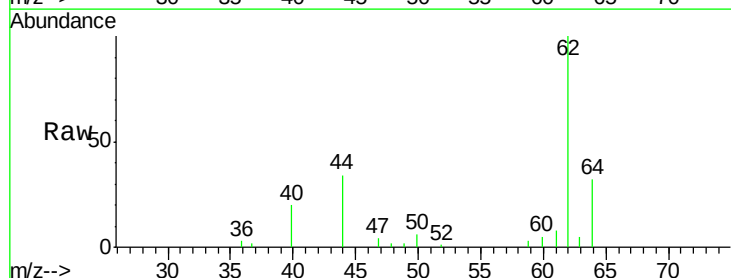
Acq: 26 Mar 2019 1:59

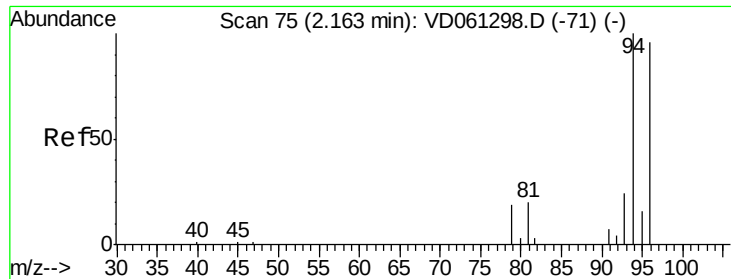
Tgt Ion: 62 Resp: 52544

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 63.285 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

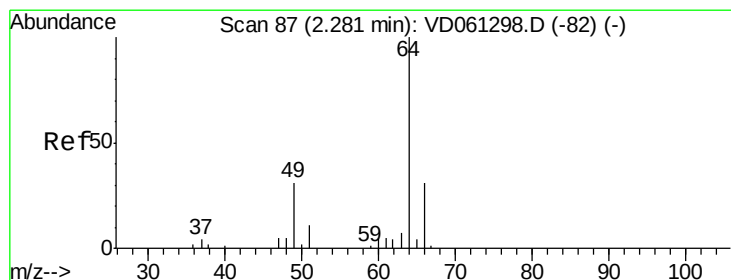
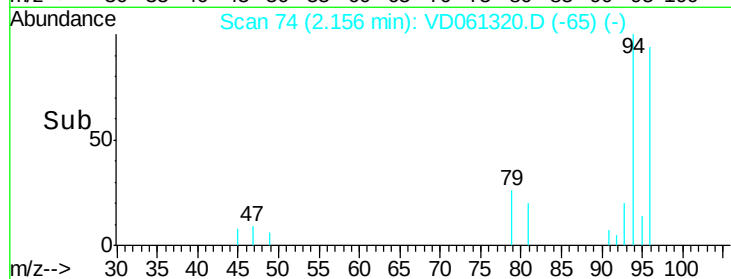
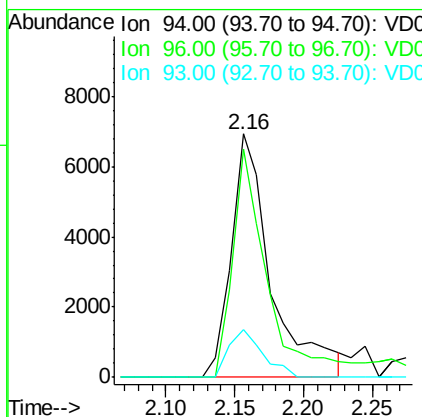
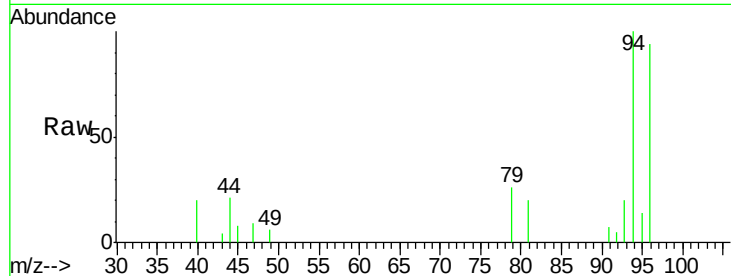
ClientSampleId :

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Tot Ion:	94	Resp:	14027
Ion	Ratio	Lower	Upper
94	100		
96	93.6	76.9	115.3
93	19.9	18.8	28.2

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#6

Chloroethane

Concen: 58.204 ug/l

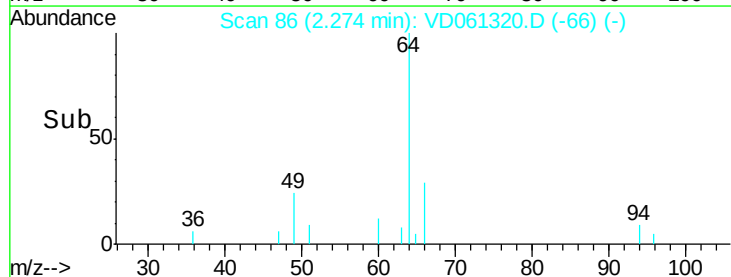
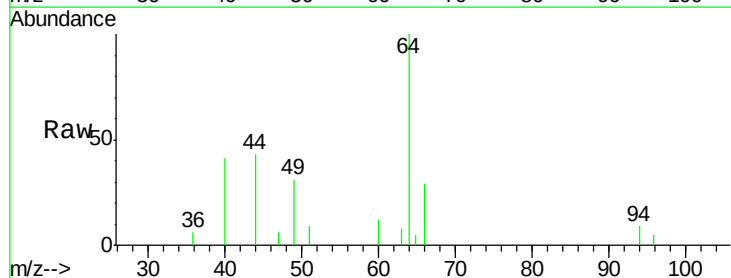
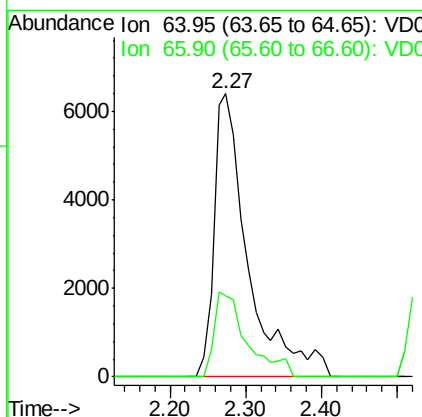
RT: 2.27 min Scan# 86

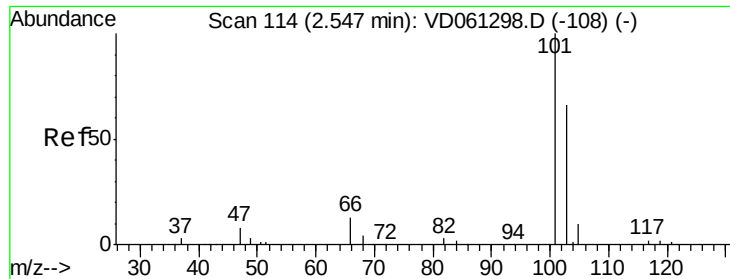
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	64	Resp:	19996
Ion	Ratio	Lower	Upper
64	100		
66	28.6	24.6	36.8





#7

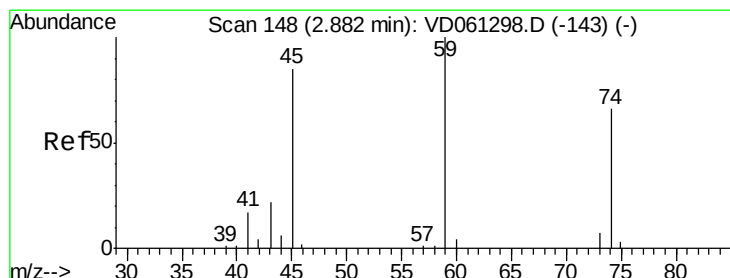
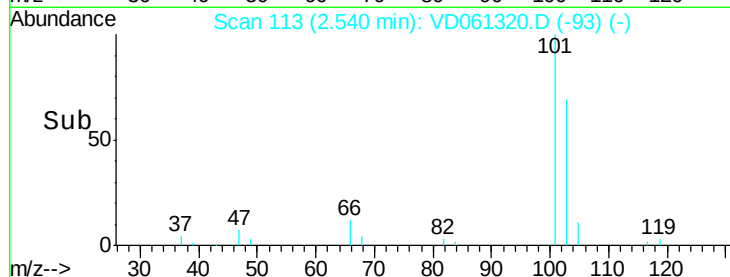
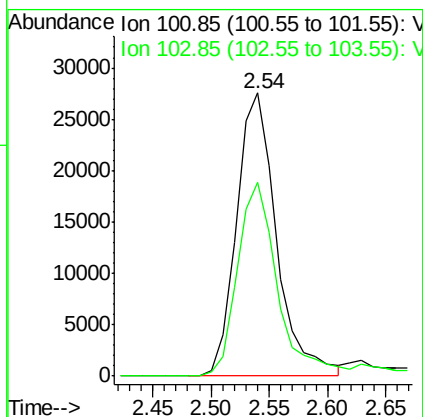
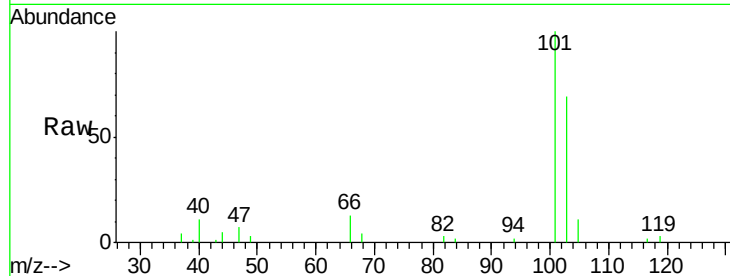
Trichlorofluoromethane
Concen: 40.426 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
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Tot Ion:101 Resp: 65256
Ion Ratio Lower Upper
101 100
103 68.5 52.6 79.0

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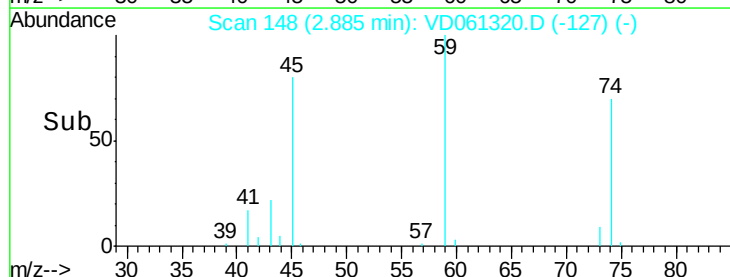
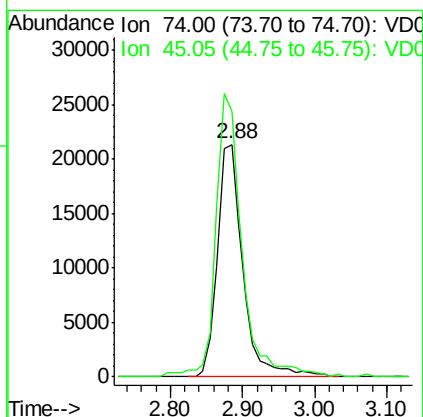
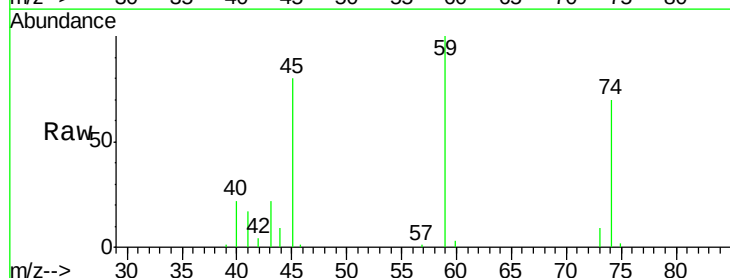
MMDadoda
3/26/2019 11:59:46 AM

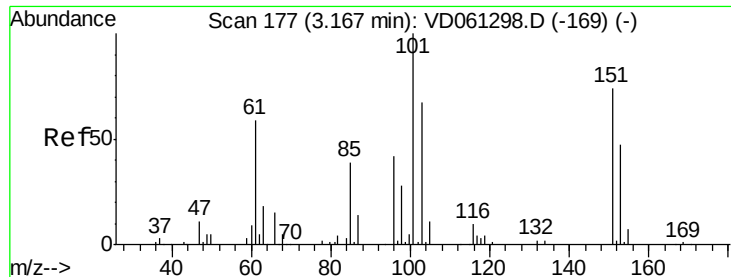


#8

Diethyl Ether
Concen: 108.275 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion: 74 Resp: 51967
Ion Ratio Lower Upper
74 100
45 114.3 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.473 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061320.D

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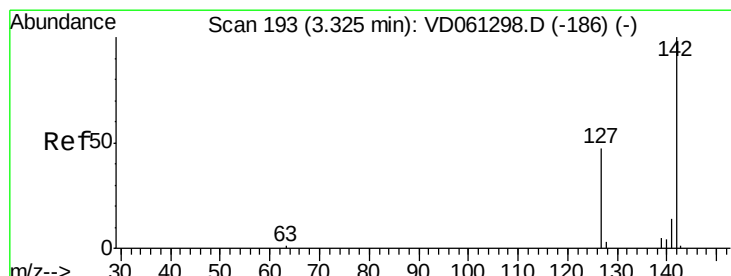
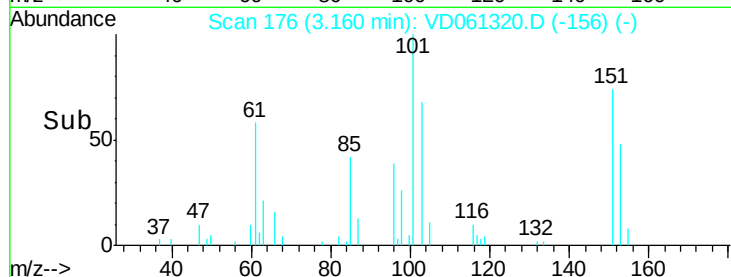
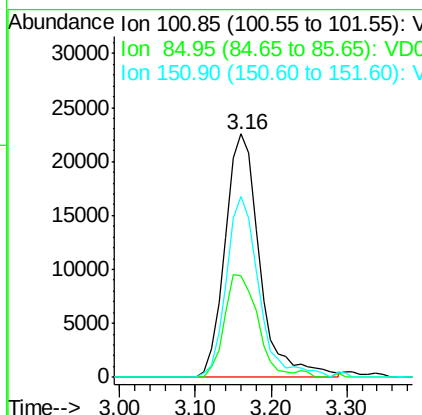
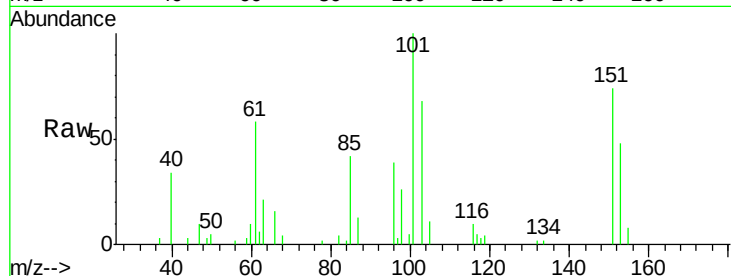
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Tot Ion:	101	Resp:	71425
Ion Ratio	Lower	Upper	
101	100		
85	41.8	31.6	47.4
151	74.5	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.015 ug/l

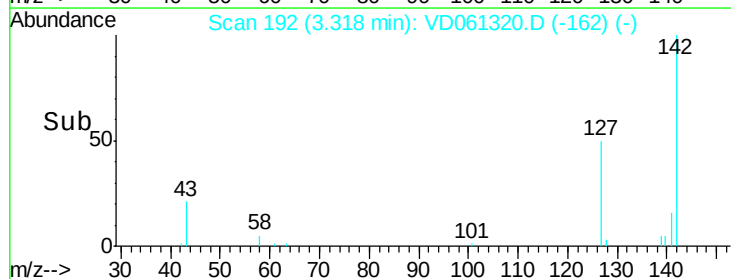
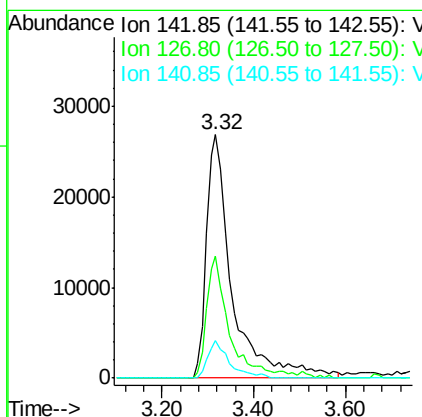
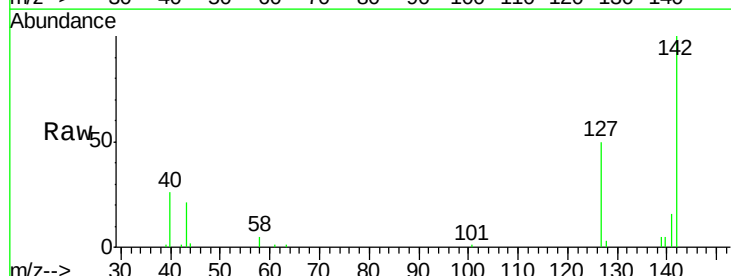
RT: 3.32 min Scan# 192

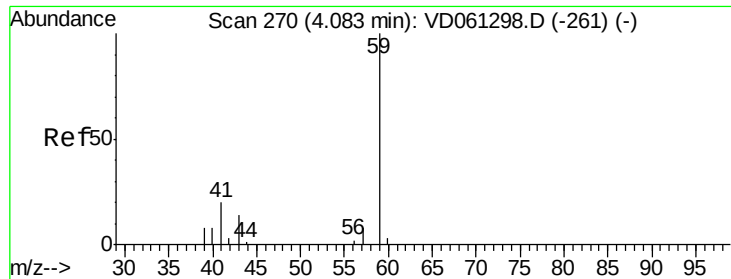
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	142	Resp:	103326
Ion Ratio	Lower	Upper	
142	100		
127	50.3	37.8	56.6
141	15.5	11.6	17.4





#11

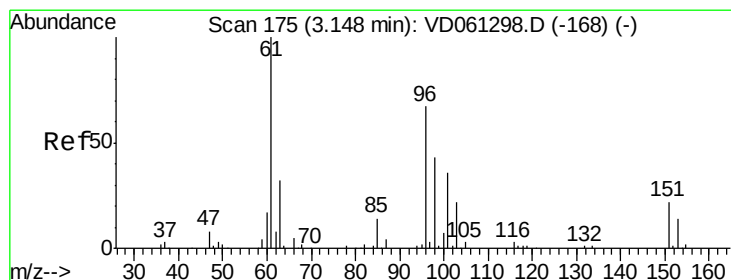
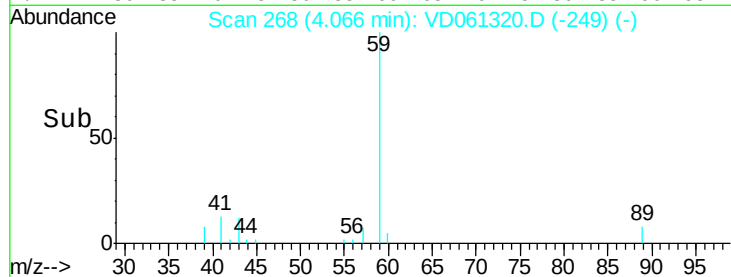
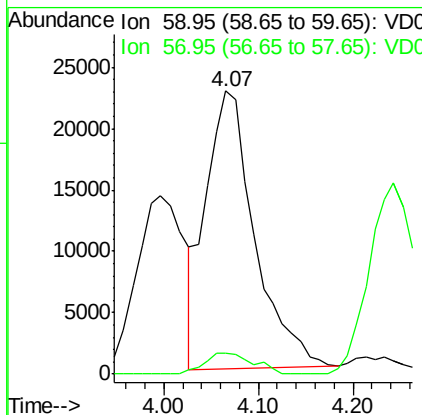
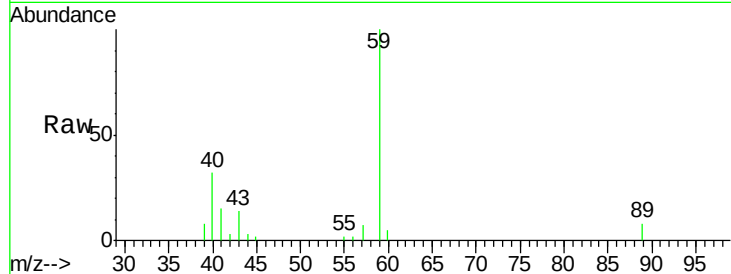
Tert butyl alcohol
 Concen: 1198.998 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	6.6	9.8

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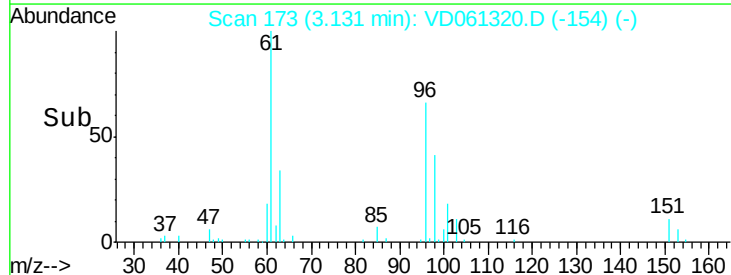
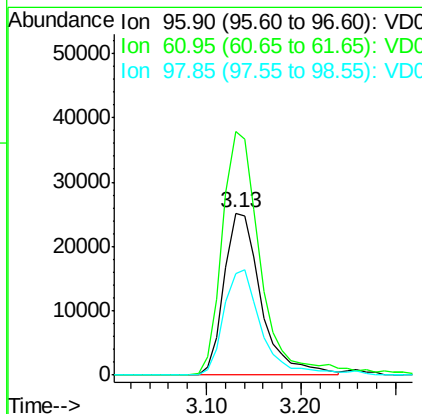
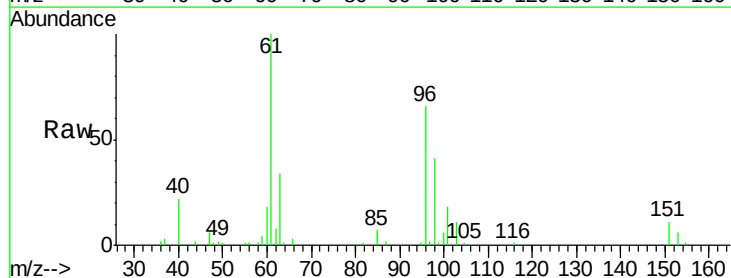
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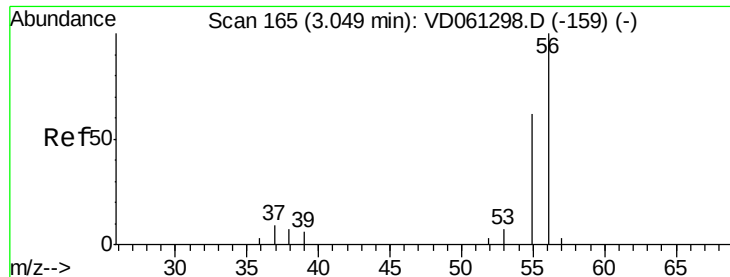


#12

1,1-Dichloroethene
 Concen: 48.692 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.02 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	120.2	180.2
98	62.4	52.2	78.4





#13

Acrolein

Concen: 425.363 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 56 Resp: 31314

Ion Ratio Lower Upper

56 100

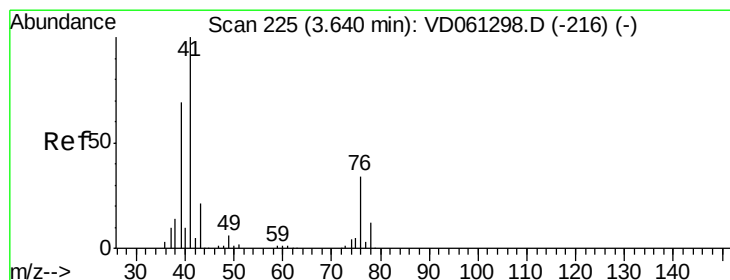
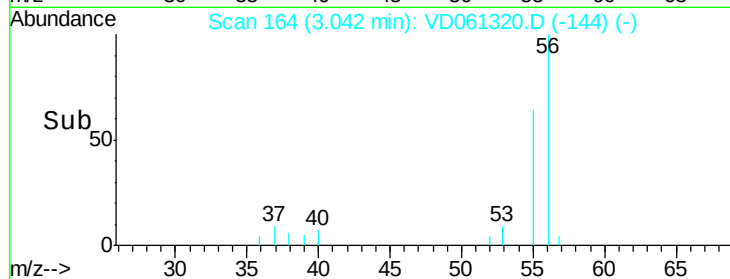
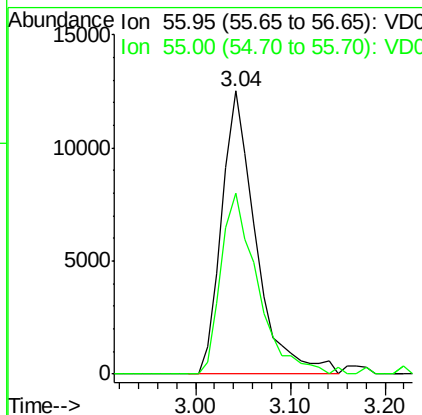
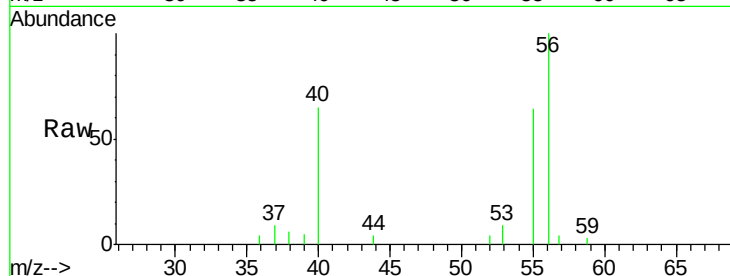
55 63.8 49.8 74.6

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#14

Allyl chloride

Concen: 66.385 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

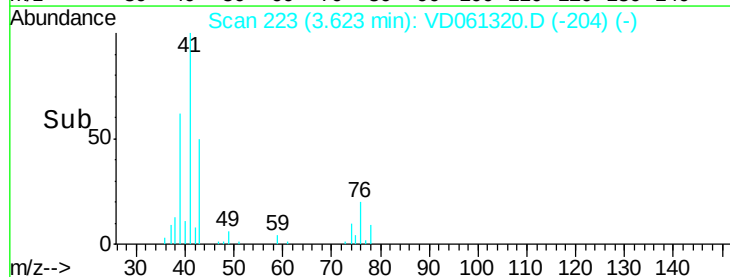
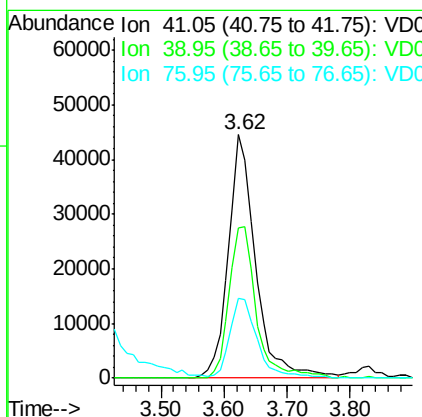
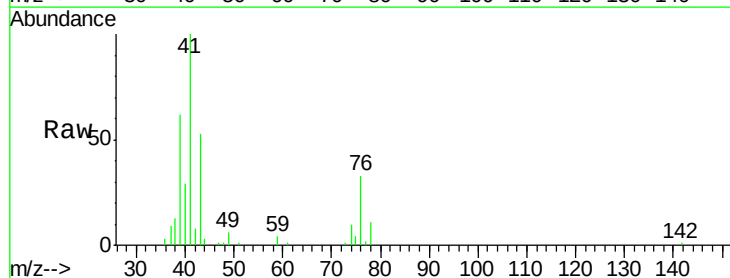
Tgt Ion: 41 Resp: 133136

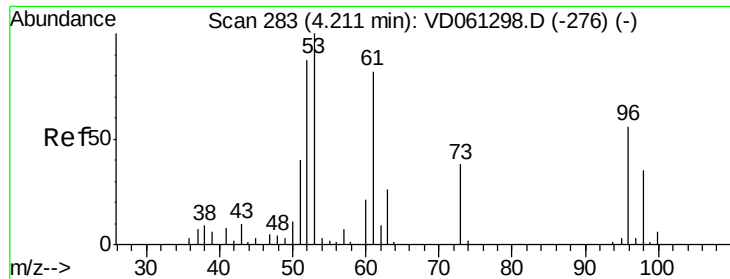
Ion Ratio Lower Upper

41 100

39 61.9 55.1 82.7

76 32.9 30.2 45.2





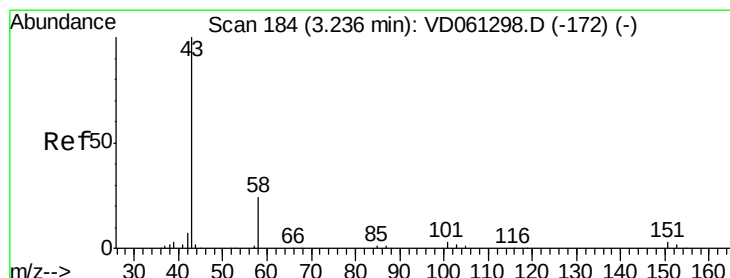
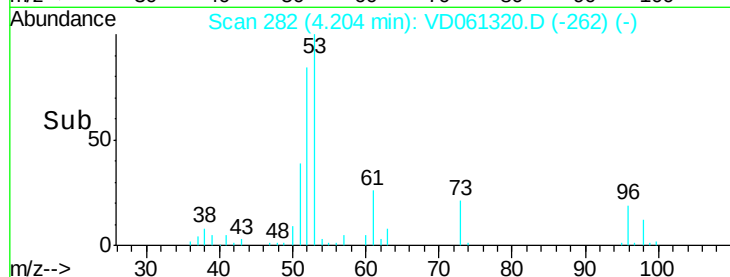
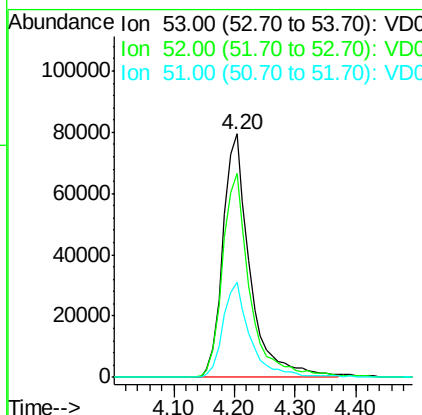
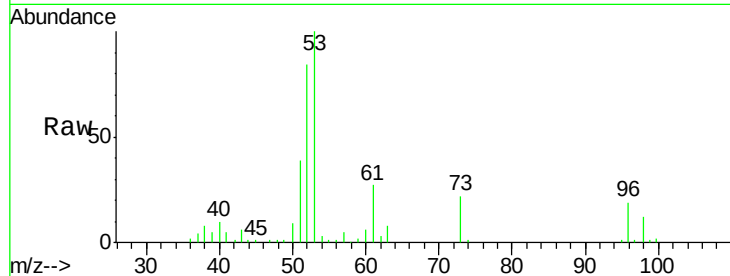
#15
Acrylonitrile
Concen: 1045.079 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.9	69.4	104.2
51	38.9	31.7	47.5

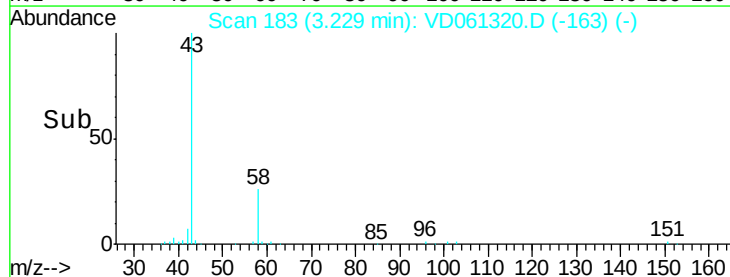
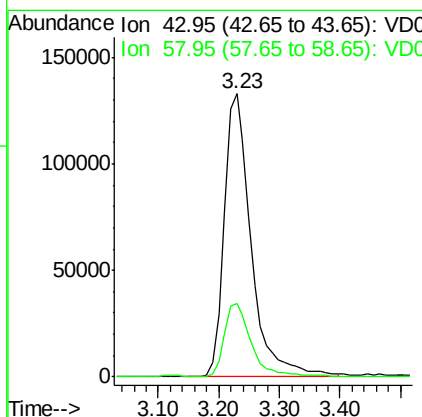
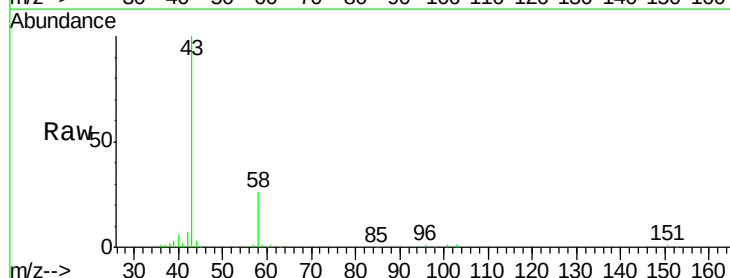
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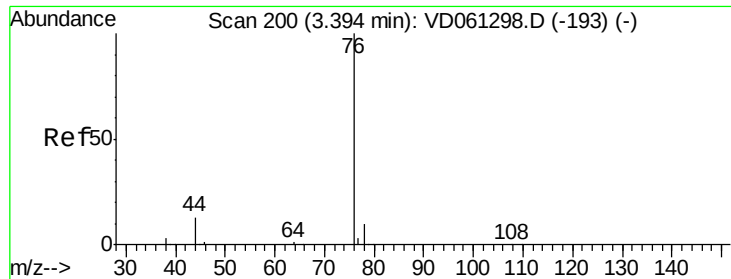
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#16
Acetone
Concen: 1359.668 ug/l
RT: 3.23 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.9	19.4	29.0





#17

Carbon Disulfide

Concen: 41.180 ug/l

RT: 3.39 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 76 Resp: 193349

Ion Ratio Lower Upper

76 100

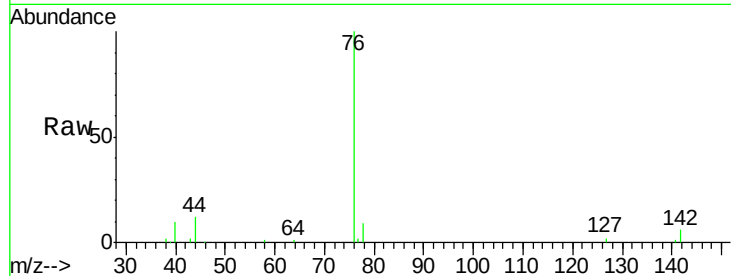
78 9.2 7.8 11.6

Manual Integrations

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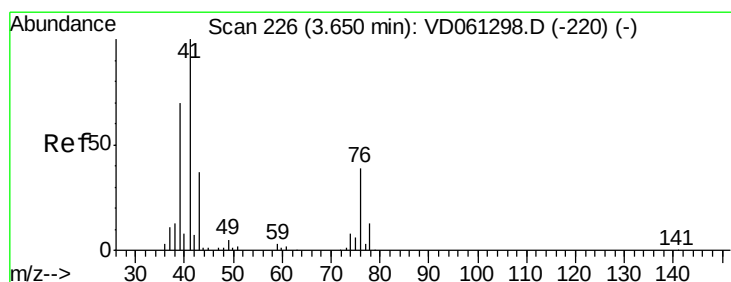
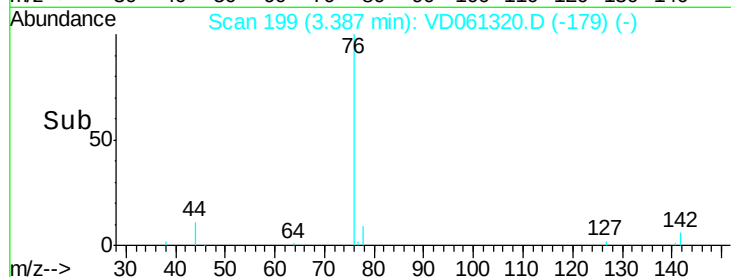
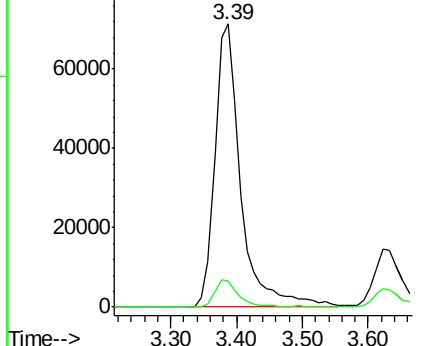
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 282.855 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061320.D

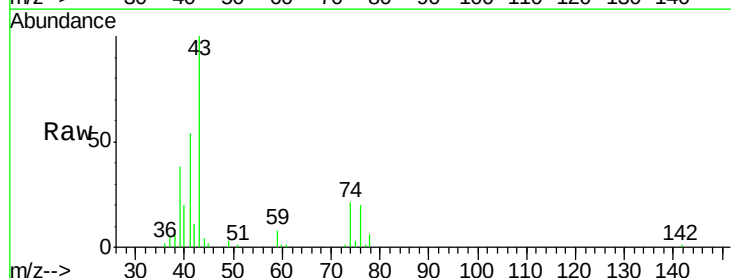
Acq: 26 Mar 2019 1:59

Tgt Ion: 43 Resp: 161572

Ion Ratio Lower Upper

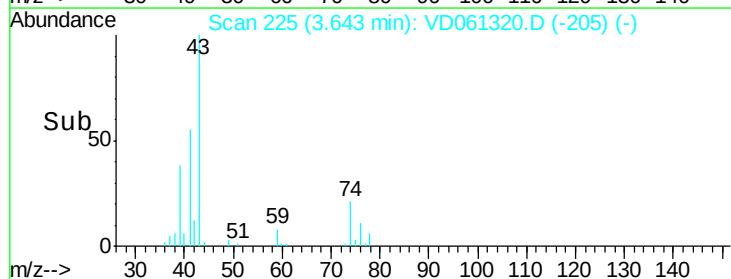
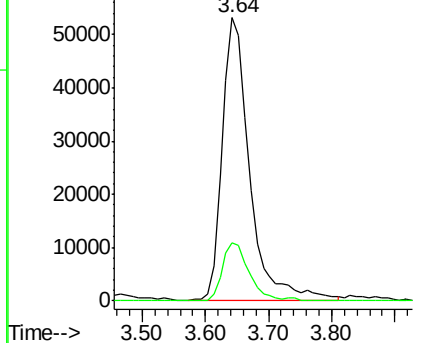
43 100

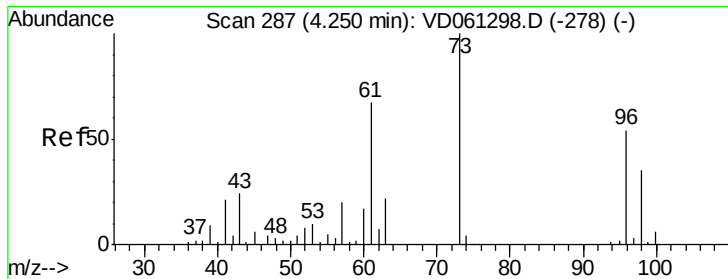
74 20.6 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





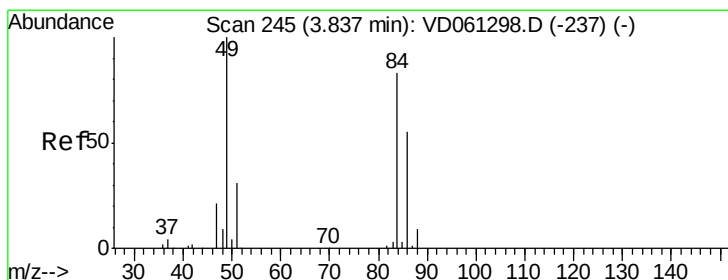
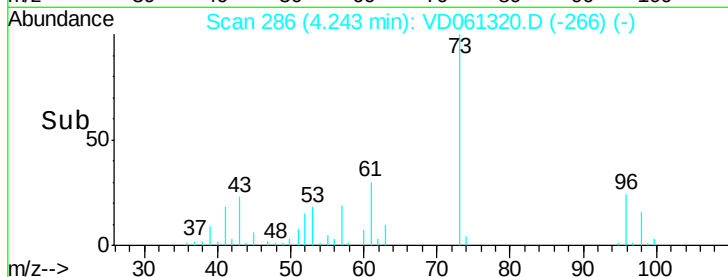
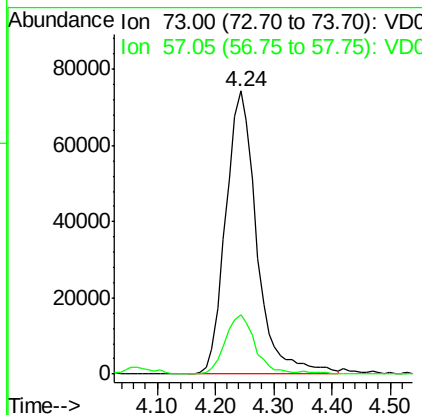
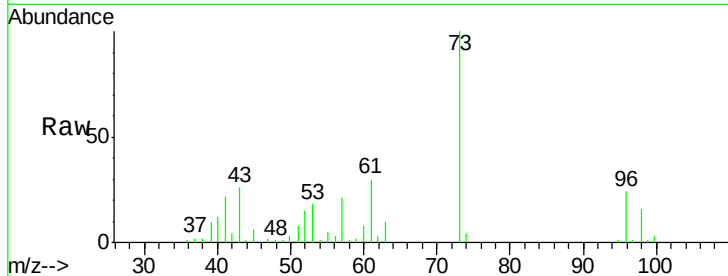
#19
Methyl tert-butyl Ether
Concen: 110.788 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.3	24.5

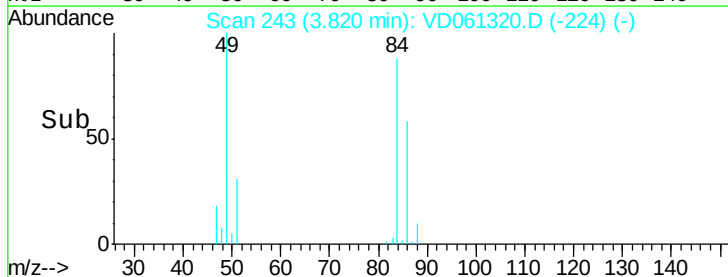
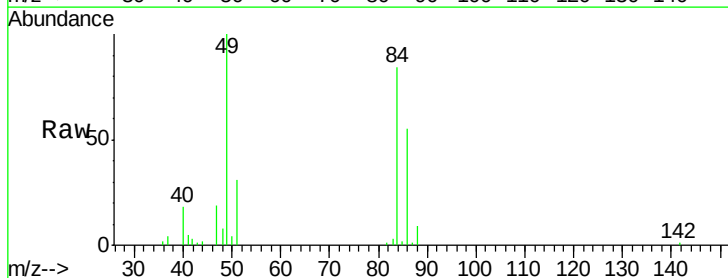
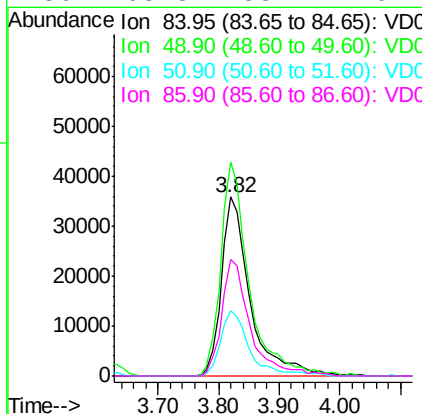
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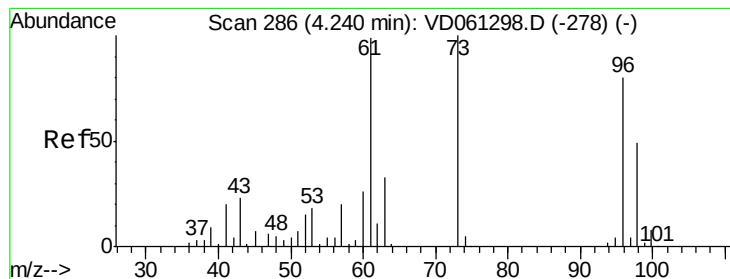
MMDadoda
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#20
Methylene Chloride
Concen: 68.945 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	96.8	145.2
51	36.7	29.9	44.9
86	65.3	53.1	79.7





#21

trans-1,2-Dichloroethene

Concen: 56.720 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

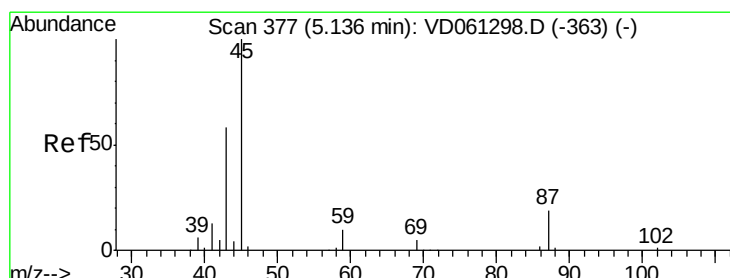
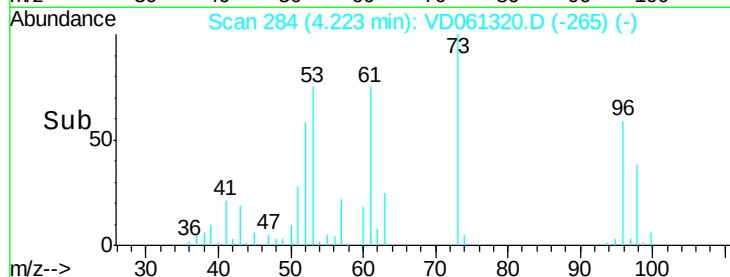
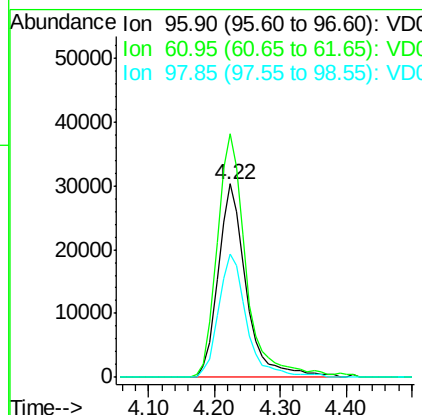
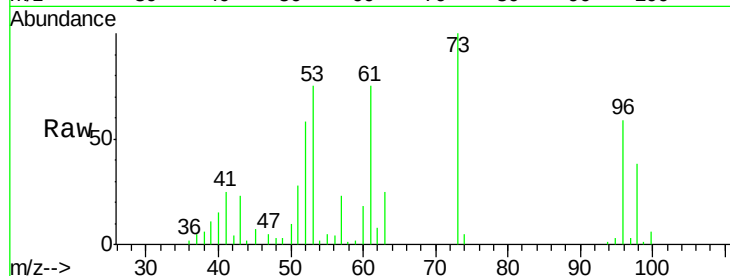
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	96	Resp:	89707
Ion	Ratio	Lower	Upper
96	100		
61	125.9	99.2	148.8
98	64.1	49.2	73.8

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#22

Diisopropyl ether

Concen: 77.523 ug/l

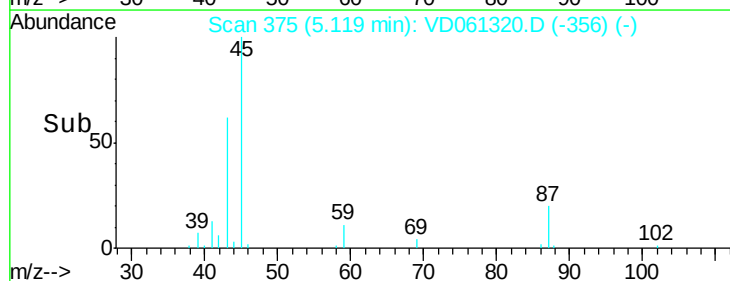
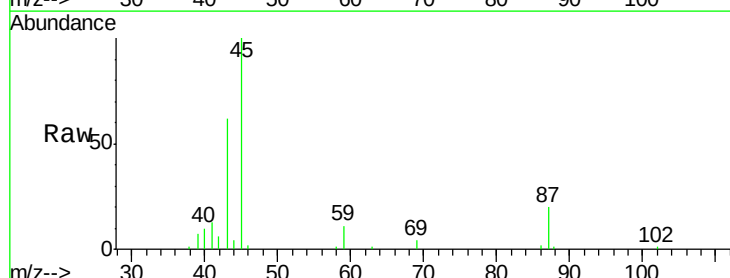
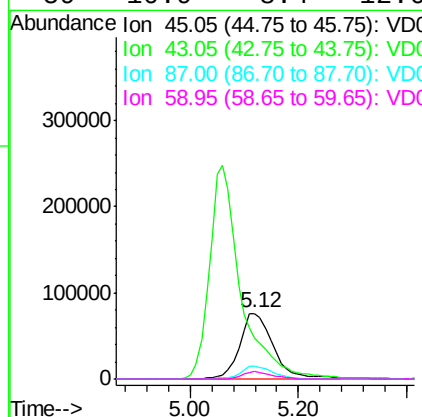
RT: 5.12 min Scan# 375

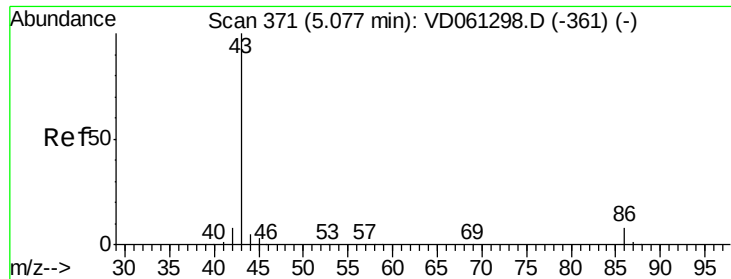
Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	45	Resp:	327518
Ion	Ratio	Lower	Upper
45	100		
43	61.8	46.7	70.1
87	19.6	15.5	23.3
59	10.9	8.4	12.6





#23

Vinyl Acetate

Concen: 438.620 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 43 Resp: 989712

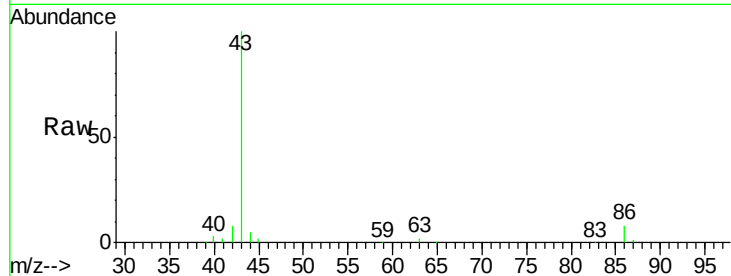
Ion Ratio Lower Upper

43 100

86 8.1 6.3 9.5

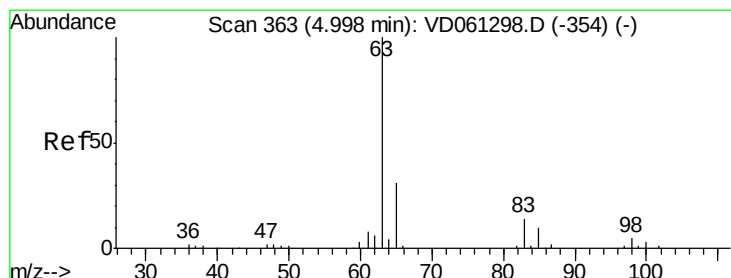
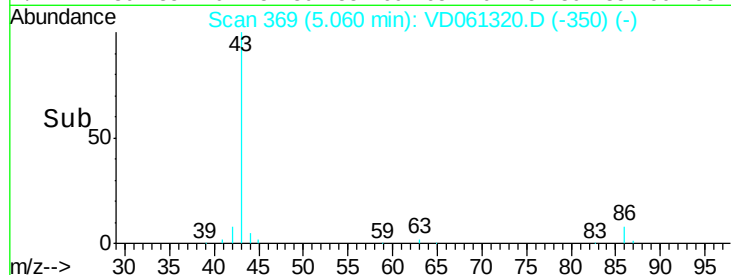
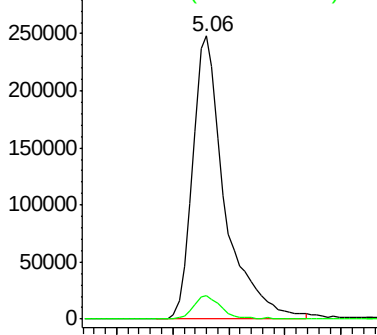
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 65.709 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

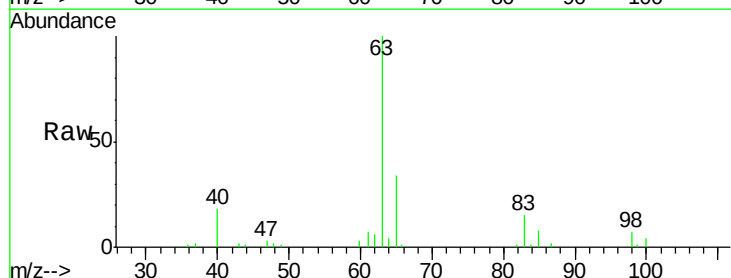
Tgt Ion: 63 Resp: 161772

Ion Ratio Lower Upper

63 100

98 6.7 2.8 8.3

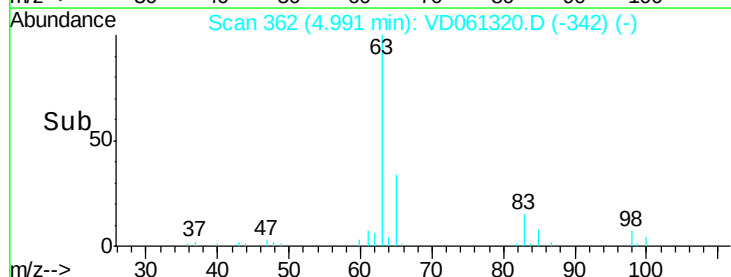
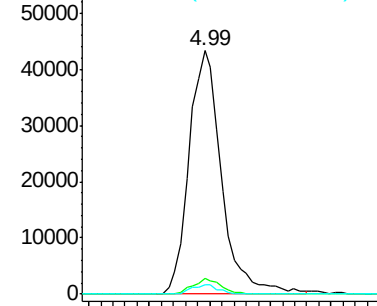
100 3.9 1.6 4.8

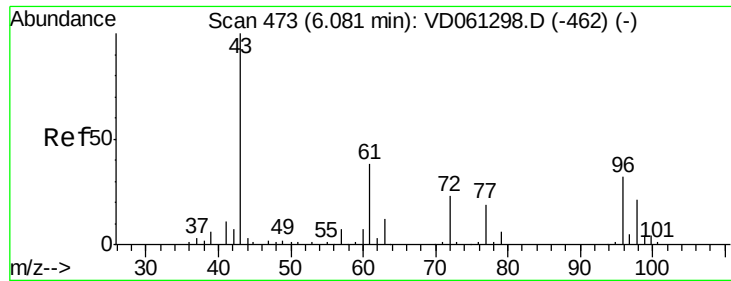


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 1119.149 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 43 Resp: 391186

Ion Ratio Lower Upper

43 100

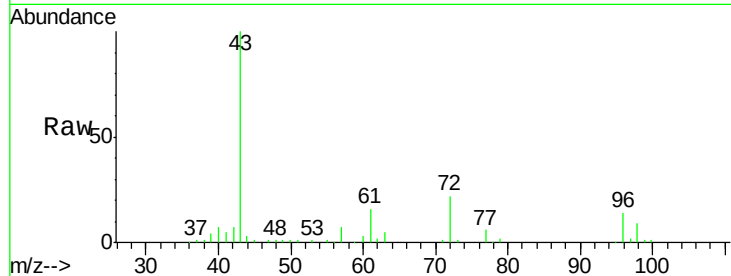
72 22.1 18.5 27.7

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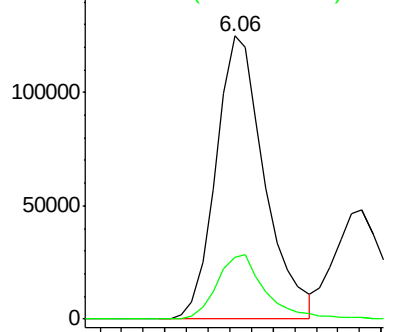
MMDadoda

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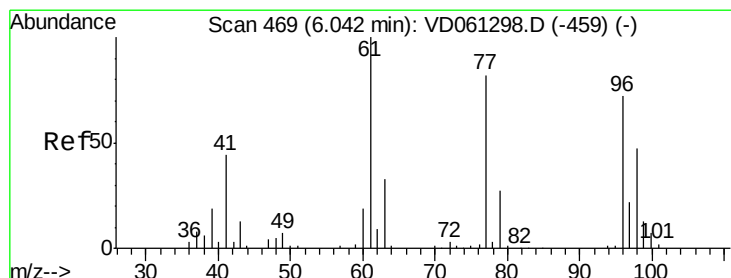
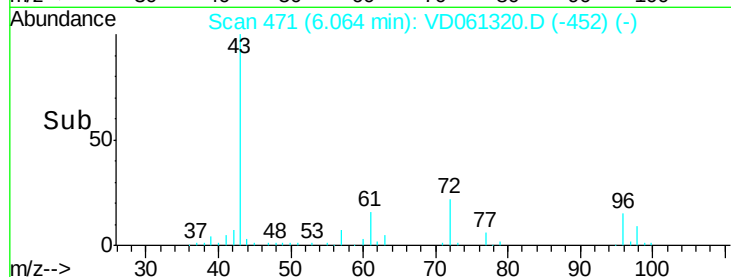


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 47.520 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD061320.D

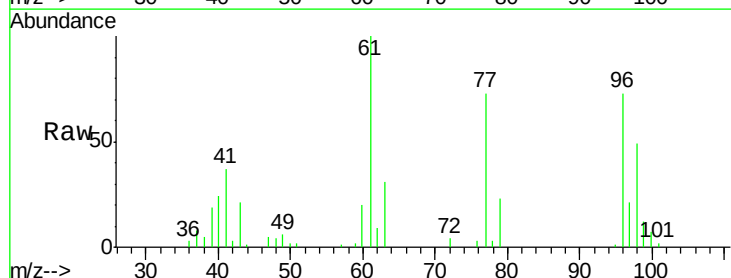
Acq: 26 Mar 2019 1:59

Tgt Ion: 77 Resp: 99341

Ion Ratio Lower Upper

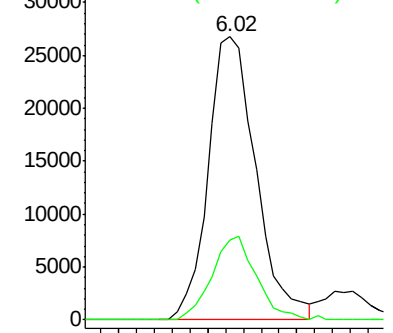
77 100

97 28.3 13.5 40.5

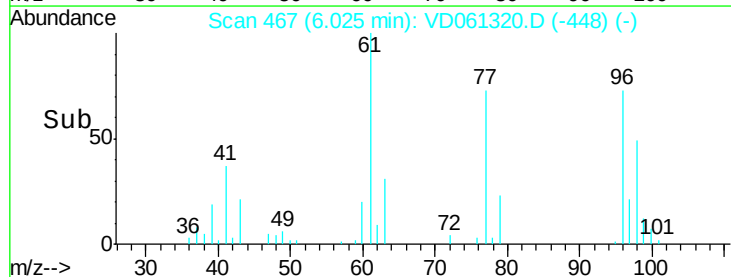


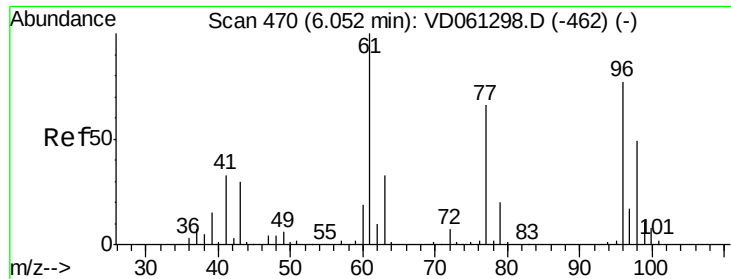
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 69.233 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

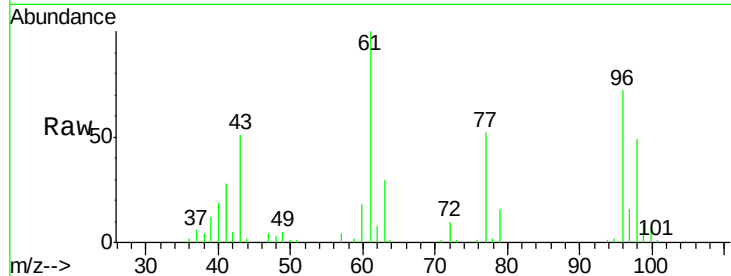
ClientSampleId :

WP022SB439-190318-(13-14)MS

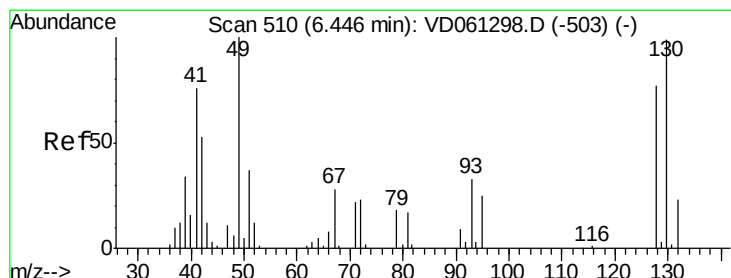
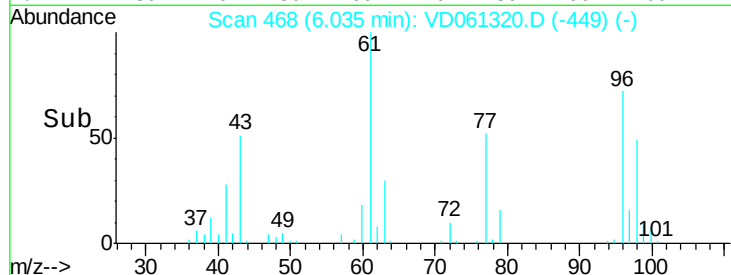
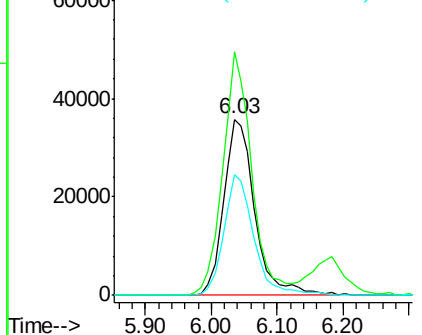
Tot Ion:	96	Resp:	117834
Ion Ratio	Lower	Upper	
96	100		
61	138.1	0.0	261.0
98	68.2	0.0	127.6

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 86.955 ug/l

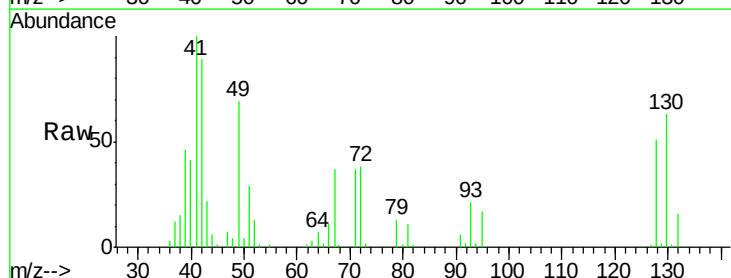
RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

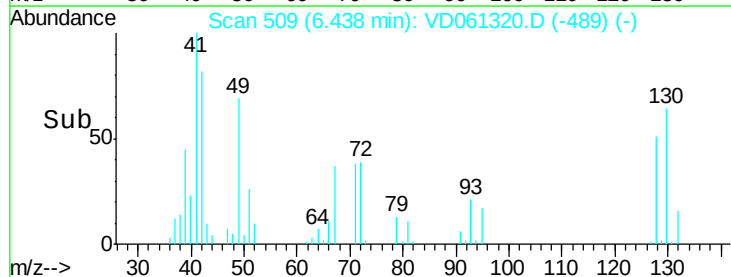
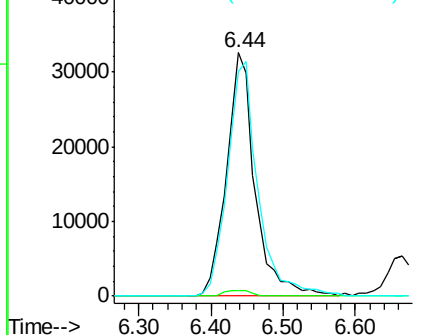
Lab File: VD061320.D

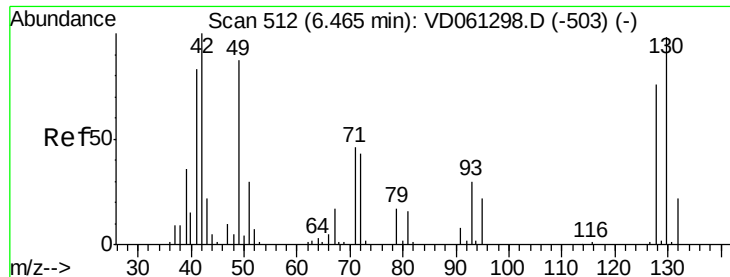
Acq: 26 Mar 2019 1:59

Tgt Ion:	49	Resp:	89606
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	5.2
130	92.2	79.0	118.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 1097.843 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

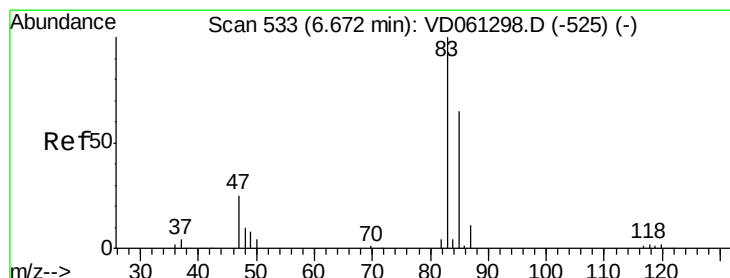
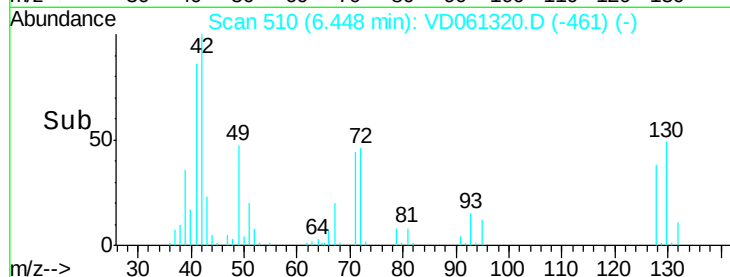
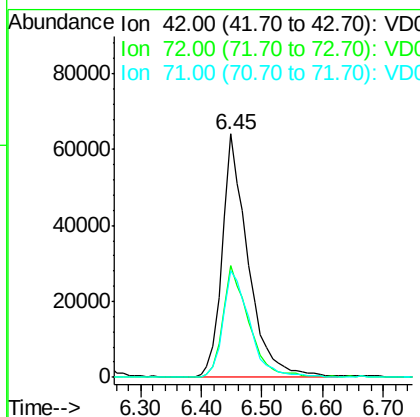
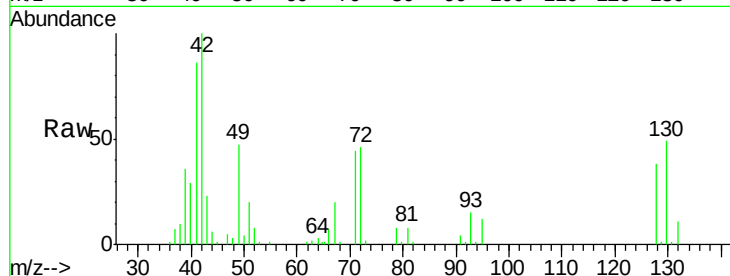
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	42	Resp:	191006
Ion Ratio		Lower	Upper
42	100		
72	45.8	36.6	54.8
71	44.9	36.3	54.5

Manual Integrations
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3/26/2019 11:59:46 AM



#30

Chloroform

Concen: 67.517 ug/l

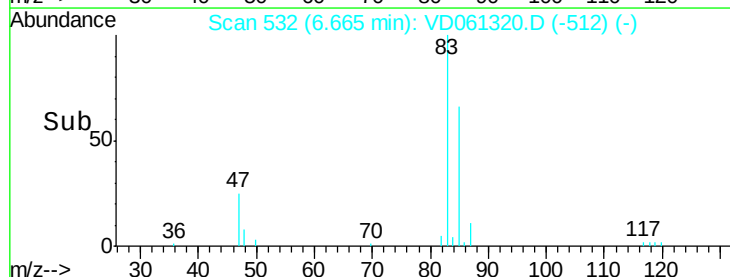
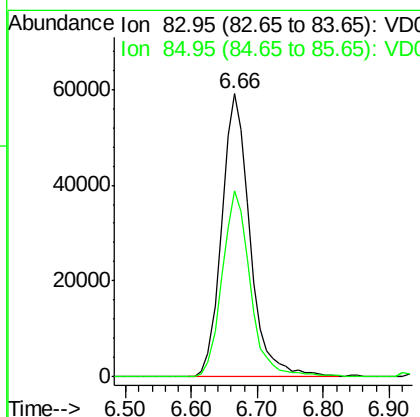
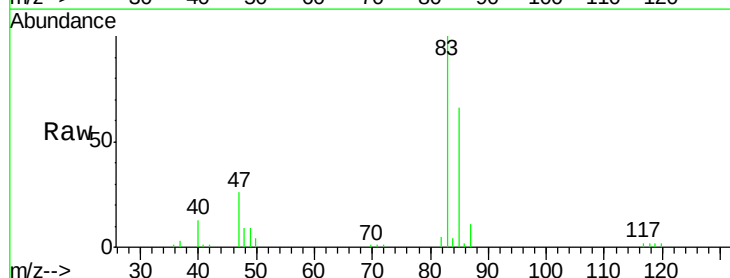
RT: 6.66 min Scan# 532

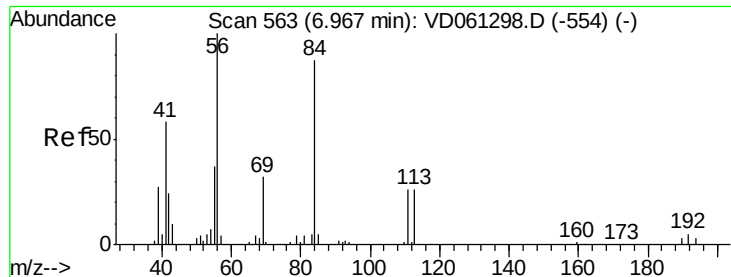
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	83	Resp:	177132
Ion Ratio		Lower	Upper
83	100		
85	65.7	52.2	78.2





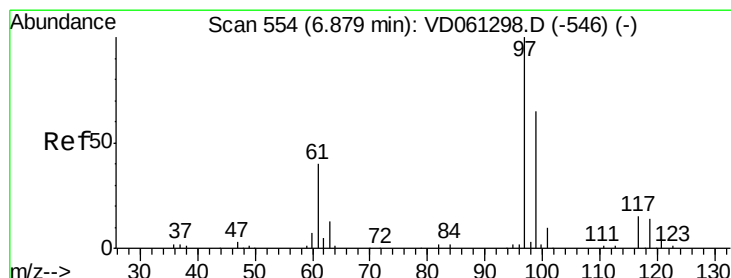
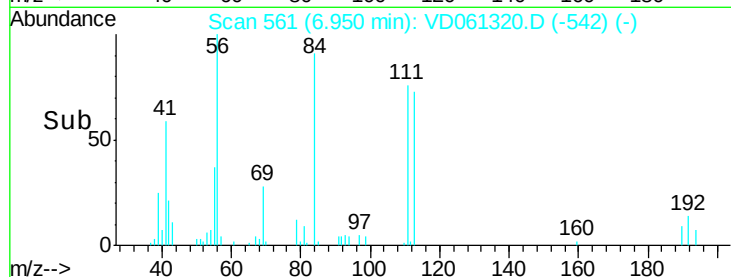
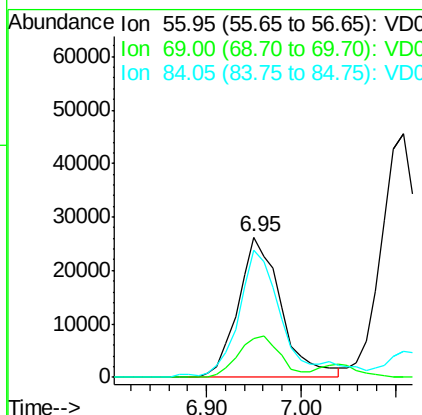
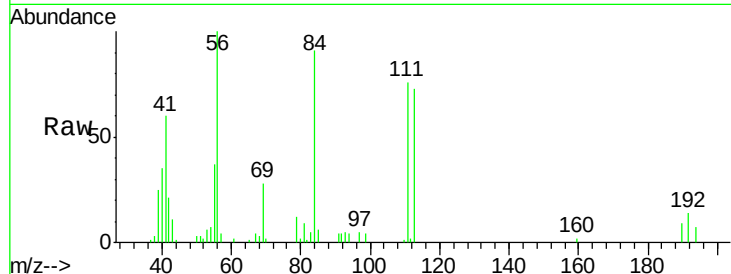
#31
Cyclohexane
Concen: 41.316 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	25.5	38.3
84	90.9	71.4	107.2

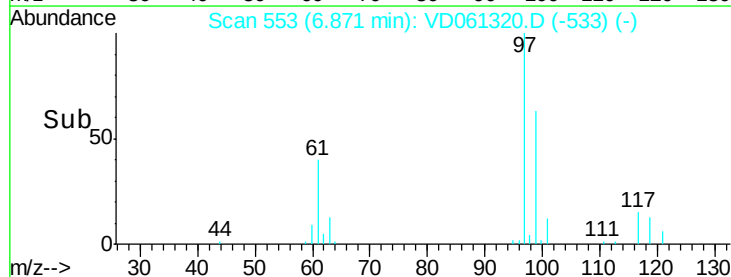
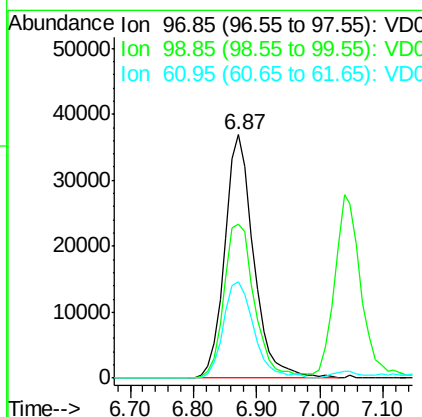
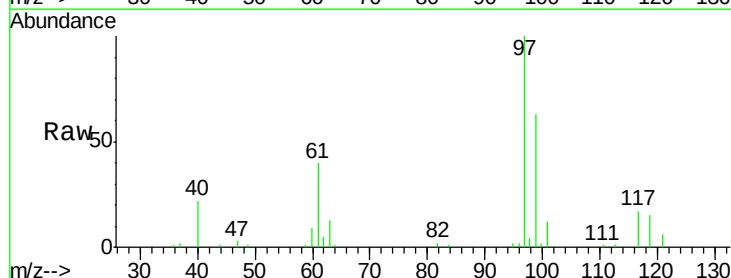
Manual Integrations
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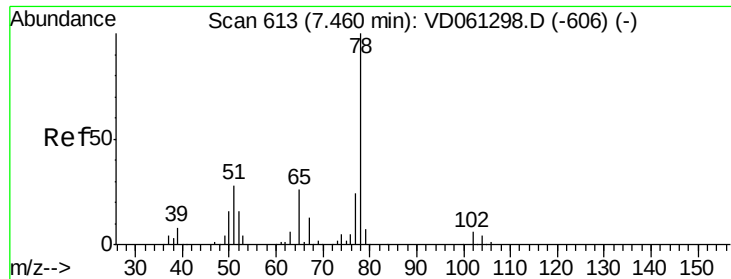
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#32
1,1,1-Trichloroethane
Concen: 50.301 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	39.8	31.9	47.9





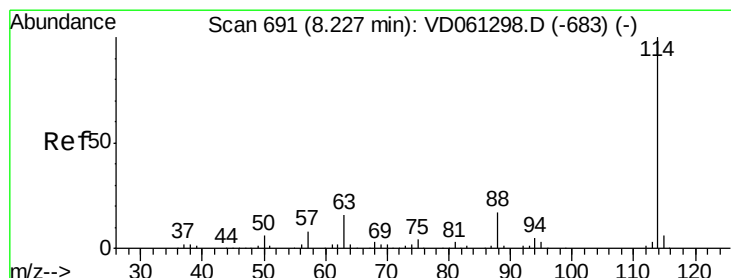
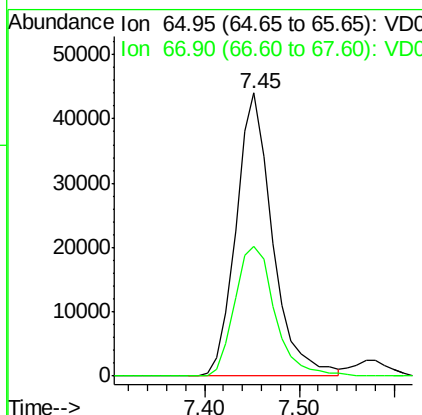
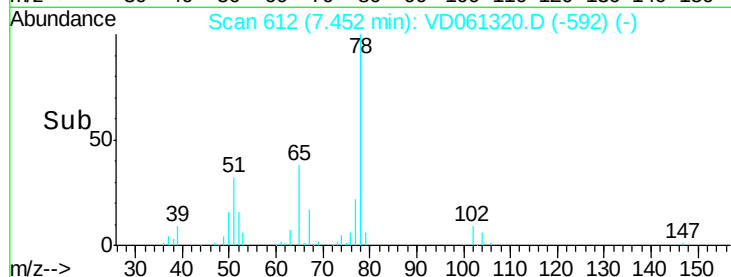
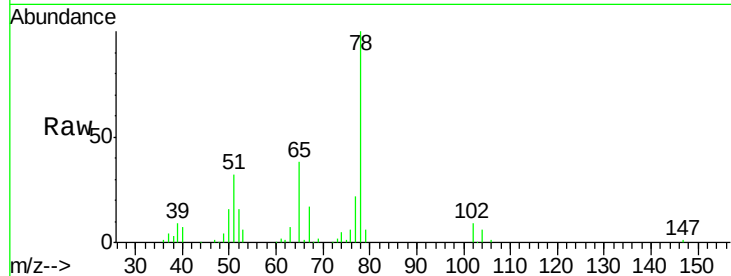
#33
 1,2-Dichloroethane-d4
 Concen: 50.301 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	45.6	0.0	100.8	

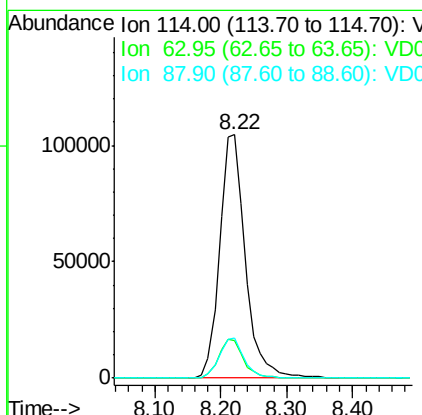
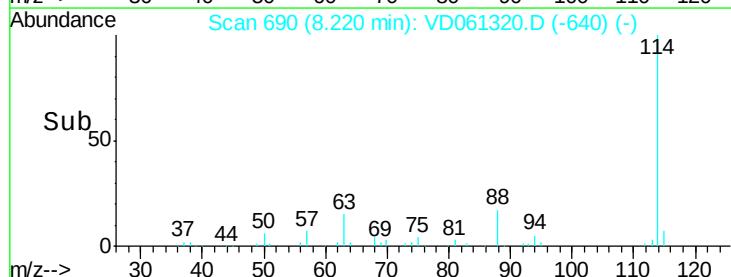
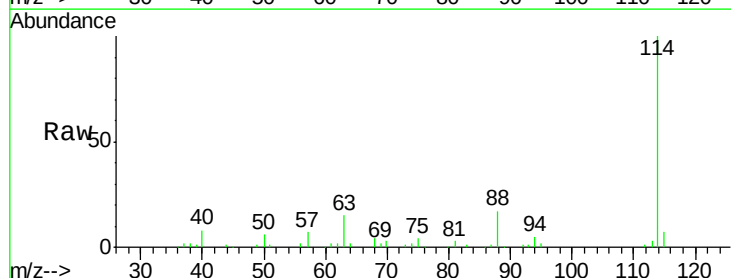
Manual Integrations
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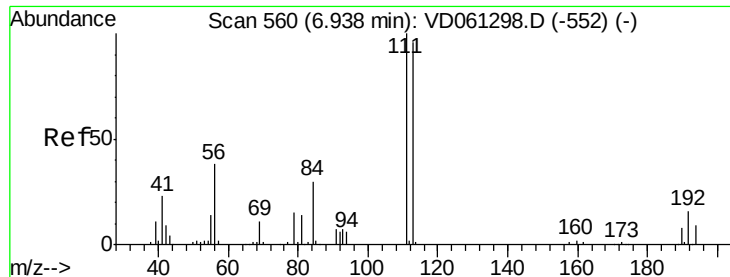
MMDadoda
 3/26/2019 11:59:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	15.2	0.0	31.4	
88	16.6	0.0	33.2	





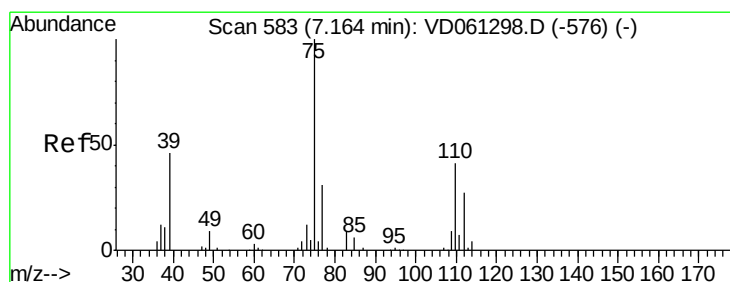
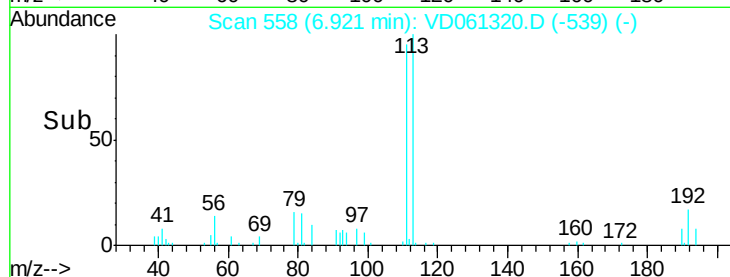
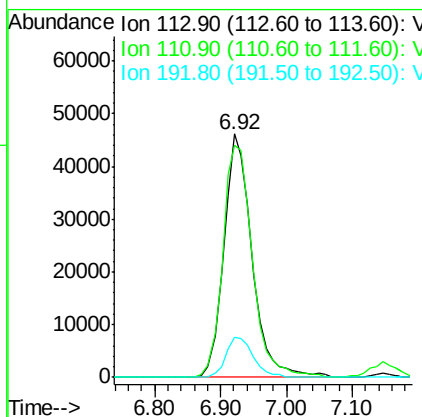
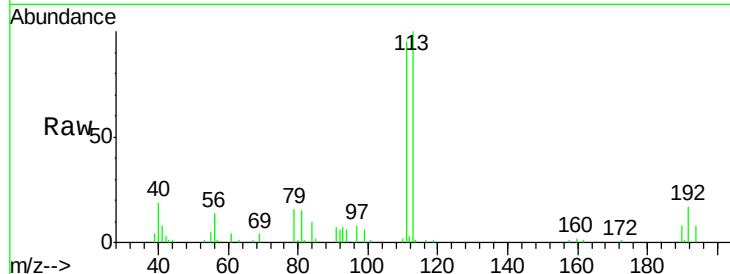
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137607		
111	95.4	83.7	125.5	
192	16.5	13.4	20.0	

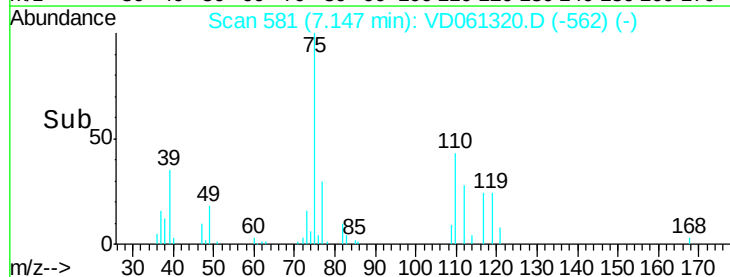
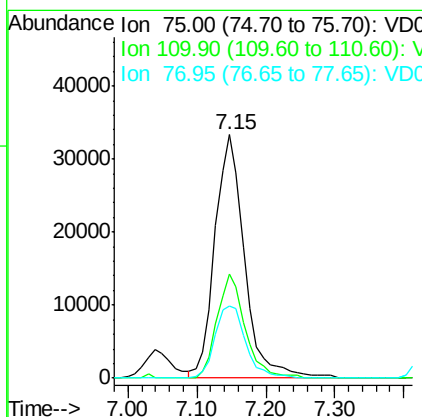
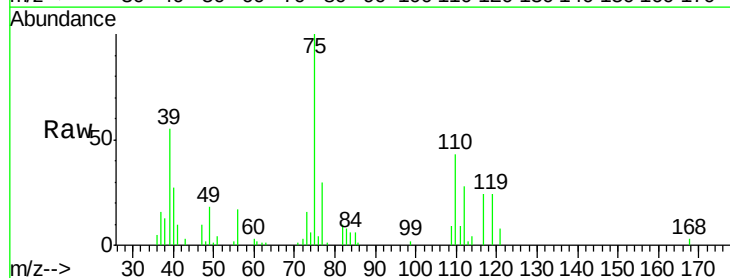
Manual Integrations
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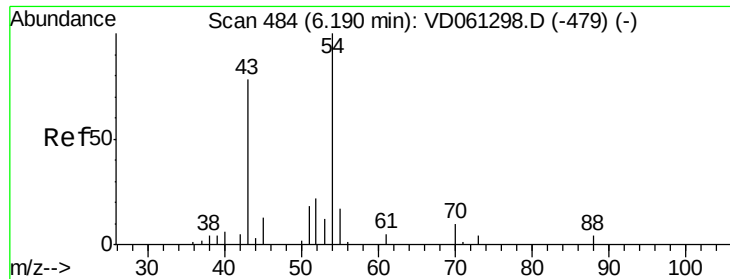
MMDadoda
 3/26/2019 11:59:46 AM



#36
 1,1-Dichloropropene
 Concen: 42.794 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99140		
110	43.0	20.1	60.2	
77	29.6	24.3	36.5	





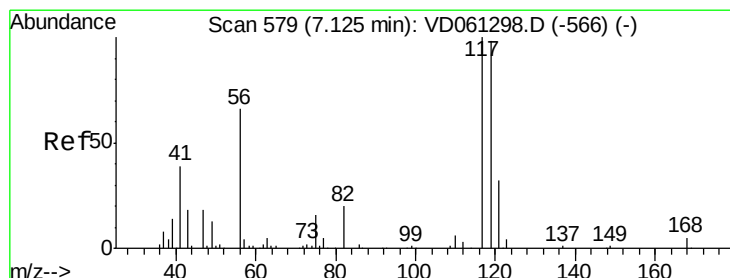
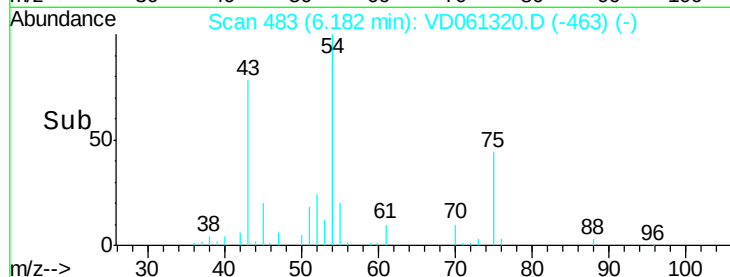
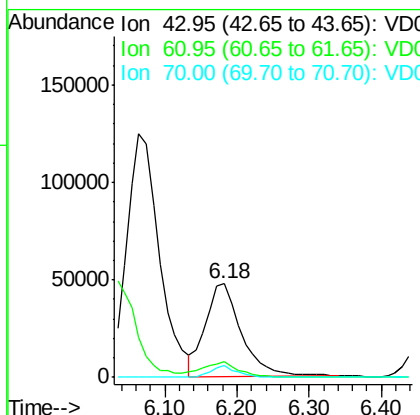
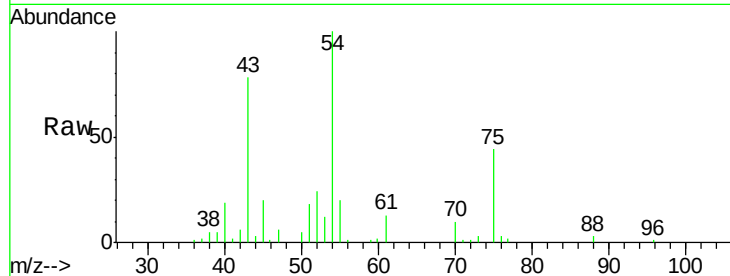
#37
Ethyl Acetate
Concen: 170.219 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.6	19.0
70	12.4	8.2	12.4#

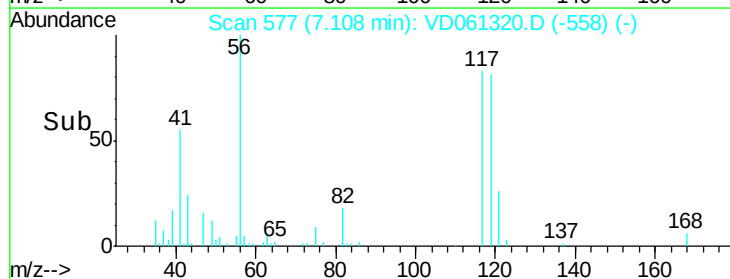
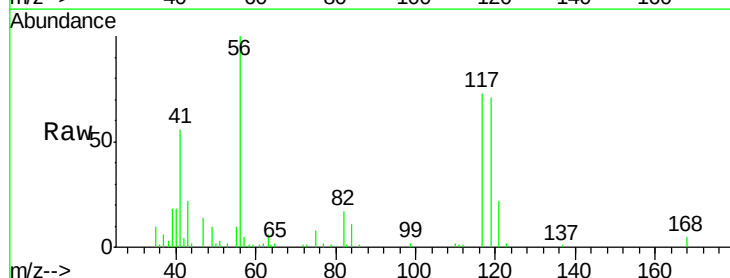
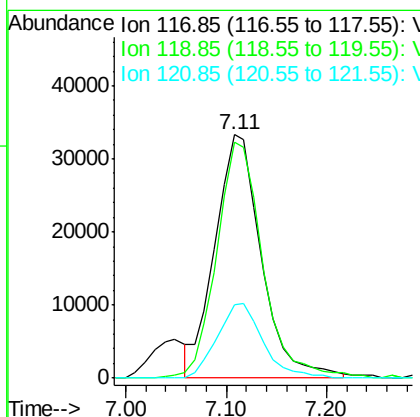
Manual Integrations
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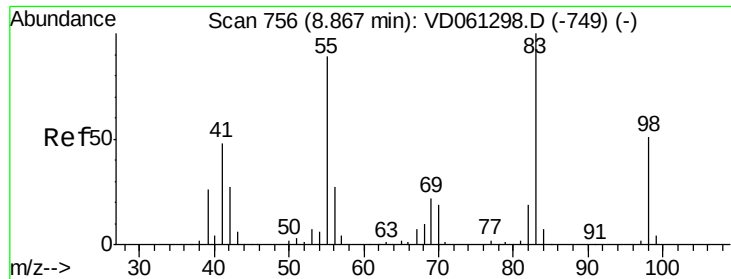
MMDadoda
3/26/2019 11:59:46 AM



#38
Carbon Tetrachloride
Concen: 40.606 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.4	117.6
121	30.2	25.1	37.7





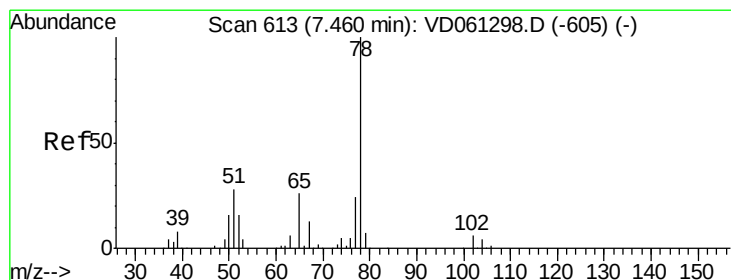
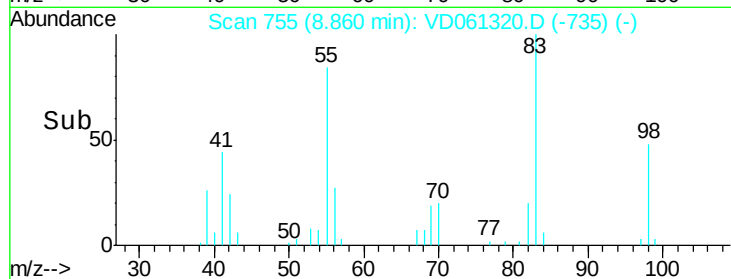
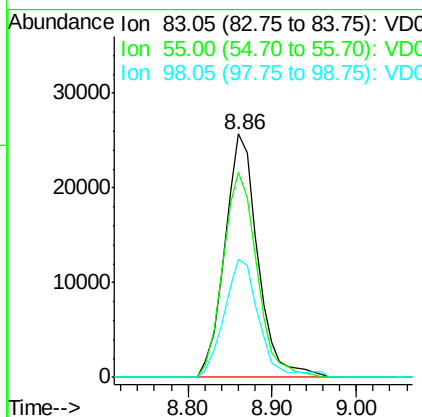
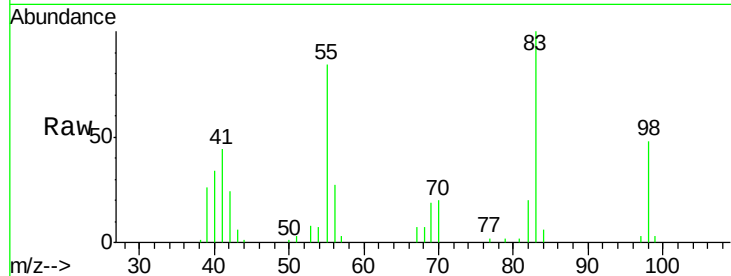
#39
Methylvlcyclohexane
Concen: 29.105 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	83	Resp	69832
Ion Ratio	Lower	Upper	
83	100		
55	84.0	71.3	106.9
98	48.3	40.4	60.6

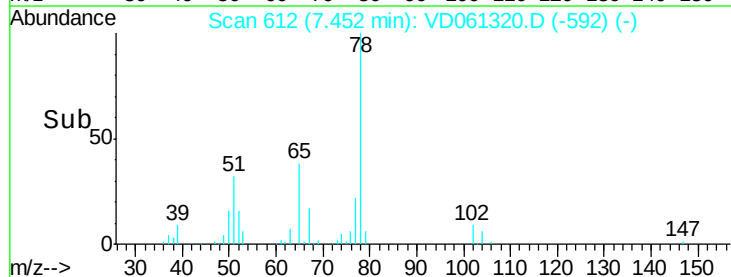
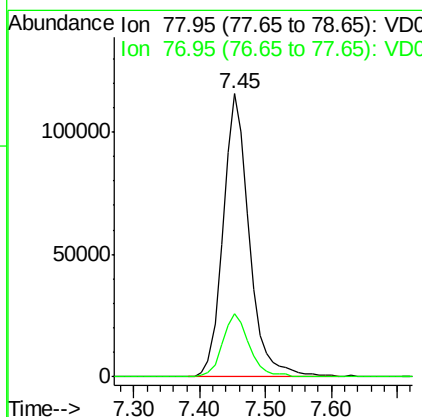
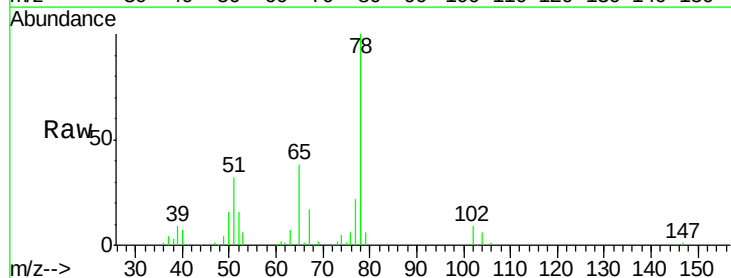
Manual Integrations
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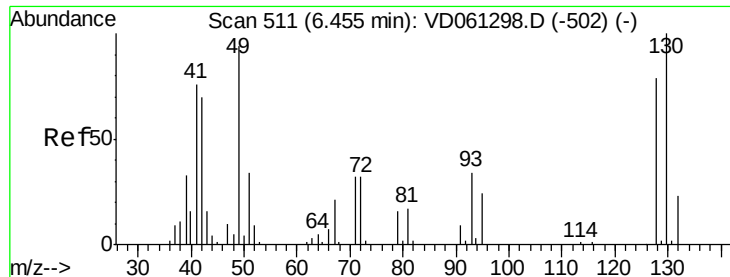
MMDadoda
3/26/2019 11:59:46 AM



#40
Benzene
Concen: 55.869 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	78	Resp	321444
Ion Ratio	Lower	Upper	
78	100		
77	22.2	18.8	28.2





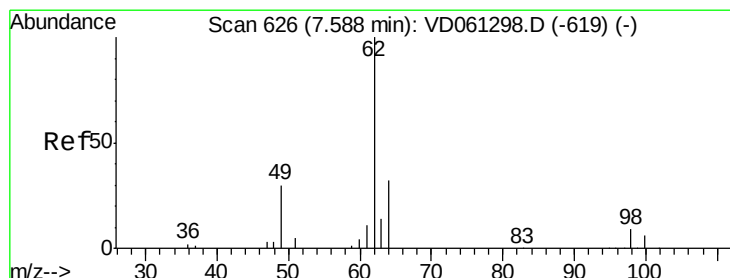
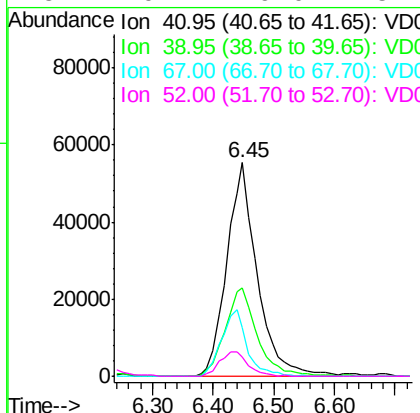
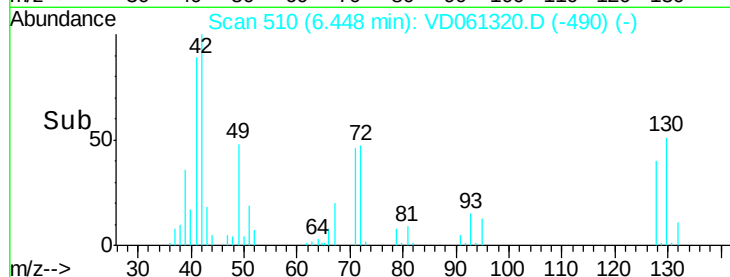
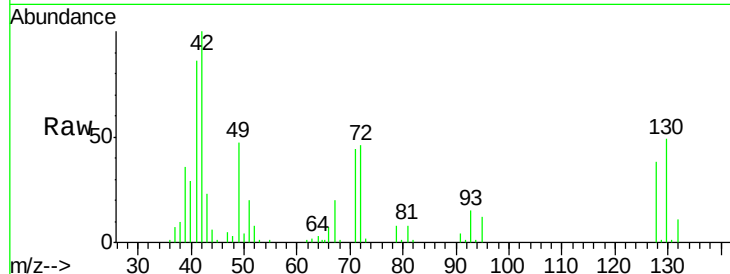
#41
Methacrylonitrile
Concen: 170.928 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	41.4	34.2	51.2	
67	22.6	21.8	32.6	
52	9.1	9.0	13.4	

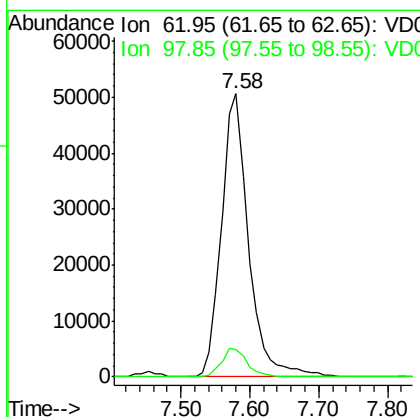
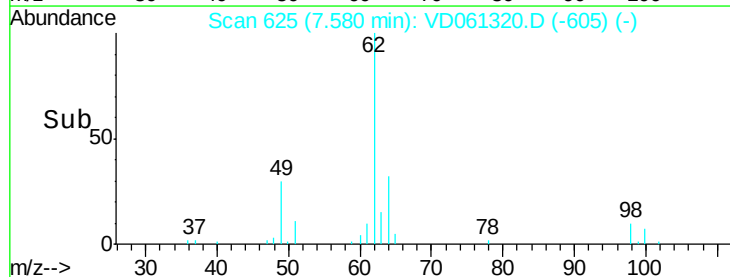
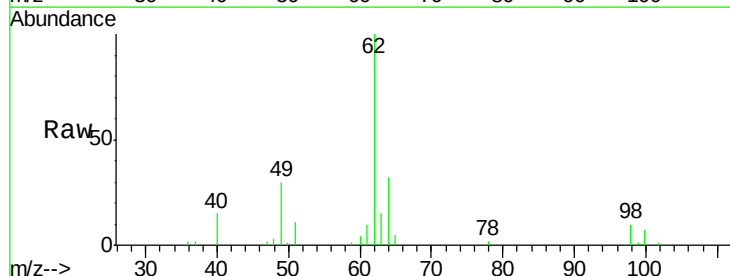
Manual Integrations
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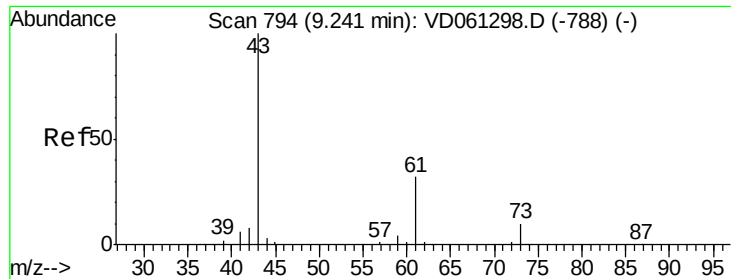
MMDadoda
3/26/2019 11:59:46 AM



#42
1,2-Dichloroethane
Concen: 76.946 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.7	0.0	18.6	





#43

Isopropyl Acetate

Concen: 137.965 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

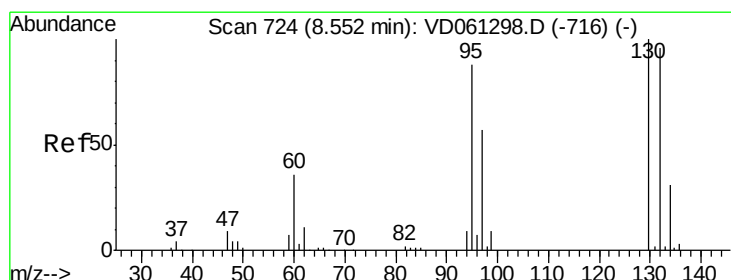
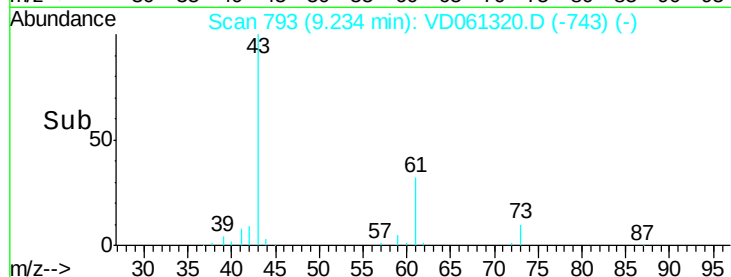
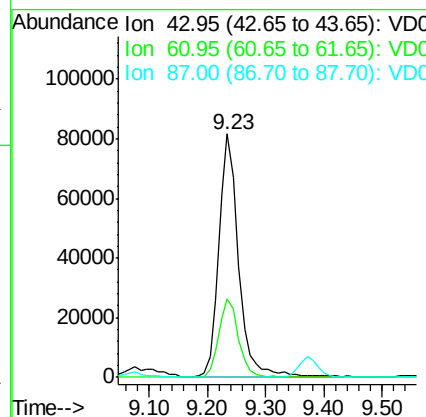
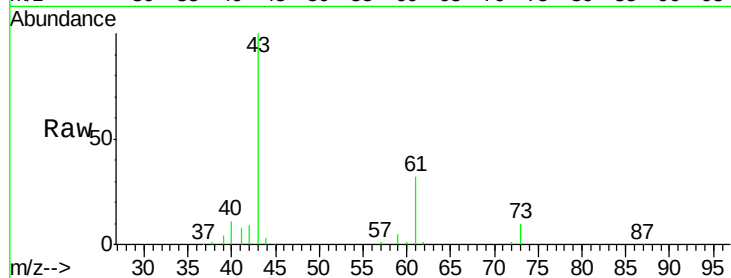
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	43	Resp:	192489
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.8	38.8
87	0.4	0.3	0.5

Manual Integrations
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#44

Trichloroethene

Concen: 48.542 ug/l

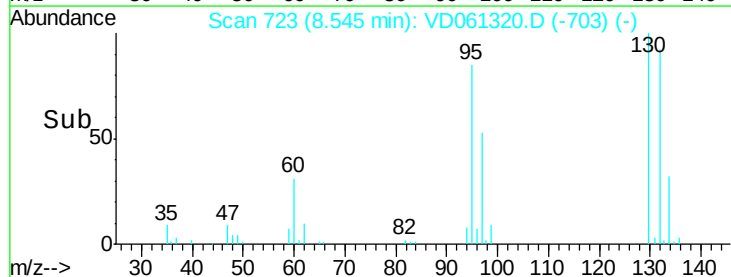
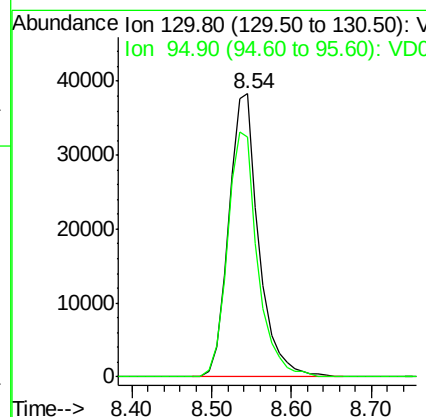
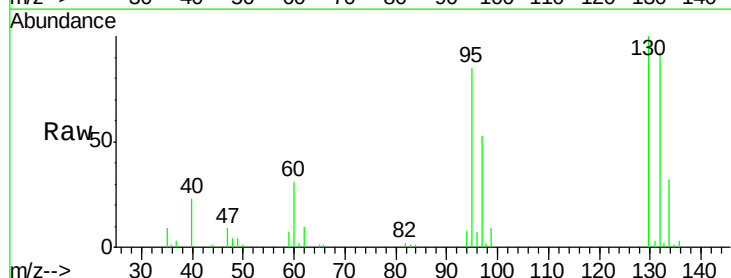
RT: 8.54 min Scan# 723

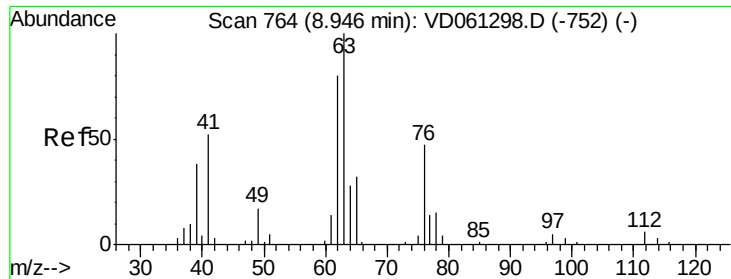
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	130	Resp:	101006
Ion	Ratio	Lower	Upper
130	100		
95	84.8	0.0	175.0





#45

1,2-Dichloropropane

Concen: 66.442 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 63 Resp: 94350

Ion Ratio Lower Upper

63 100

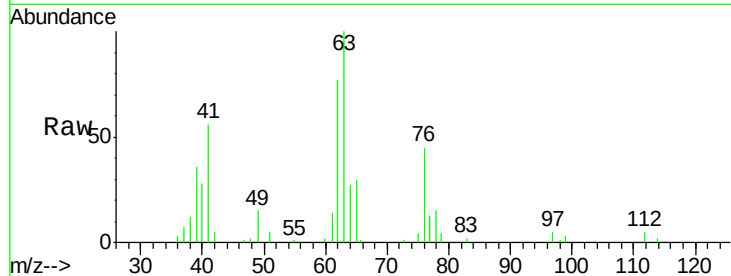
65 29.8 25.2 37.8

Manual Integrations

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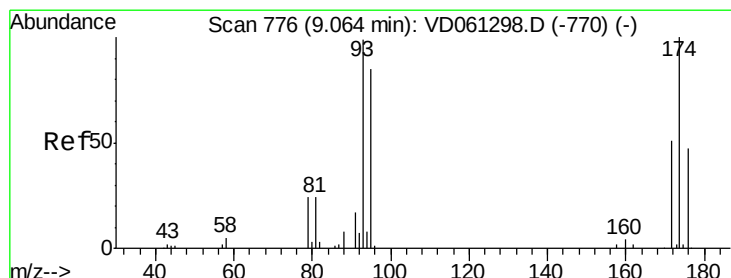
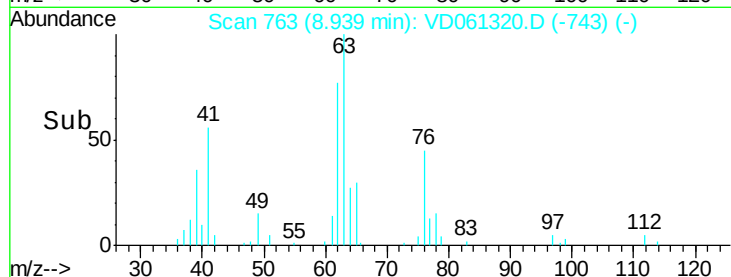
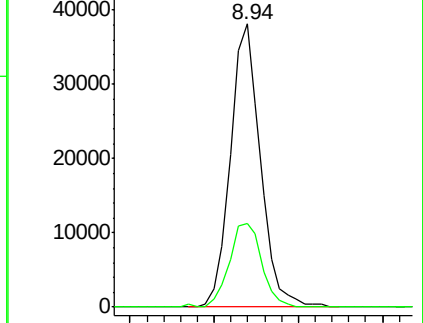
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 92.685 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

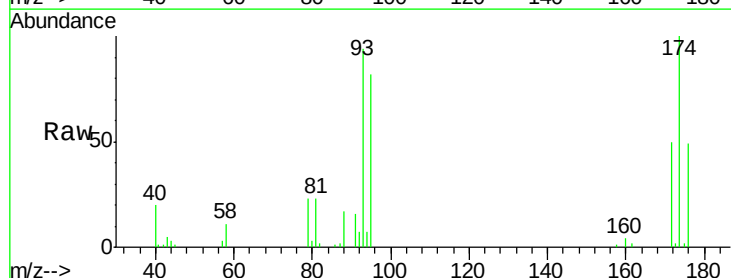
Tgt Ion: 93 Resp: 90217

Ion Ratio Lower Upper

93 100

95 87.3 68.1 102.1

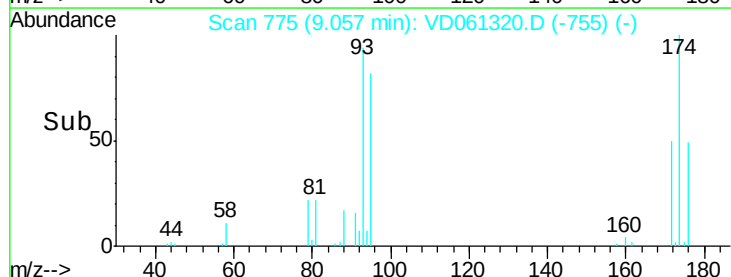
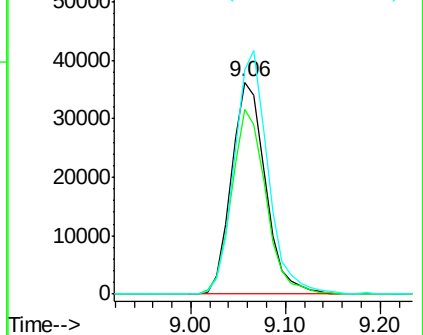
174 105.9 80.4 120.6

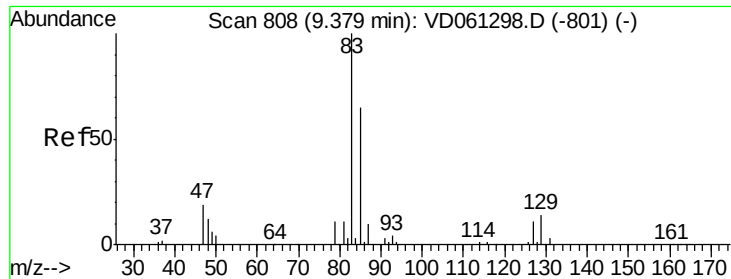


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 66.223 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

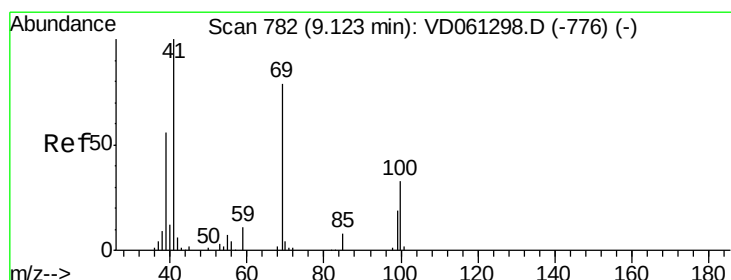
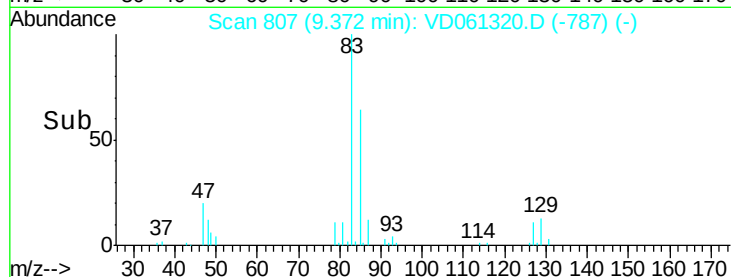
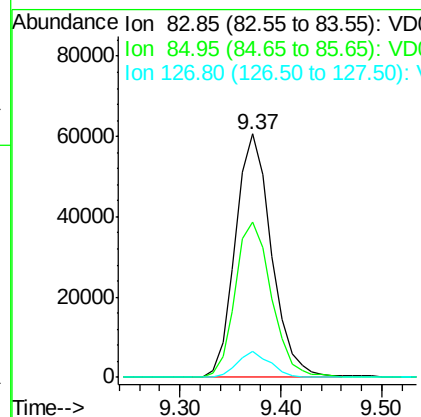
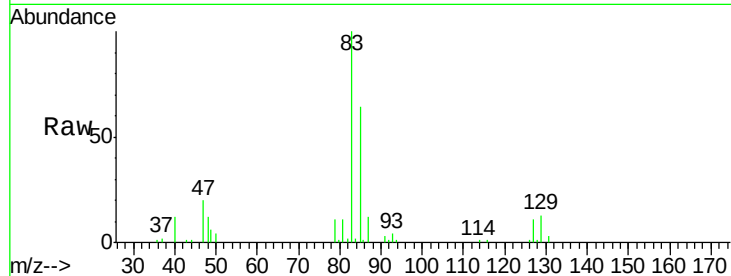
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	83	Resp:	151085
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.7	77.5
127	10.9	8.8	13.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 152.314 ug/l

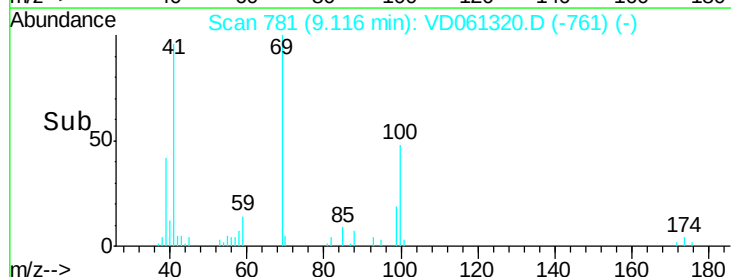
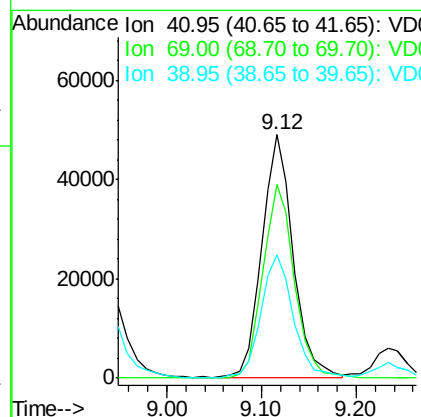
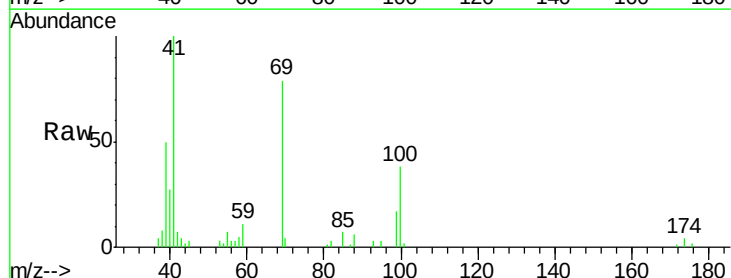
RT: 9.12 min Scan# 781

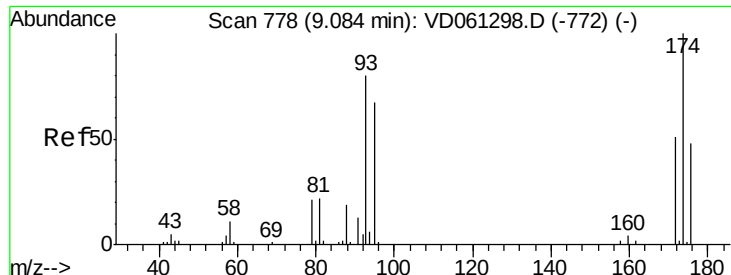
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	41	Resp:	113424
Ion Ratio	Lower	Upper	
41	100		
69	79.3	62.4	93.6
39	50.4	44.9	67.3





#49

1,4-Dioxane

Concen: 4834.325 ug/l

RT: 9.08 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

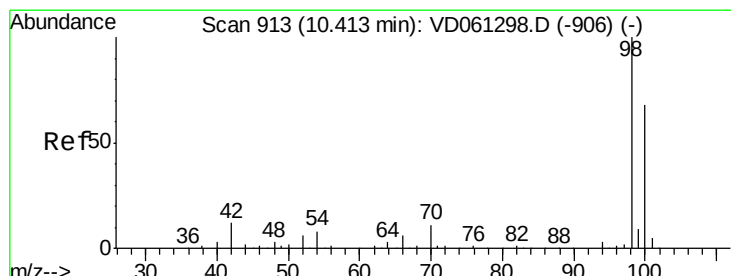
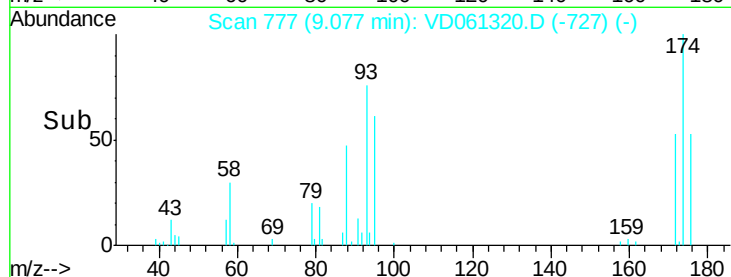
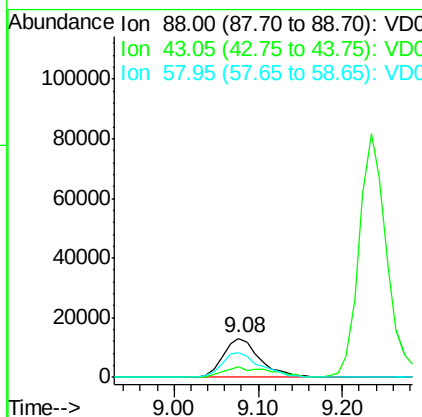
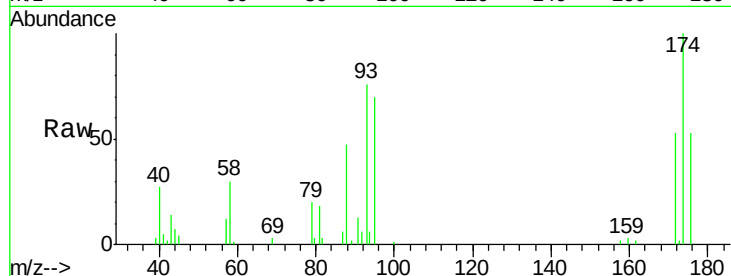
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	88	Resp:	39499
Ion	Ratio	Lower	Upper
88	100		
43	29.0	20.7	31.1
58	63.9	44.9	67.3

Manual Integrations
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#50

Toluene-d8

Concen: 4834.325 ug/l

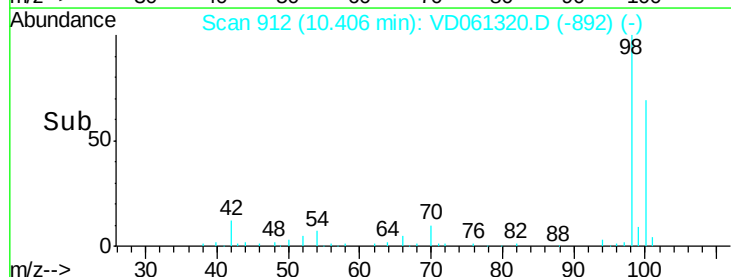
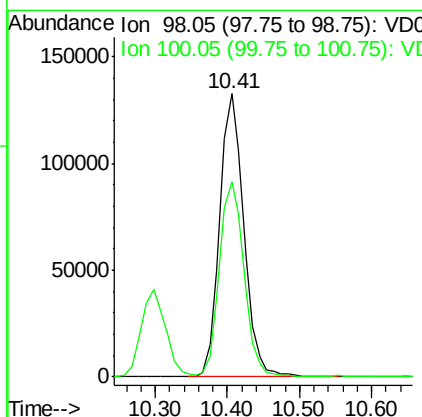
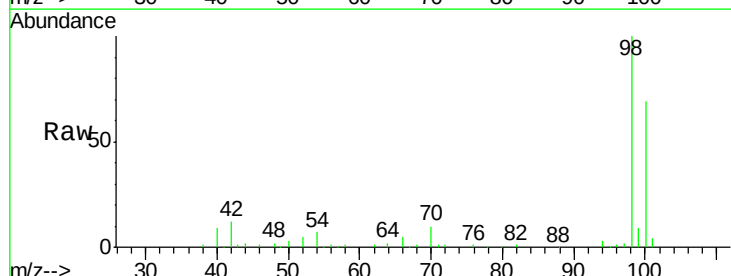
RT: 10.41 min Scan# 912

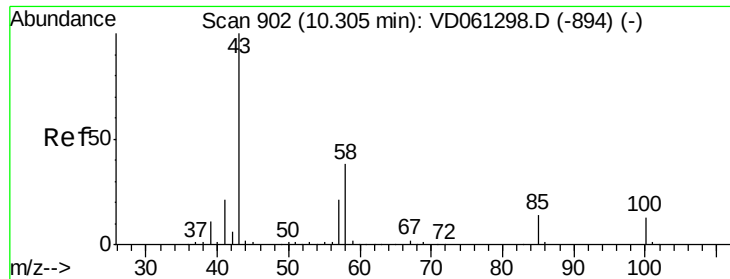
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	98	Resp:	306966
Ion	Ratio	Lower	Upper
98	100		
100	68.7	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 869.591 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 43 Resp: 722245

Ion Ratio Lower Upper

43 100

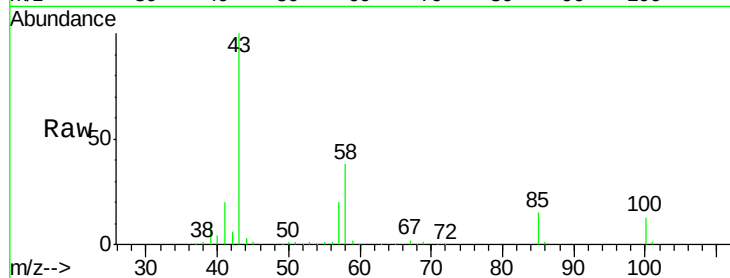
58 38.4 30.6 45.8

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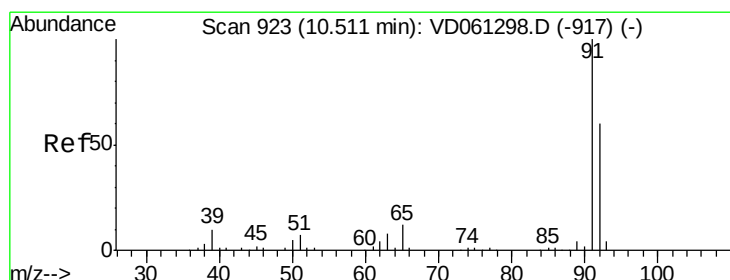
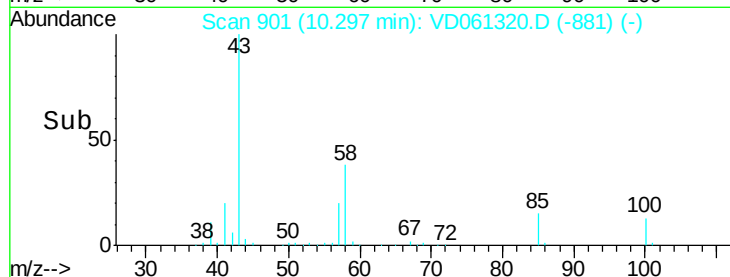
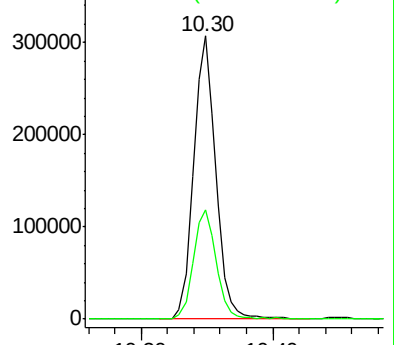
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 55.998 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061320.D

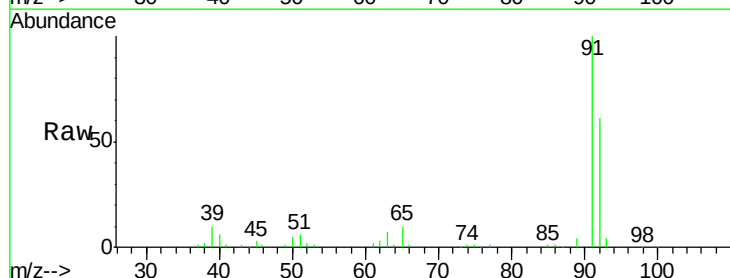
Acq: 26 Mar 2019 1:59

Tgt Ion: 92 Resp: 197139

Ion Ratio Lower Upper

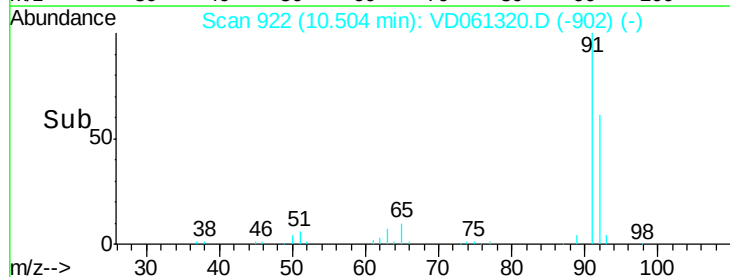
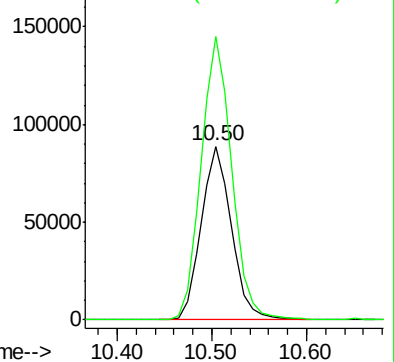
92 100

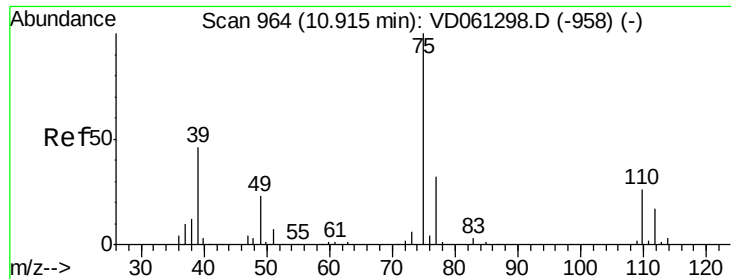
91 163.0 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





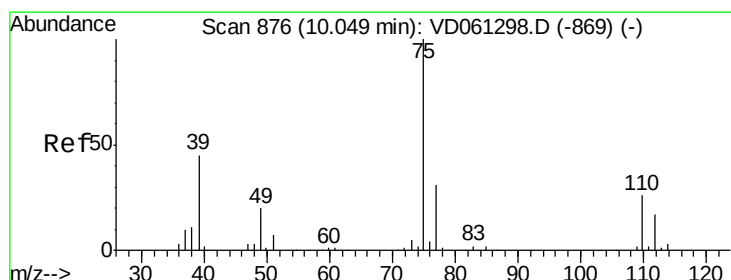
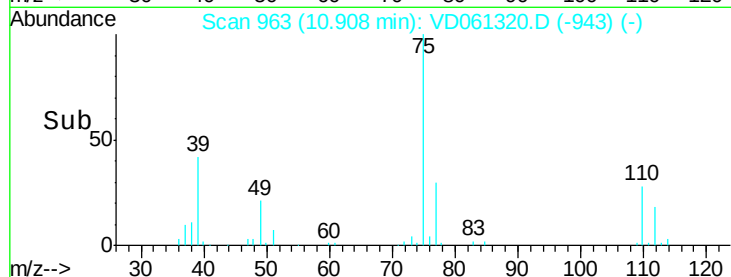
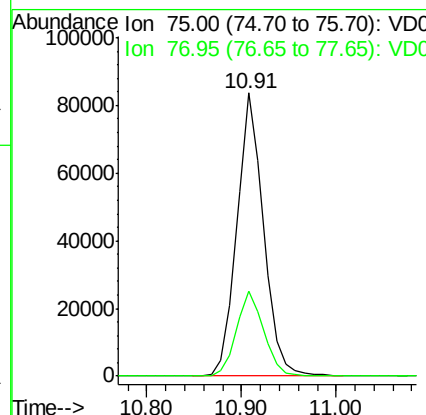
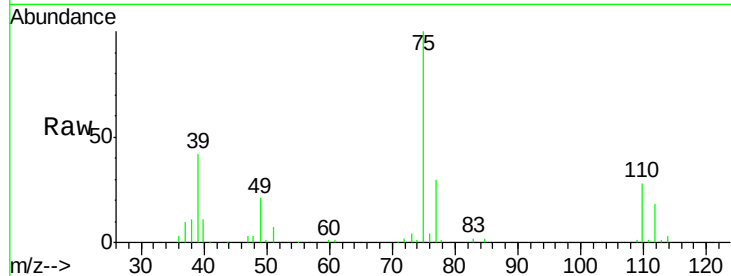
#53
 t-1,3-Dichloropropene
 Concen: 81.963 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion: 75 Resp: 162509
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.6

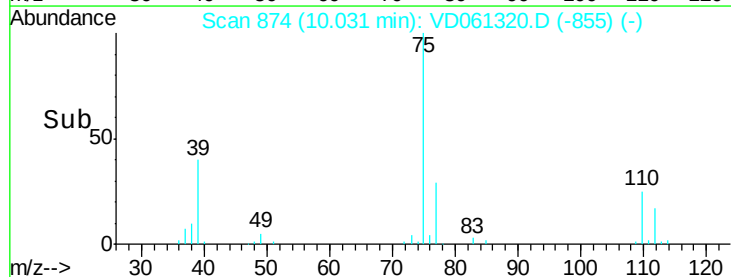
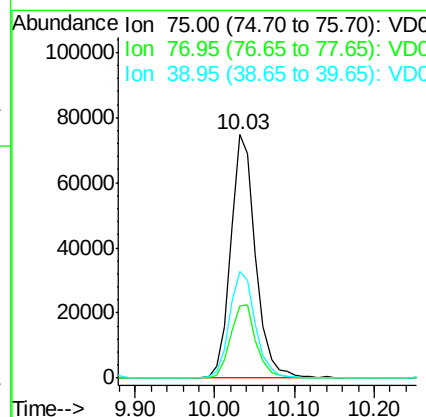
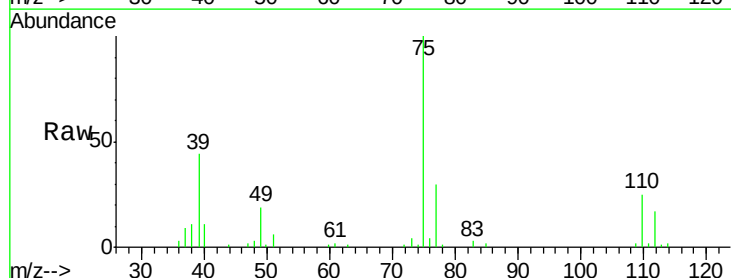
Manual Integrations
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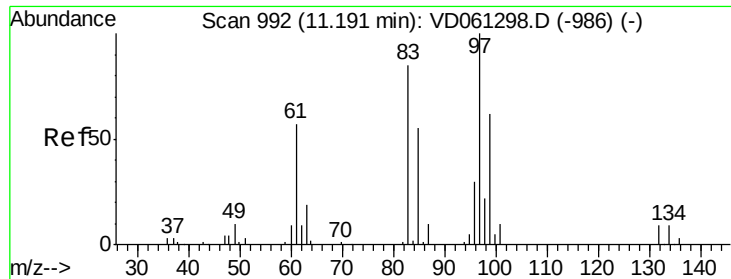
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 67.470 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion: 75 Resp: 163351
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.9 37.3
 39 44.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 93.572 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tot Ion	97	Resp	109366
Ion Ratio	Lower	Upper	
97	100		
83	85.5	67.7	101.5
85	53.7	43.8	65.8
99	61.5	49.8	74.6

Instrument :

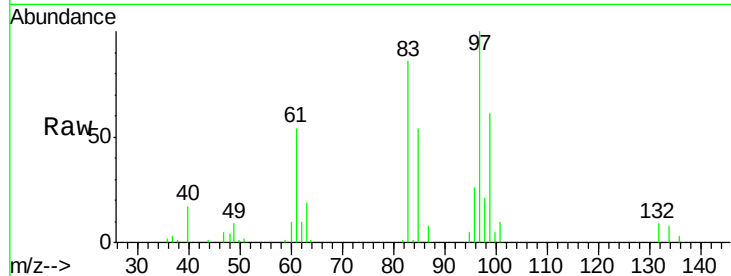
MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Manual Integrations
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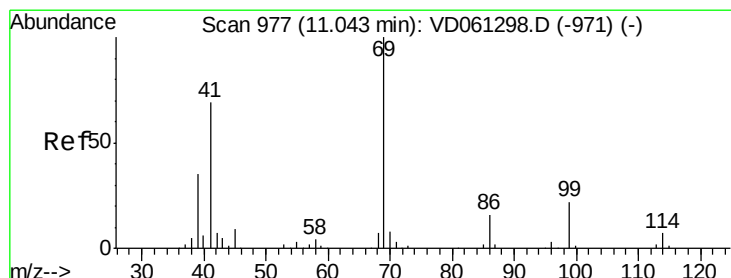
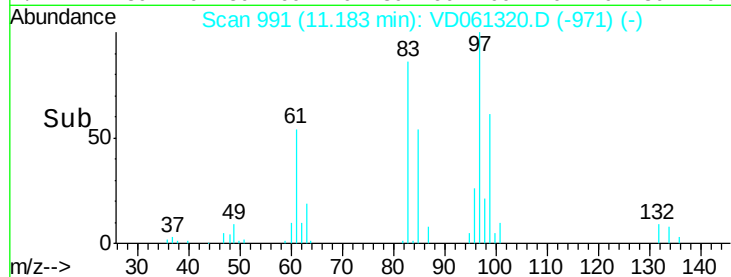
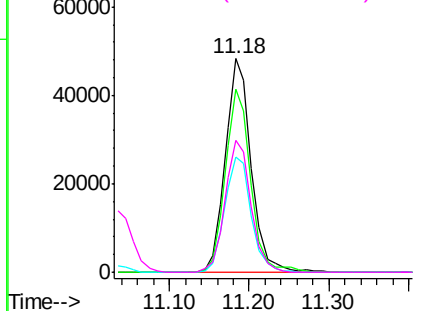


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 109.141 ug/l

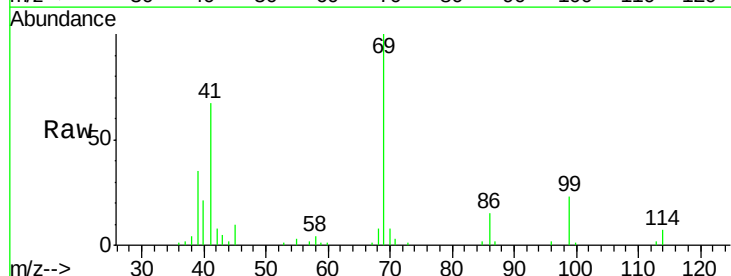
RT: 11.04 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

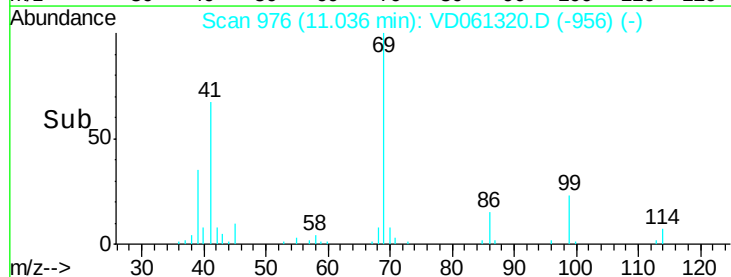
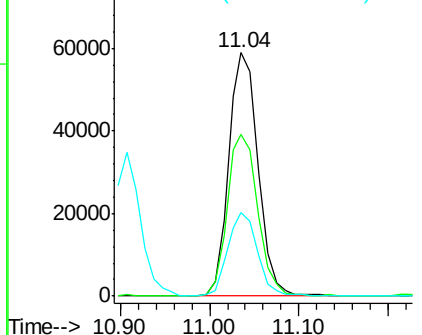
Tgt Ion	69	Resp	136120
Ion Ratio	Lower	Upper	
69	100		
41	66.5	54.9	82.3
39	34.6	28.5	42.7

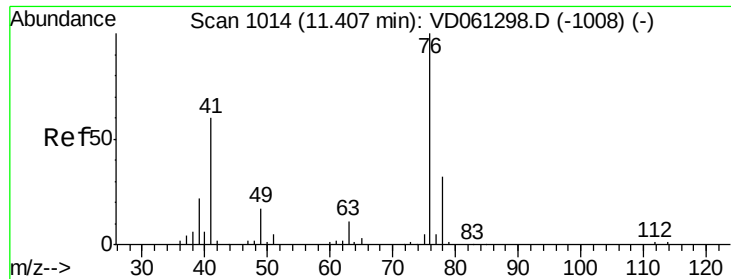


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





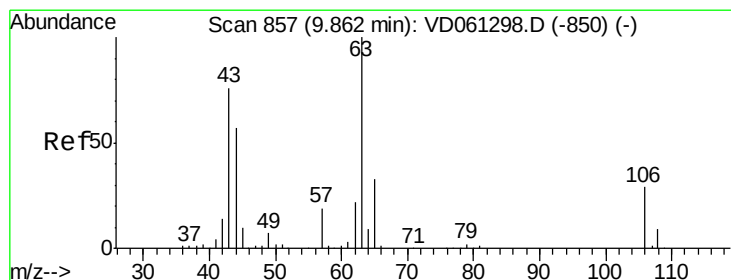
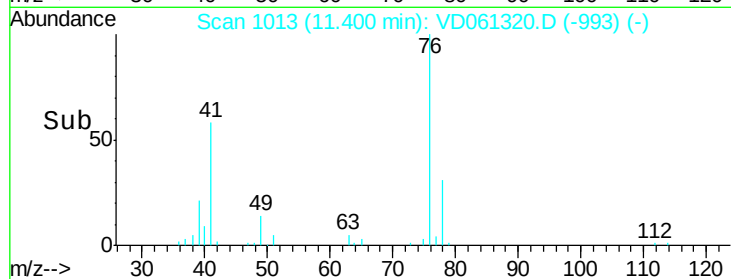
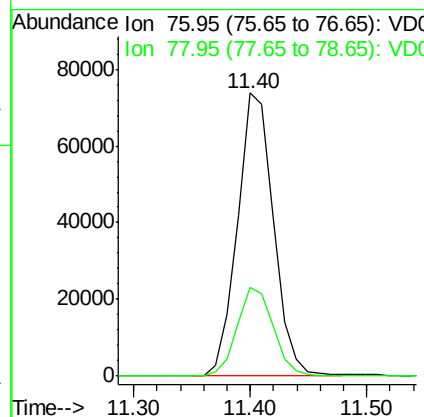
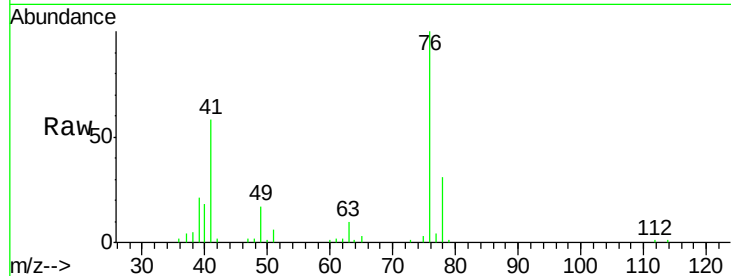
#57
 1,3-Dichloropropane
 Concen: 89.892 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion: 76 Resp: 158675
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.7 38.5

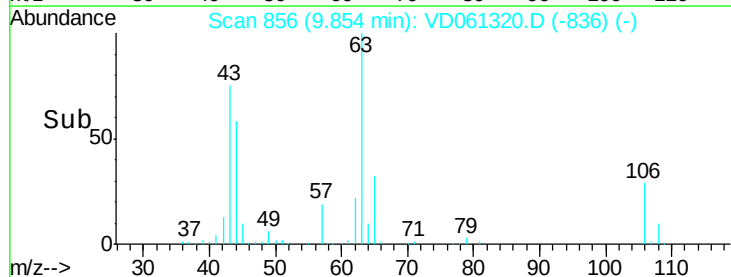
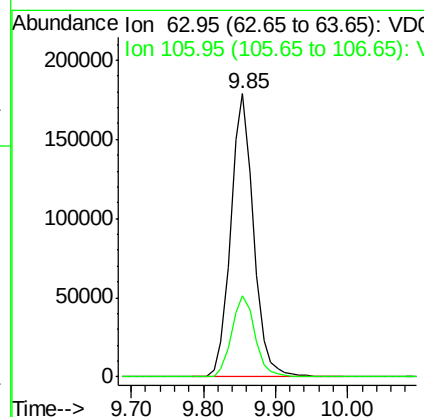
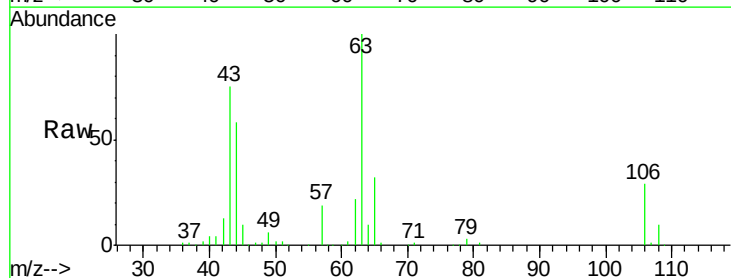
Manual Integrations
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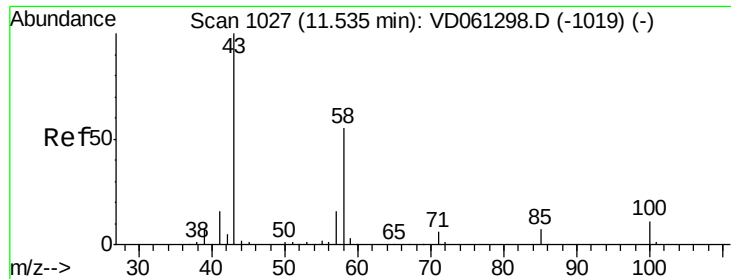
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#58
 2-Chloroethyl Vinyl ether
 Concen: 606.259 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion: 63 Resp: 393364
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.4 35.0





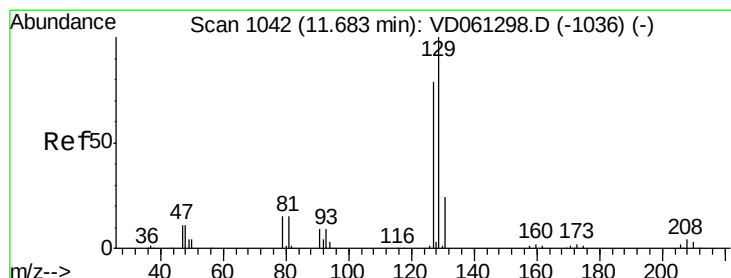
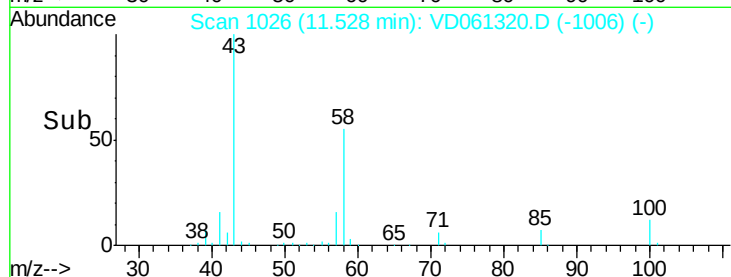
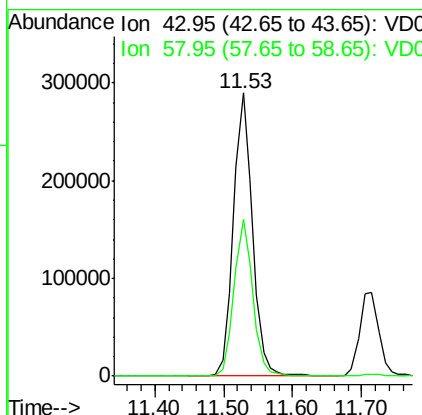
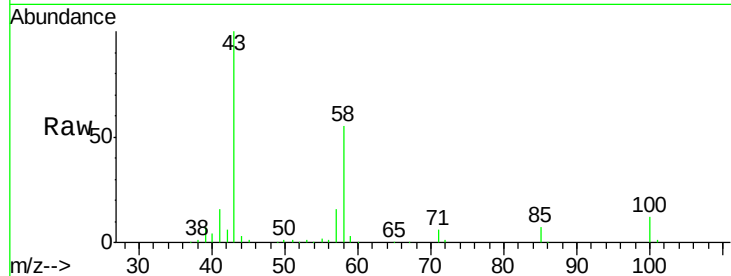
#59
2-Hexanone
Concen: 918.309 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.4	82.0

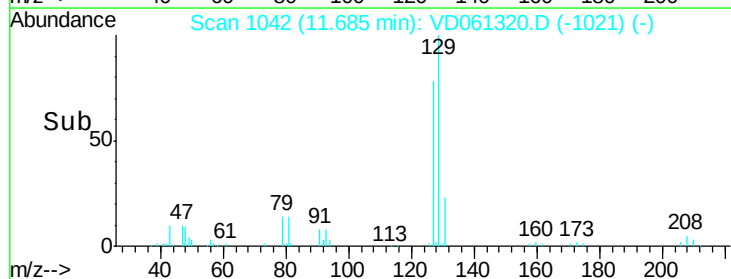
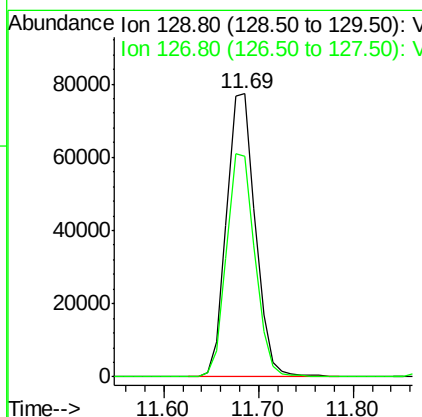
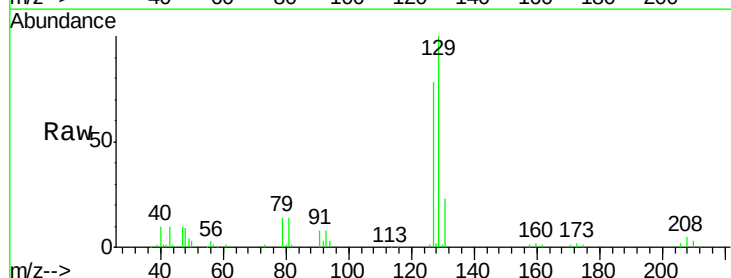
Manual Integrations
APPROVED

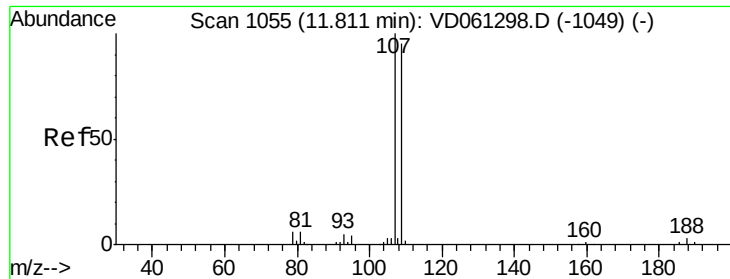
MMDadoda
3/26/2019 11:59:46 AM



#60
Dibromochloromethane
Concen: 89.418 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.6	119.0





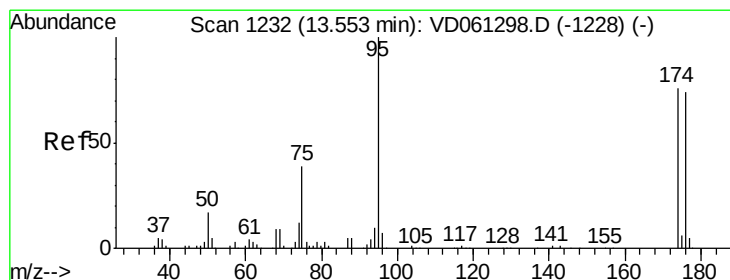
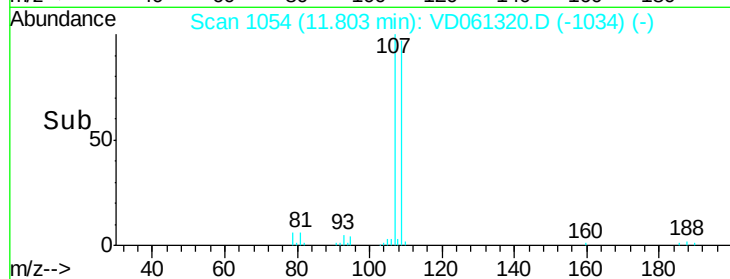
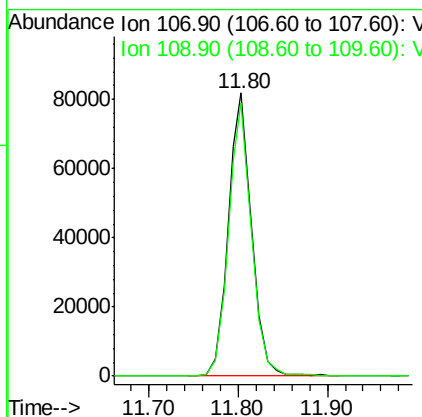
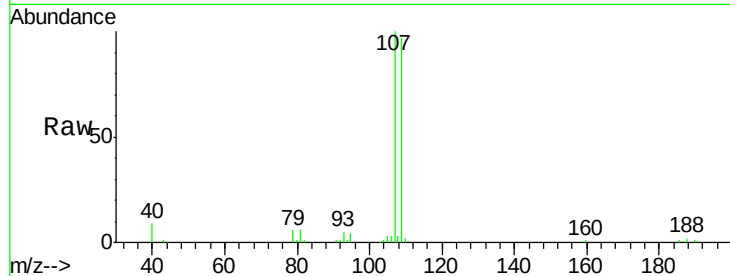
#61
 1,2-Dibromoethane
 Concen: 110.087 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	150337		
109	96.6	76.1	114.1	

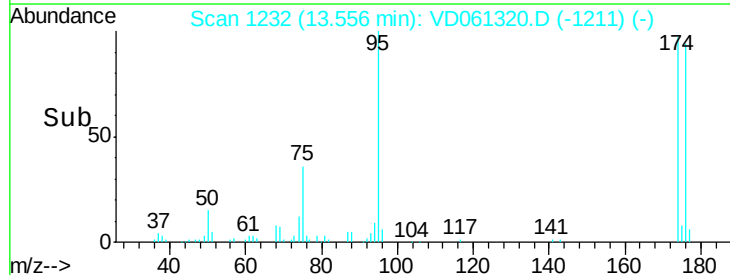
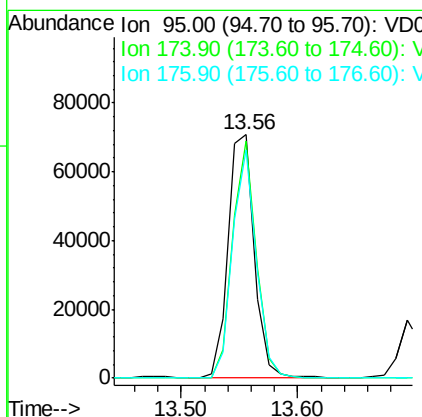
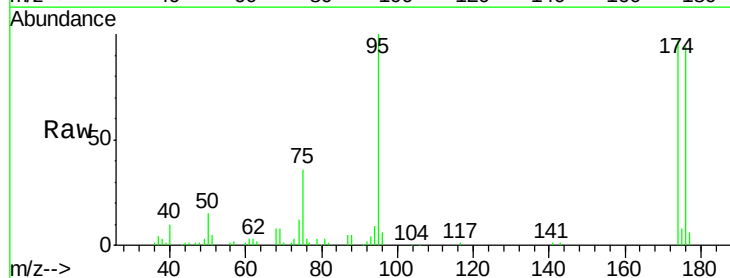
Manual Integrations
 APPROVED

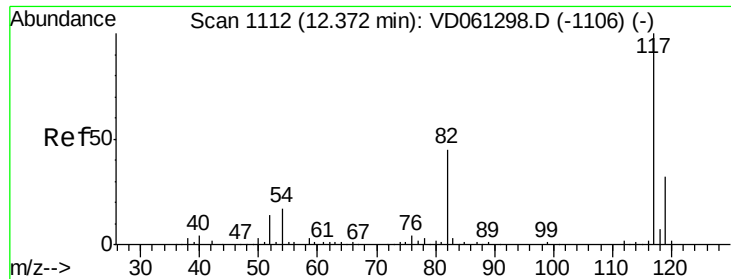
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 110.087 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	110536		
174	97.5	0.0	151.8	
176	93.9	0.0	148.0	





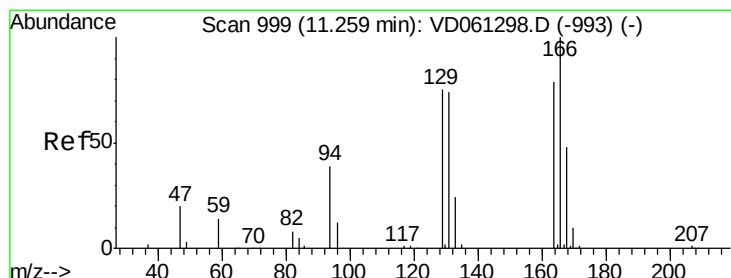
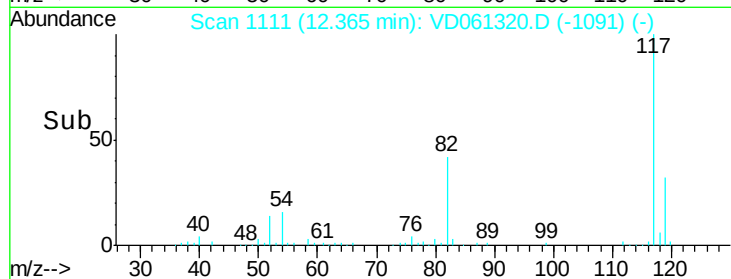
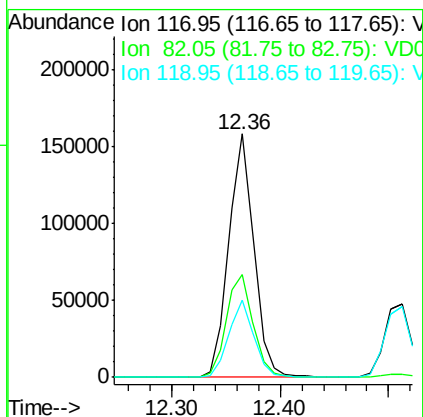
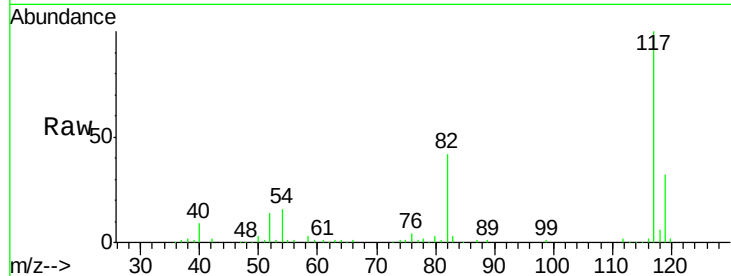
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	42.2	35.7	53.5
119	31.6	25.9	38.9

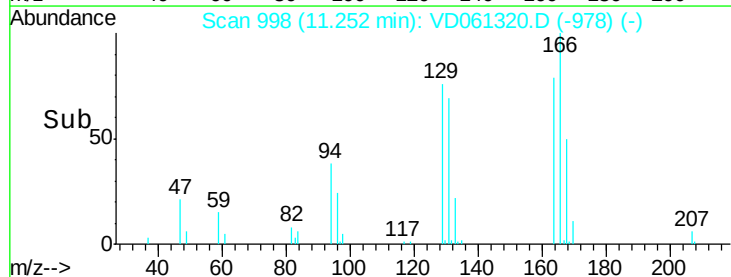
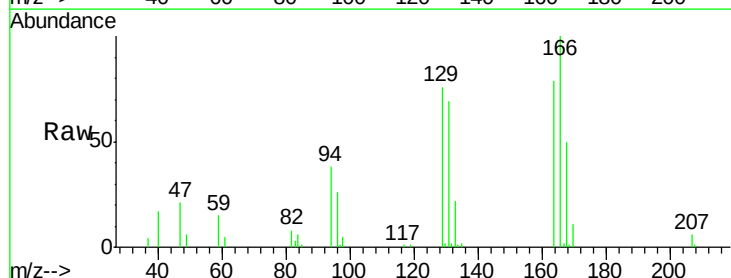
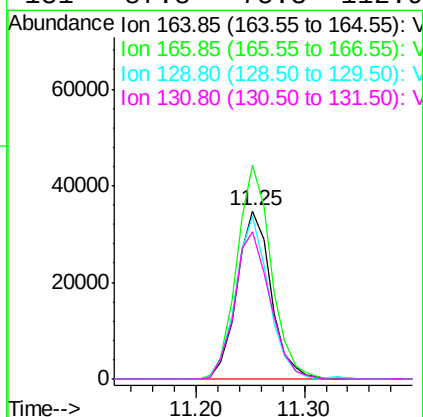
Manual Integrations
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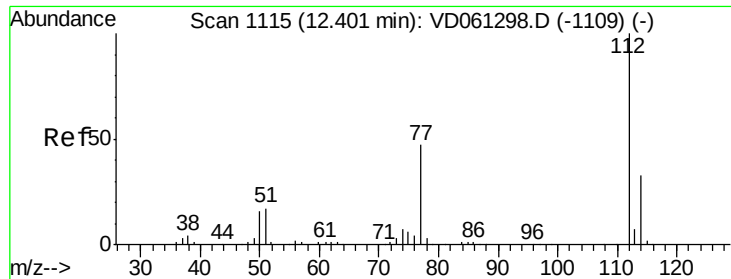
MMDadoda
3/26/2019 11:59:46 AM



#64
Tetrachloroethene
Concen: 42.833 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.6	152.4
129	97.2	75.9	113.9
131	87.8	75.3	112.9





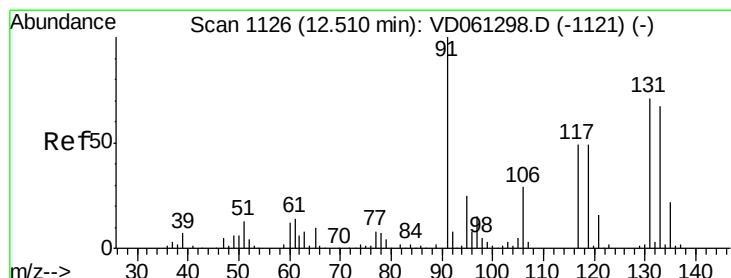
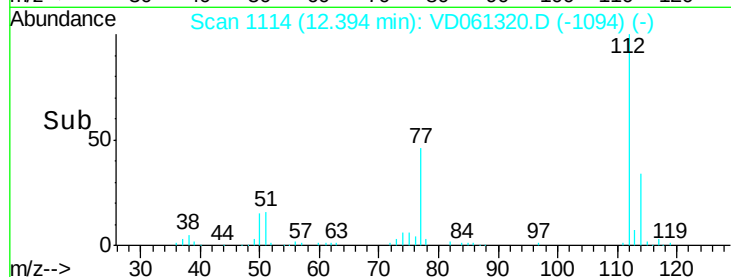
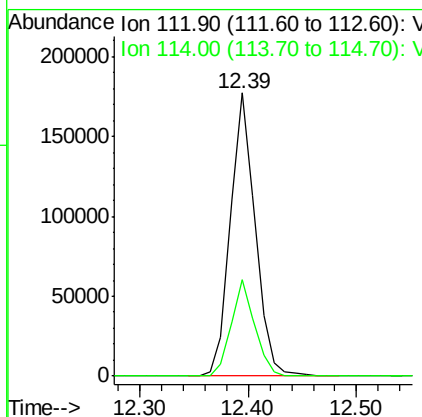
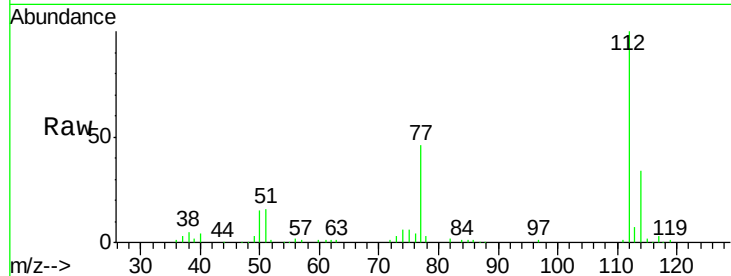
#65
Chlorobenzene
Concen: 60.031 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion:112 Resp: 283771
Ion Ratio Lower Upper
112 100
114 34.2 26.5 39.7

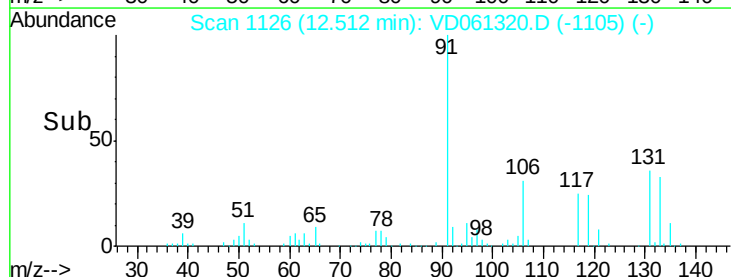
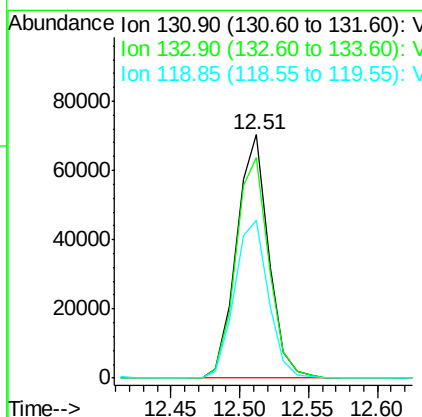
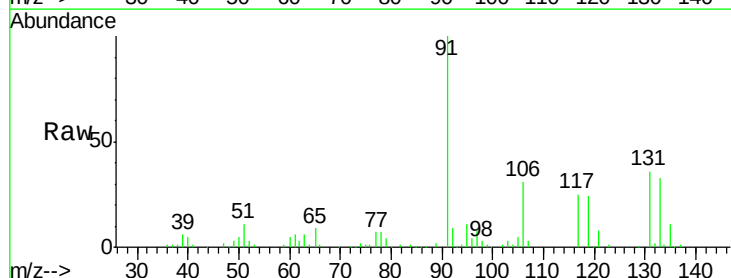
Manual Integrations
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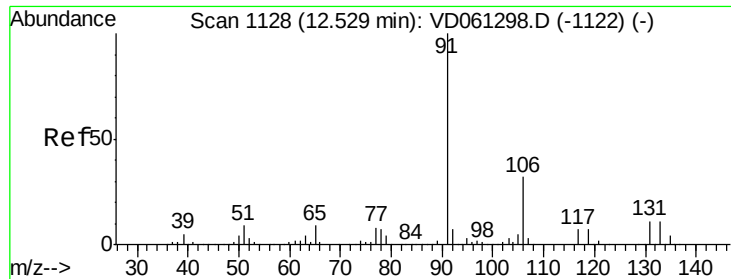
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#66
1,1,1,2-Tetrachloroethane
Concen: 62.229 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion:131 Resp: 114048
Ion Ratio Lower Upper
131 100
133 90.8 47.0 141.2
119 65.0 34.8 104.5





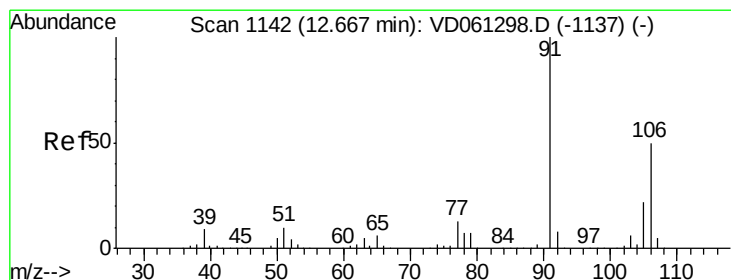
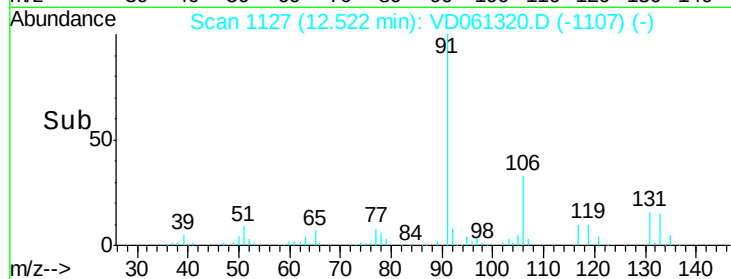
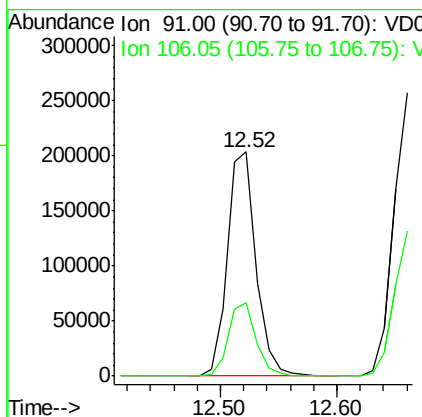
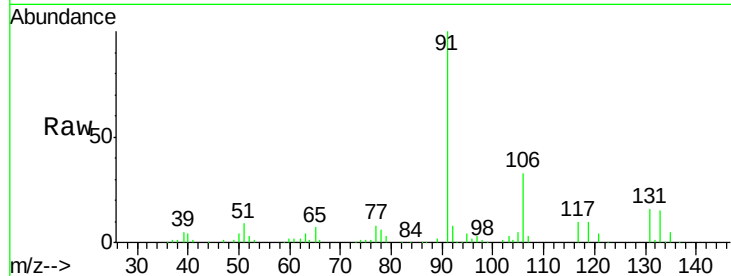
#67
Ethyl Benzene
Concen: 47.586 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion: 91 Resp: 344251
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.8

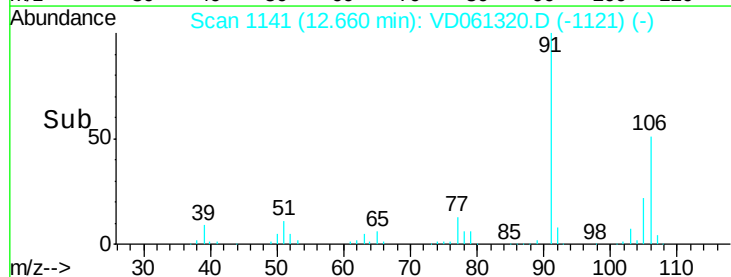
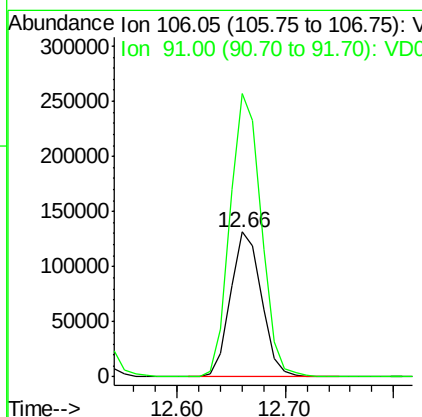
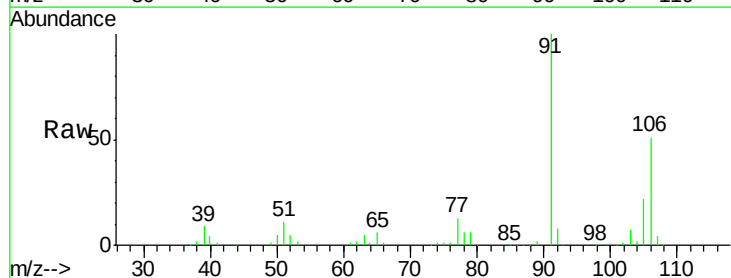
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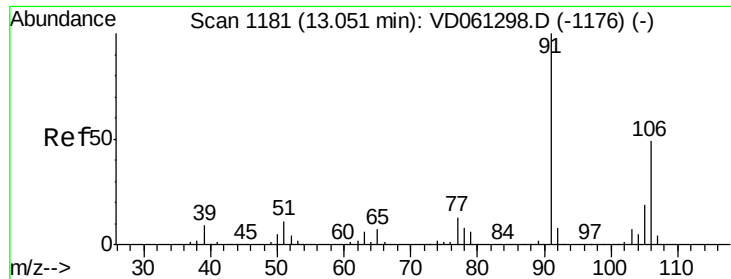
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#68
m/p-Xylenes
Concen: 92.386 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion: 106 Resp: 260893
Ion Ratio Lower Upper
106 100
91 195.4 159.2 238.8





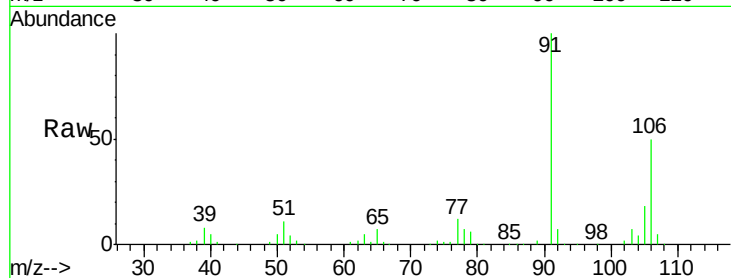
#69
o-Xylene
Concen: 51.116 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

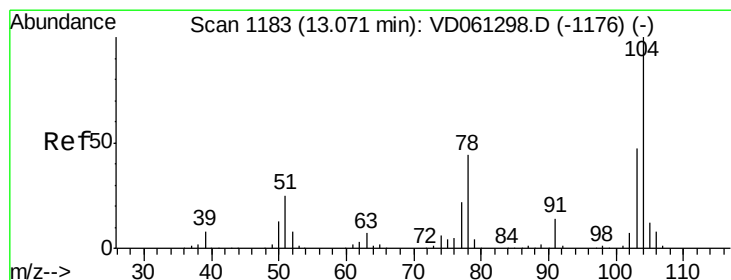
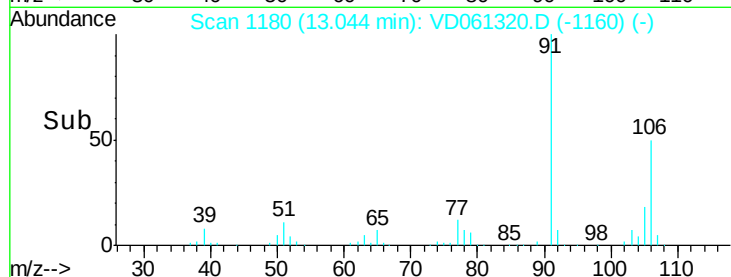
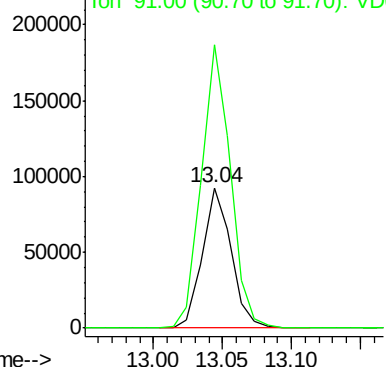
Tot Ion:106 Resp: 133878
Ion Ratio Lower Upper
106 100
91 201.5 102.5 307.5

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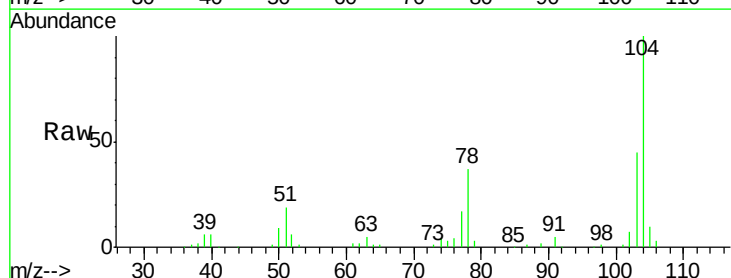


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

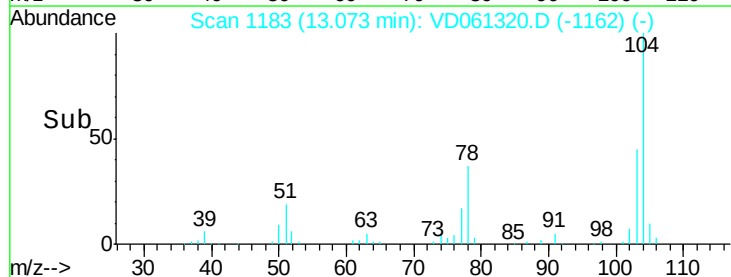
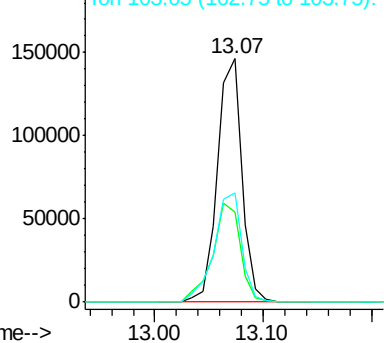


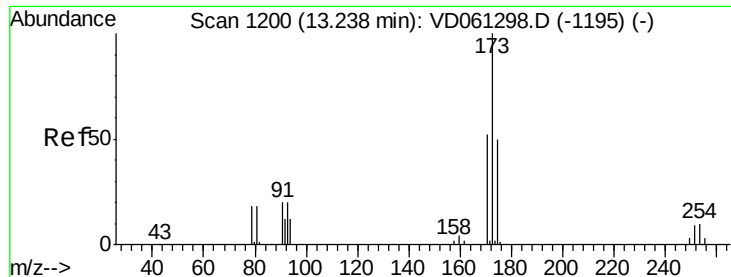
#70
Styrene
Concen: 51.925 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion:104 Resp: 230801
Ion Ratio Lower Upper
104 100
78 36.9 35.1 52.7
103 44.9 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 100.165 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

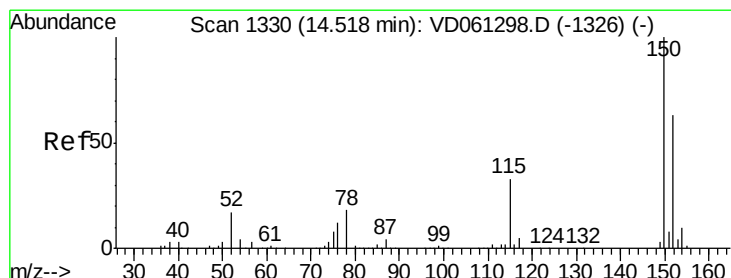
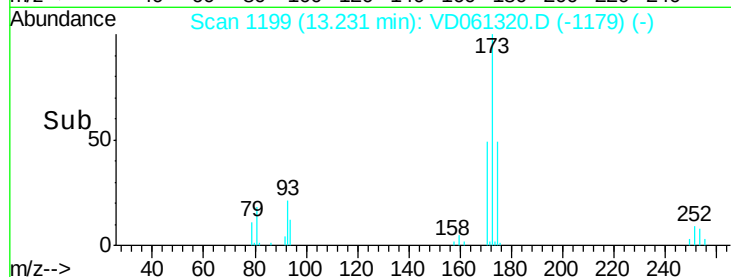
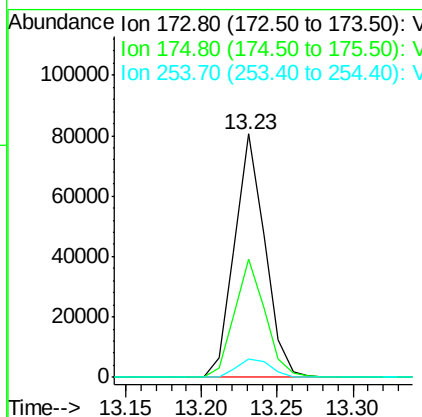
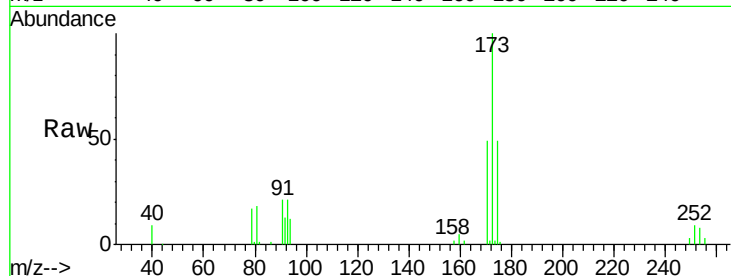
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.7
254	7.5	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

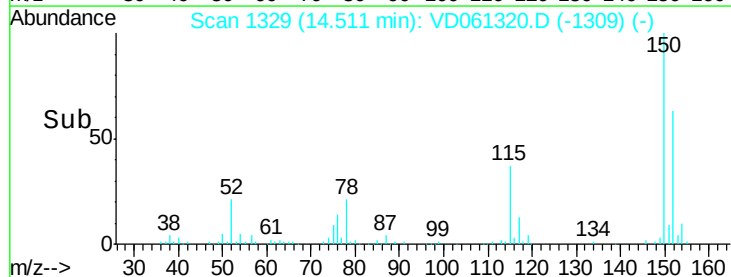
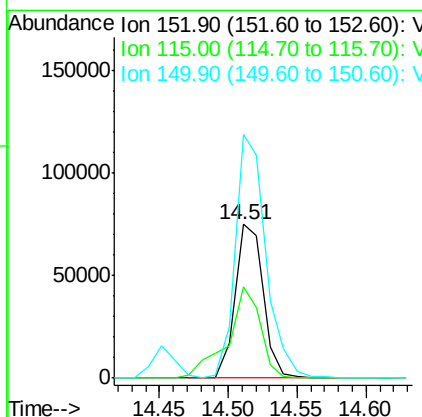
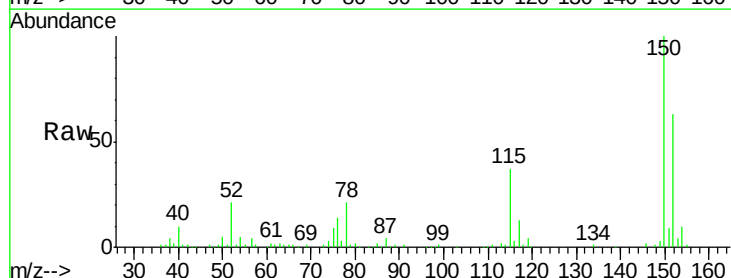
RT: 14.51 min Scan# 1329

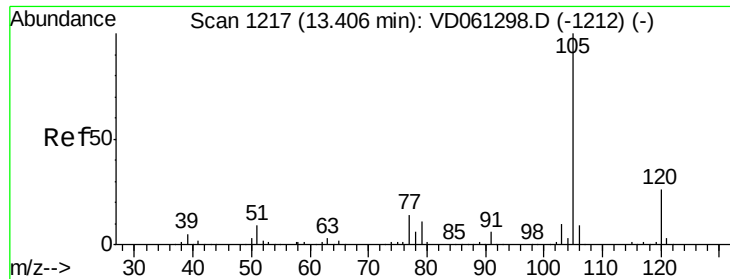
Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.2	87.6
150	158.3	0.0	319.6





#73

Isopropylbenzene

Concen: 44.397 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 105 Resp: 307812

Ion Ratio Lower Upper

105 100

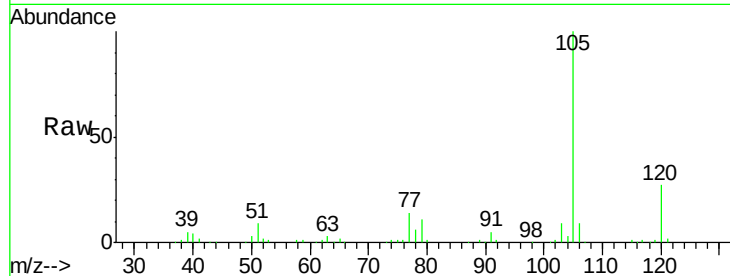
120 27.0 13.1 39.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

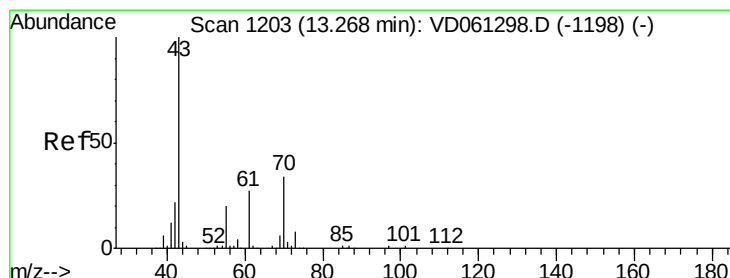
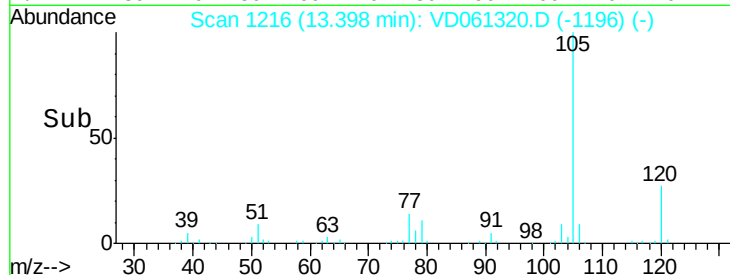
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 78.030 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion: 43 Resp: 141539

Ion Ratio Lower Upper

43 100

70 32.9 27.5 41.3

55 20.1 15.7 23.5

61 26.2 21.8 32.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

150000

100000

50000

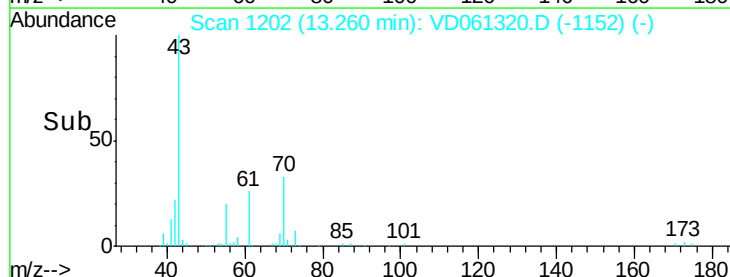
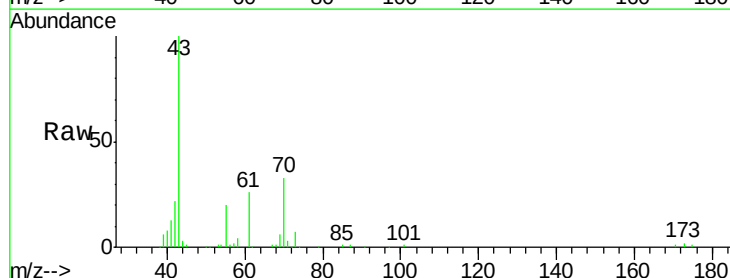
0

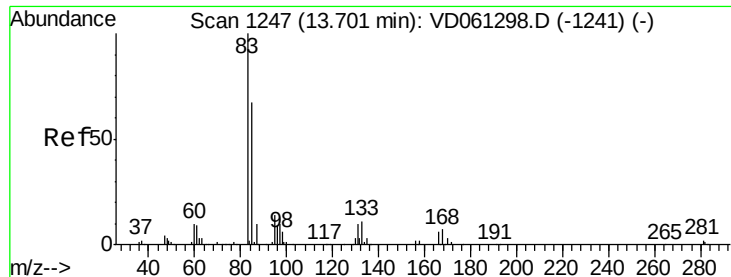
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 121.496 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

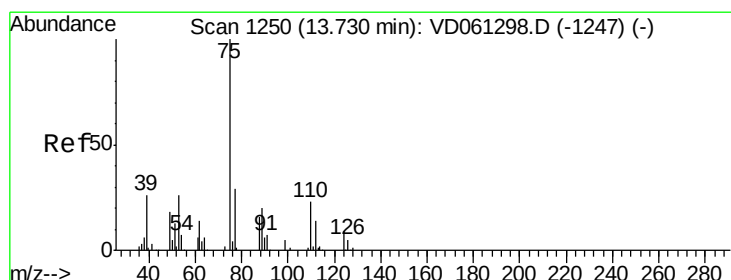
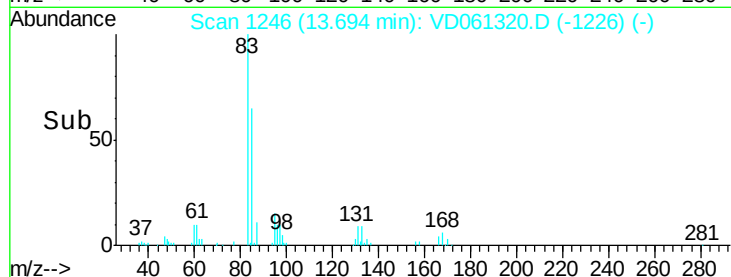
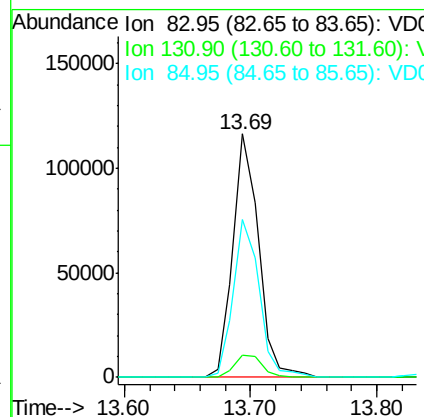
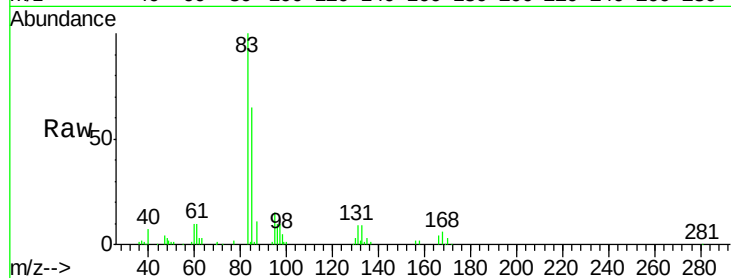
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	83	Resp:	163351
Ion Ratio		Lower	Upper
83	100		
131	9.0	5.0	15.0
85	64.6	33.4	100.2

Manual Integrations
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3/26/2019 11:59:46 AM



#76

1,2,3-Trichloropropane

Concen: 131.113 ug/l

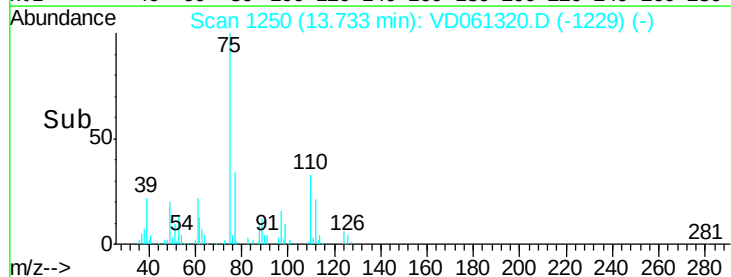
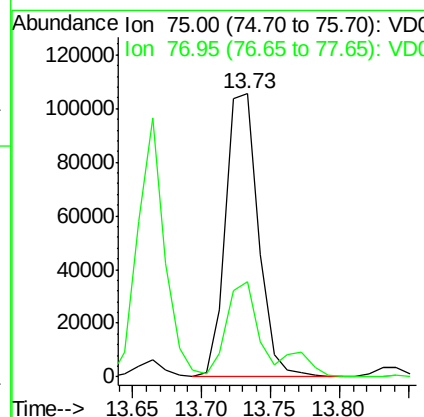
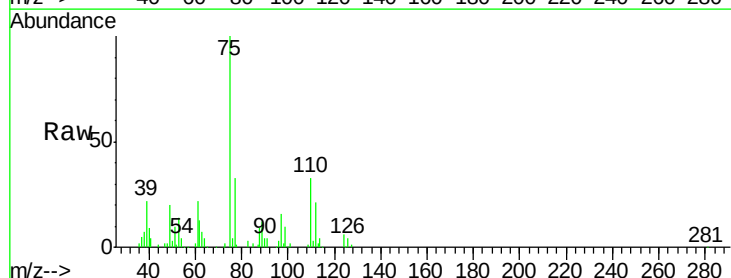
RT: 13.73 min Scan# 1250

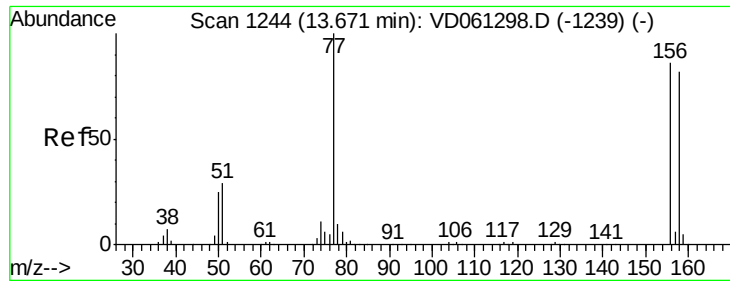
Delta R.T. 0.00 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	75	Resp:	173808
Ion Ratio		Lower	Upper
75	100		
77	33.4	15.8	47.4





#77

Bromobenzene

Concen: 55.636 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

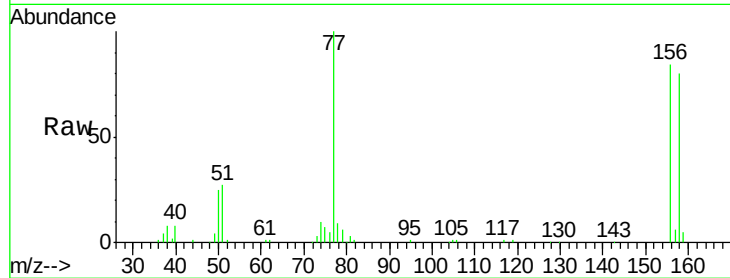
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	156	Resp:	107746
Ion Ratio	Lower	Upper	
156	100		
77	119.2	58.4	175.1
158	95.2	48.1	144.3

Manual Integrations
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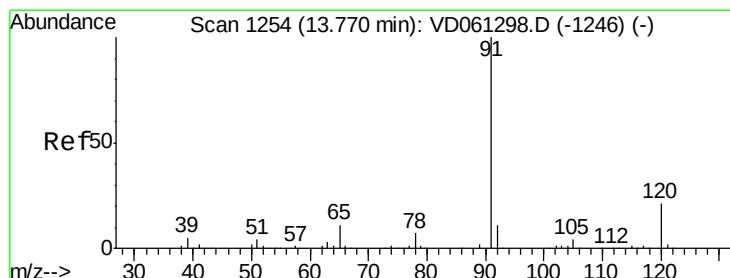
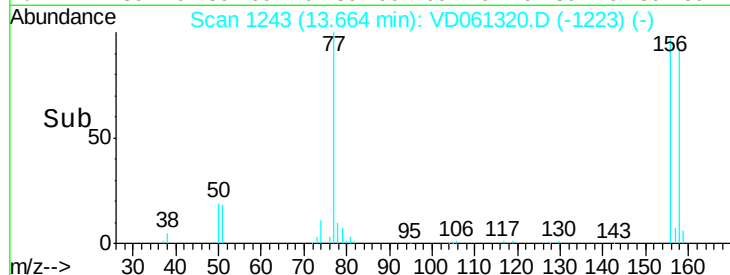
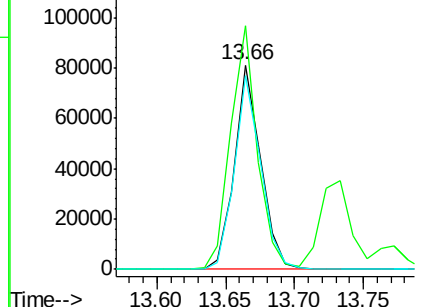
MMDadoda
3/26/2019 11:59:46 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.572 ug/l

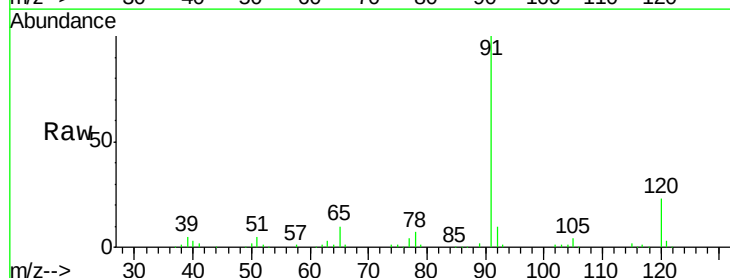
RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061320.D

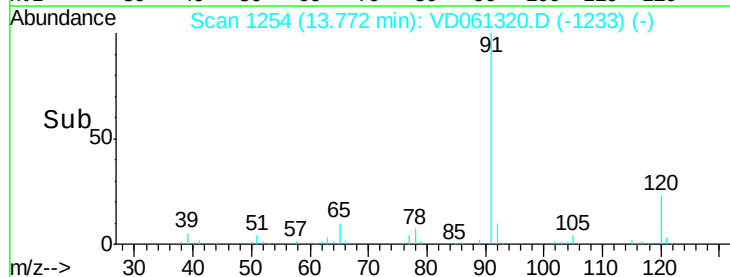
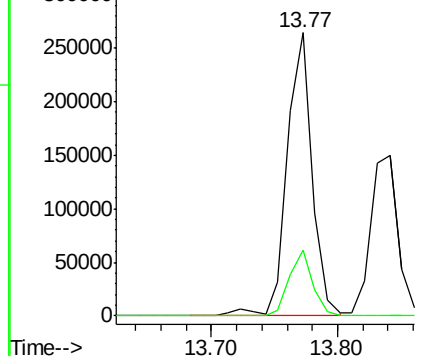
Acq: 26 Mar 2019 1:59

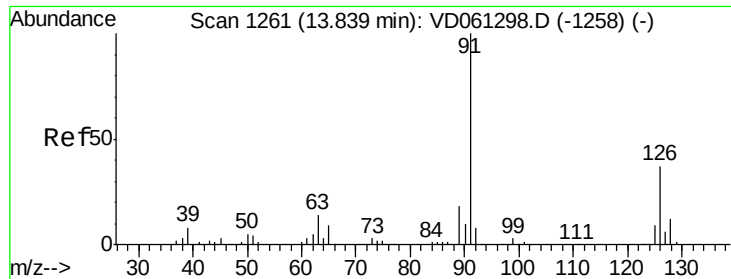
Tgt Ion:	91	Resp:	364288
Ion Ratio	Lower	Upper	
91	100		
120	23.4	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.296 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion: 91 Resp: 224508

Ion Ratio Lower Upper

91 100

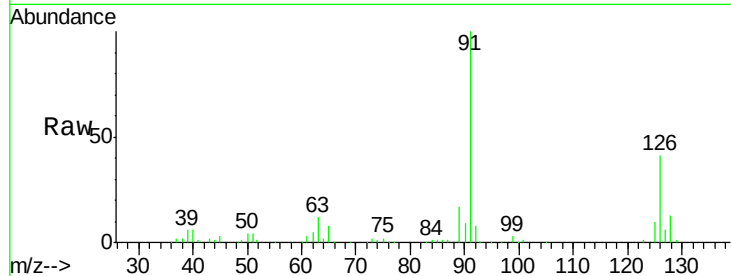
126 40.7 18.4 55.4

Manual Integrations

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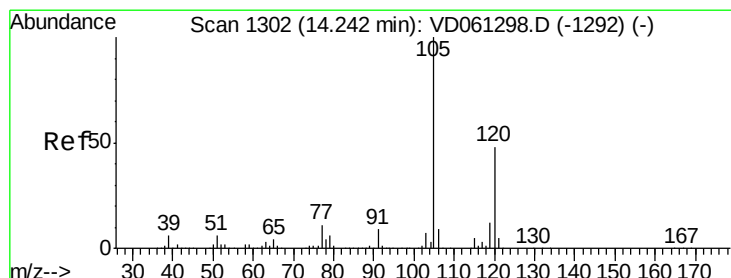
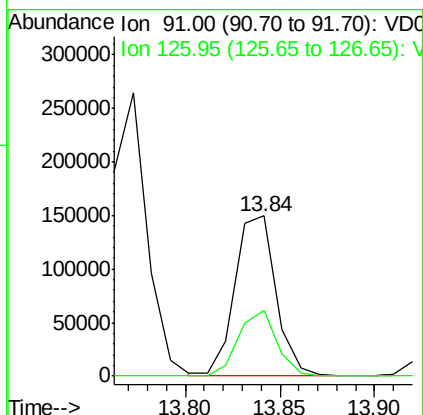
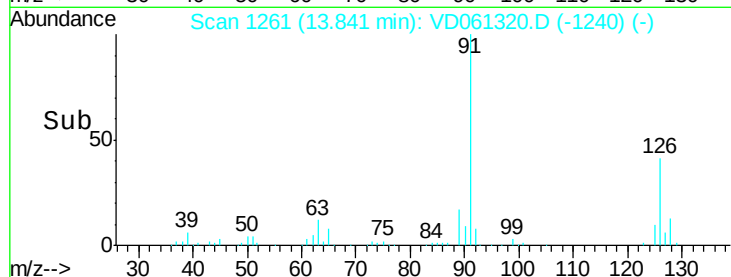
3/26/2019 11:59:46 AM



Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.939 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061320.D

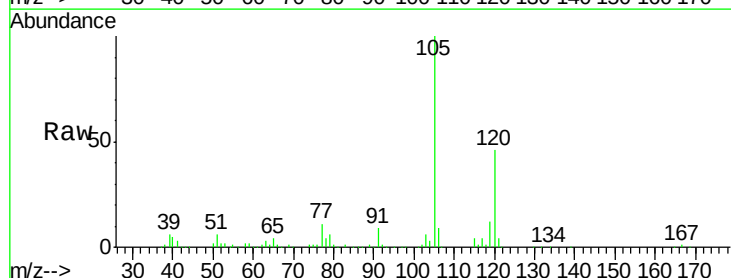
Acq: 26 Mar 2019 1:59

Tgt Ion: 105 Resp: 256730

Ion Ratio Lower Upper

105 100

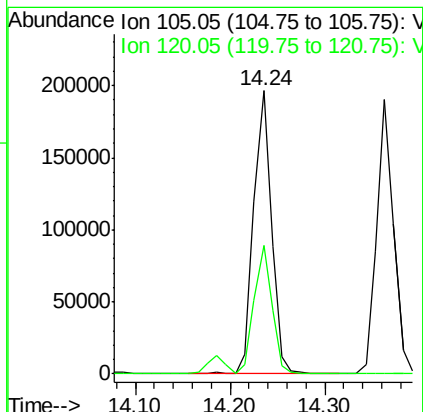
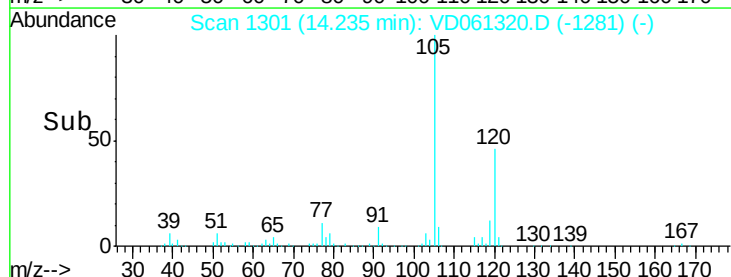
120 45.5 23.8 71.4

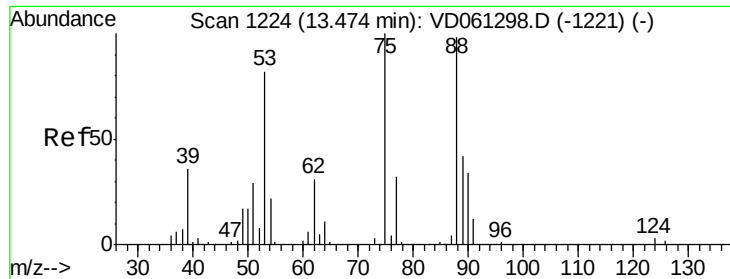


Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)

Time-->





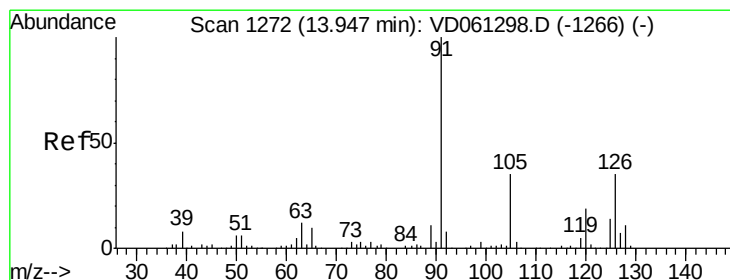
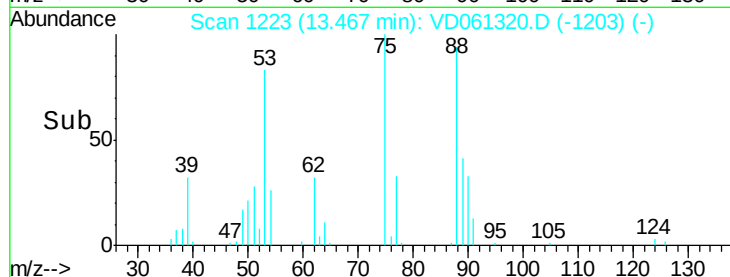
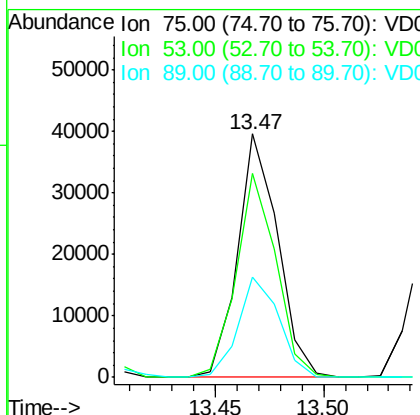
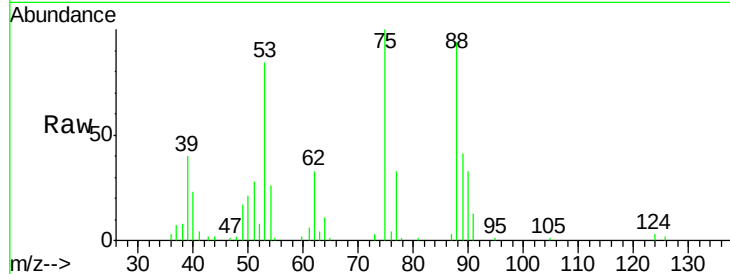
#81
trans-1,4-Dichloro-2-butene
Concen: 123.096 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.9	65.3	97.9
89	41.3	33.8	50.6

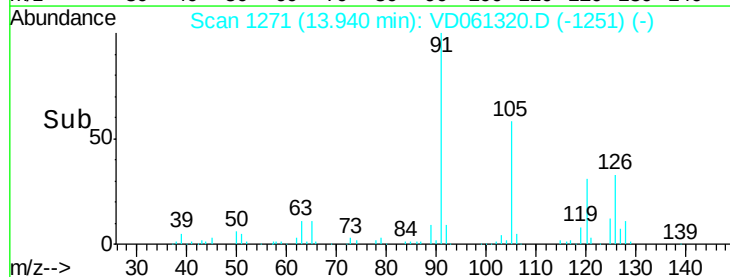
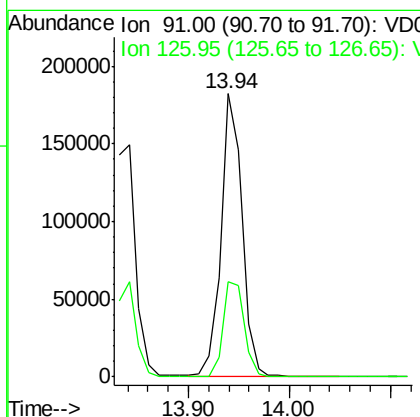
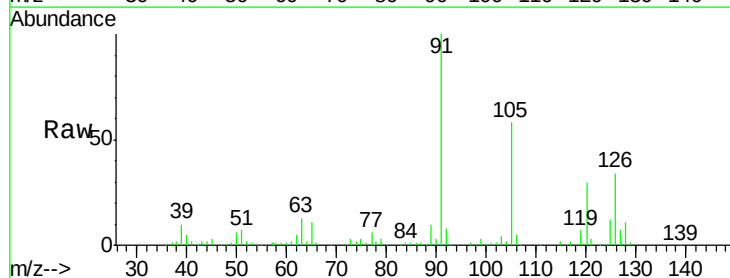
Manual Integrations
APPROVED

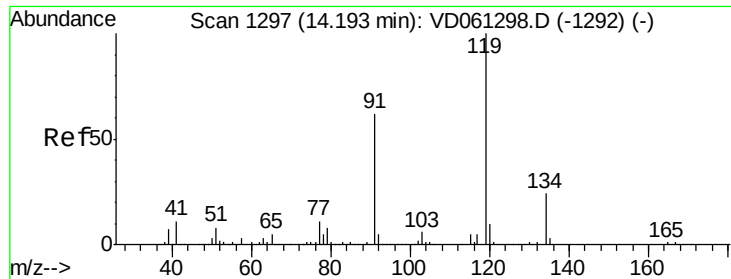
MMDadoda
3/26/2019 11:59:46 AM



#82
4-Chlorotoluene
Concen: 53.600 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.7	53.1





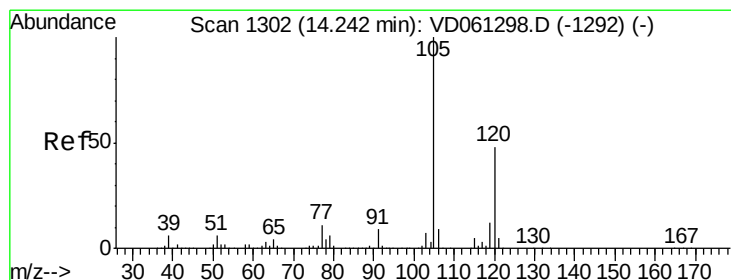
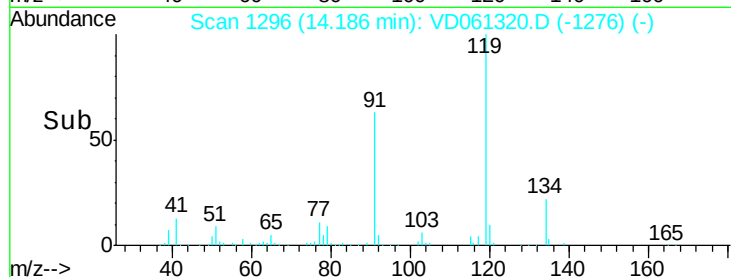
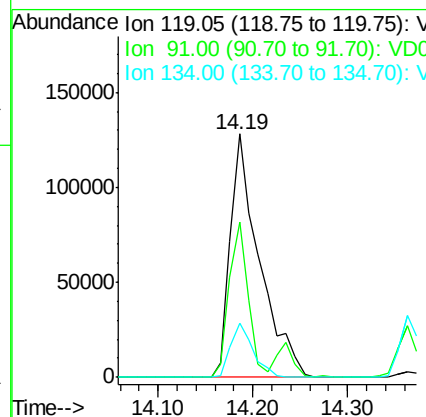
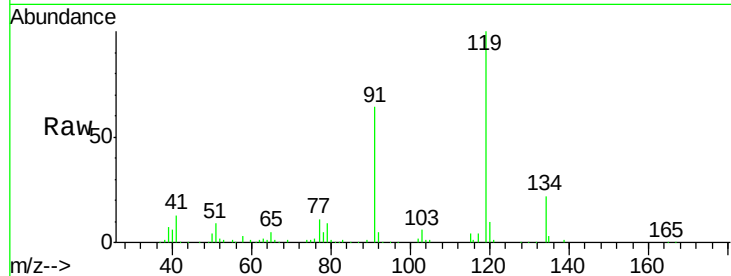
#83
tert-Butylbenzene
Concen: 43.657 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272631		
91	64.0	31.1	93.5	
134	22.3	11.9	35.7	

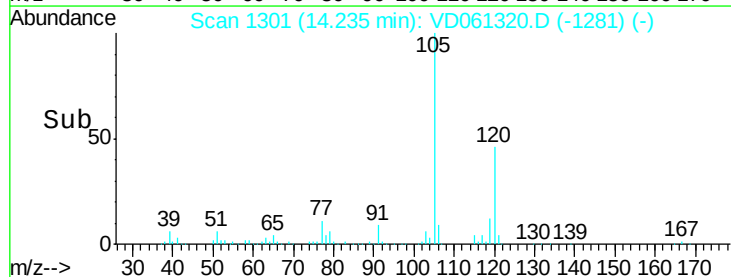
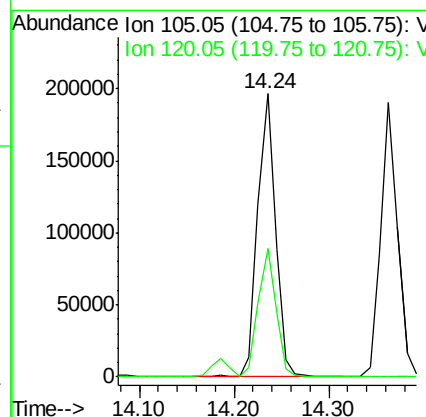
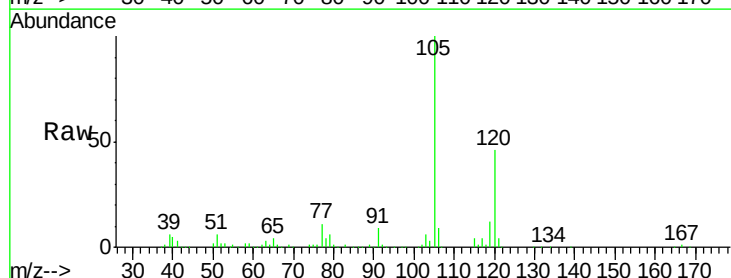
Manual Integrations
APPROVED

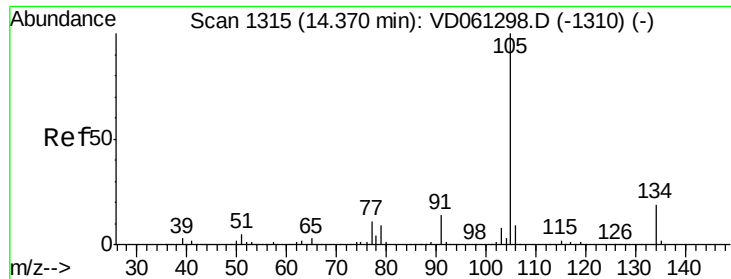
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.939 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	256730		
120	45.5	23.8	71.4	





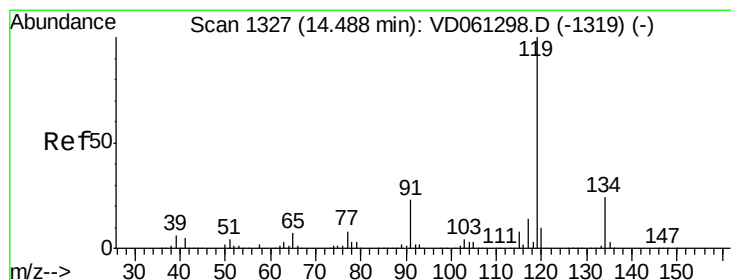
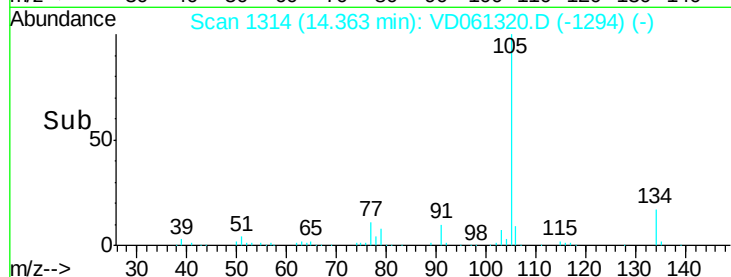
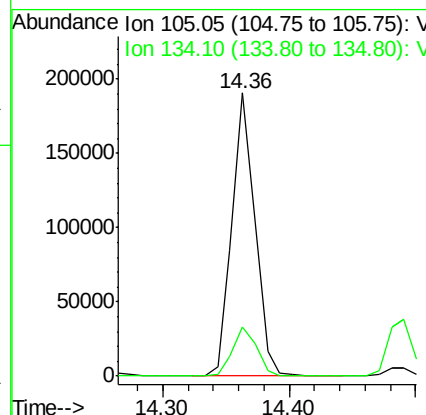
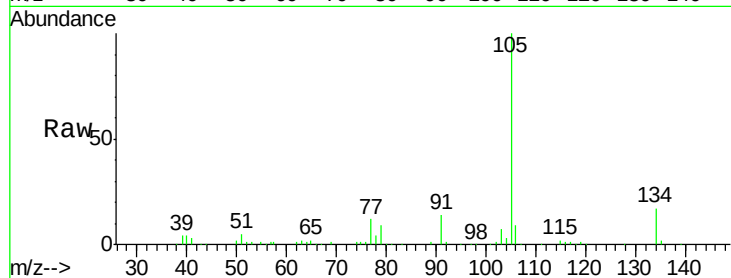
#85
 sec-Butylbenzene
 Concen: 34.600 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	240637		
134	17.2	9.5	28.5	

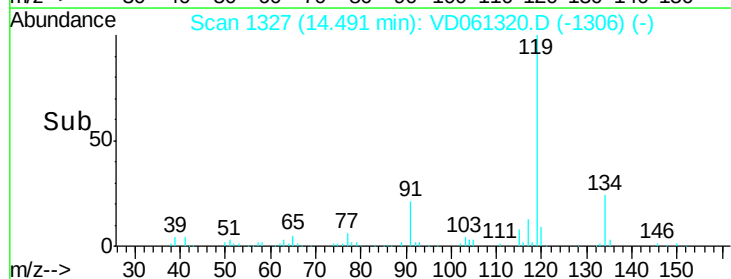
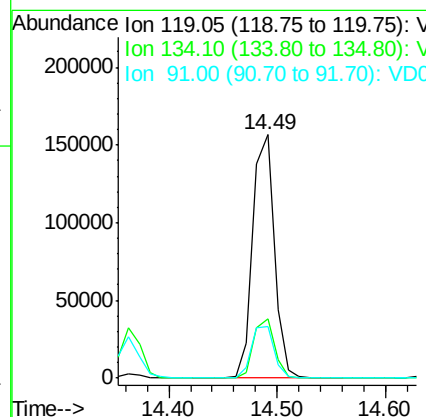
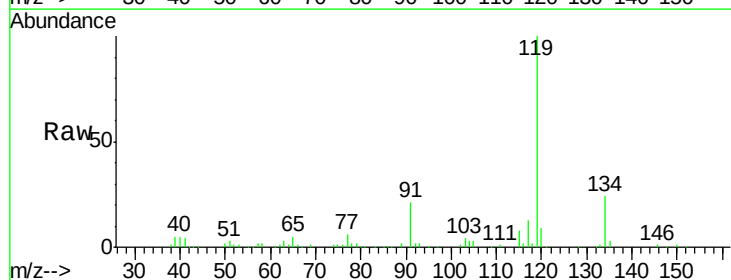
Manual Integrations
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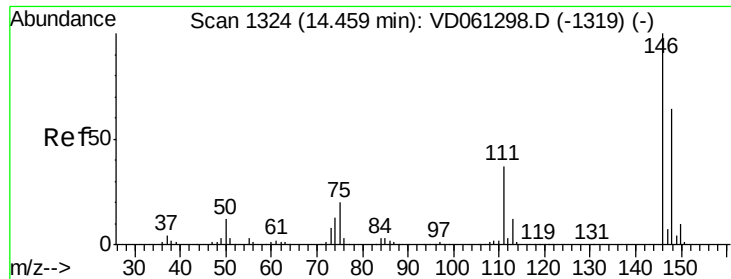
MMDadoda
 3/26/2019 11:59:46 AM



#86
 p-Isopropyltoluene
 Concen: 35.140 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	218036		
134	24.5	12.1	36.3	
91	21.2	11.4	34.2	





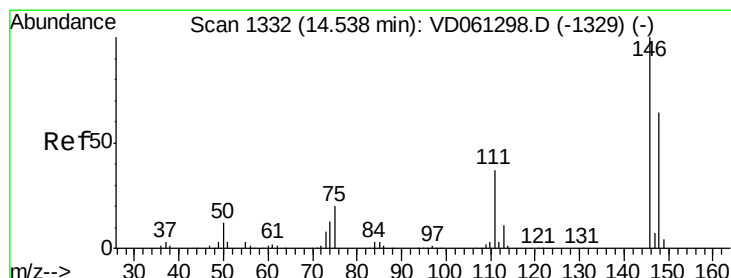
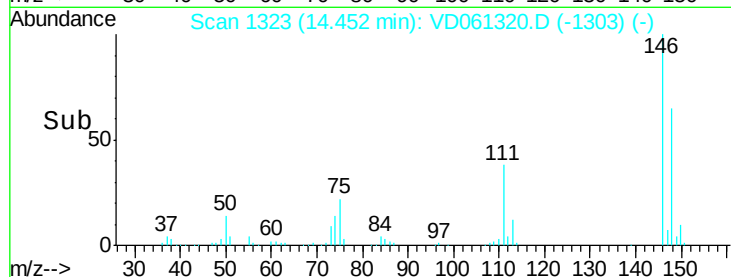
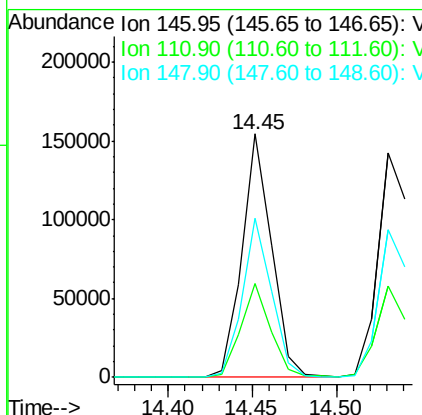
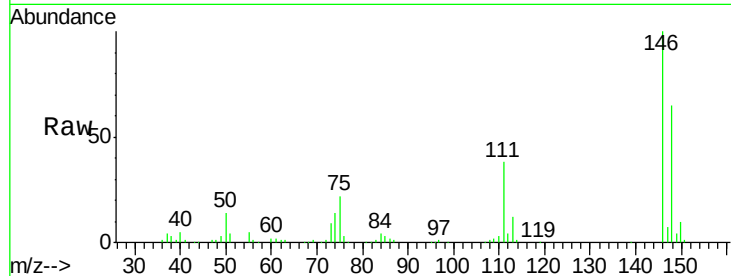
#87
 1,3-Dichlorobenzene
 Concen: 54.649 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.4	55.0
148	65.4	32.0	96.2

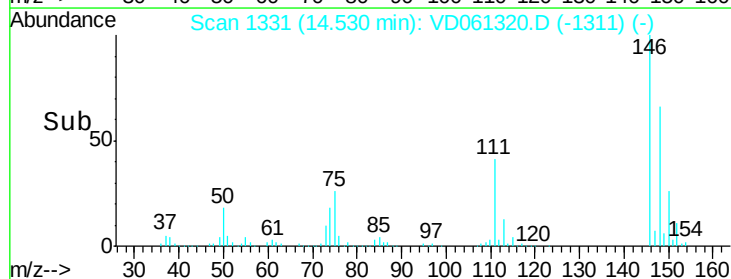
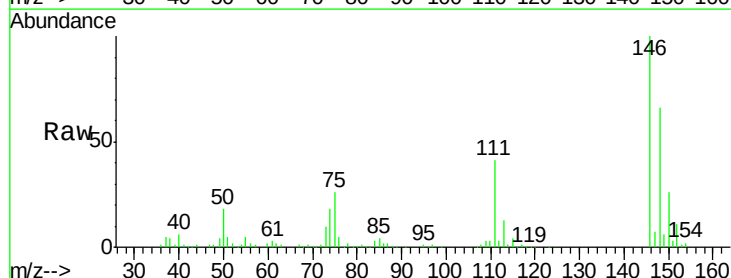
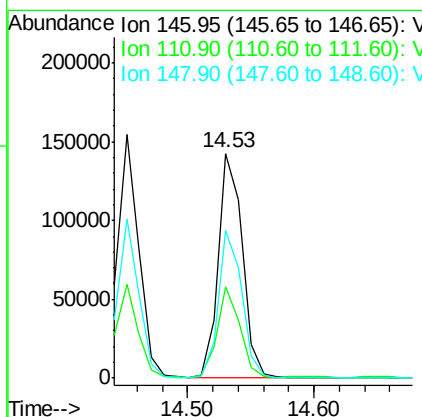
Manual Integrations
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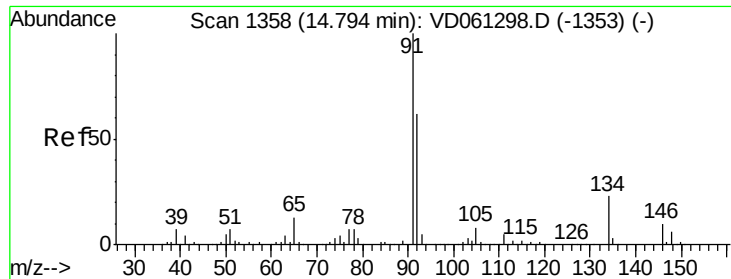
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 3/26/2019 11:59:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 57.030 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.6	55.6
148	65.5	31.9	95.5





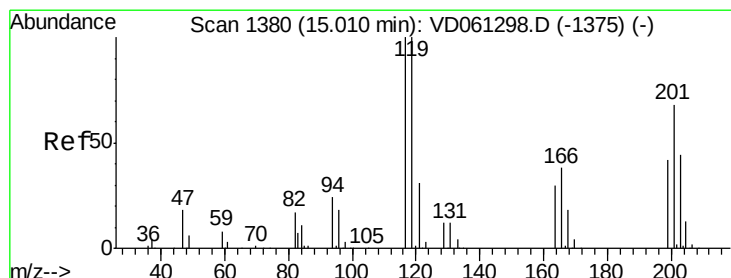
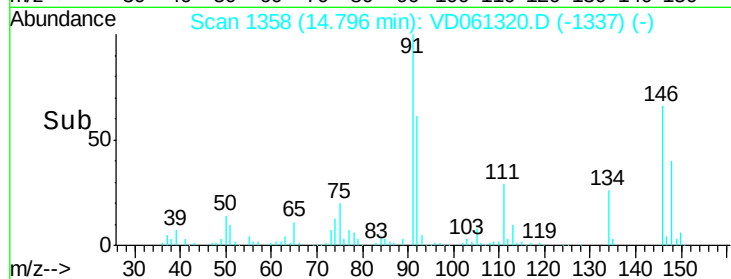
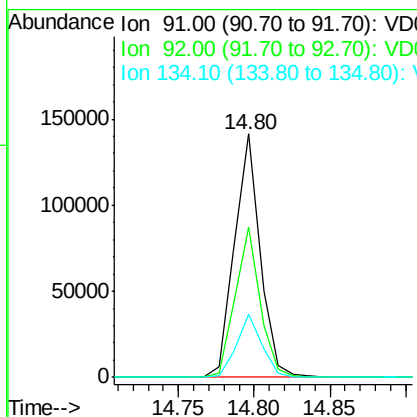
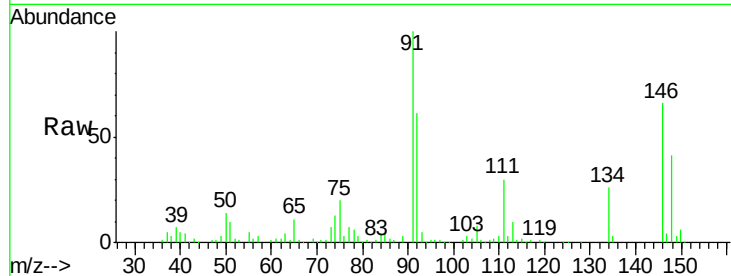
#89
n-Butylbenzene
Concen: 30.063 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165611		
92	61.5	30.9	92.7	
134	25.8	11.7	35.0	

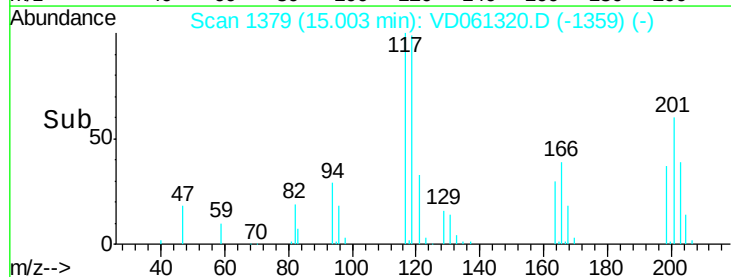
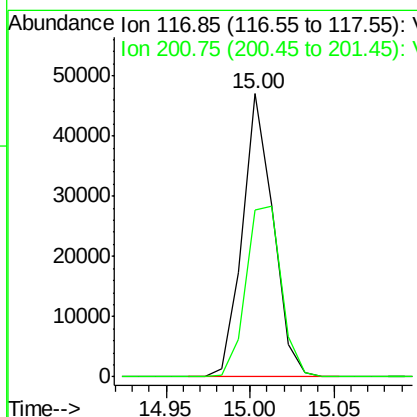
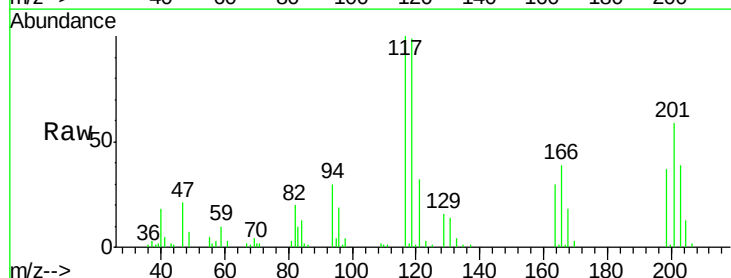
Manual Integrations
APPROVED

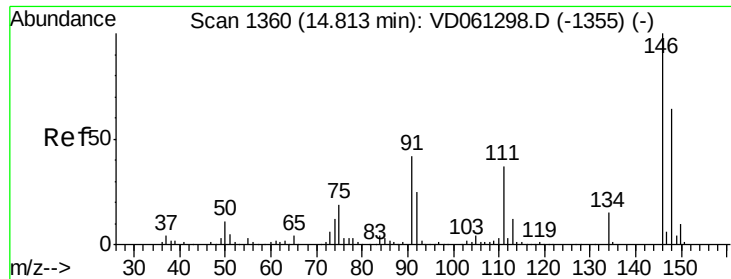
MMDadoda
3/26/2019 11:59:46 AM



#90
Hexachloroethane
Concen: 35.639 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061320.D
Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59289		
201	59.0	34.0	101.8	





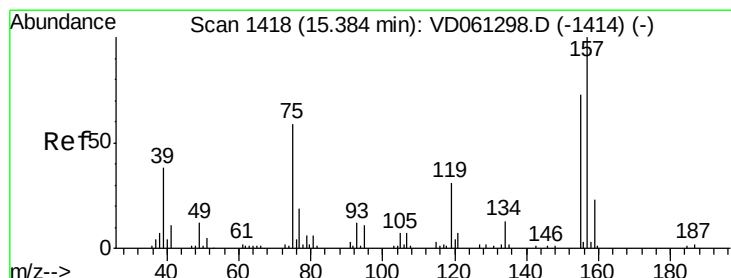
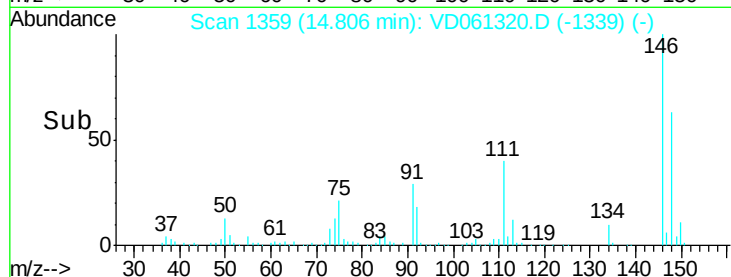
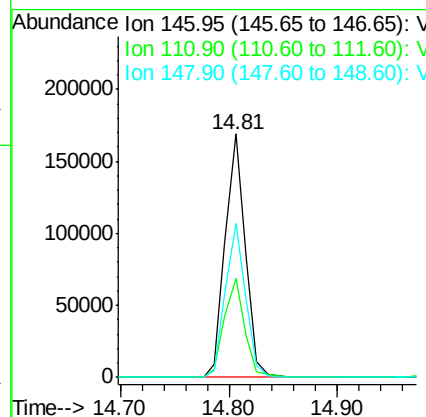
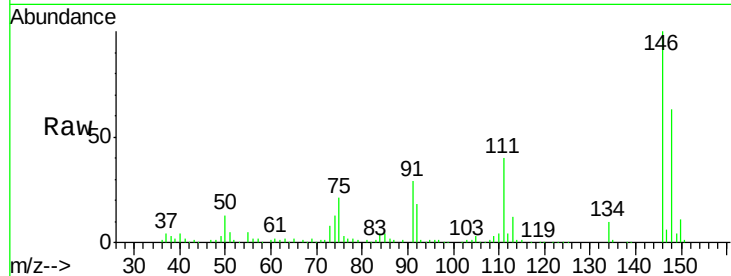
#91
 1,2-Dichlorobenzene
 Concen: 79.875 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.3	54.8
148	63.1	31.9	95.7

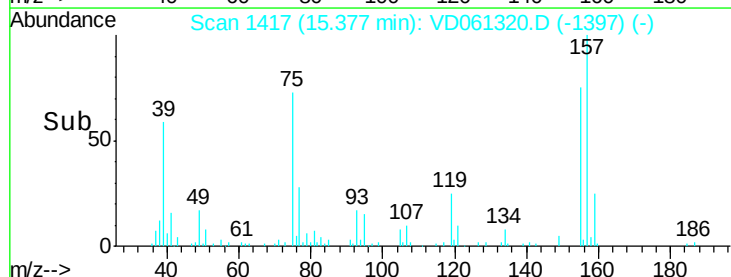
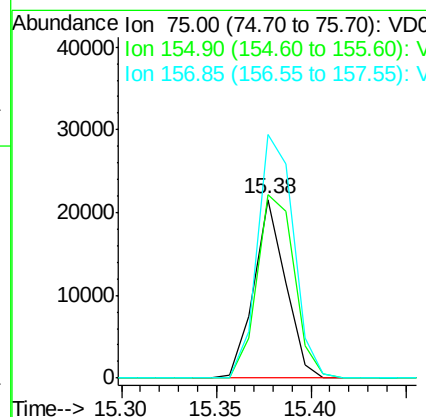
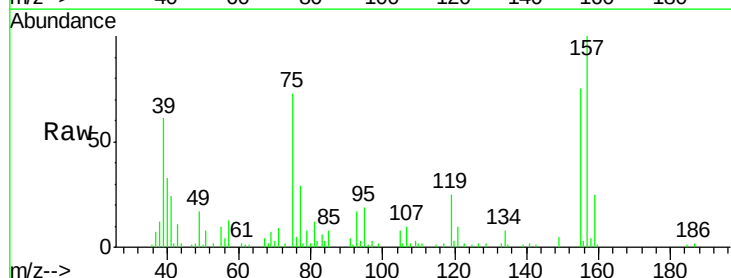
Manual Integrations
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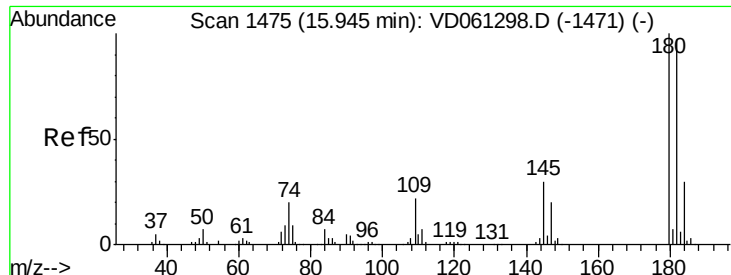
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 150.138 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	61.9	185.7
157	136.2	84.4	253.2





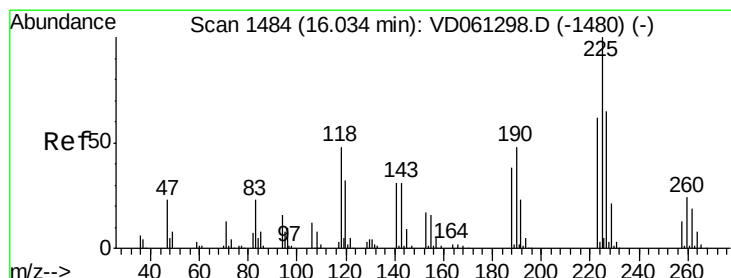
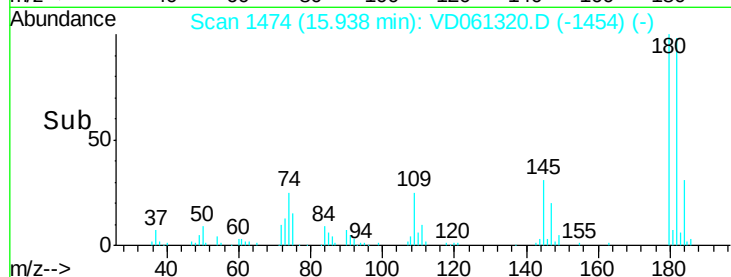
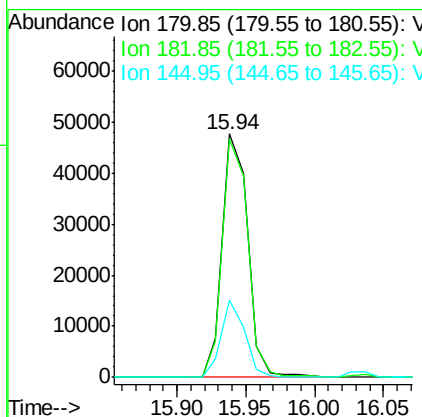
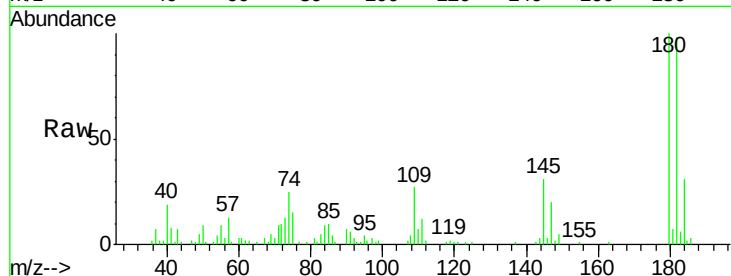
#93
 1,2,4-Trichlorobenzene
 Concen: 48.349 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(13-14)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61163		
182	97.8	48.3	144.9	
145	31.5	14.8	44.4	

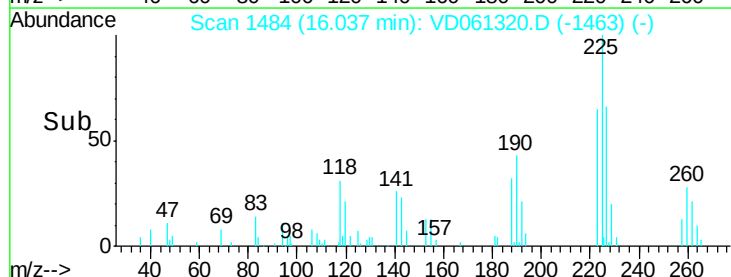
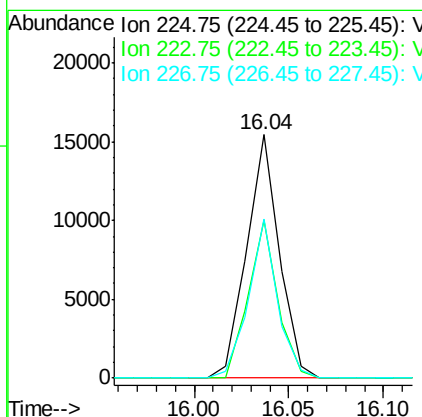
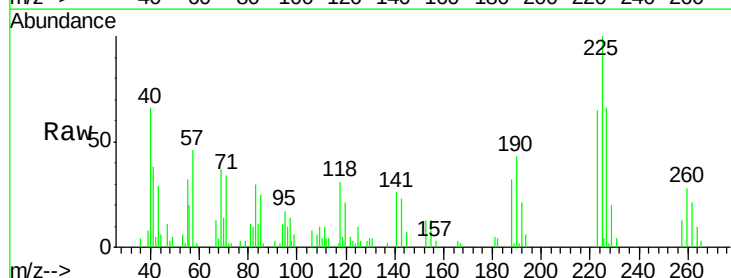
Manual Integrations
 APPROVED

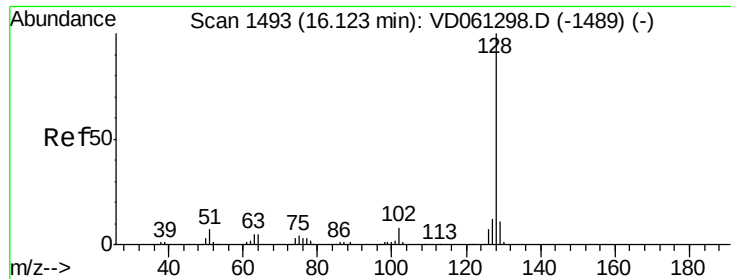
MMDadoda
 3/26/2019 11:59:46 AM



#94
 Hexachlorobutadiene
 Concen: 18.019 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061320.D
 Acq: 26 Mar 2019 1:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18367		
223	64.6	30.9	92.8	
227	65.5	32.6	97.7	





#95

Naphthalene

Concen: 108.535 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Instrument :

MSVOA_D

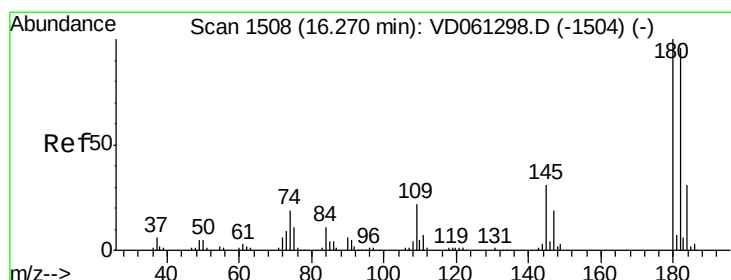
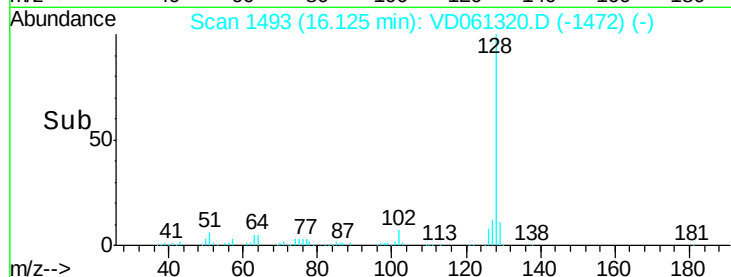
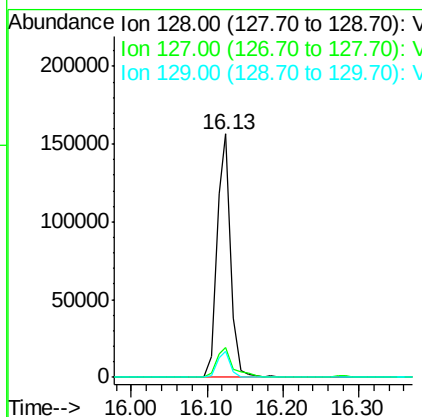
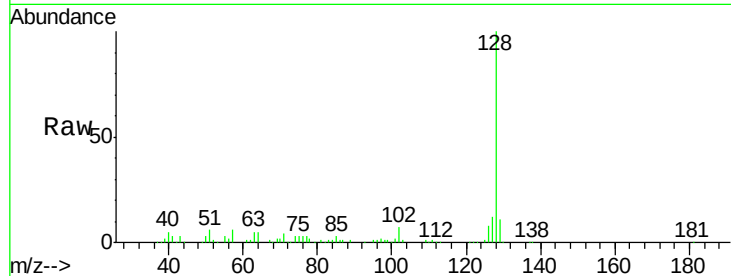
ClientSampleId :

WP022SB439-190318-(13-14)MS

Tot Ion:	128	Resp:	200336
Ion Ratio		Lower	Upper
128	100		
127	12.2	9.8	14.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/26/2019 11:59:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.258 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD061320.D

Acq: 26 Mar 2019 1:59

Tgt Ion:	180	Resp:	32058
Ion Ratio		Lower	Upper
180	100		
182	101.5	48.0	144.2
145	28.3	15.4	46.4

