

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064243.D
 Acq On : 16 Nov 2019 00:34
 Operator : VA/SY
 Sample : VD1115SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:35 PM

Quant Time: Nov 18 01:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	585849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	858363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	755357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246923	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.92	113	255213	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	906665	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.64	95	309987	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89452	18.410	ug/l	95
3) Chloromethane	2.21	50	107216	20.572	ug/l	97
4) Vinyl Chloride	2.35	62	124583	22.354	ug/l	99
5) Bromomethane	2.76	94	90629	25.752	ug/l	97
6) Chloroethane	2.92	64	86626	24.325	ug/l	96
7) Trichlorofluoromethane	3.27	101	223449	24.729	ug/l	95
8) Diethyl Ether	3.71	74	53622	21.582	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	102100	19.769	ug/l	99
10) Methyl Iodide	4.29	142	106690	19.393	ug/l	96
11) Tert butyl alcohol	5.25	59	37393	111.112	ug/l	98
12) 1,1-Dichloroethene	4.06	96	96151	19.532	ug/l	94
13) Acrolein	3.93	56	21340	74.956	ug/l	93
14) Allyl chloride	4.70	41	164858	18.941	ug/l	98
15) Acrylonitrile	5.43	53	118512	111.890	ug/l	99
16) Acetone	4.17	43	89623	78.517	ug/l	99
17) Carbon Disulfide	4.40	76	286459	18.686	ug/l	98
18) Methyl Acetate	4.73	43	68397	21.454	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	249323	21.215	ug/l	97
20) Methylene Chloride	4.96	84	119167	20.668	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	109506	19.634	ug/l	97
22) Diisopropyl ether	6.37	45	322690	19.982	ug/l	96
23) Vinyl Acetate	6.31	43	936048	103.981	ug/l	99
24) 1,1-Dichloroethane	6.26	63	190550	20.321	ug/l	99
25) 2-Butanone	7.23	43	150754	102.228	ug/l	98
26) 2,2-Dichloropropane	7.21	77	159714	17.368	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	127258	21.277	ug/l	91
28) Bromochloromethane	7.55	49	52878	16.198	ug/l	96
29) Tetrahydrofuran	7.57	42	97261	109.772	ug/l	98
30) Chloroform	7.71	83	209897	21.884	ug/l	97
31) Cyclohexane	7.98	56	171720	18.159	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	180544	19.658	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152827	19.292	ug/l	98
37) Ethyl Acetate	7.30	43	69905	20.931	ug/l	97
38) Carbon Tetrachloride	8.10	117	163681	19.310	ug/l	97

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MMDADODA
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 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183978	18.354	ug/l	97
40) Benzene	8.35	78	423726	19.571	ug/l	99
41) Methacrylonitrile	7.53	41	39031	18.594	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	131474	20.219	ug/l	99
43) Isopropyl Acetate	8.46	43	138466	20.123	ug/l	98
44) Trichloroethene	9.11	130	129106	19.868	ug/l	98
45) 1,2-Dichloropropane	9.39	63	104012	19.737	ug/l	97
46) Dibromomethane	9.48	93	60314	21.379	ug/l	99
47) Bromodichloromethane	9.67	83	154306	20.305	ug/l	99
48) Methyl methacrylate	9.46	41	64267	19.100	ug/l	88
49) 1,4-Dioxane	9.47	88	15955	470.892	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	343785	104.183	ug/l	100
52) Toluene	10.41	92	284880	20.010	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	145967	19.173	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	172398	19.405	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	82943	21.672	ug/l	98
56) Ethyl methacrylate	10.67	69	110348	20.612	ug/l	96
57) 1,3-Dichloropropane	10.95	76	139619	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	210737	97.174	ug/l	99
59) 2-Hexanone	10.99	43	232585	99.072	ug/l	100
60) Dibromochloromethane	11.14	129	111545	20.887	ug/l	100
61) 1,2-Dibromoethane	11.25	107	80016	20.874	ug/l	98
64) Tetrachloroethene	10.88	164	111650	19.219	ug/l	98
65) Chlorobenzene	11.67	112	302213	19.675	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	116950	20.024	ug/l	99
67) Ethyl Benzene	11.75	91	535528	19.275	ug/l	98
68) m/p-Xylenes	11.86	106	411743	38.663	ug/l	99
69) o-Xylene	12.18	106	194227	19.665	ug/l	96
70) Styrene	12.20	104	332525	19.287	ug/l	99
71) Bromoform	12.37	173	69683	20.964	ug/l #	98
73) Isopropylbenzene	12.48	105	515194	19.414	ug/l	98
74) N-amyl acetate	12.30	43	125250	19.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86741	21.693	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	55804m	19.163	ug/l	
77) Bromobenzene	12.77	156	135841	21.070	ug/l	96
78) n-propylbenzene	12.83	91	590940	19.491	ug/l	99
79) 2-Chlorotoluene	12.91	91	329087	19.225	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	423262	19.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25740	17.558	ug/l	89
82) 4-Chlorotoluene	13.01	91	345762	19.366	ug/l	100
83) tert-Butylbenzene	13.23	119	373983	19.450	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	416322	19.339	ug/l	98
85) sec-Butylbenzene	13.41	105	493050	19.092	ug/l	100
86) p-Isopropyltoluene	13.52	119	465224	18.949	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	237787	19.869	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	238905	20.454	ug/l	100
89) n-Butylbenzene	13.85	91	415523	18.733	ug/l	99
90) Hexachloroethane	14.12	117	86534	19.072	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	211778	20.907	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14571	20.381	ug/l	95

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MSVOA_D
ClientSampleId :
VD1115SBSD02

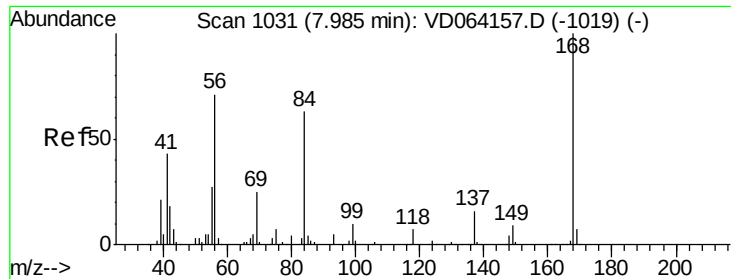
Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:22:35 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	153725	19.673	ug/l	99
94) Hexachlorobutadiene	15.28	225	96318	19.084	ug/l	98
95) Naphthalene	15.41	128	279586	21.827	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	137177	20.653	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBSD02

Tot Ion:168 Resp: 585849

Ion Ratio Lower Upper

168 100

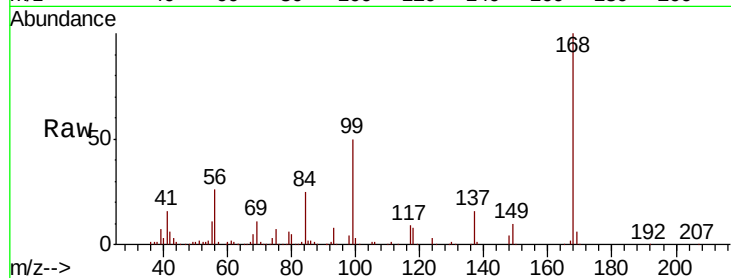
99 49.4 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

300000

250000

200000

150000

100000

50000

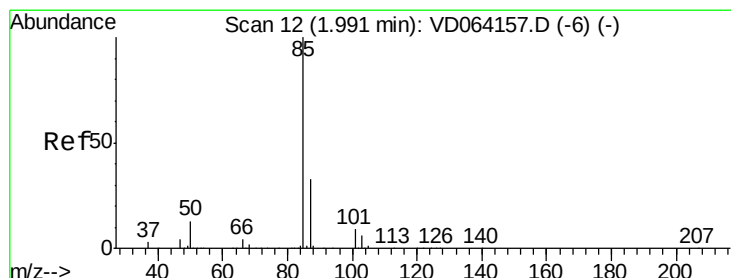
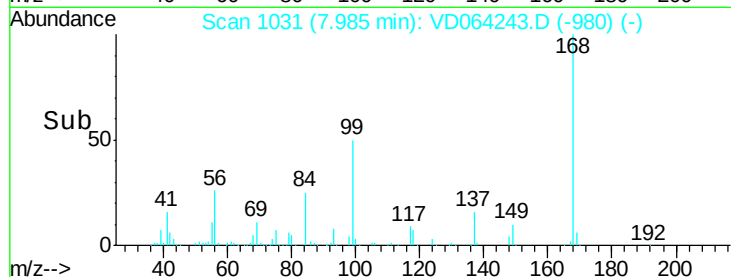
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.410 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064243.D

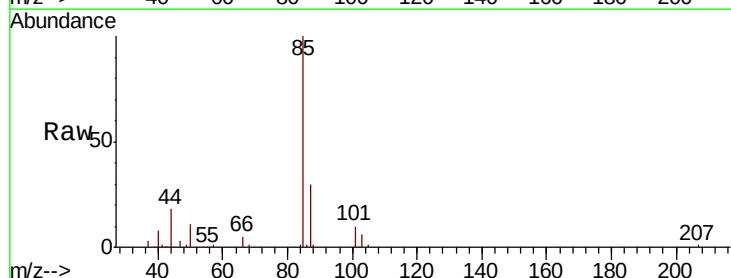
Acq: 16 Nov 2019 00:34

Tgt Ion: 85 Resp: 89452

Ion Ratio Lower Upper

85 100

87 30.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

40000

20000

0

1.90

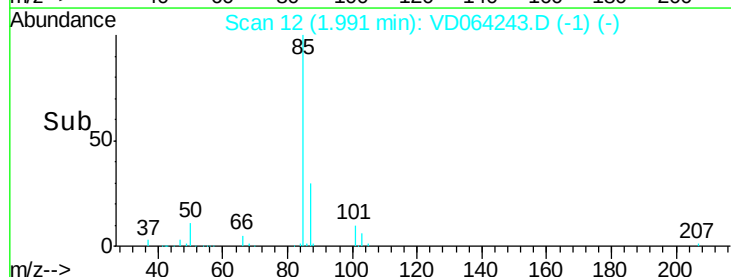
1.95

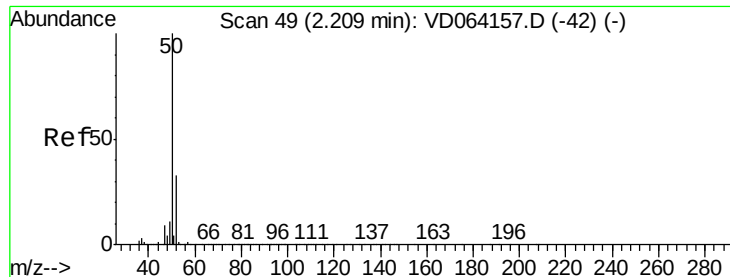
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 50 Resp: 107216

Ion Ratio Lower Upper

50 100

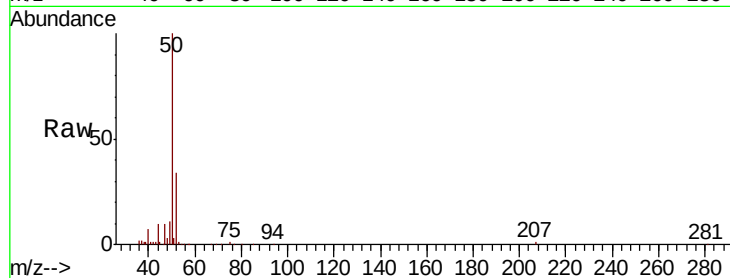
52 34.3 26.2 39.4

Manual Integrations

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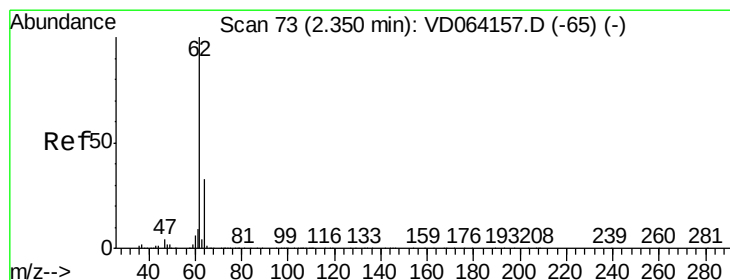
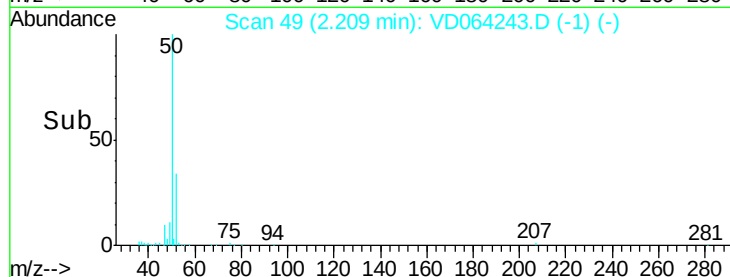
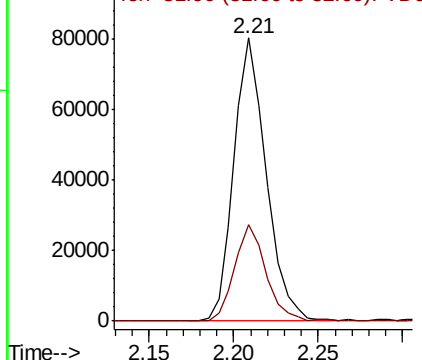
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.354 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064243.D

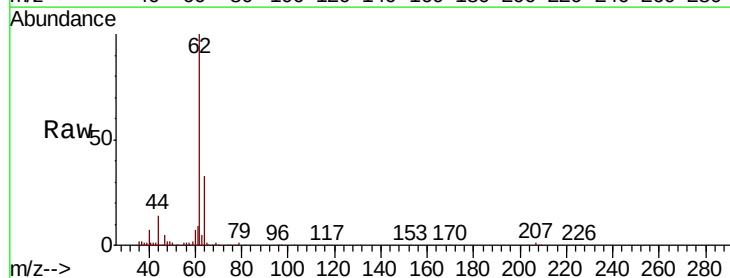
Acq: 16 Nov 2019 00:34

Tgt Ion: 62 Resp: 124583

Ion Ratio Lower Upper

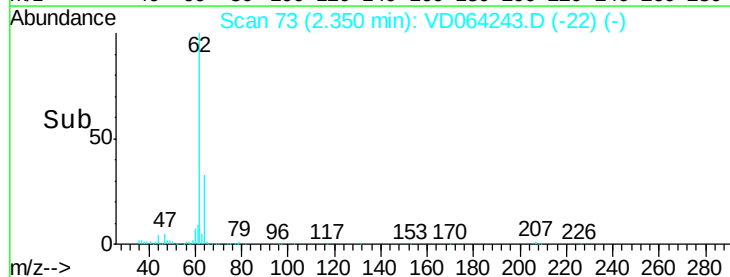
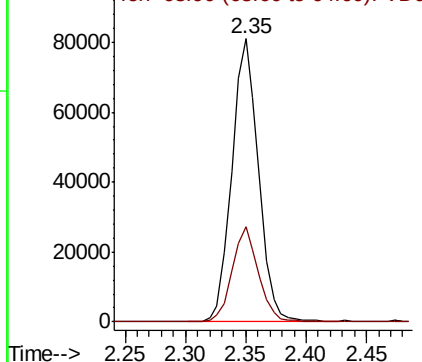
62 100

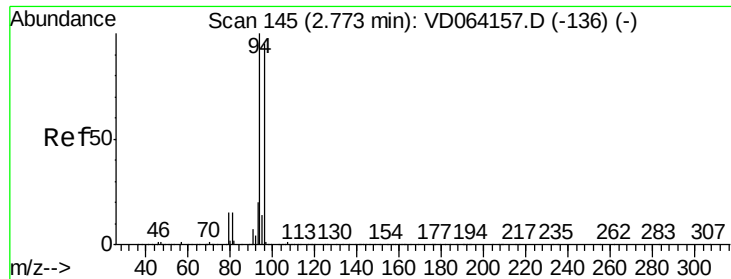
64 33.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.752 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

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ClientSampleId :

VD1115SBS02

Tot Ion: 94 Resp: 90629

Ion Ratio Lower Upper

94 100

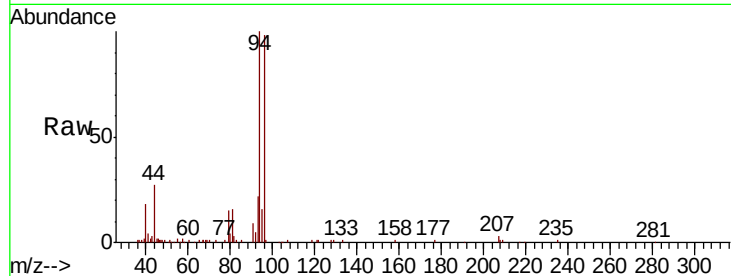
96 97.8 76.2 114.4

Manual Integrations

APPROVED

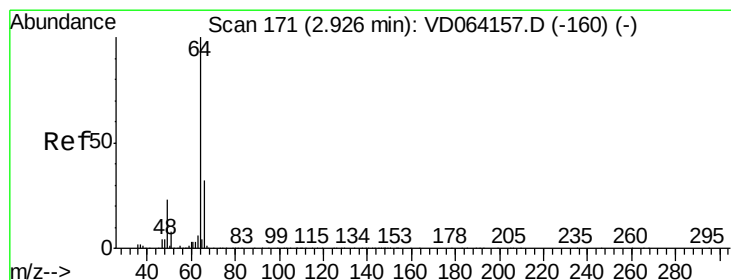
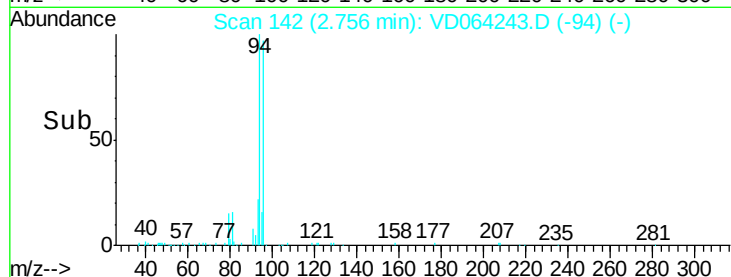
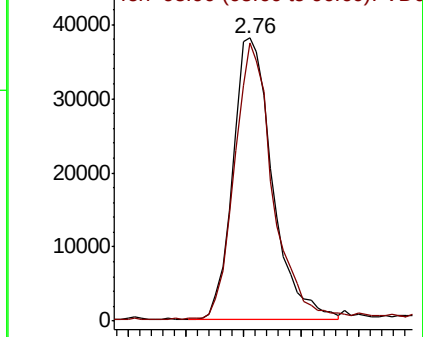
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.325 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064243.D

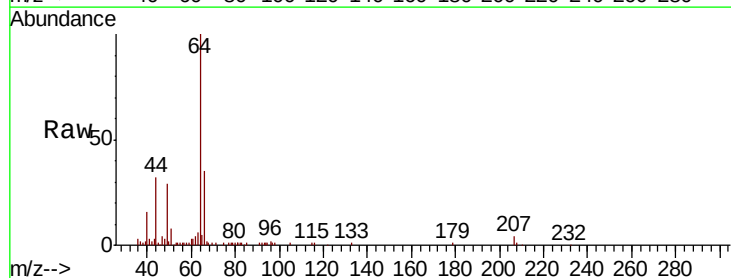
Acq: 16 Nov 2019 00:34

Tgt Ion: 64 Resp: 86626

Ion Ratio Lower Upper

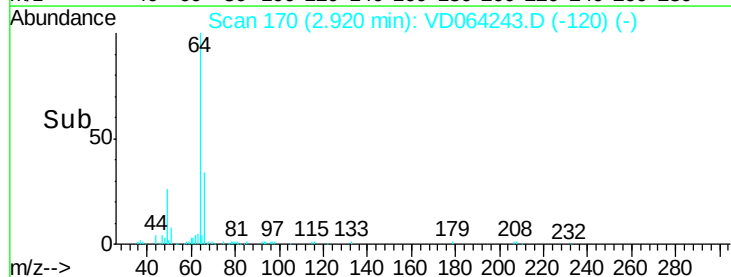
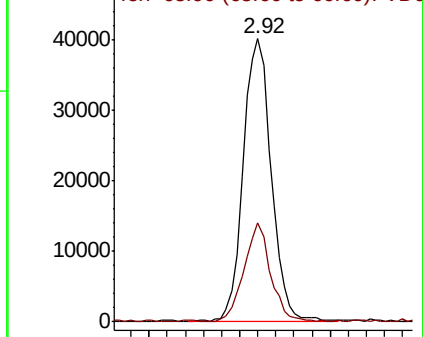
64 100

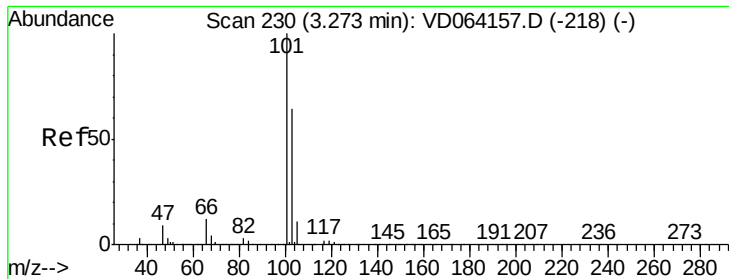
66 34.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

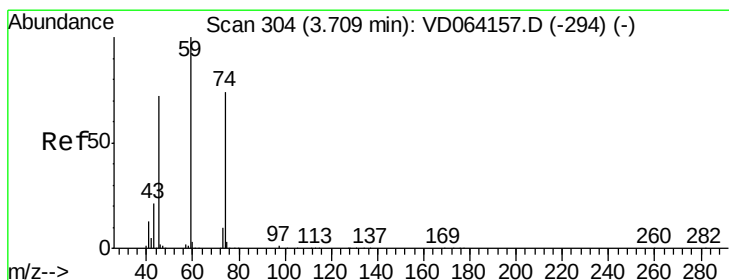
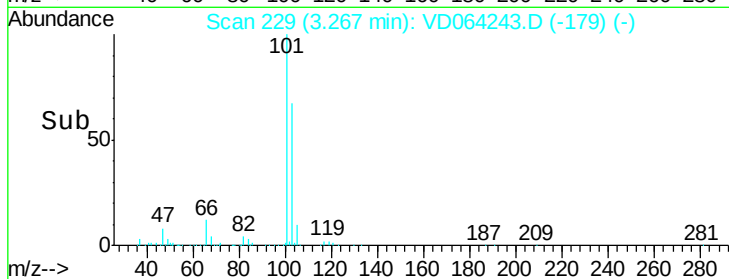
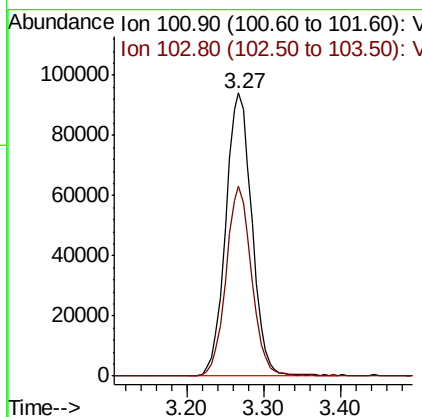
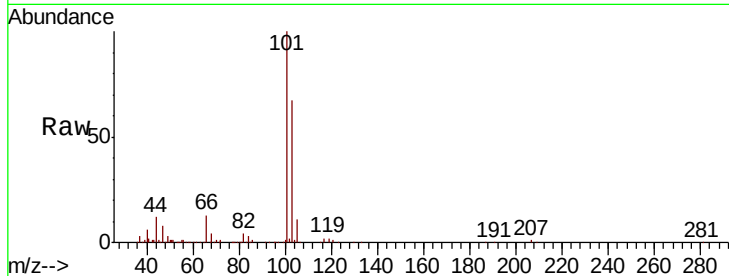
Trichlorofluoromethane
Concen: 24.729 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.8	76.2

Manual Integrations
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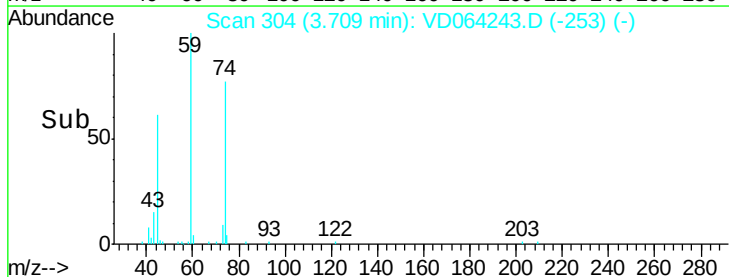
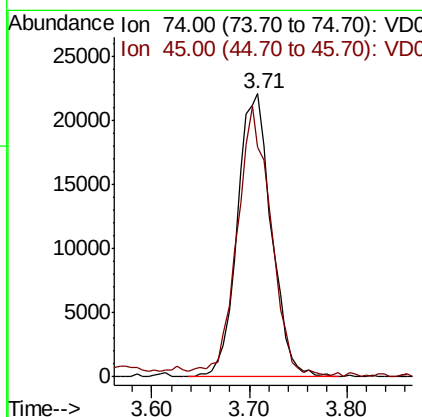
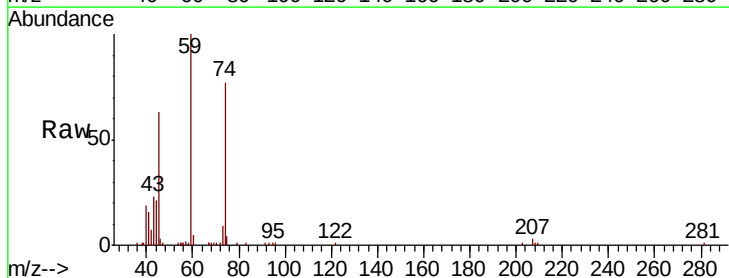
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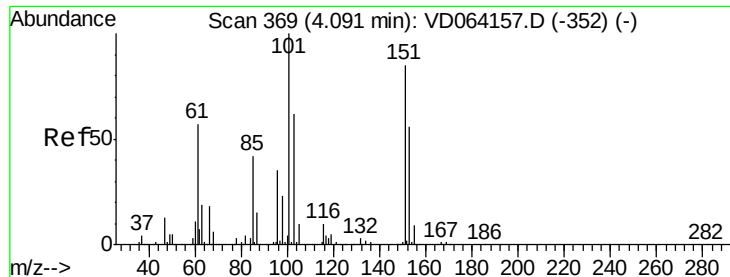


#8

Diethyl Ether
Concen: 21.582 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.769 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

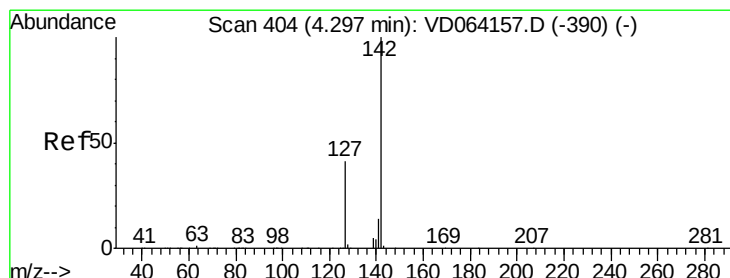
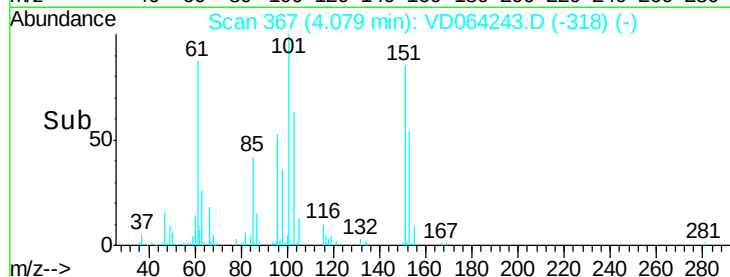
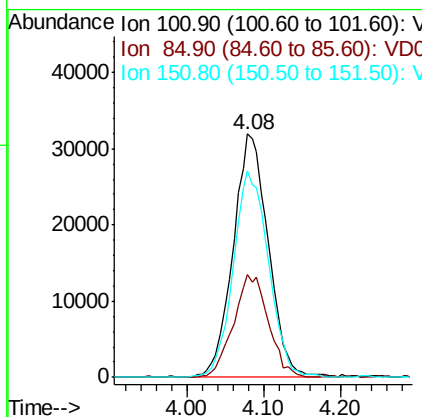
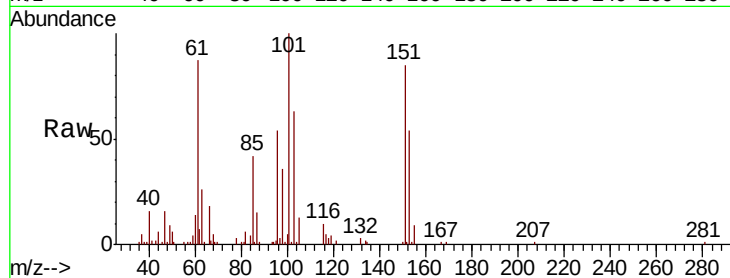
ClientSampleId :

VD1115SBSD02

Tot Ion:	101	Resp:	102100
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.4	51.6
151	85.1	68.1	102.1

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#10

Methyl Iodide

Concen: 19.393 ug/l

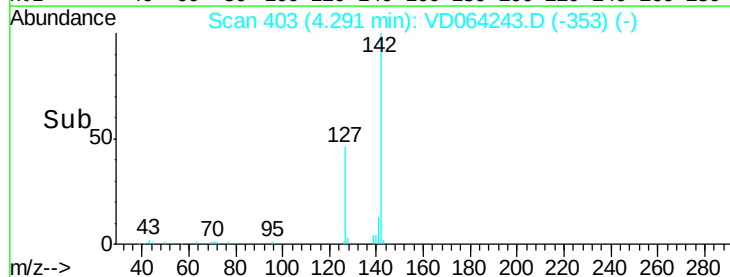
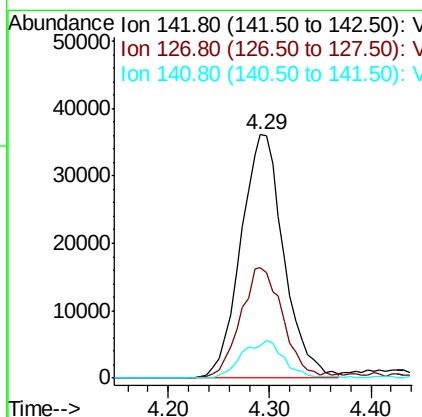
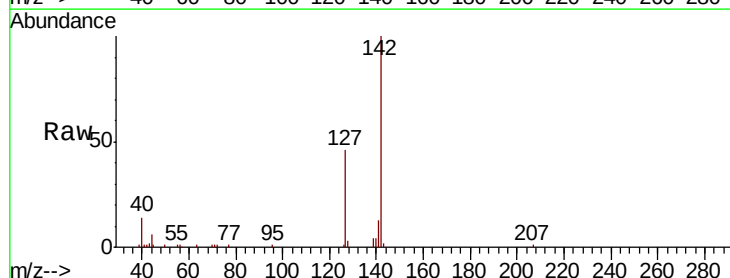
RT: 4.29 min Scan# 403

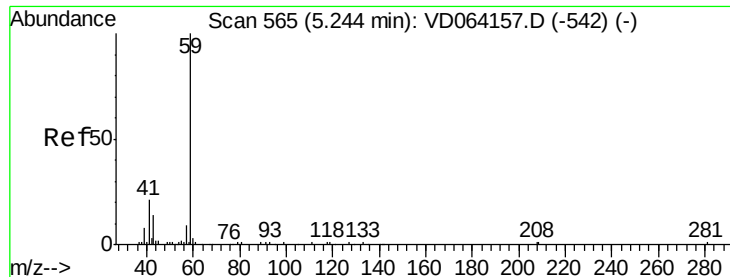
Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	142	Resp:	106690
Ion Ratio	Lower	Upper	
142	100		
127	46.0	34.4	51.6
141	15.3	11.2	16.8





#11

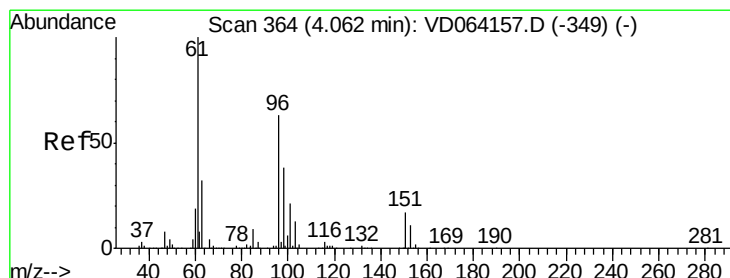
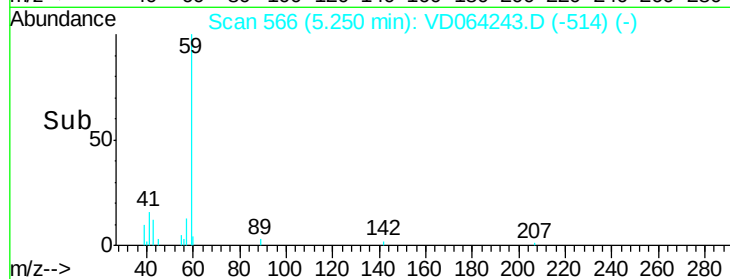
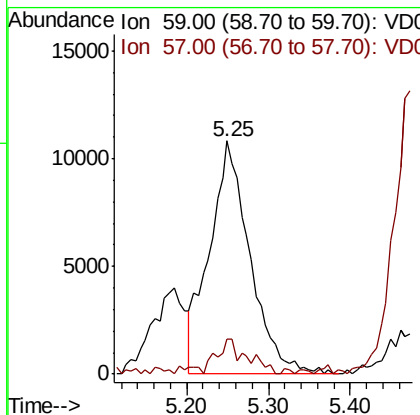
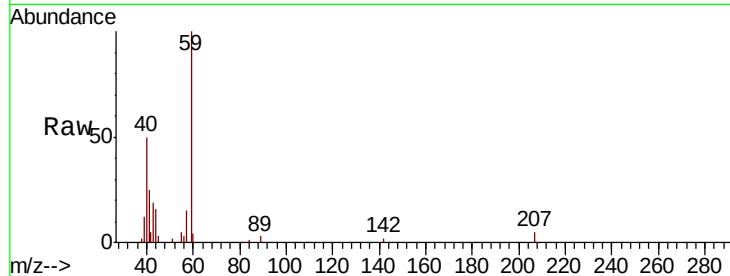
Tert butyl alcohol
Concen: 111.112 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.4	14.2

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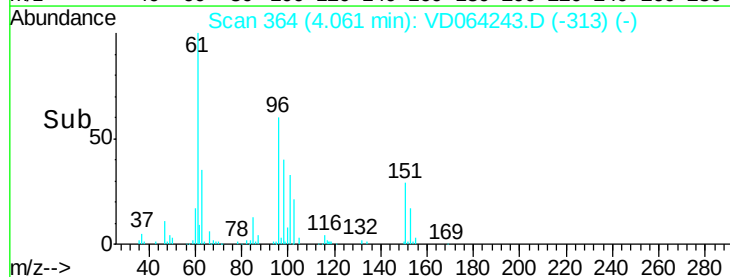
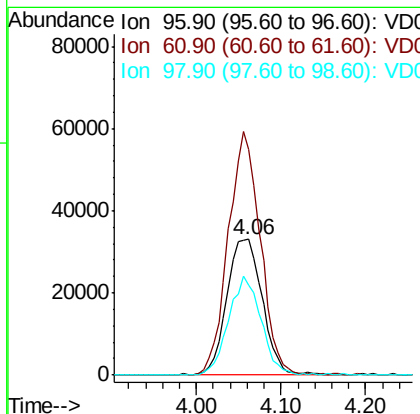
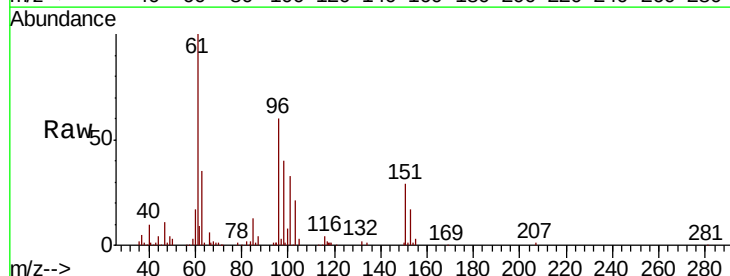
MMDADODA
11/19/2019 12:22:35 PM

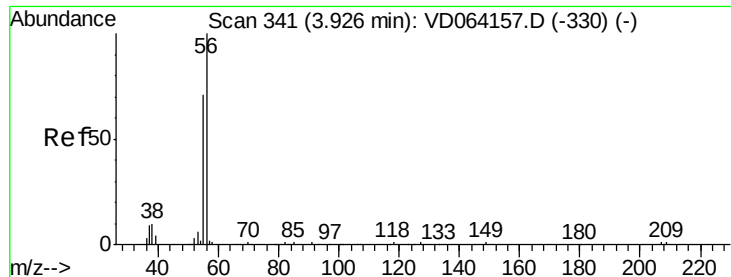


#12

1,1-Dichloroethene
Concen: 19.532 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	127.4	191.2
98	65.8	48.1	72.1





#13

Acrolein

Concen: 74.956 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 56 Resp: 21340

Ion Ratio Lower Upper

56 100

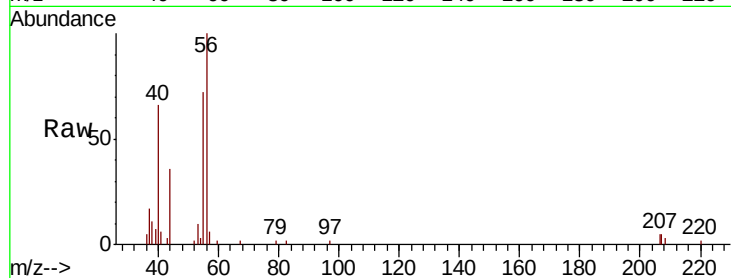
55 75.5 56.1 84.1

Manual Integrations

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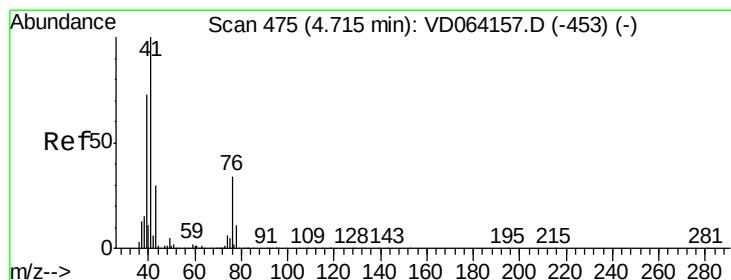
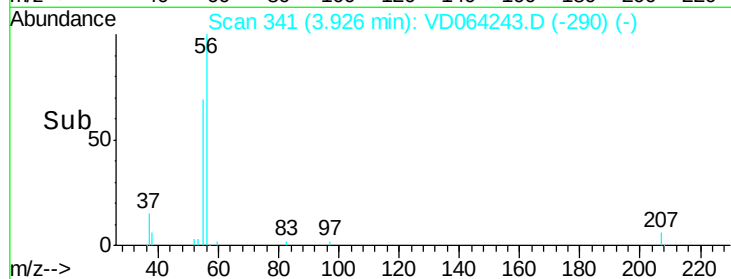
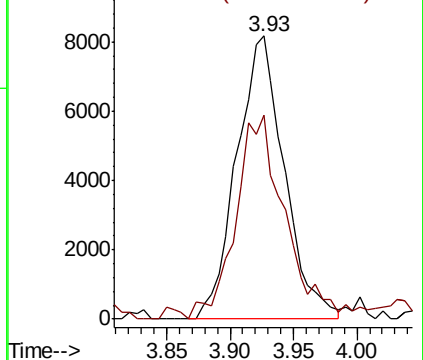
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.941 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

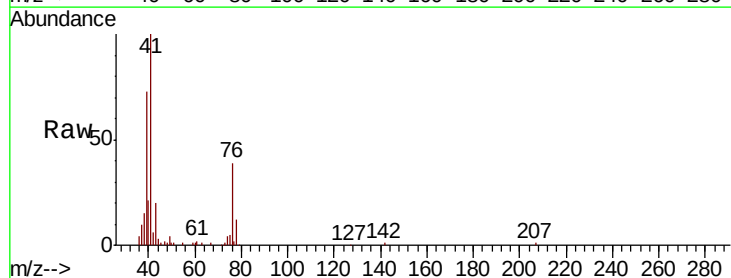
Tgt Ion: 41 Resp: 164858

Ion Ratio Lower Upper

41 100

39 71.3 57.5 86.3

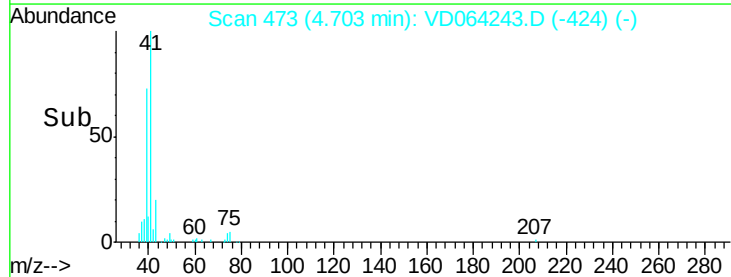
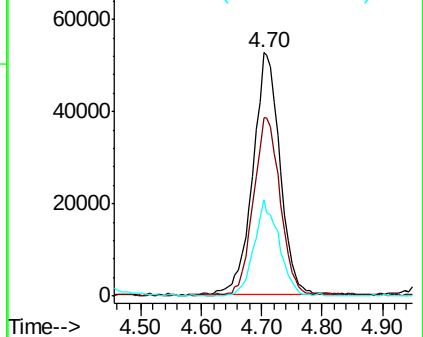
76 36.0 26.8 40.2

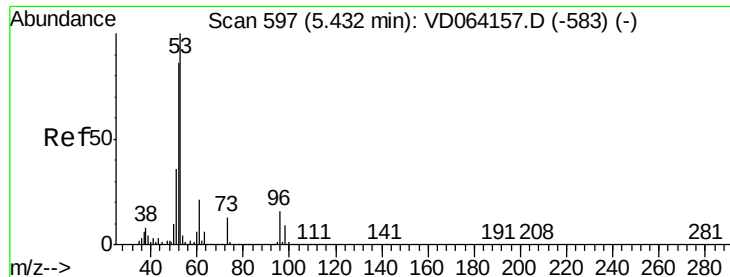


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 111.890 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 53 Resp: 118512

Ion Ratio Lower Upper

53 100

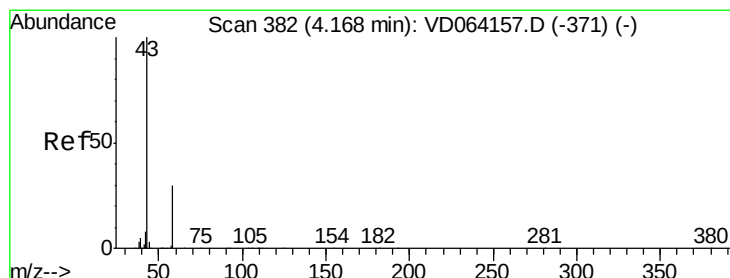
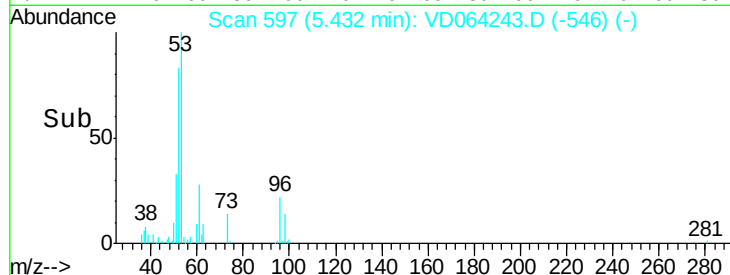
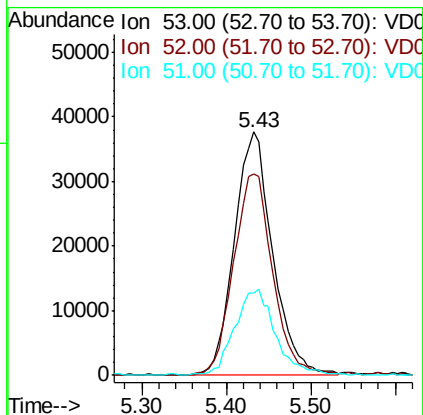
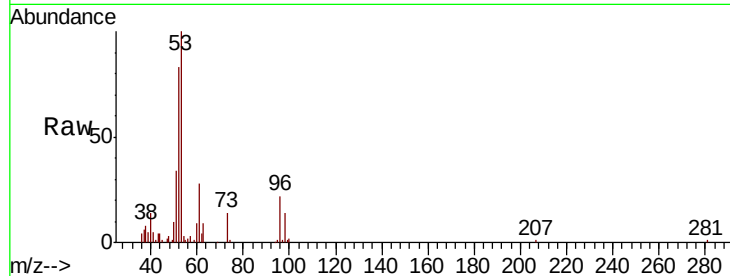
52 84.5 66.7 100.1

51 37.7 30.6 46.0

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#16

Acetone

Concen: 78.517 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064243.D

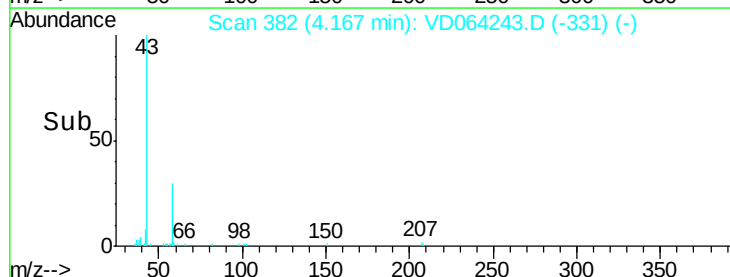
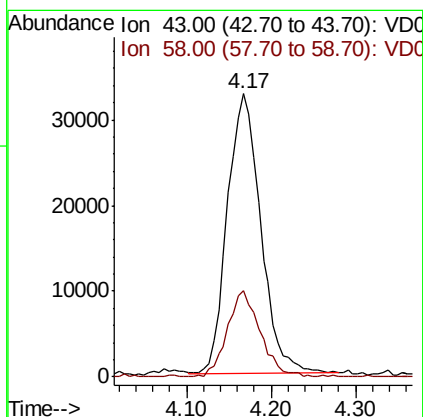
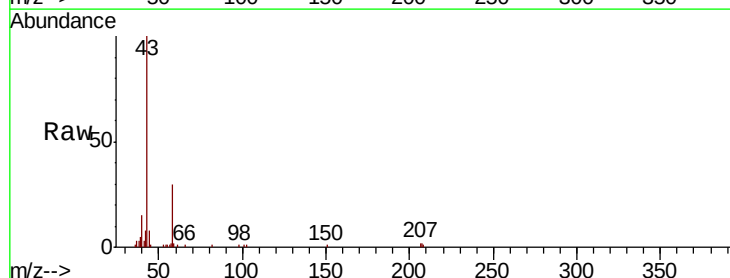
Acq: 16 Nov 2019 00:34

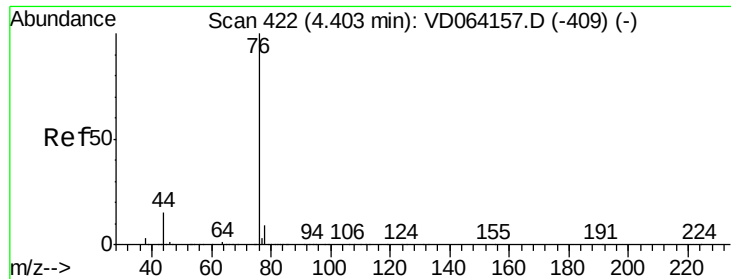
Tgt Ion: 43 Resp: 89623

Ion Ratio Lower Upper

43 100

58 30.8 24.1 36.1





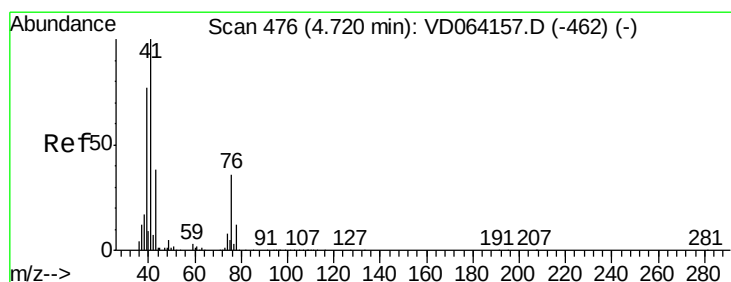
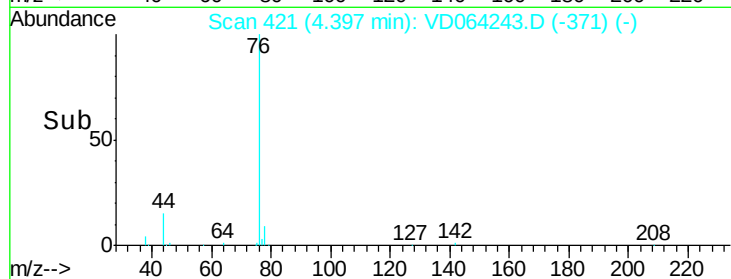
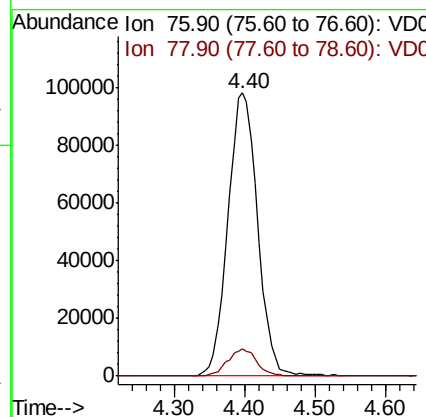
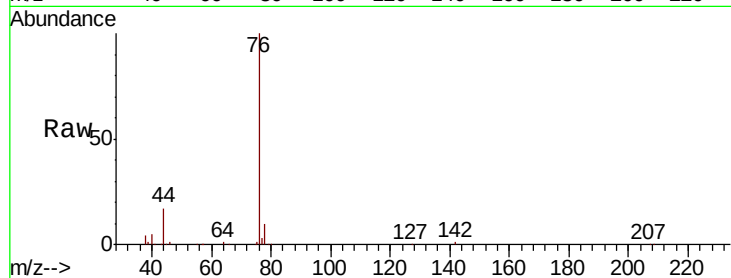
#17
Carbon Disulfide
Concen: 18.686 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

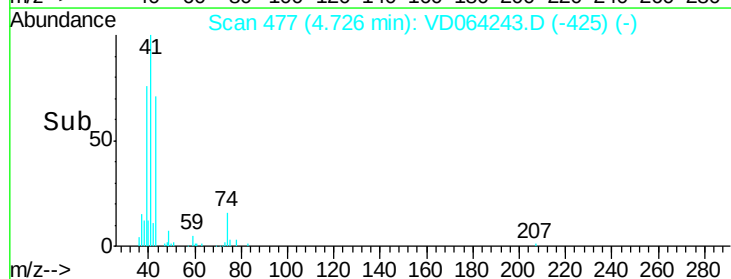
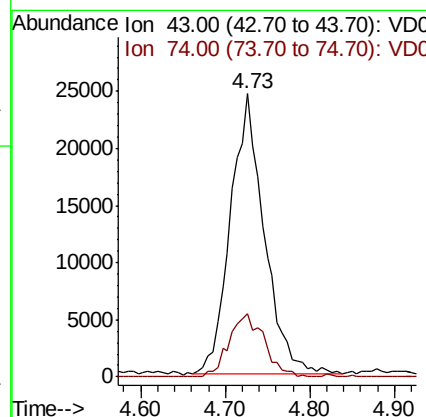
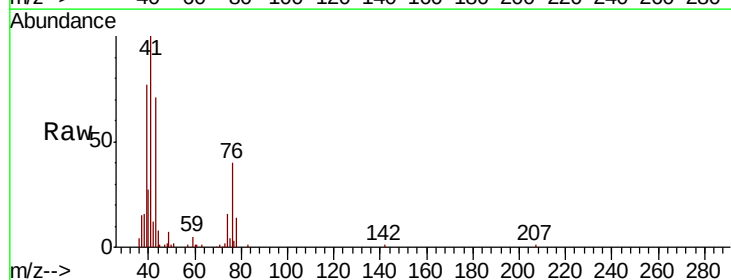
Manual Integrations
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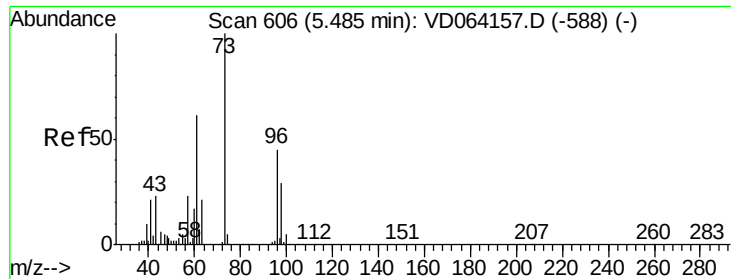
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#18
Methyl Acetate
Concen: 21.454 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.4	27.6





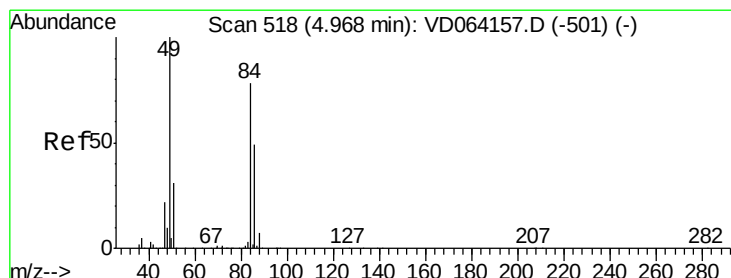
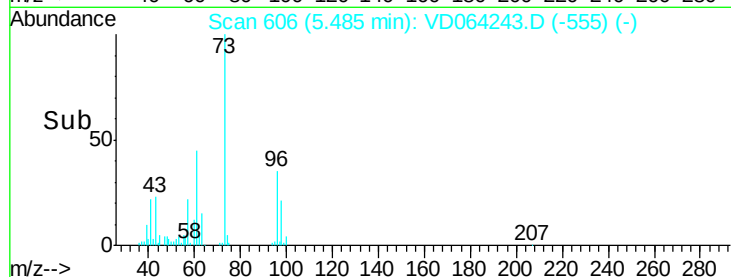
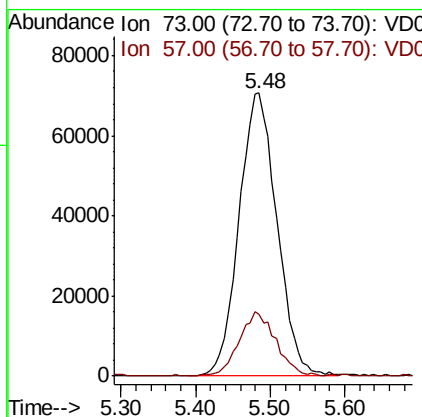
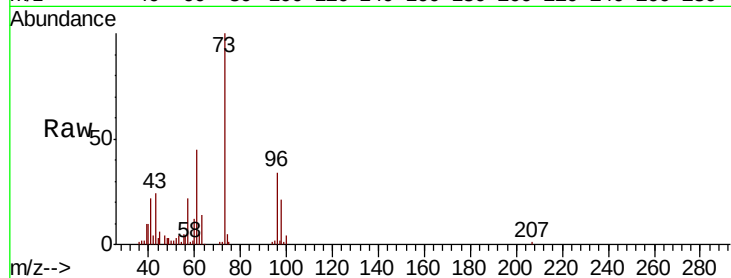
#19
Methyl tert-butyl Ether
Concen: 21.215 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion: 73 Resp: 249323
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6

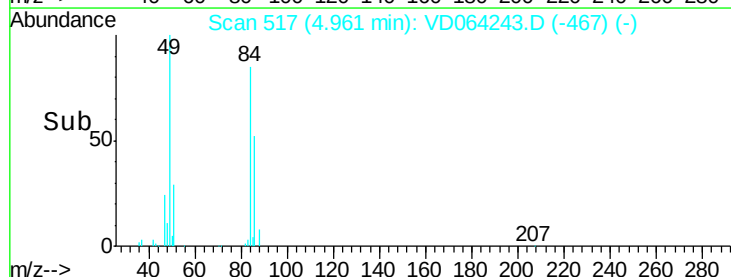
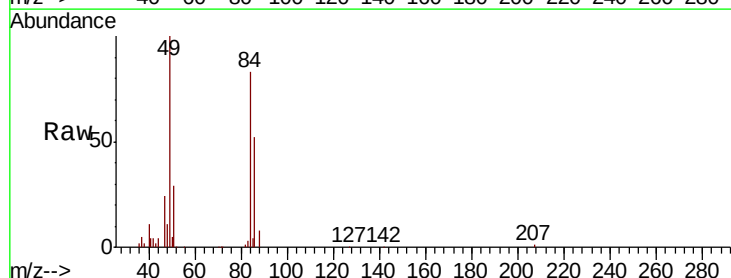
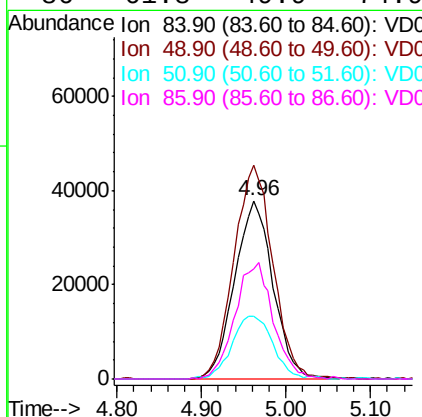
Manual Integrations
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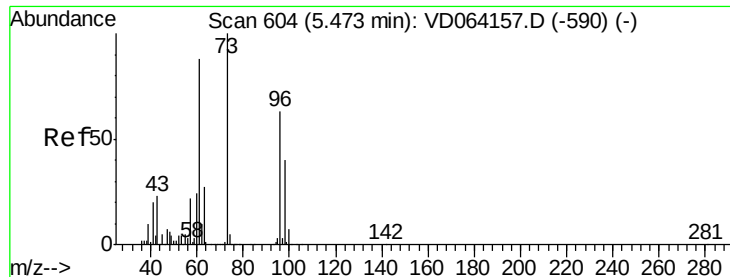
MMDADODA
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#20
Methylene Chloride
Concen: 20.668 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 84 Resp: 119167
Ion Ratio Lower Upper
84 100
49 119.9 102.1 153.1
51 35.1 32.2 48.2
86 61.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.634 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

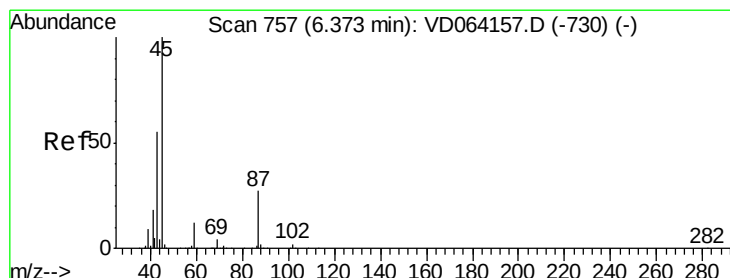
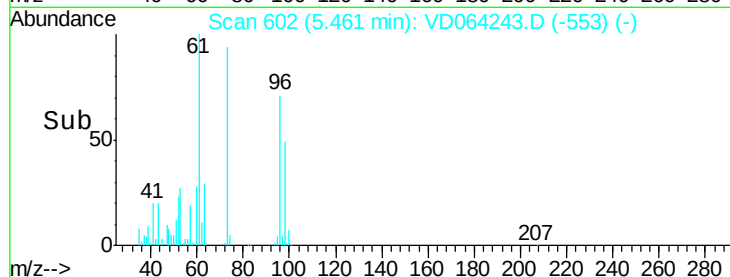
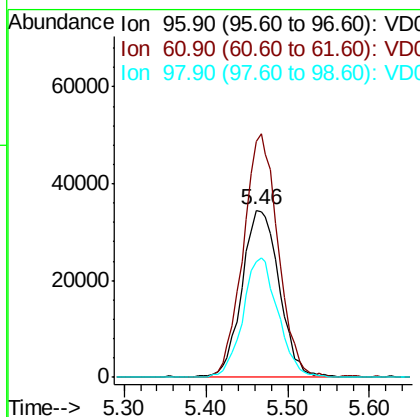
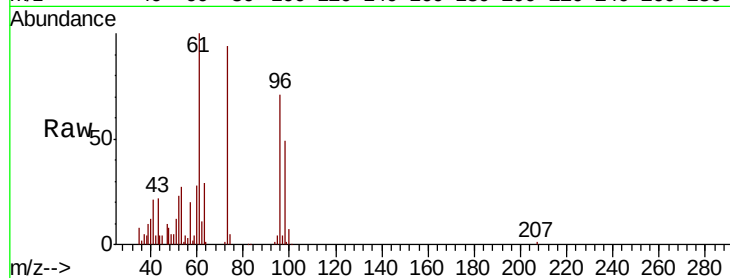
ClientSampleId :

VD1115SBS02

Tot Ion:	96	Resp:	109506
Ion	Ratio	Lower	Upper
96	100		
61	141.3	111.8	167.6
98	68.9	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.982 ug/l

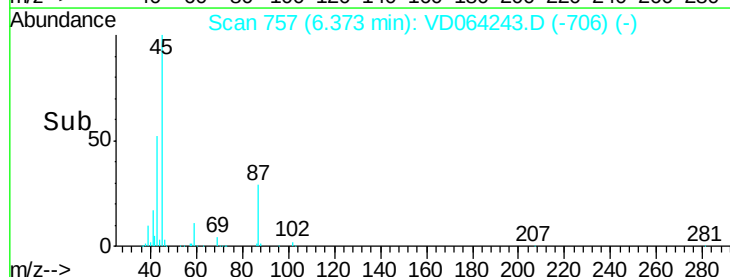
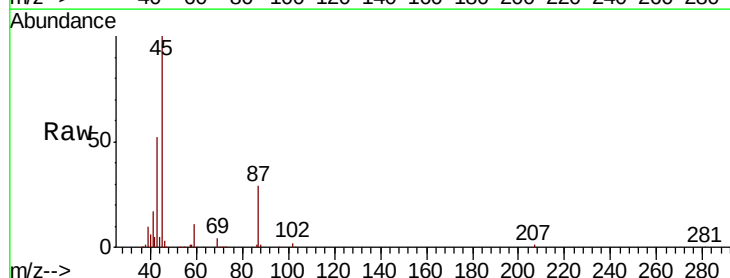
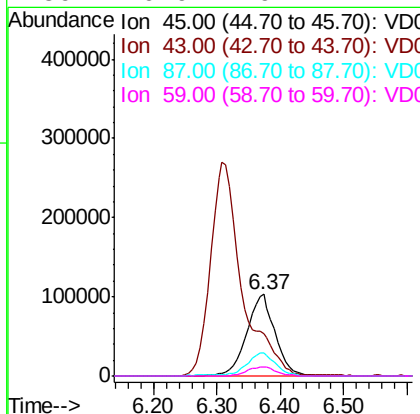
RT: 6.37 min Scan# 757

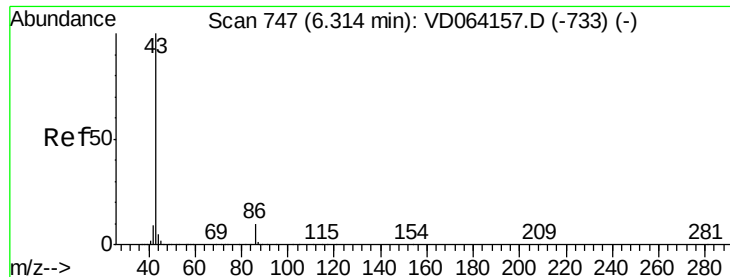
Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	45	Resp:	322690
Ion	Ratio	Lower	Upper
45	100		
43	51.2	44.4	66.6
87	28.4	21.9	32.9
59	10.9	9.4	14.2





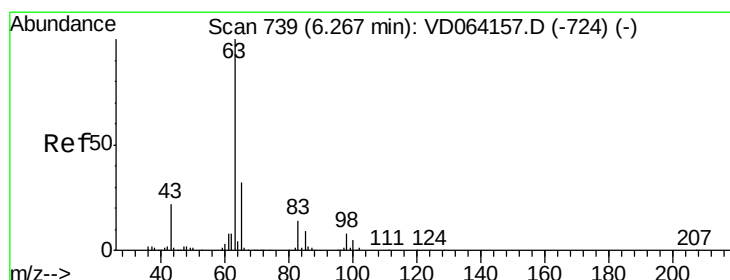
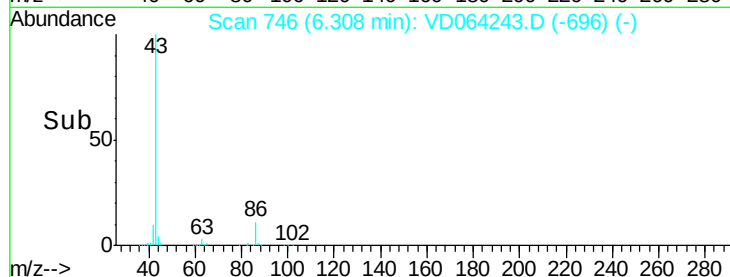
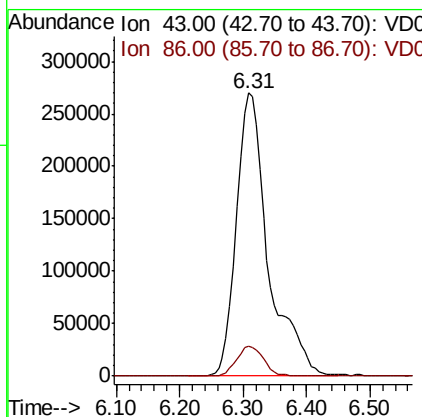
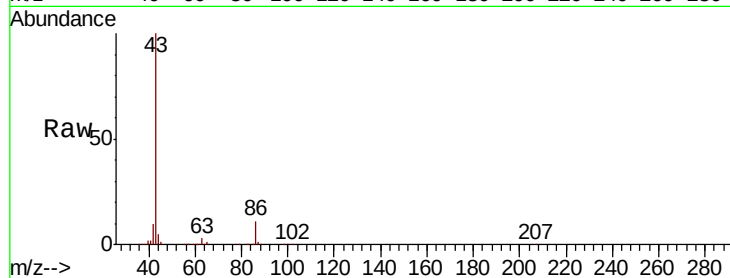
#23
 Vinyl Acetate
 Concen: 103.981 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2

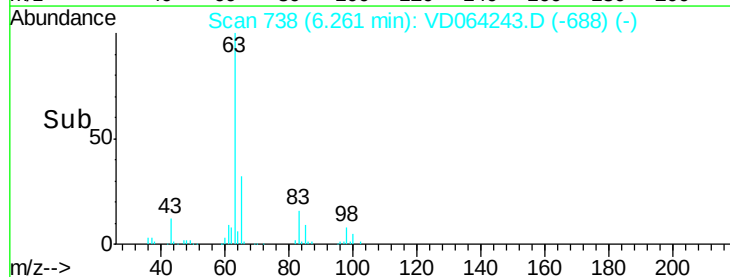
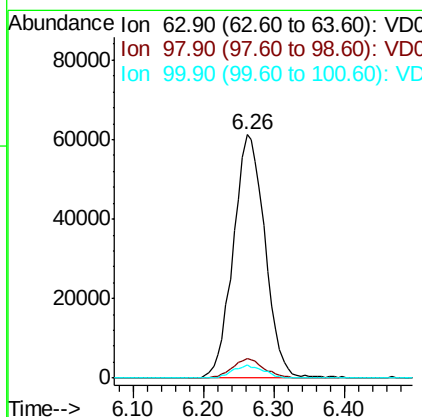
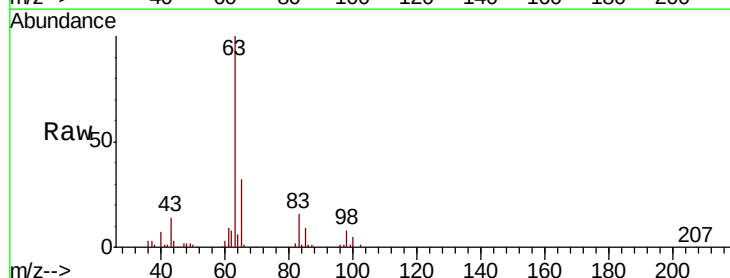
Manual Integrations
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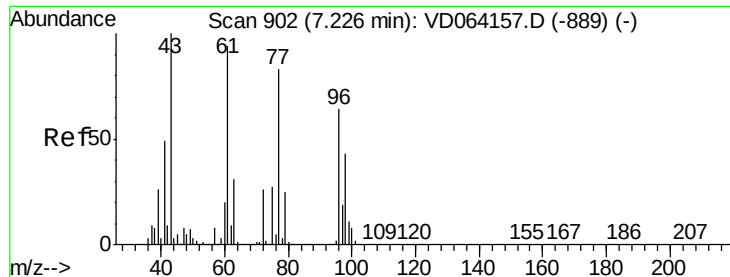
MMDADODA
 11/19/2019 12:22:35 PM



#24
 1,1-Dichloroethane
 Concen: 20.321 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.8	11.4
100	5.4	2.4	7.2





#25

2-Butanone

Concen: 102.228 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 43 Resp: 150754

Ion Ratio Lower Upper

43 100

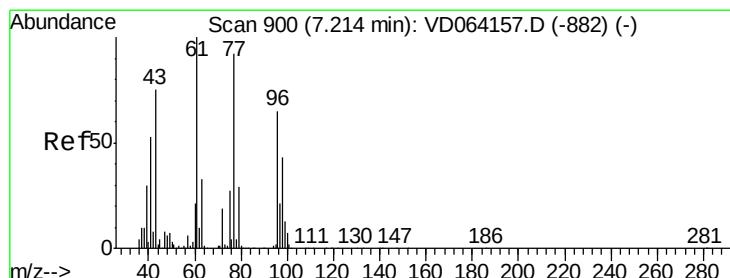
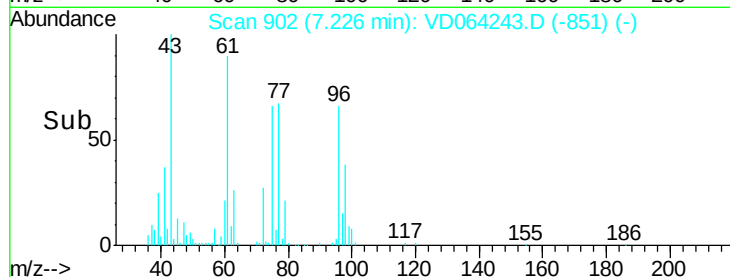
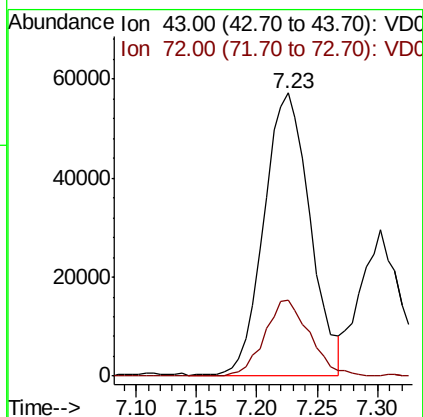
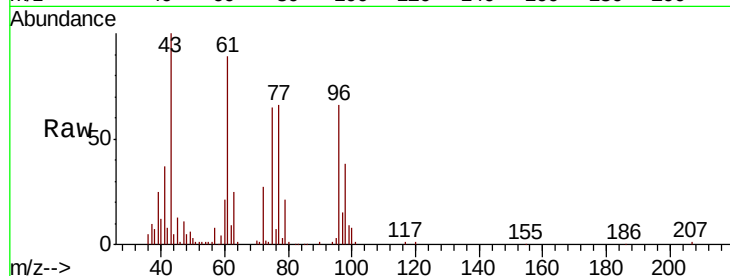
72 26.9 20.6 30.8

Manual Integrations

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11/19/2019 12:22:35 PM



#26

2,2-Dichloropropane

Concen: 17.368 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064243.D

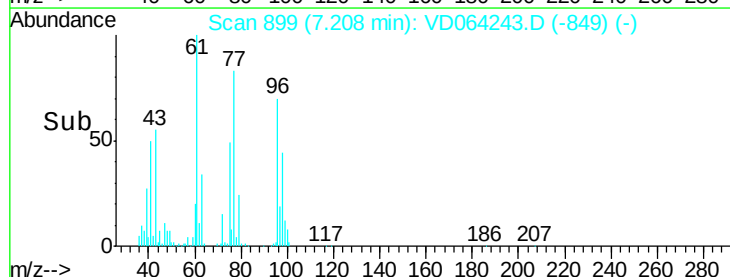
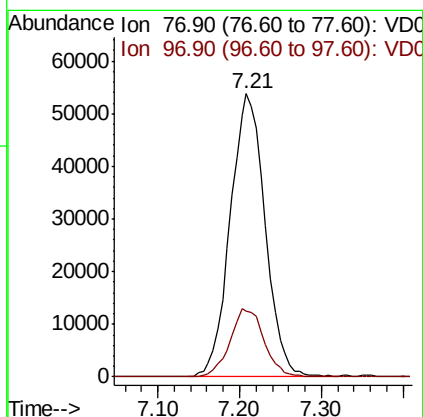
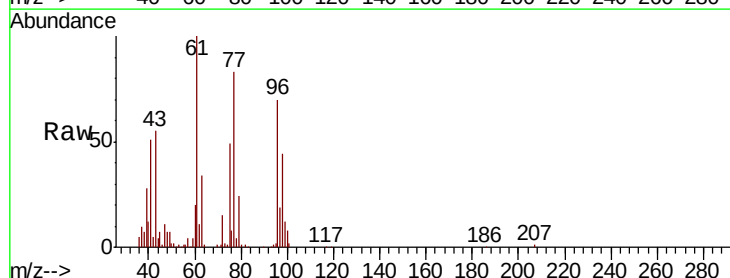
Acq: 16 Nov 2019 00:34

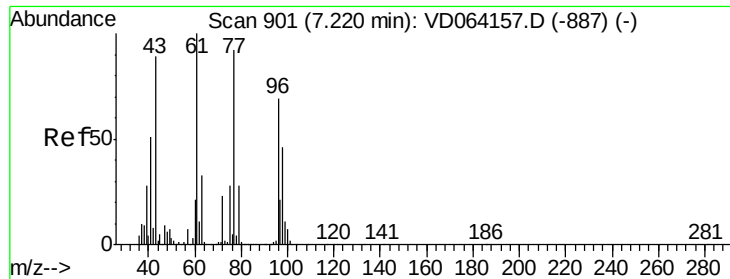
Tgt Ion: 77 Resp: 159714

Ion Ratio Lower Upper

77 100

97 23.5 11.1 33.3





#27

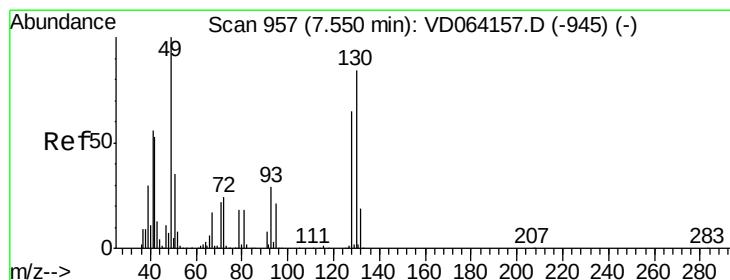
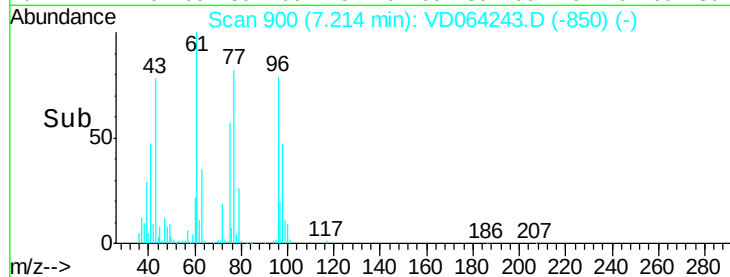
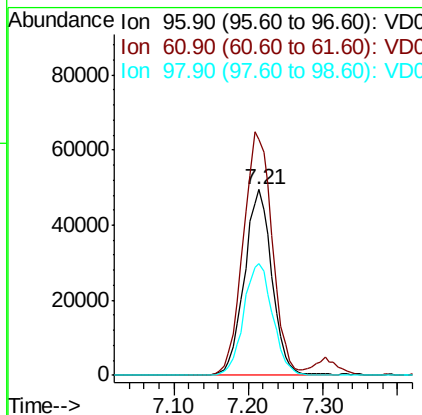
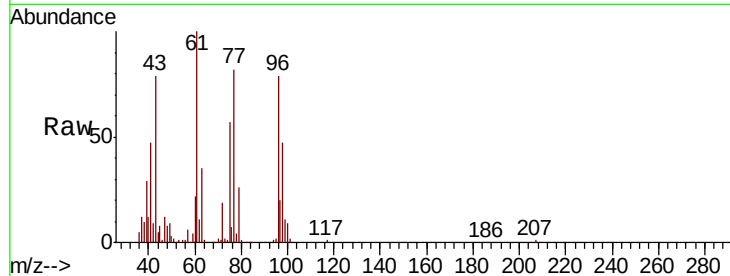
cis-1,2-Dichloroethene
 Concen: 21.277 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127258		
61	137.2		0.0	301.4
98	62.7		0.0	133.2

Manual Integrations
 APPROVED

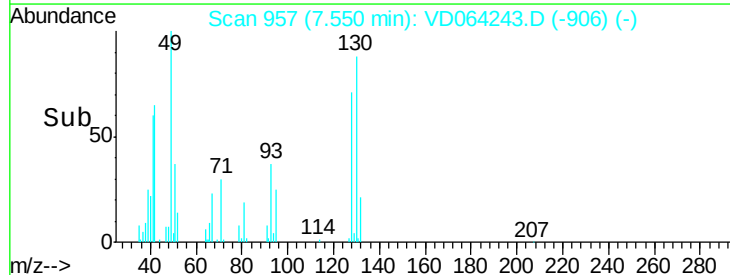
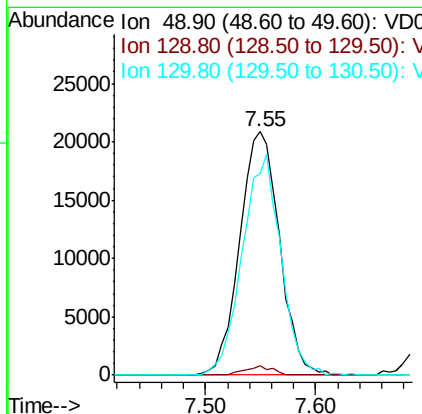
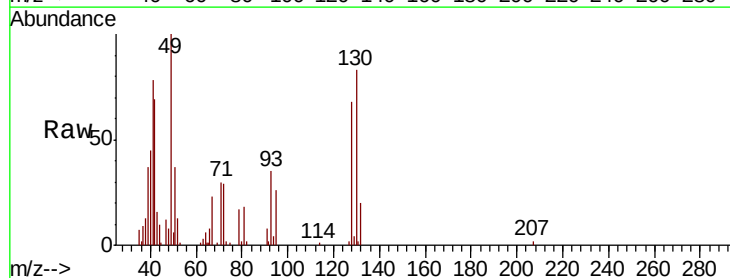
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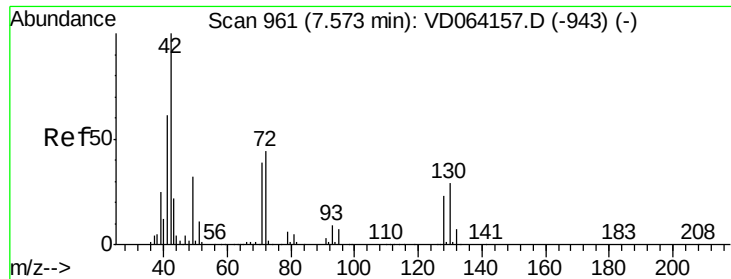


#28

Bromochloromethane
 Concen: 16.198 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52878		
129	2.5		0.0	4.4
130	87.5		66.8	100.2





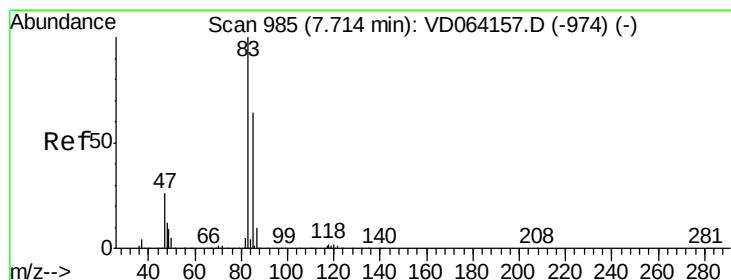
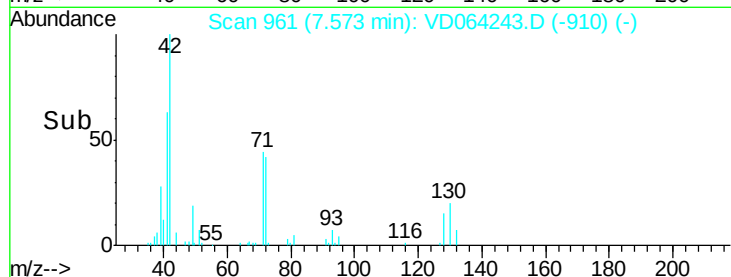
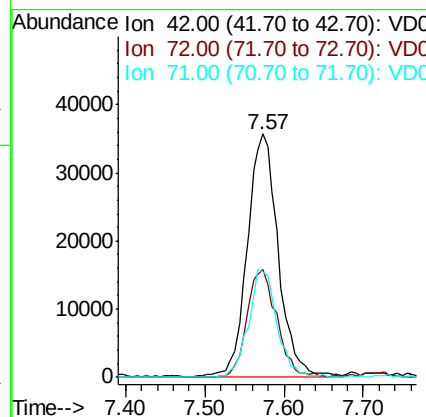
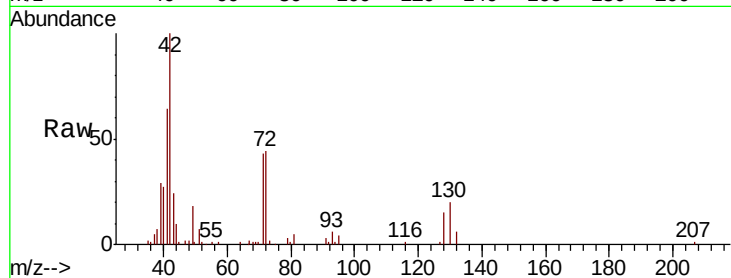
#29
Tetrahydrofuran
Concen: 109.772 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.4	50.2
71	40.9	31.0	46.4

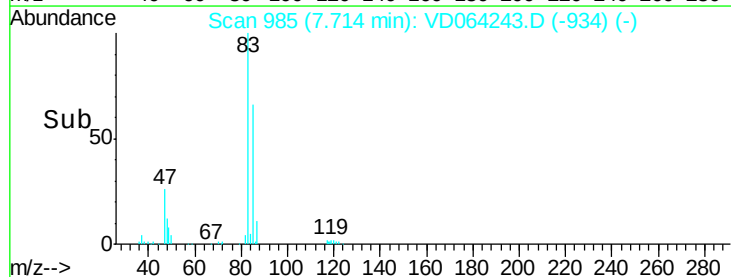
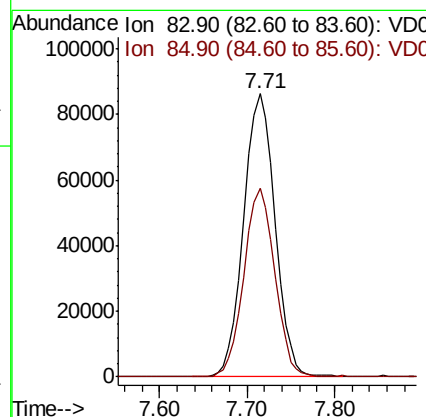
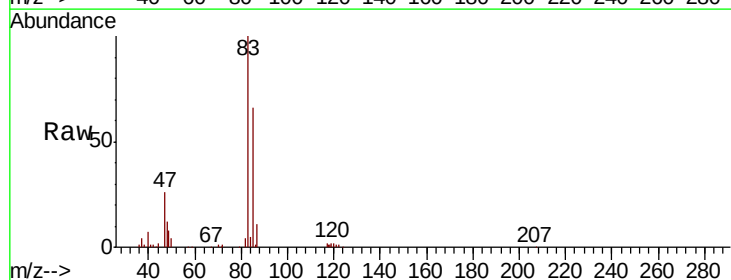
Manual Integrations
APPROVED

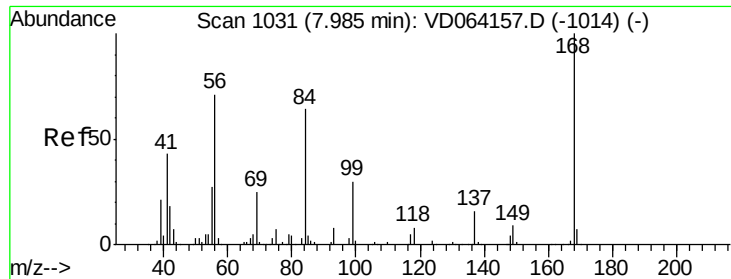
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#30
Chloroform
Concen: 21.884 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.0





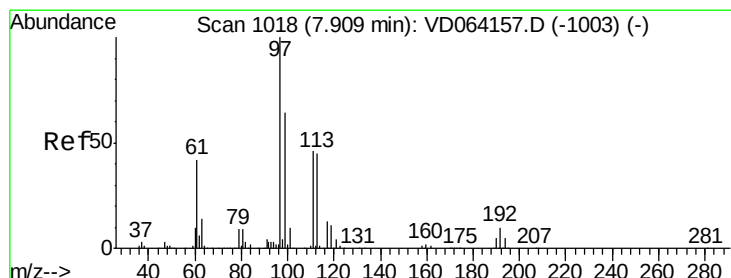
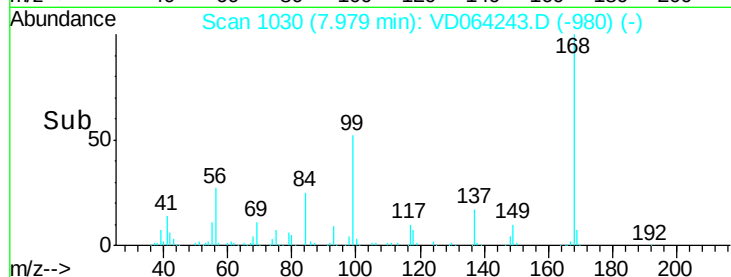
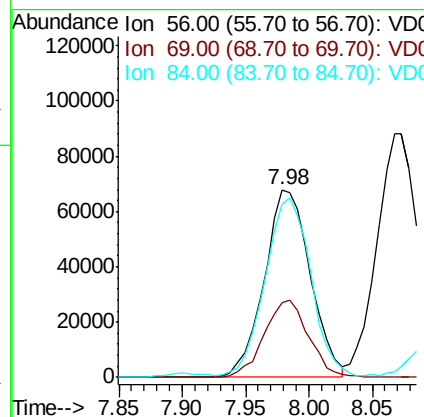
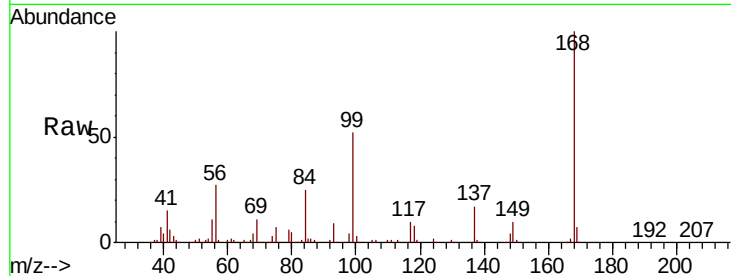
#31
Cyclohexane
Concen: 18.159 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	28.2	42.4
84	91.0	71.8	107.6

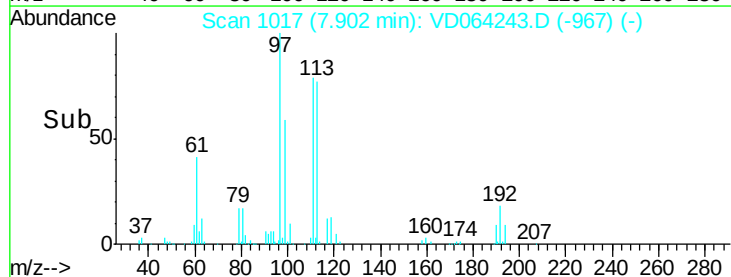
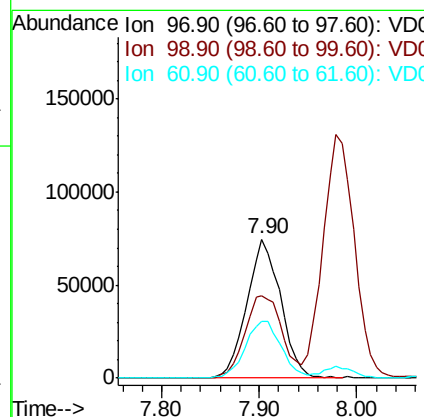
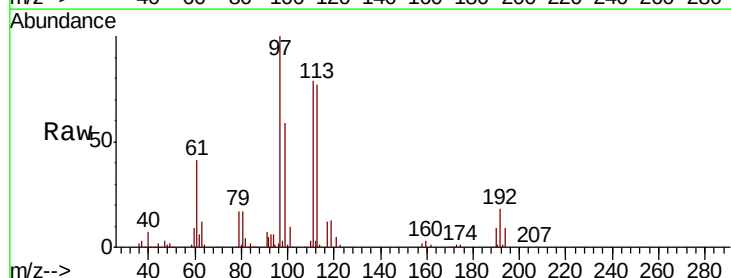
Manual Integrations
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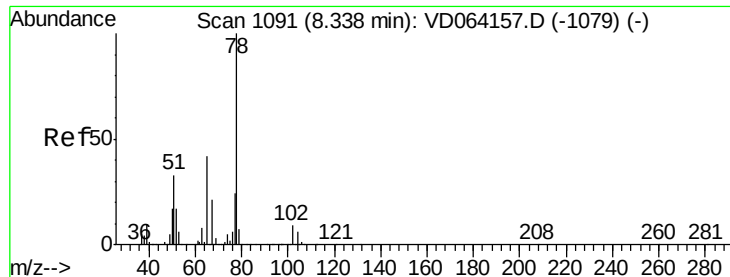
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#32
1,1,1-Trichloroethane
Concen: 19.658 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.6	77.4
61	43.1	34.2	51.2





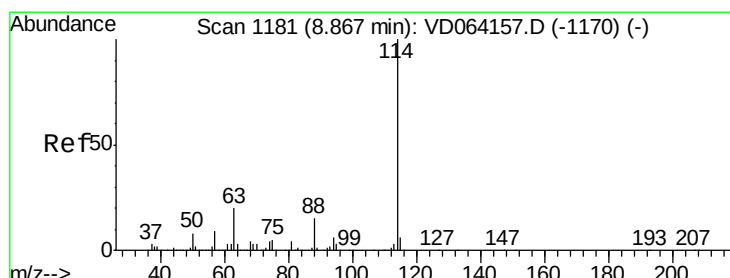
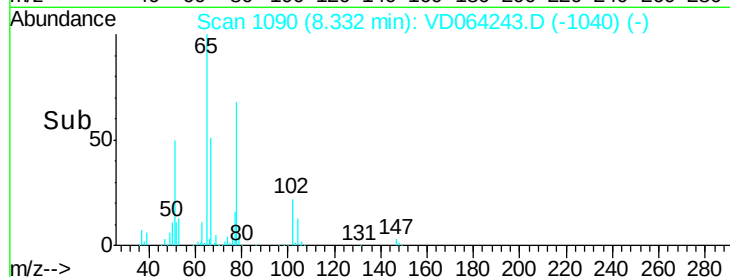
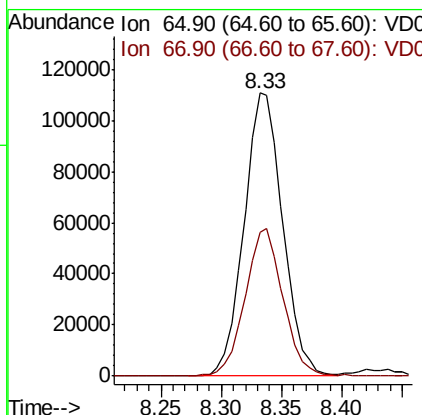
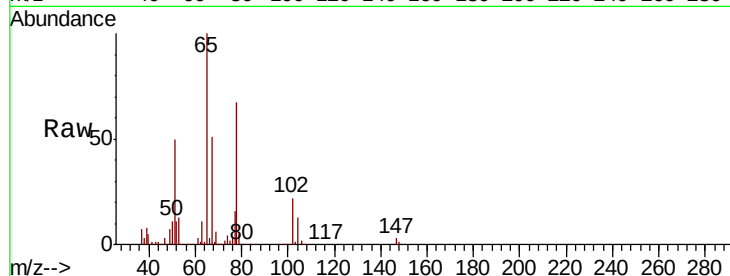
#33
 1,2-Dichloroethane-d4
 Concen: 51.247 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.4

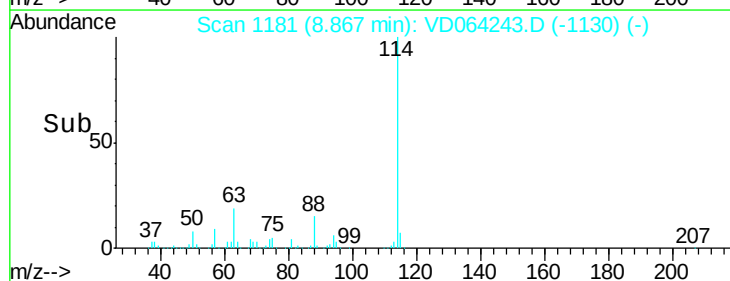
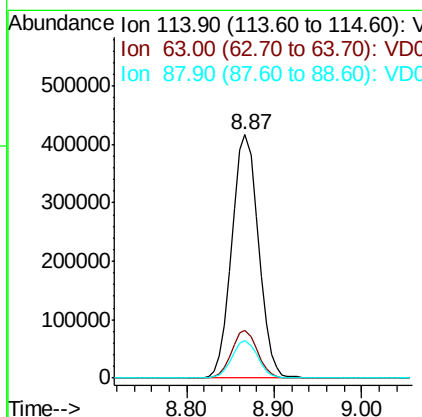
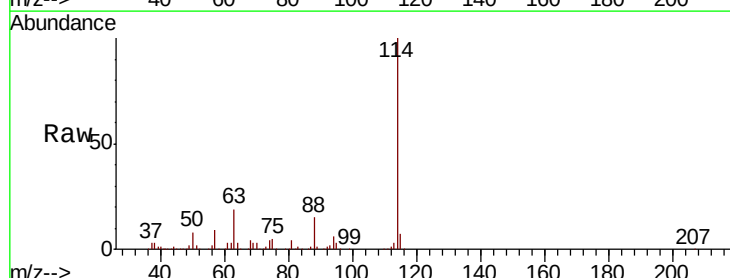
Manual Integrations
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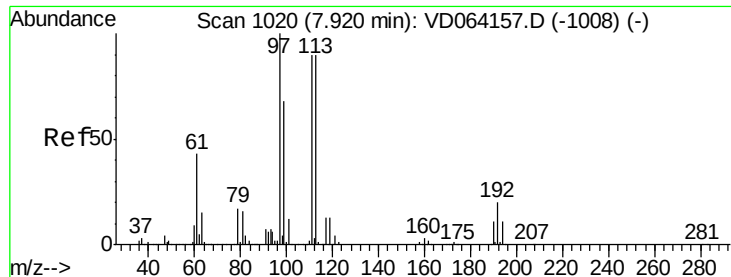
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	15.3	0.0	30.2





#35

Dibromofluoromethane

Concen: 51.797 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

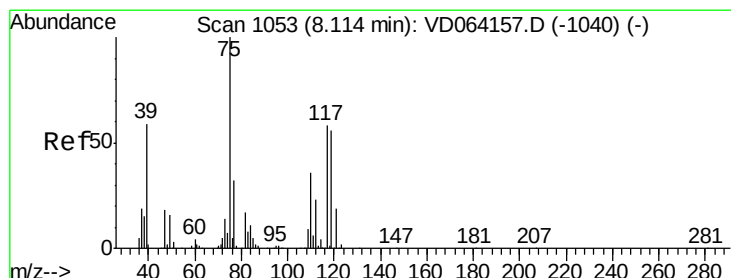
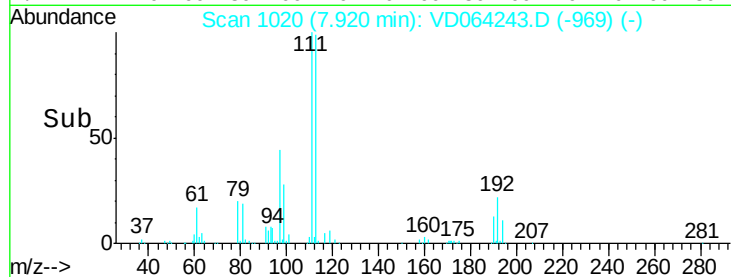
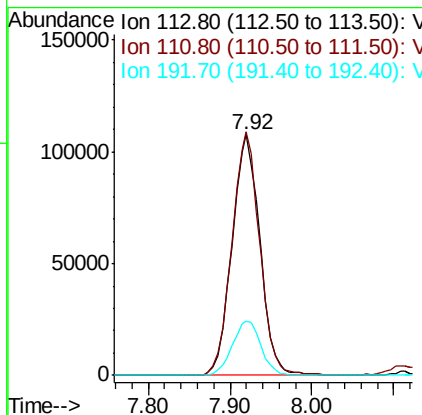
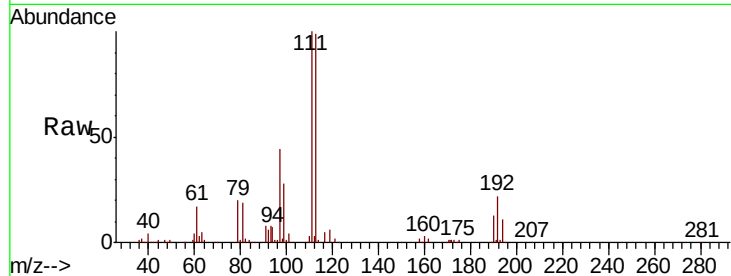
ClientSampleId :

VD1115SBS02

Tot Ion:	113	Resp:	255213
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.5	122.3
192	23.0	18.8	28.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.292 ug/l

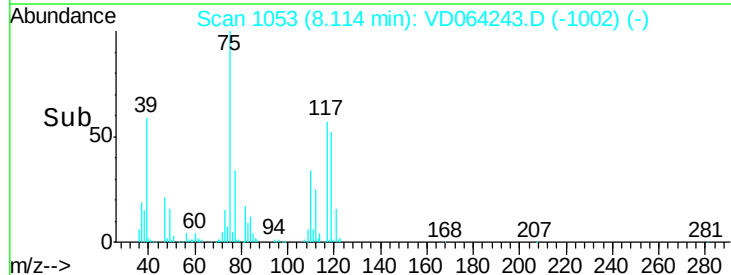
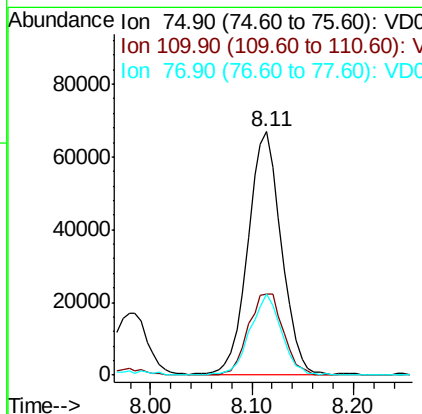
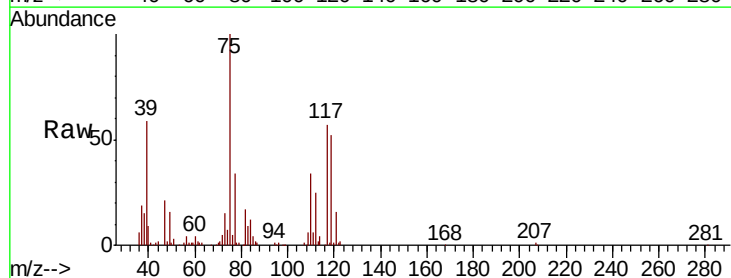
RT: 8.11 min Scan# 1053

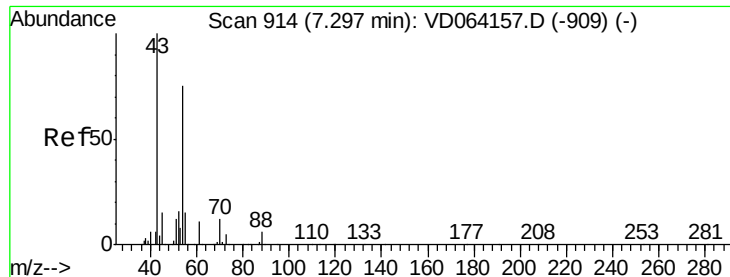
Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	75	Resp:	152827
Ion Ratio	Lower	Upper	
75	100		
110	35.2	18.3	54.9
77	31.7	25.0	37.6





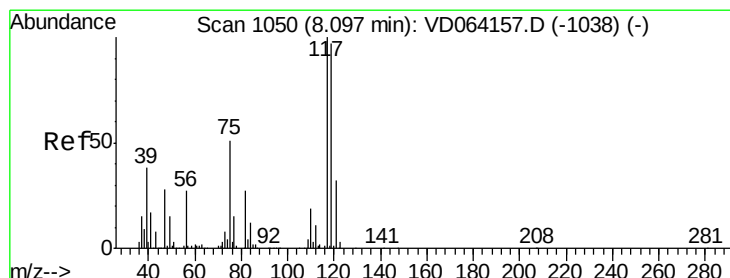
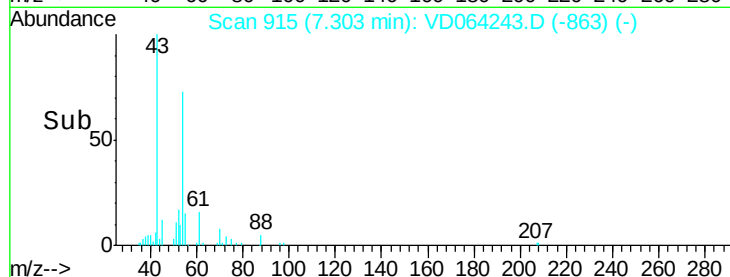
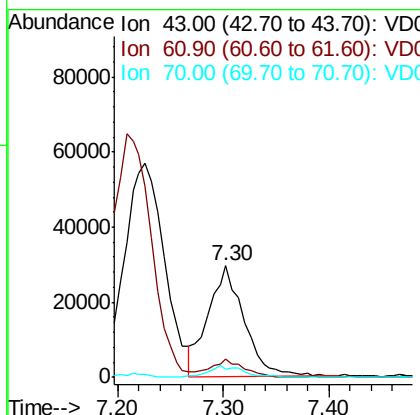
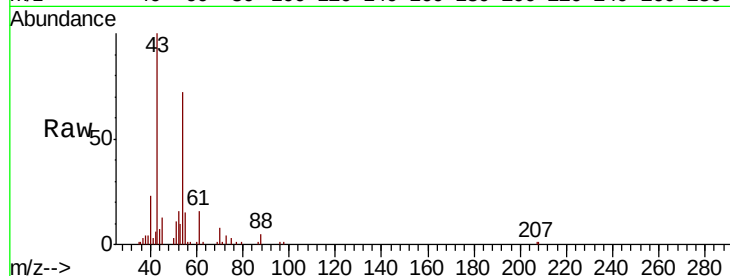
#37
Ethyl Acetate
Concen: 20.931 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion:	43	Resp:	69905
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.2	15.2
70	10.6	8.5	12.7

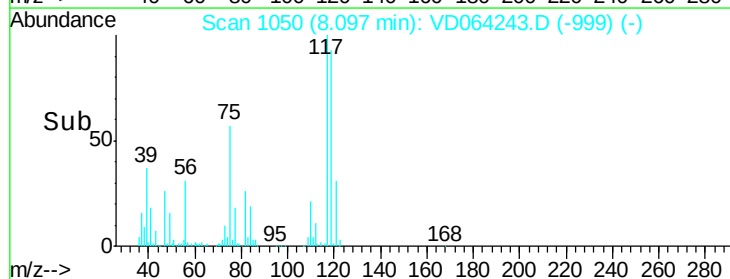
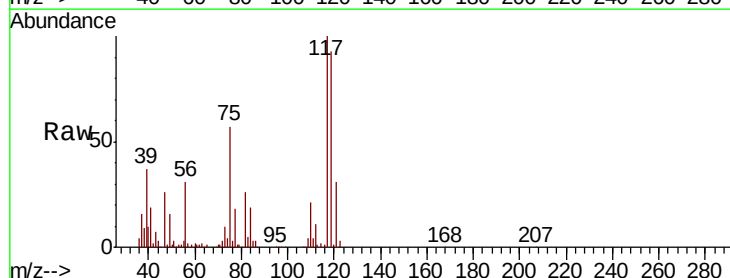
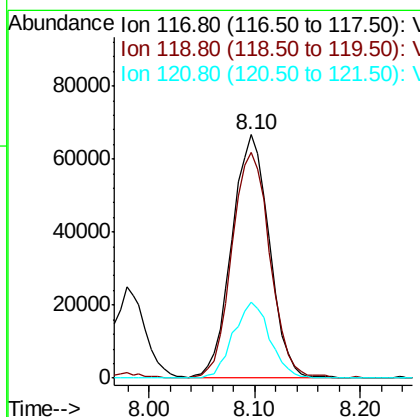
Manual Integrations
APPROVED

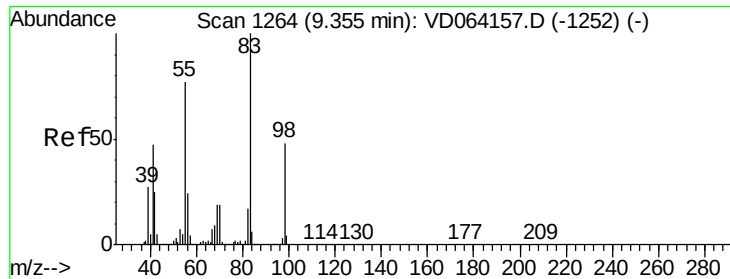
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#38
Carbon Tetrachloride
Concen: 19.310 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion:	117	Resp:	163681
Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.2	115.8
121	31.1	25.5	38.3





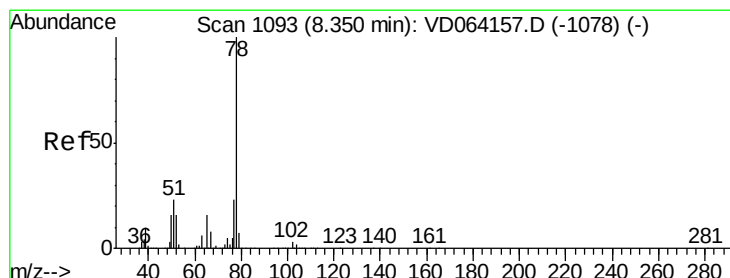
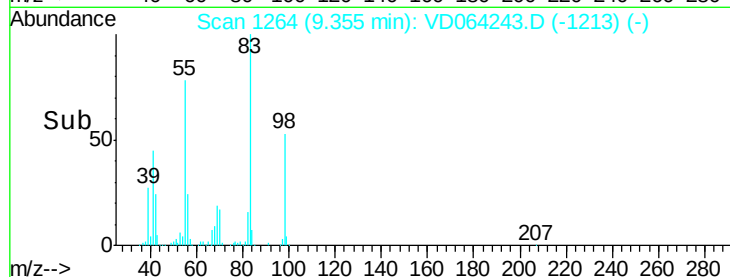
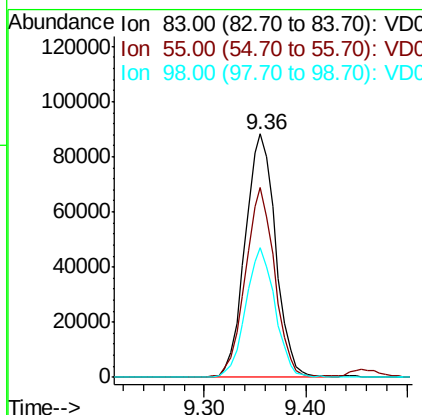
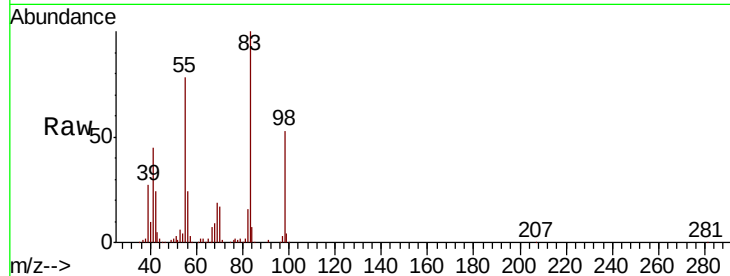
#39
Methylvlcyclohexane
Concen: 18.354 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.7	92.5
98	53.4	38.6	58.0

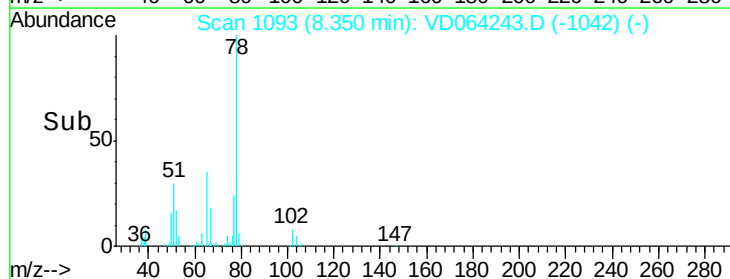
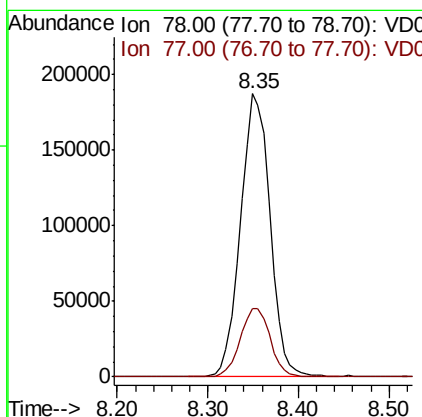
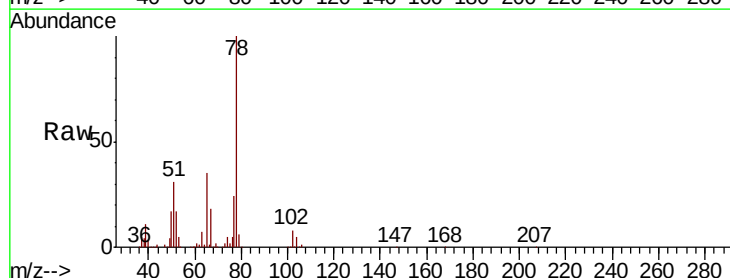
Manual Integrations
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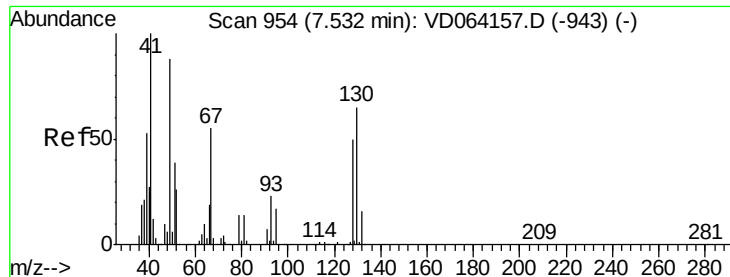
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#40
Benzene
Concen: 19.571 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





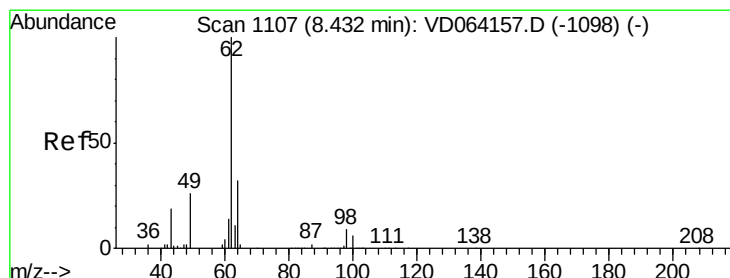
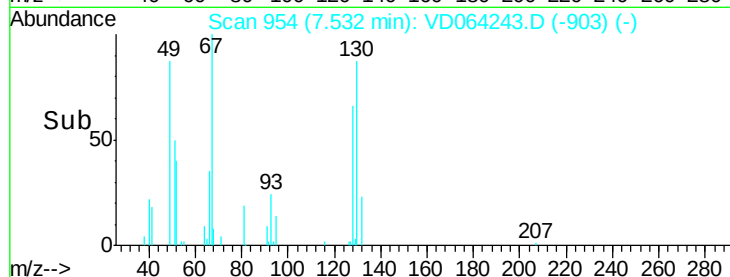
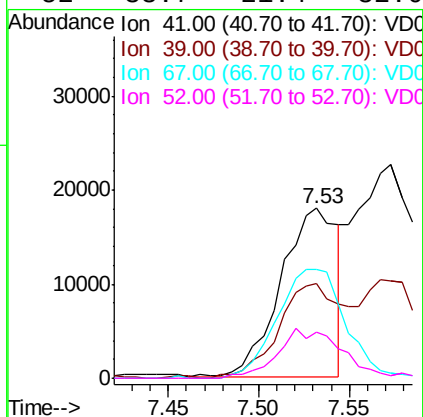
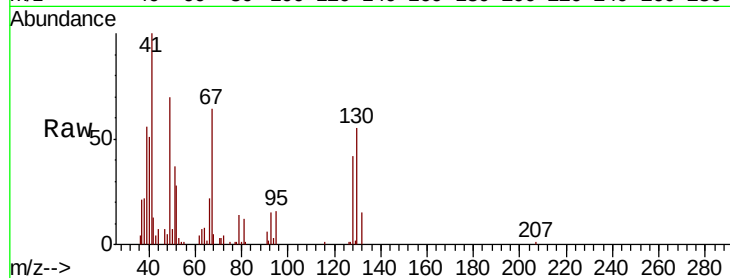
#41
Methacrylonitrile
Concen: 18.594 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.2	49.4	74.2
67	78.0	49.6	74.4#
52	33.7	21.4	32.0#

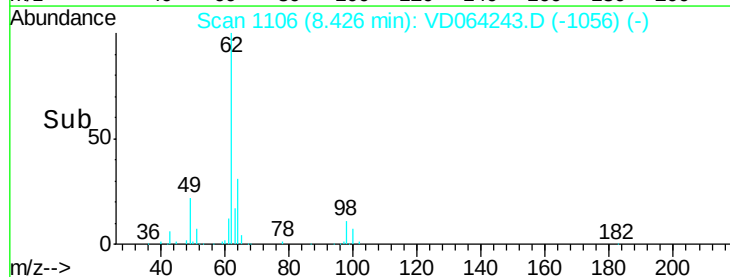
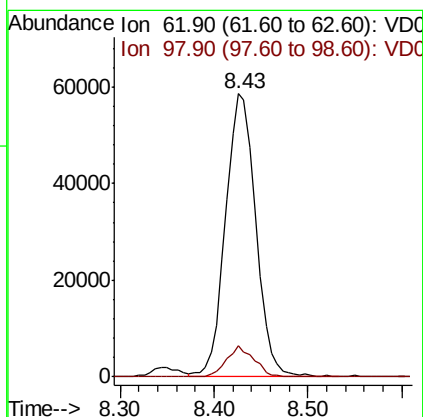
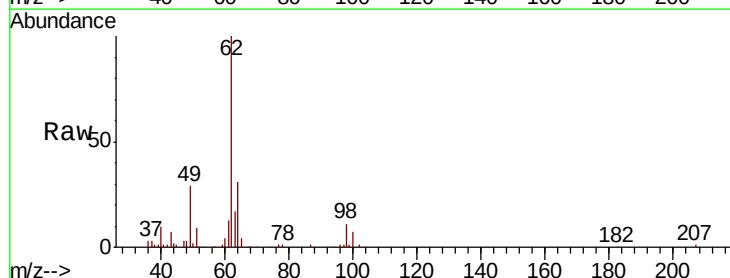
Manual Integrations
APPROVED

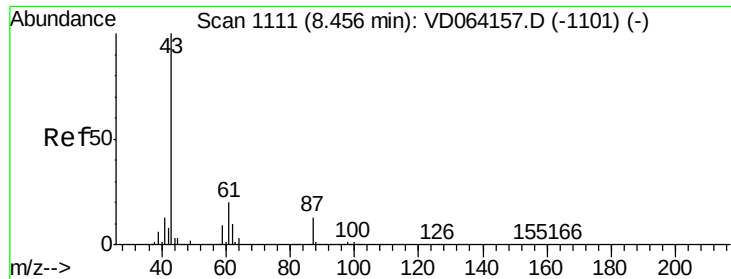
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11/19/2019 12:22:35 PM



#42
1,2-Dichloroethane
Concen: 20.219 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.123 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

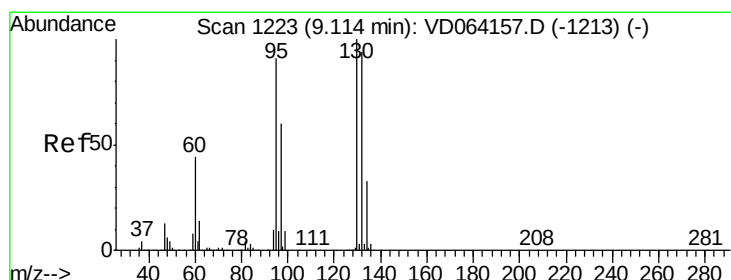
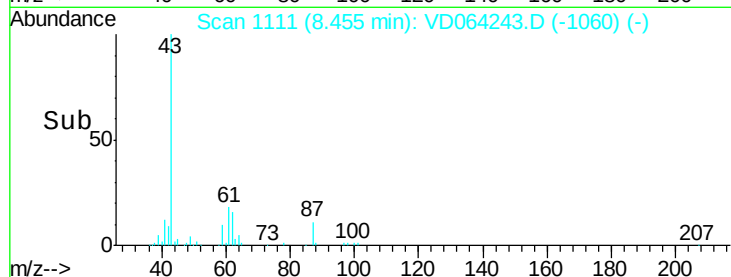
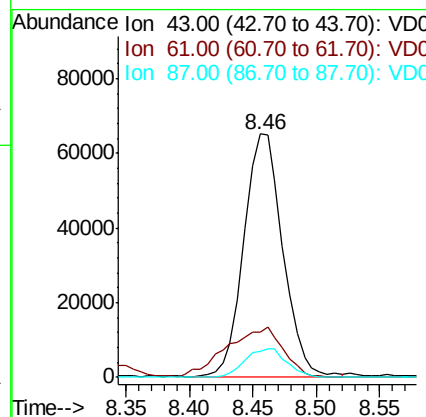
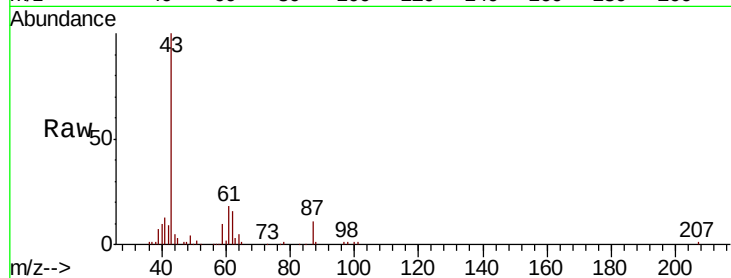
ClientSampleId :

VD1115SBS02

Tot Ion:	43	Resp:	138466
Ion	Ratio	Lower	Upper
43	100		
61	30.2	22.9	34.3
87	12.8	10.2	15.2

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11/19/2019 12:22:35 PM



#44

Trichloroethene

Concen: 19.868 ug/l

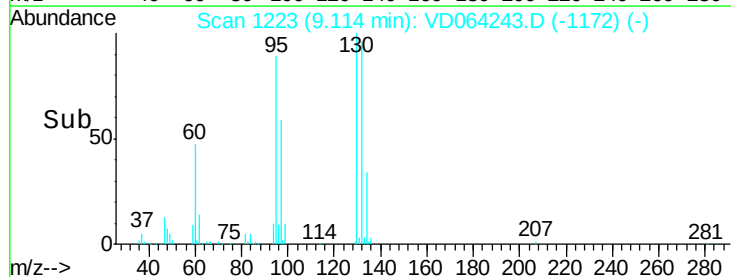
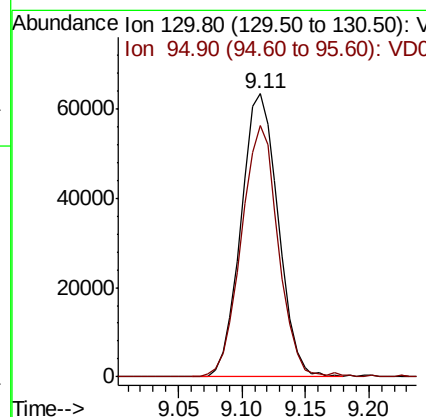
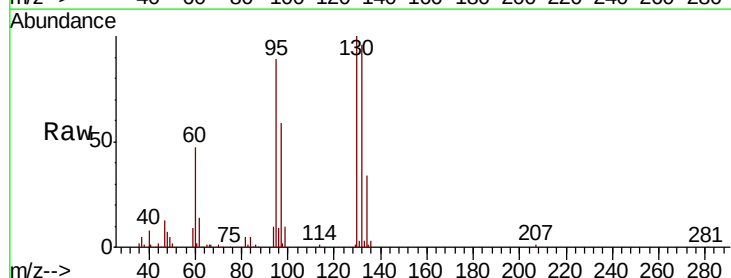
RT: 9.11 min Scan# 1223

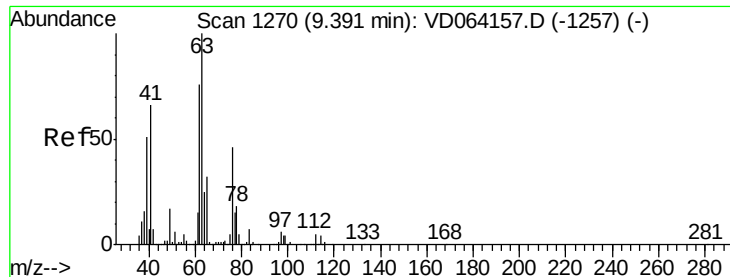
Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	130	Resp:	129106
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	181.6





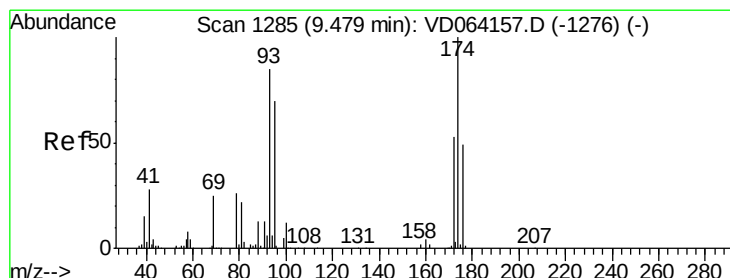
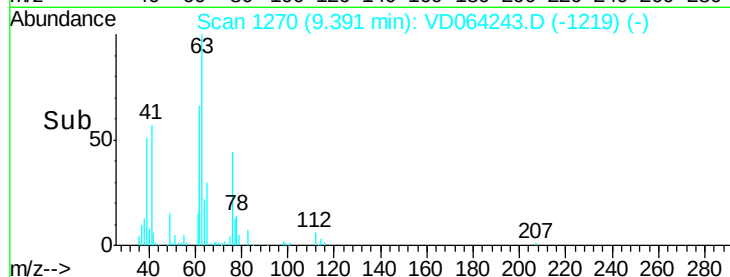
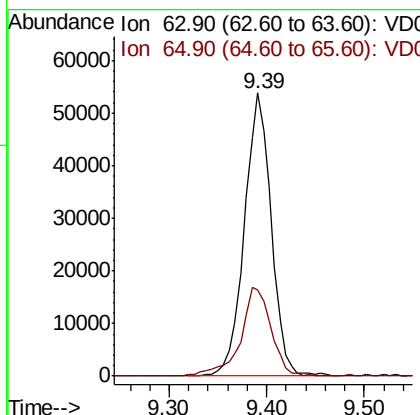
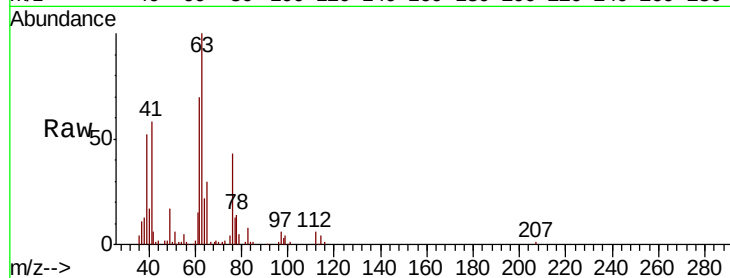
#45
 1,2-Dichloropropane
 Concen: 19.737 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.7	38.5

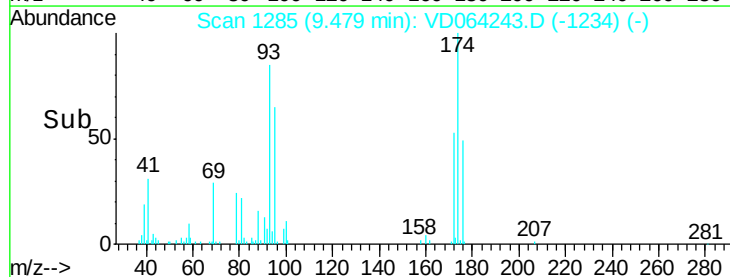
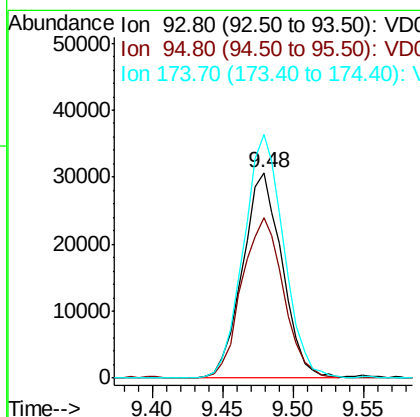
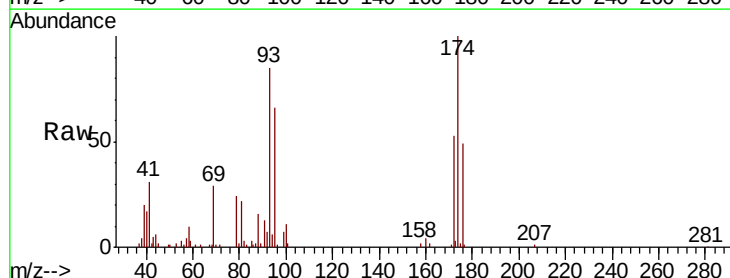
Manual Integrations
 APPROVED

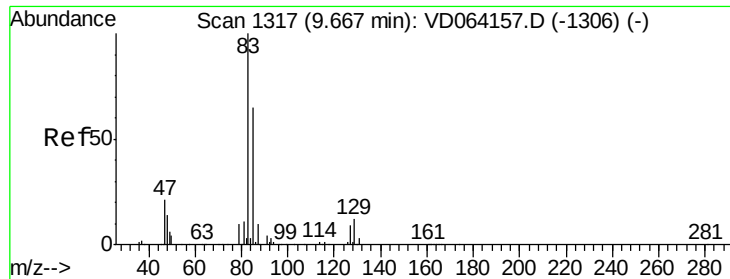
MMDADODA
 11/19/2019 12:22:35 PM



#46
 Dibromomethane
 Concen: 21.379 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.5	98.3
174	120.1	93.9	140.9





#47

Bromodichloromethane

Concen: 20.305 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

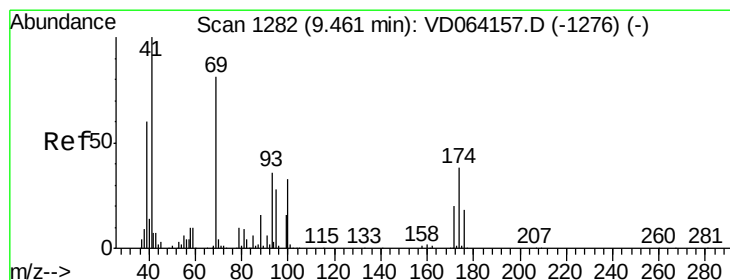
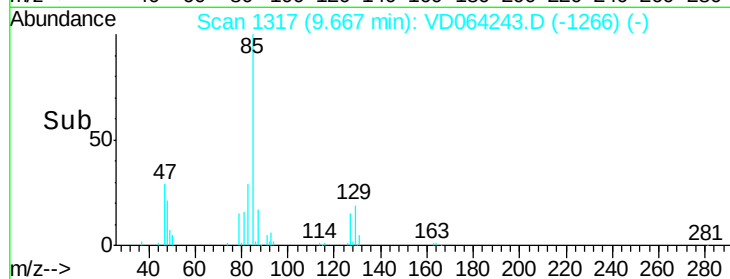
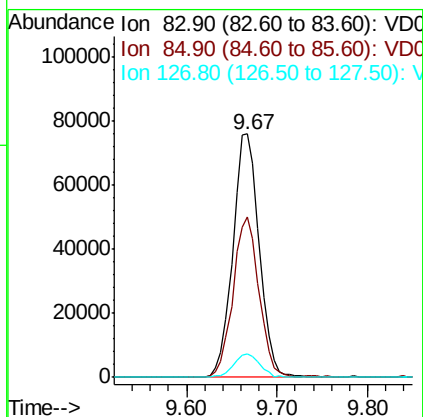
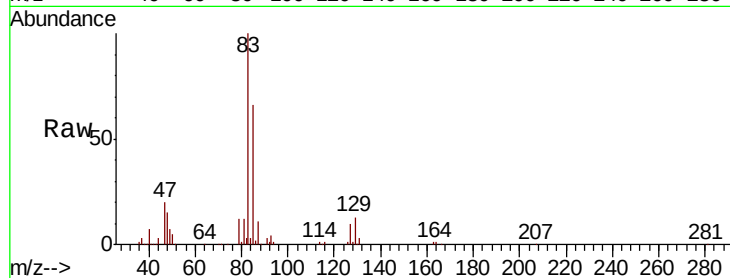
ClientSampleId :

VD1115SBS02

Tot Ion:	83	Resp:	154306
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4
127	9.9	7.5	11.3

Manual Integrations
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MMDADODA
11/19/2019 12:22:35 PM



#48

Methyl methacrylate

Concen: 19.100 ug/l

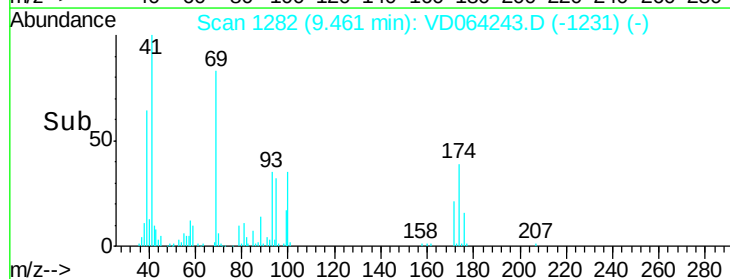
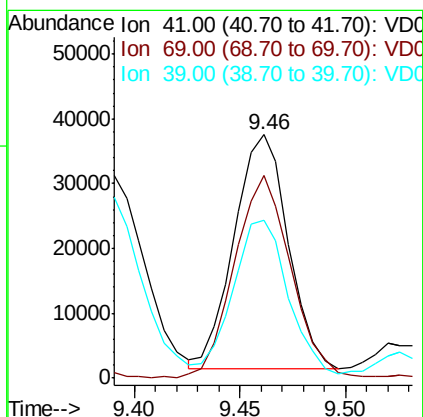
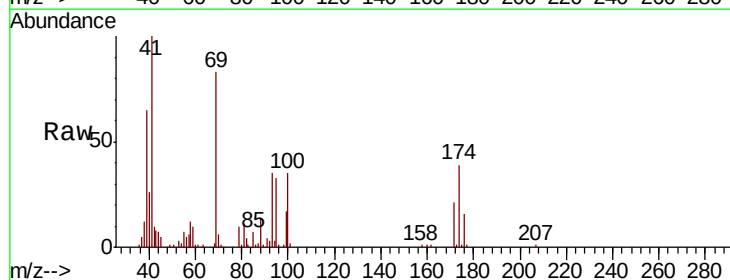
RT: 9.46 min Scan# 1282

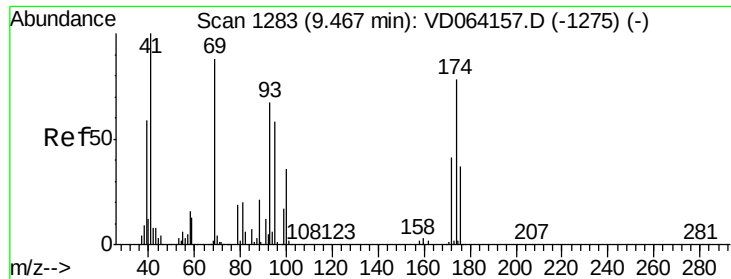
Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	41	Resp:	64267
Ion	Ratio	Lower	Upper
41	100		
69	90.5	64.6	97.0
39	70.6	48.2	72.2





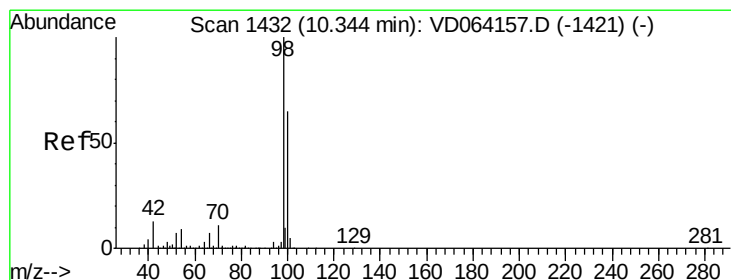
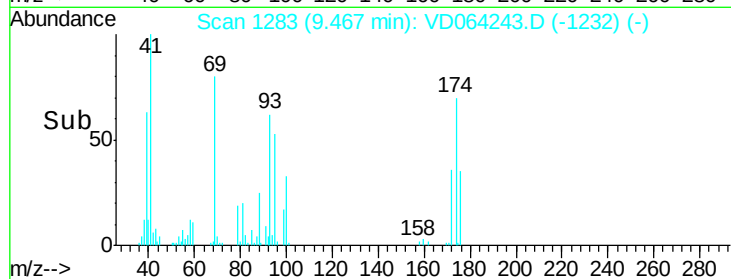
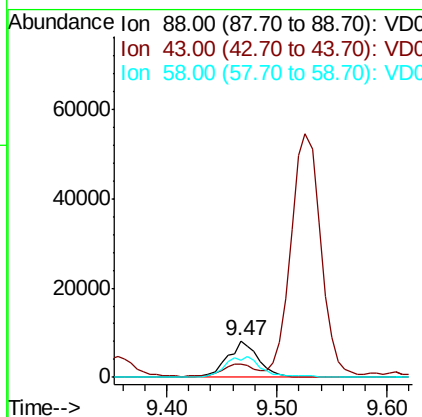
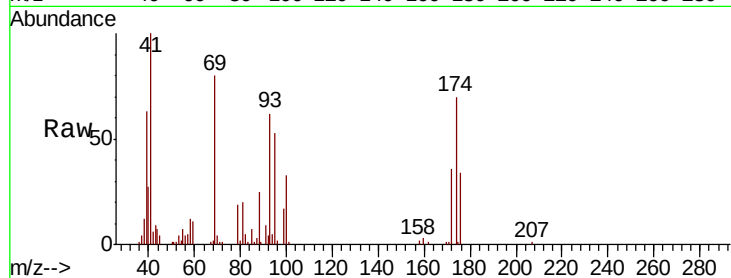
#49
1,4-Dioxane
Concen: 470.892 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	29.8	44.8
58	64.5	58.1	87.1

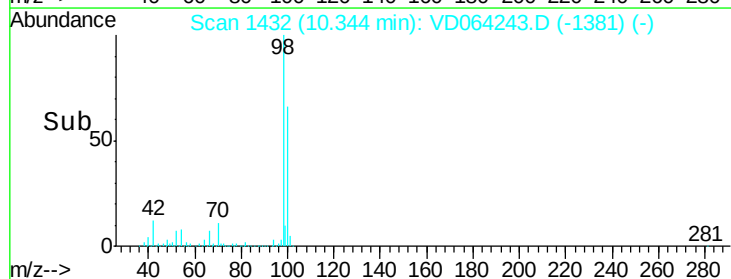
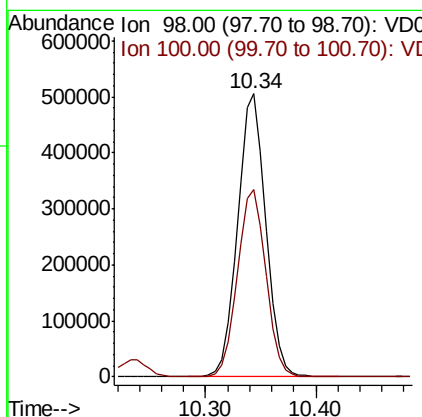
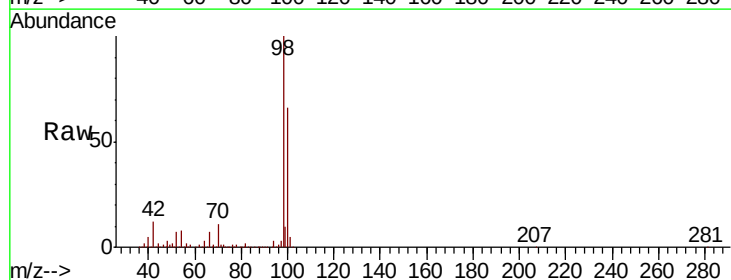
Manual Integrations
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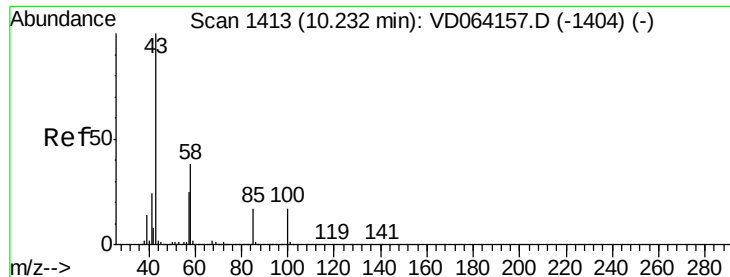
MMDADODA
11/19/2019 12:22:35 PM



#50
Toluene-d8
Concen: 48.779 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 104.183 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 43 Resp: 343785

Ion Ratio Lower Upper

43 100

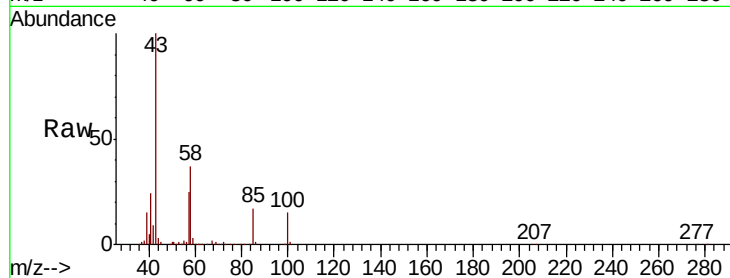
58 37.6 30.2 45.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

200000

150000

100000

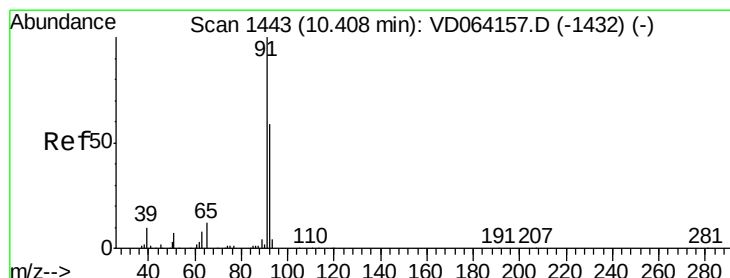
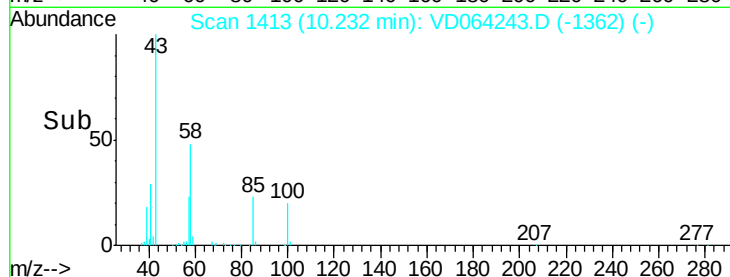
50000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 20.010 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064243.D

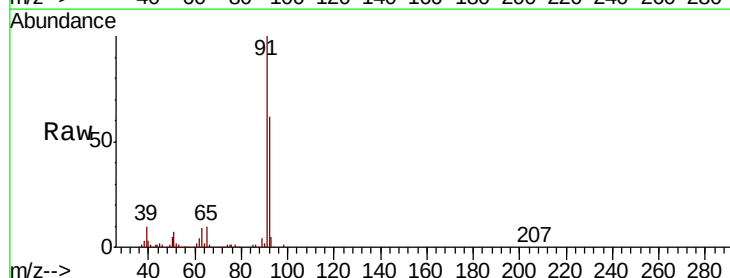
Acq: 16 Nov 2019 00:34

Tgt Ion: 92 Resp: 284880

Ion Ratio Lower Upper

92 100

91 166.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

100000

50000

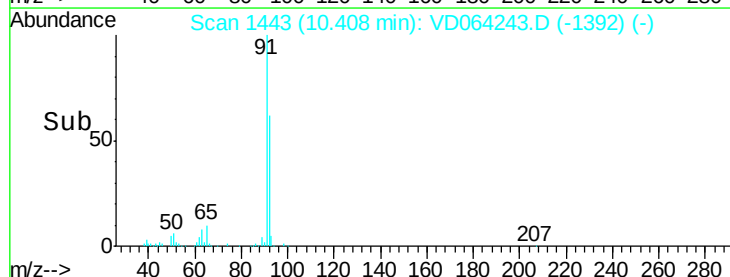
0

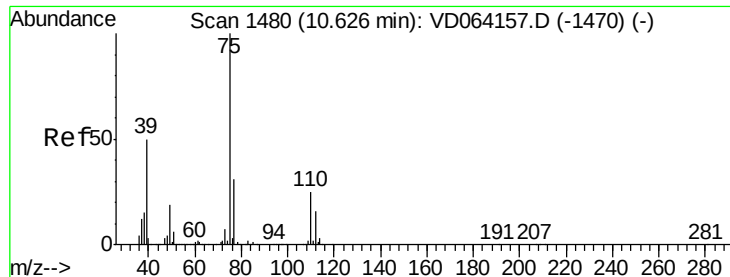
10.30

10.40

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.173 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 75 Resp: 145967

Ion Ratio Lower Upper

75 100

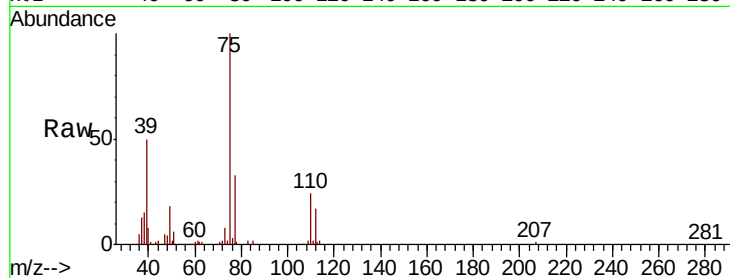
77 33.4 24.7 37.1

Manual Integrations

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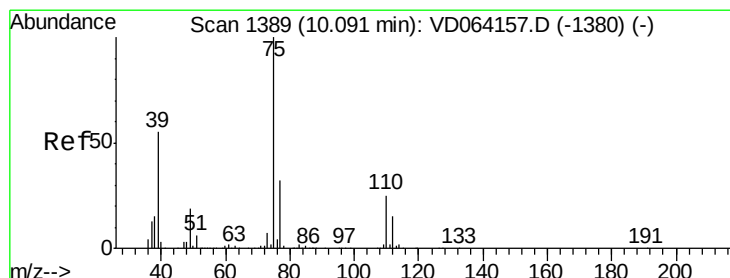
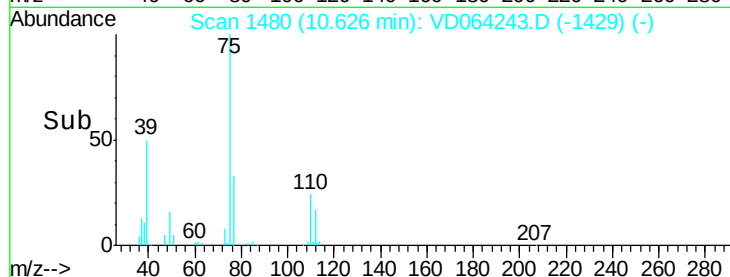
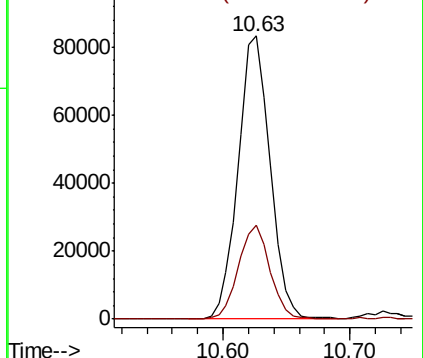
MMDADODA

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.405 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

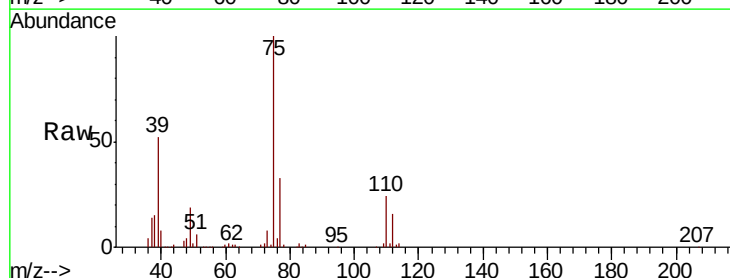
Tgt Ion: 75 Resp: 172398

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

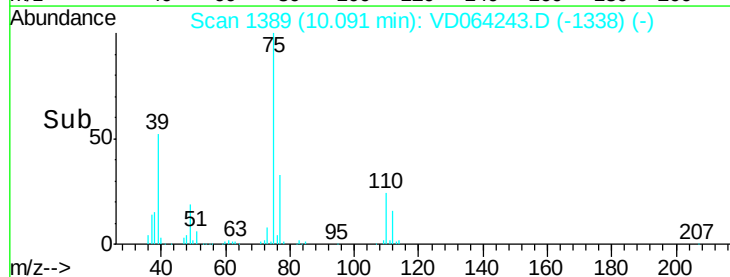
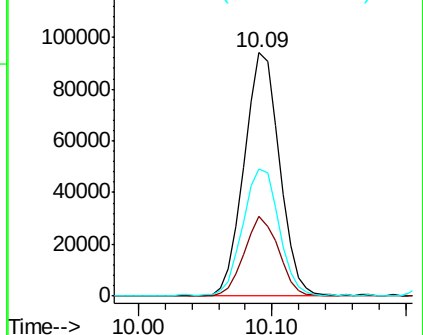
39 52.2 44.2 66.2

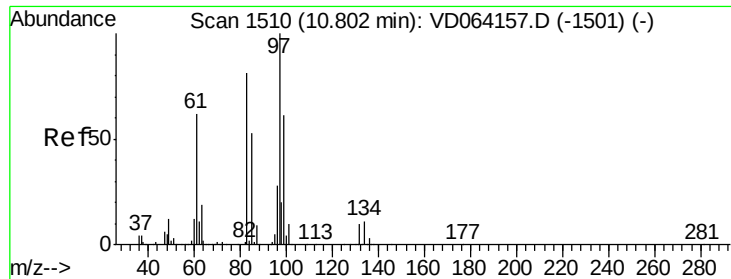


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





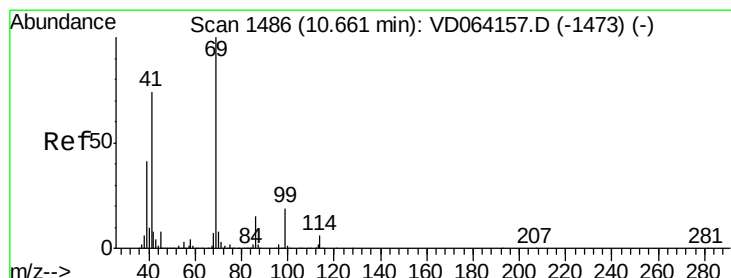
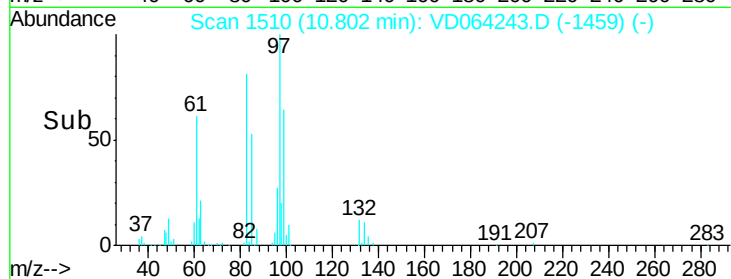
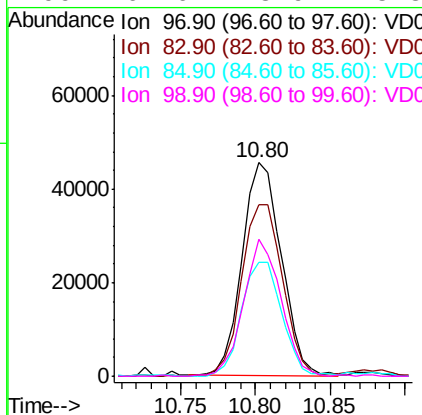
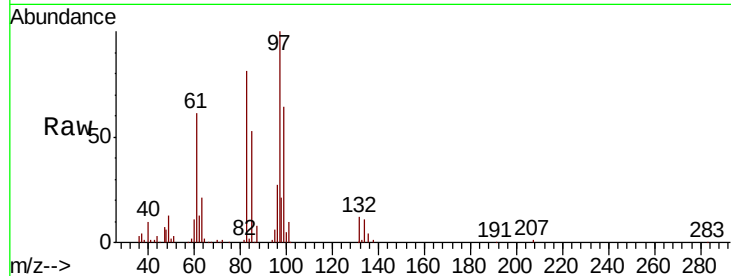
#55
 1,1,2-Trichloroethane
 Concen: 21.672 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion:	97	Resp:	82943
Ion	Ratio	Lower	Upper
97	100		
83	80.9	65.1	97.7
85	53.7	42.0	63.0
99	64.6	48.9	73.3

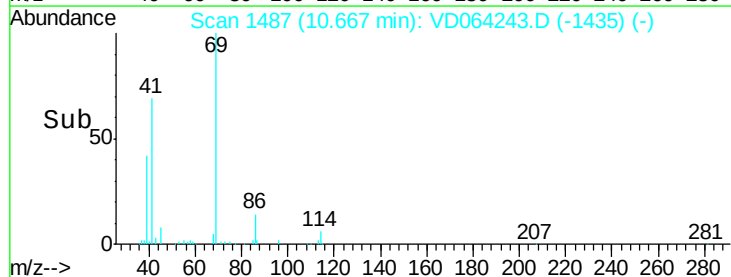
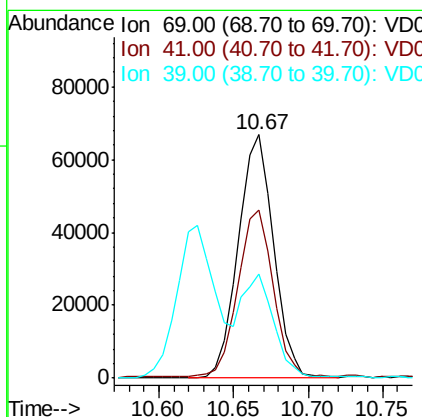
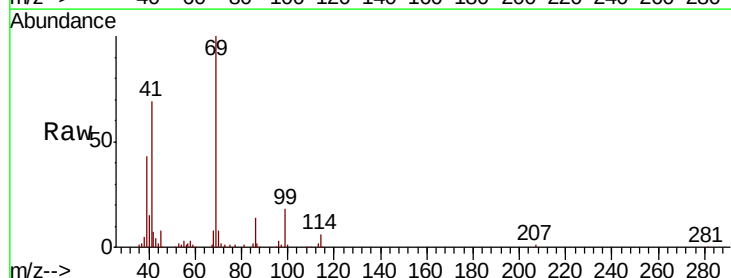
Manual Integrations
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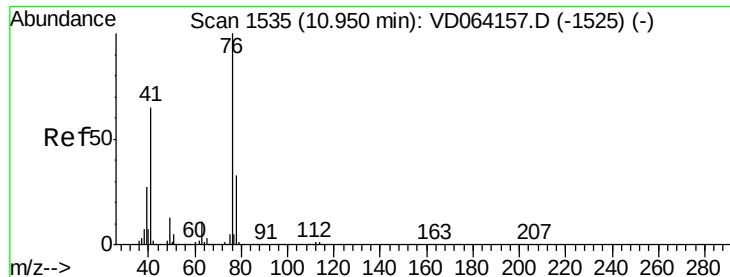
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 11/19/2019 12:22:35 PM



#56
 Ethyl methacrylate
 Concen: 20.612 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion:	69	Resp:	110348
Ion	Ratio	Lower	Upper
69	100		
41	67.9	57.9	86.9
39	37.5	29.0	43.4





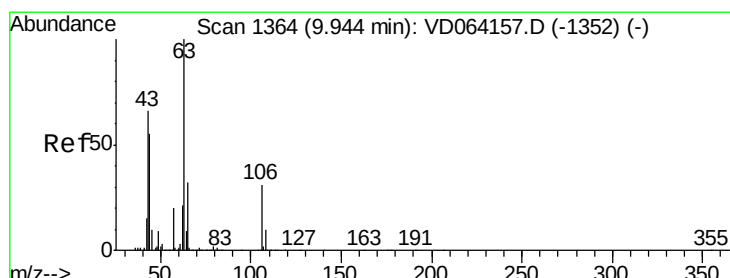
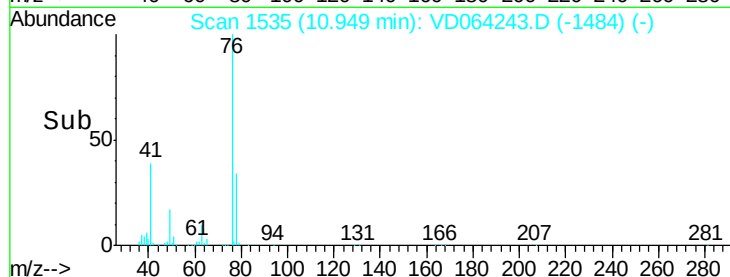
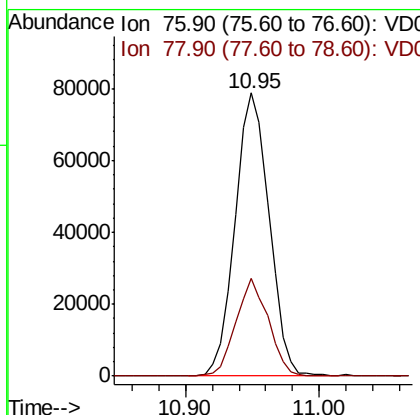
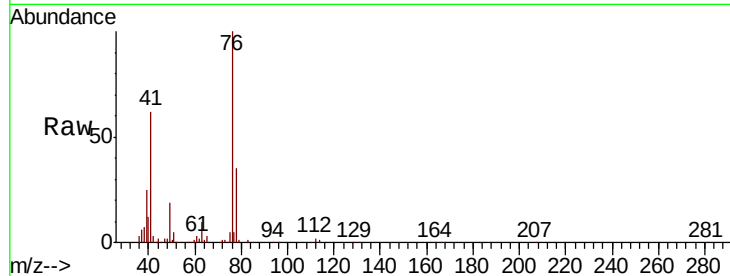
#57
 1,3-Dichloropropane
 Concen: 20.918 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBSD02

Tot Ion: 76 Resp: 139619
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4

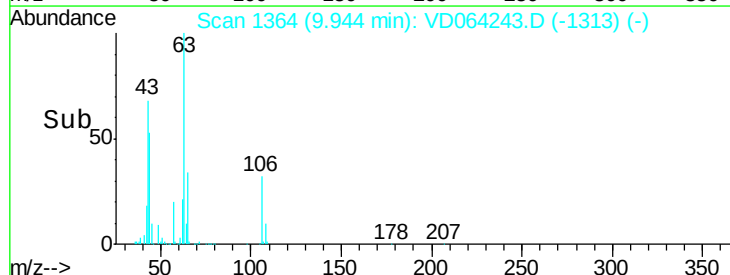
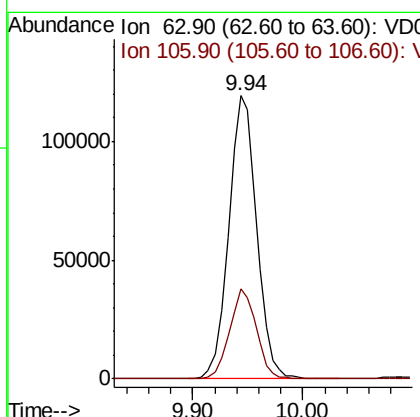
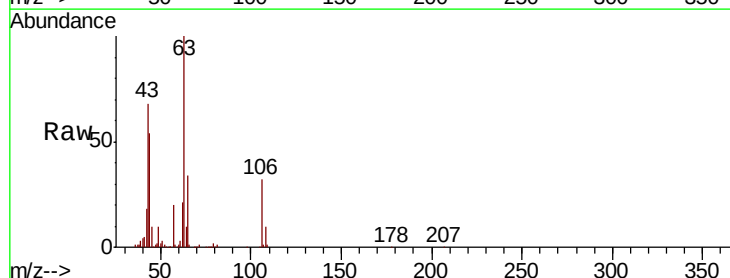
Manual Integrations
 APPROVED

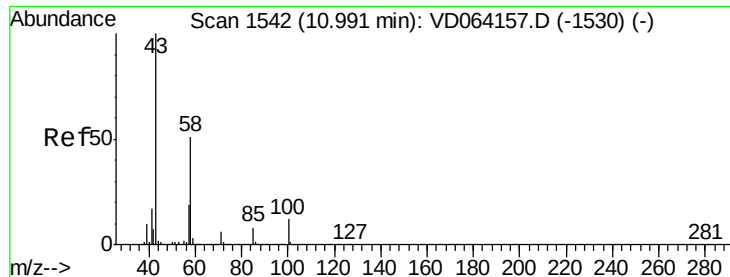
MMDADODA
 11/19/2019 12:22:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.174 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion: 63 Resp: 210737
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1





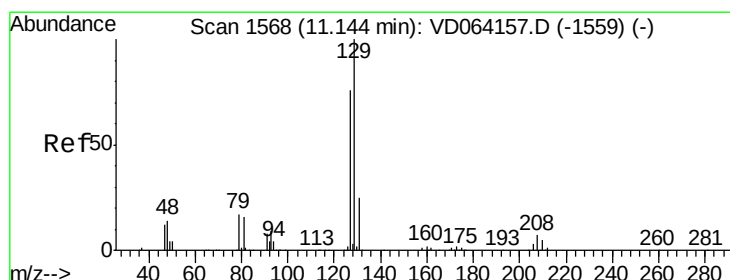
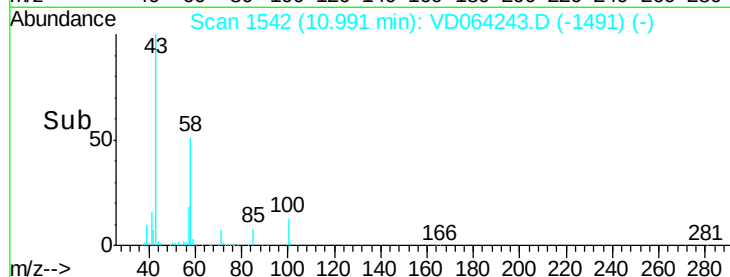
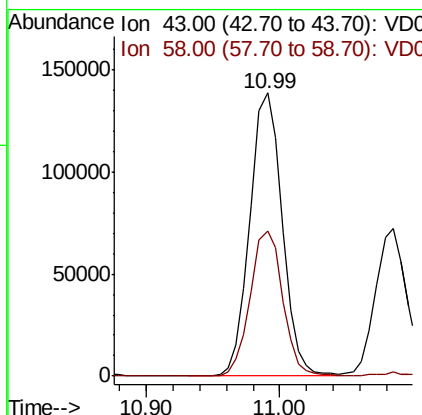
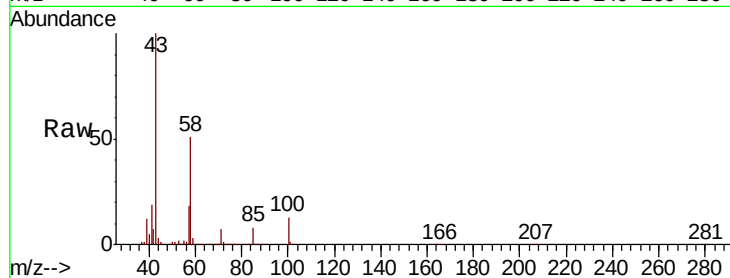
#59
2-Hexanone
Concen: 99.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion: 43 Resp: 232585
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

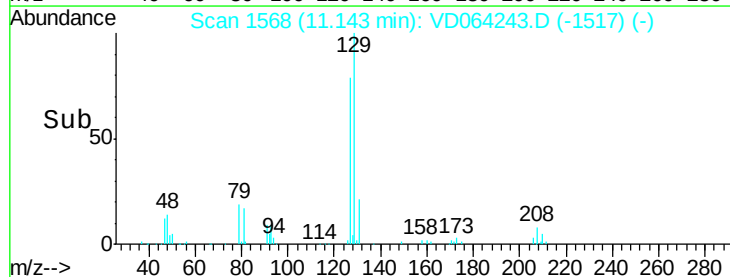
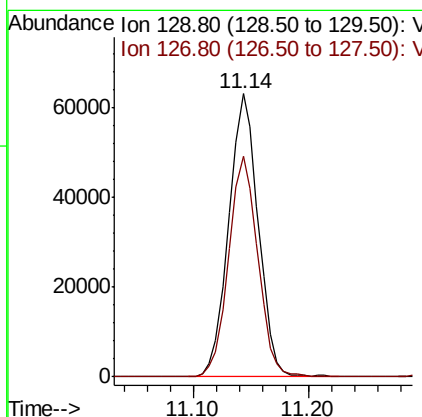
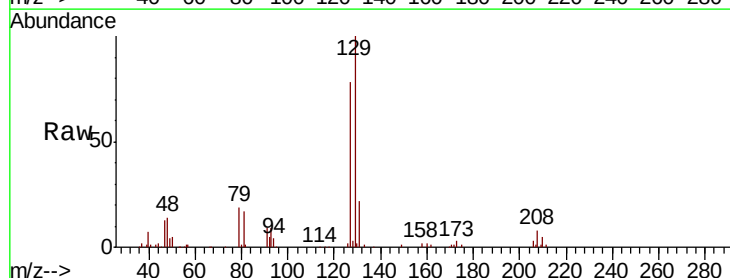
Manual Integrations
APPROVED

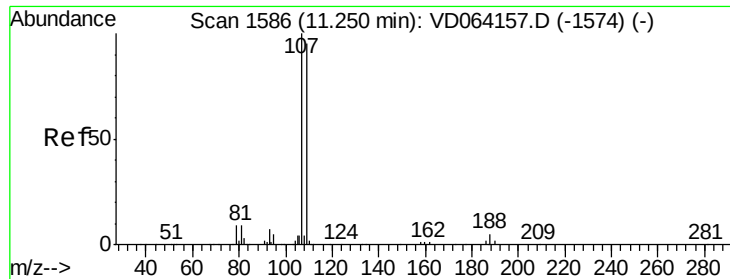
MMDADODA
11/19/2019 12:22:35 PM



#60
Dibromochloromethane
Concen: 20.887 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion: 129 Resp: 111545
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.874 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 107 Resp: 80016

Ion Ratio Lower Upper

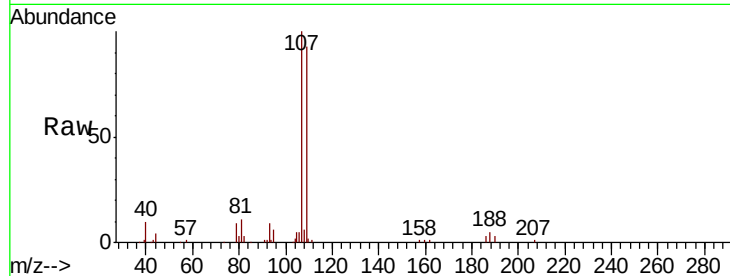
107 100

109 95.7 75.1 112.7

Manual Integrations
APPROVED

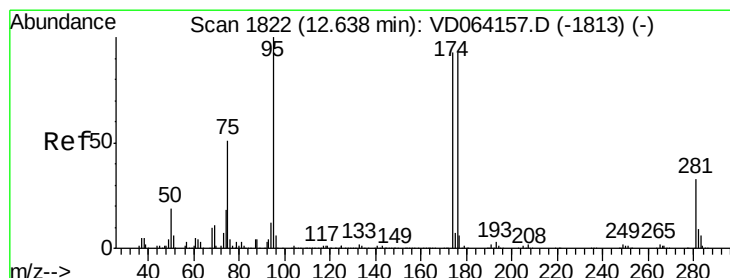
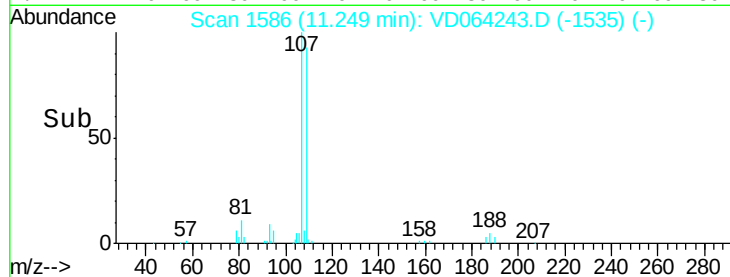
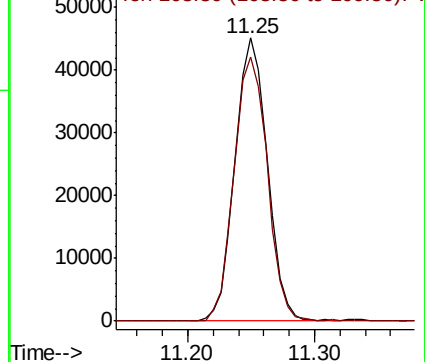
MMDADODA

11/19/2019 12:22:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.158 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

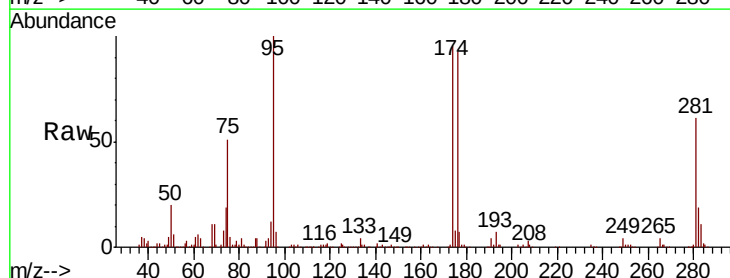
Tgt Ion: 95 Resp: 309987

Ion Ratio Lower Upper

95 100

174 96.9 0.0 183.6

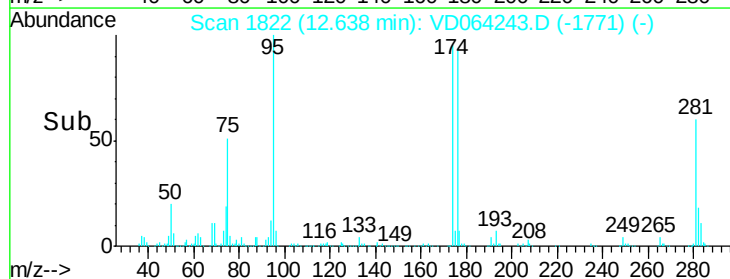
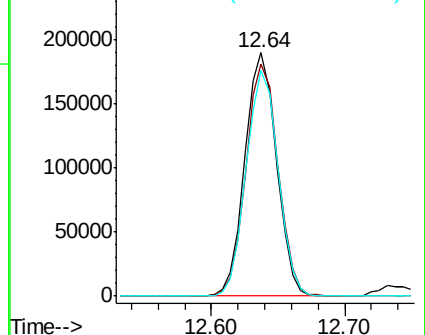
176 93.7 0.0 180.2

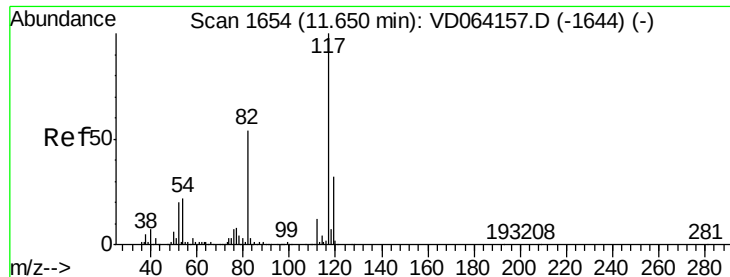


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





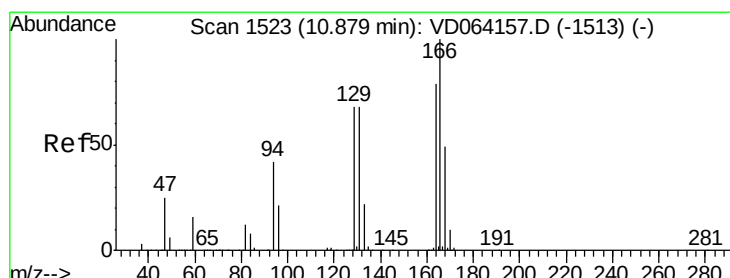
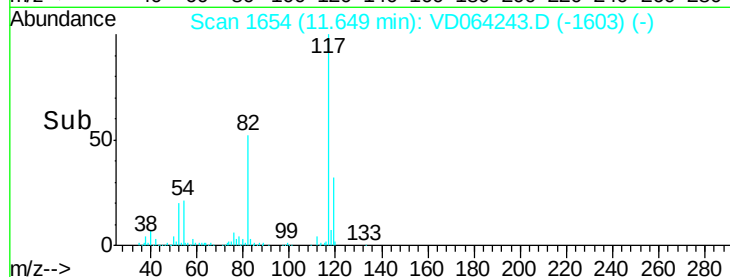
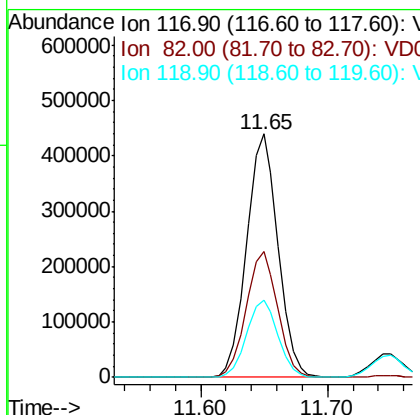
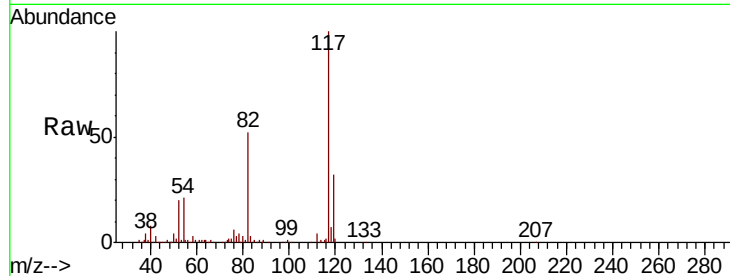
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	755357		
82	51.8		42.8	64.2
119	31.8		25.6	38.4

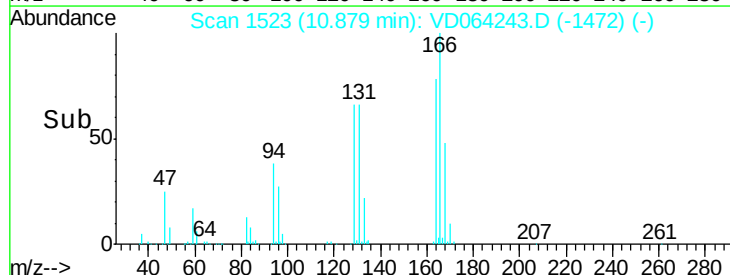
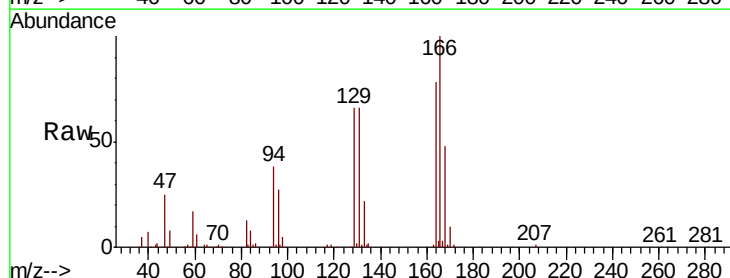
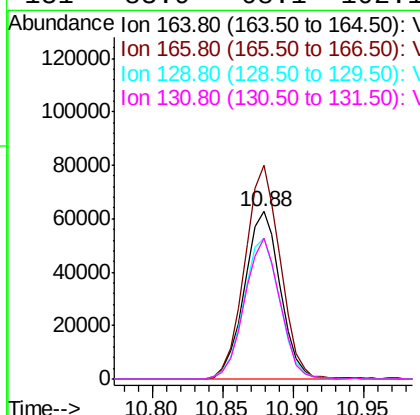
Manual Integrations
APPROVED

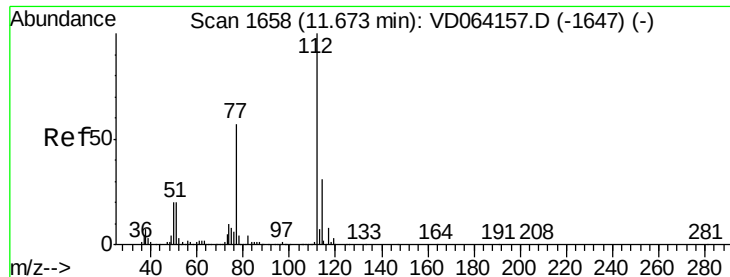
MMDADODA
11/19/2019 12:22:35 PM



#64
Tetrachloroethene
Concen: 19.219 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111650		
166	127.4		100.8	151.2
129	83.9		68.7	103.1
131	83.9		68.1	102.1





#65

Chlorobenzene

Concen: 19.675 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion:112 Resp: 302213

Ion Ratio Lower Upper

112 100

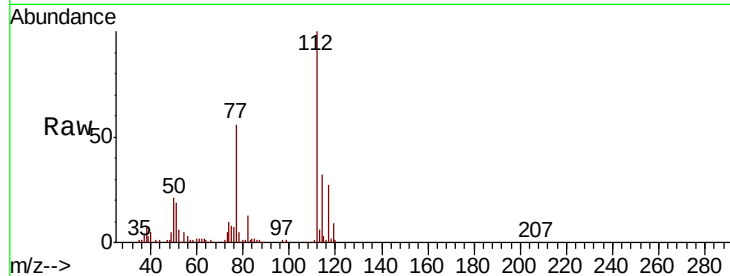
114 31.6 25.2 37.8

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:22:35 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

200000

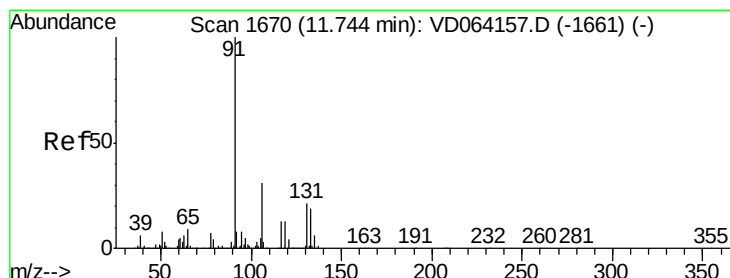
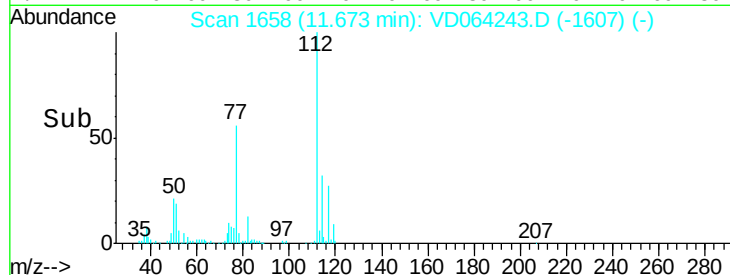
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.024 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

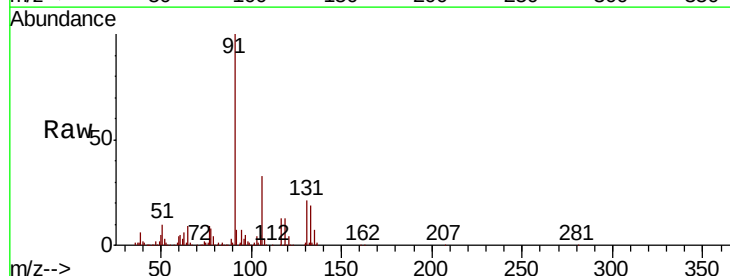
Tgt Ion:131 Resp: 116950

Ion Ratio Lower Upper

131 100

133 93.9 47.3 141.9

119 62.0 31.1 93.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

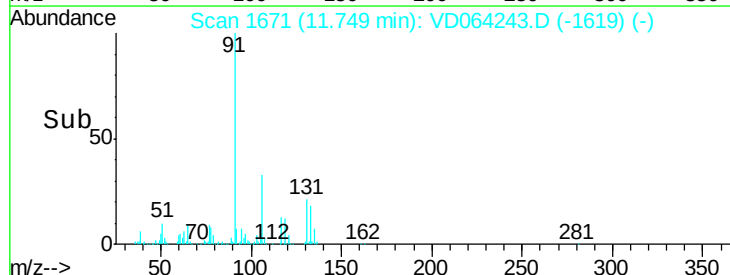
150000

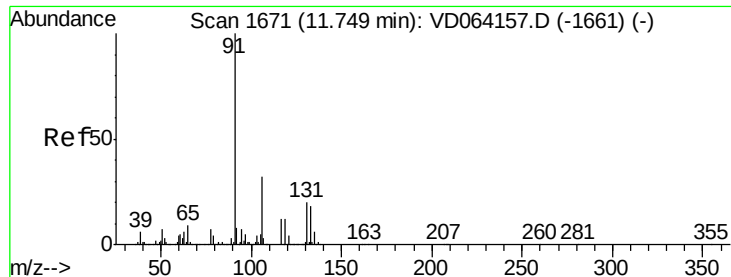
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.275 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 91 Resp: 53528

Ion Ratio Lower Upper

91 100

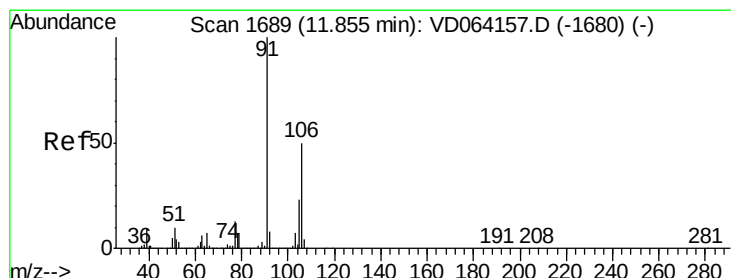
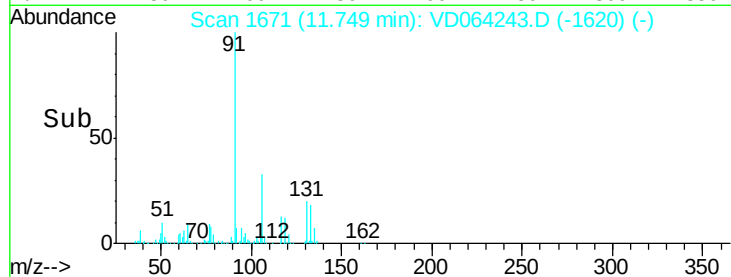
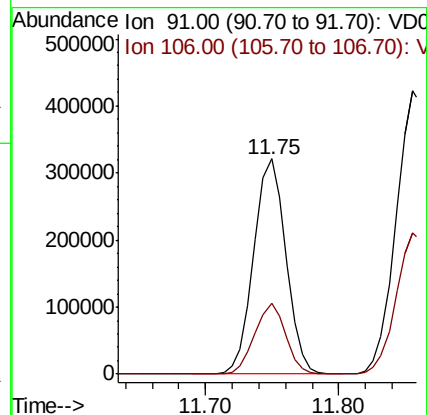
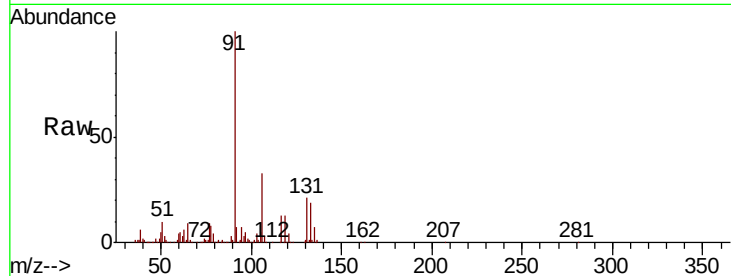
106 32.8 25.5 38.3

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:22:35 PM



#68

m/p-Xylenes

Concen: 38.663 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064243.D

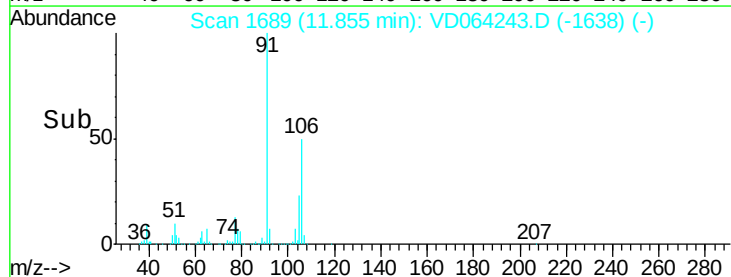
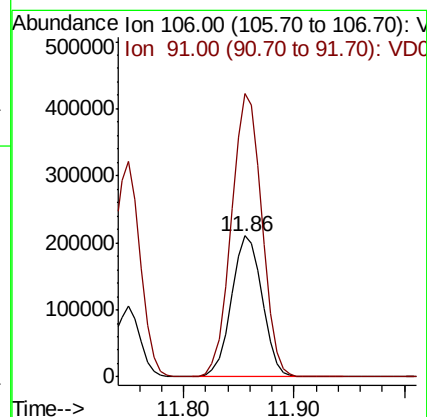
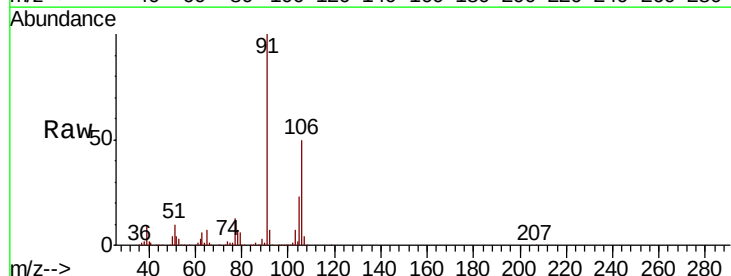
Acq: 16 Nov 2019 00:34

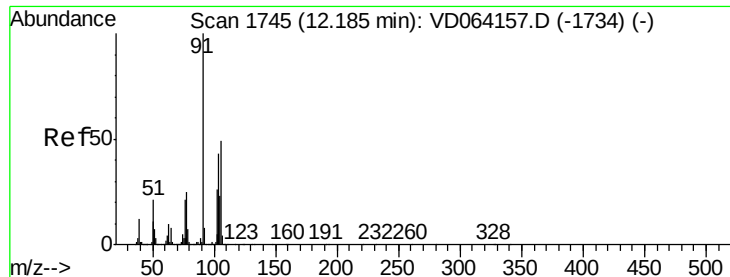
Tgt Ion: 106 Resp: 411743

Ion Ratio Lower Upper

106 100

91 199.0 160.3 240.5





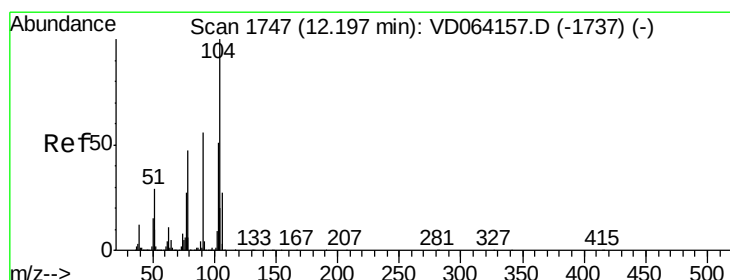
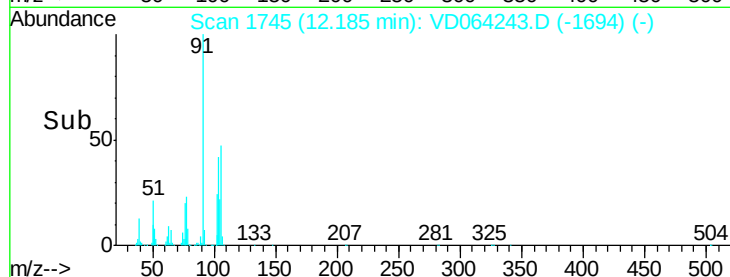
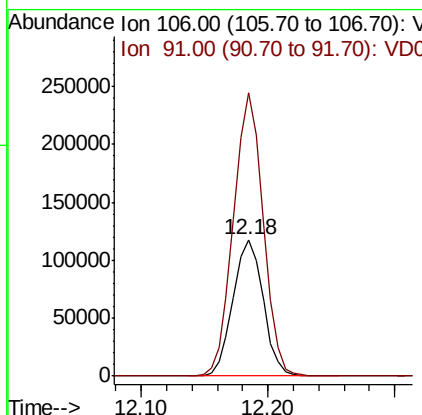
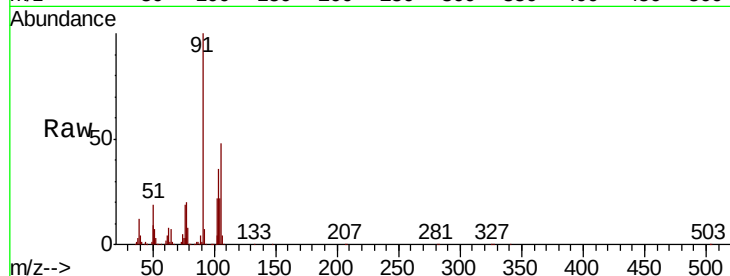
#69
o-Xylene
Concen: 19.665 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.3	105.1	315.3

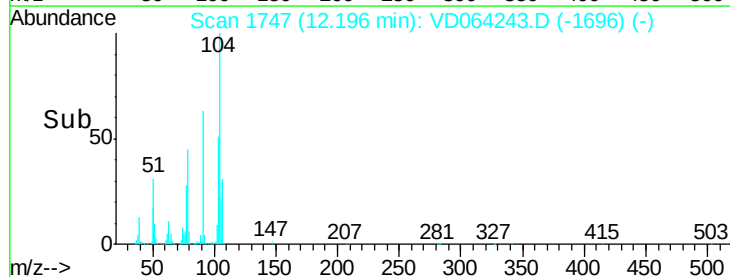
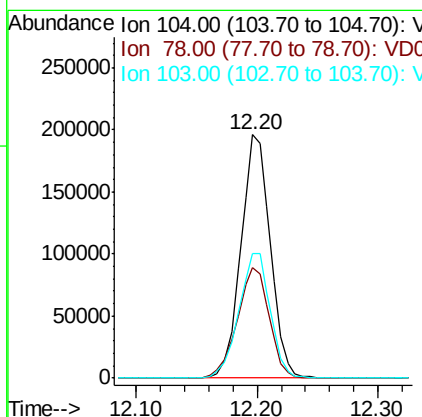
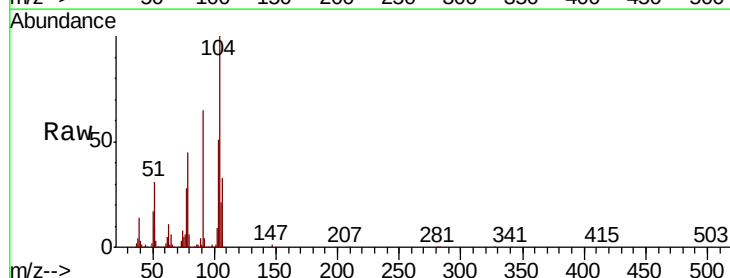
Manual Integrations
APPROVED

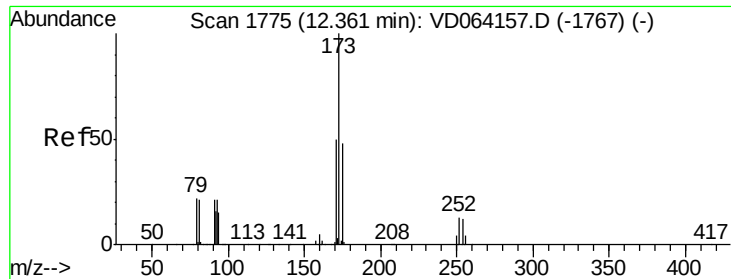
MMDADODA
11/19/2019 12:22:35 PM



#70
Styrene
Concen: 19.287 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.9	59.9
103	54.9	43.4	65.0





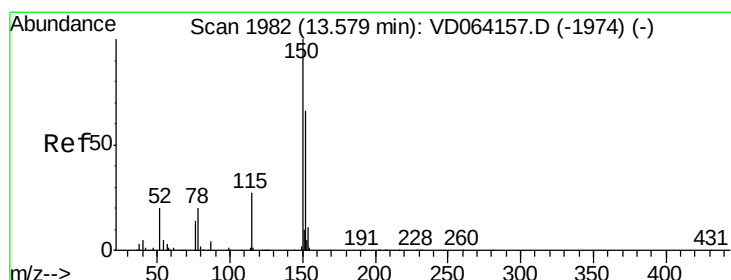
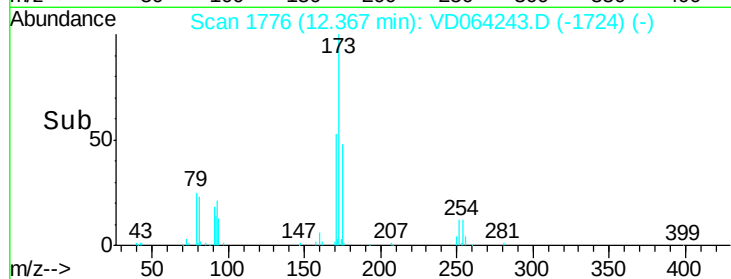
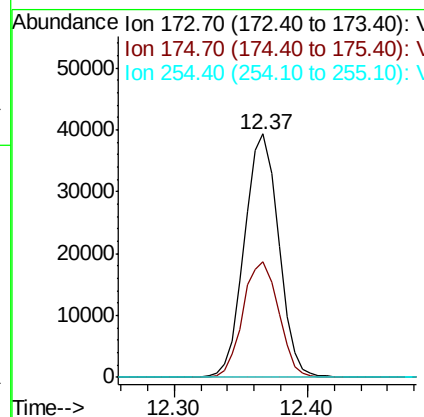
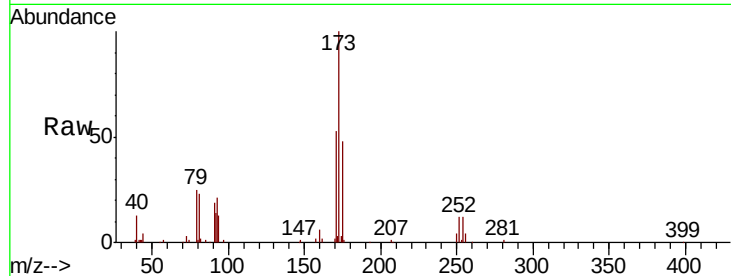
#71
Bromoform
Concen: 20.964 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.3
254	0.0	0.2	0.2

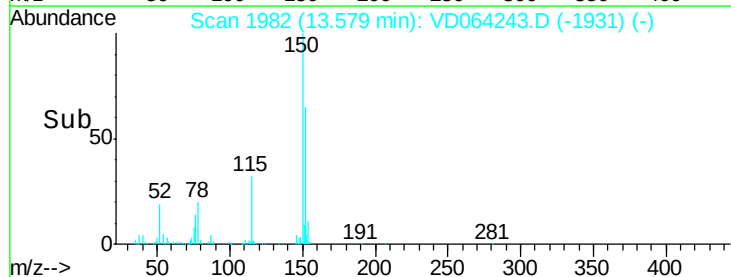
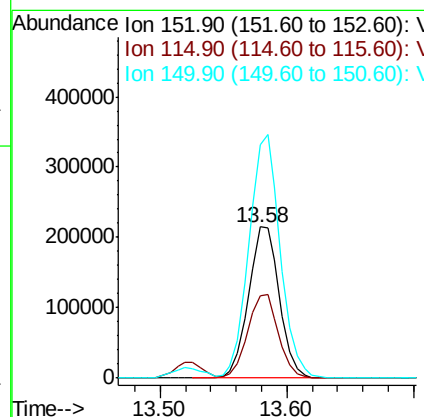
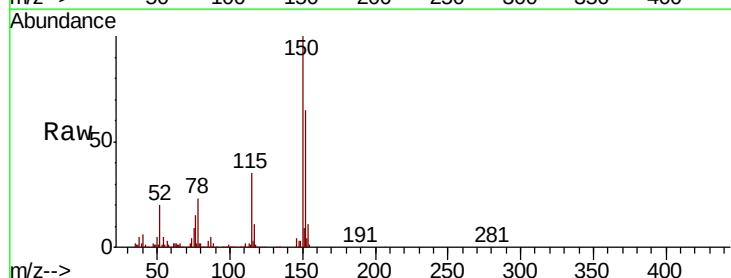
Manual Integrations
APPROVED

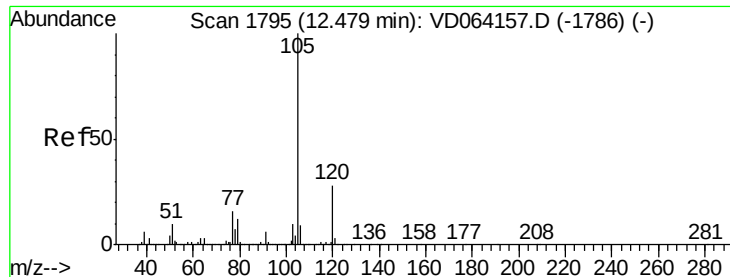
MMDADODA
11/19/2019 12:22:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.4	82.2
150	164.0	0.0	351.6





#73

Isopropylbenzene

Concen: 19.414 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 105 Resp: 515194

Ion Ratio Lower Upper

105 100

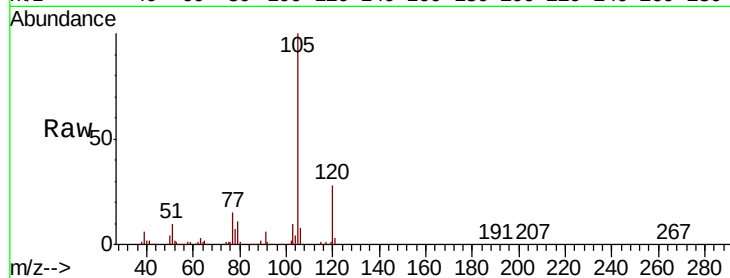
120 28.0 13.6 40.8

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:22:35 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

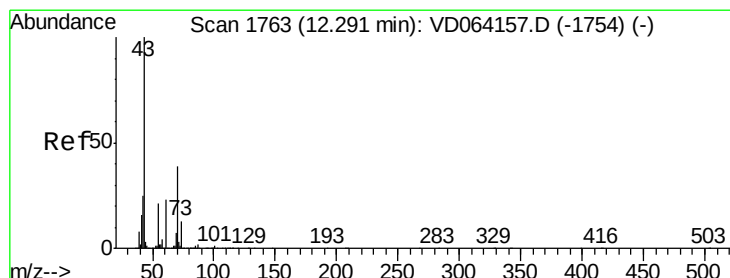
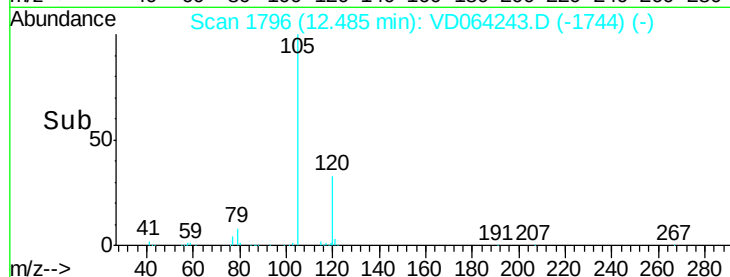
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.987 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion: 43 Resp: 125250

Ion Ratio Lower Upper

43 100

70 41.0 32.4 48.6

55 22.4 17.9 26.9

61 24.0 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

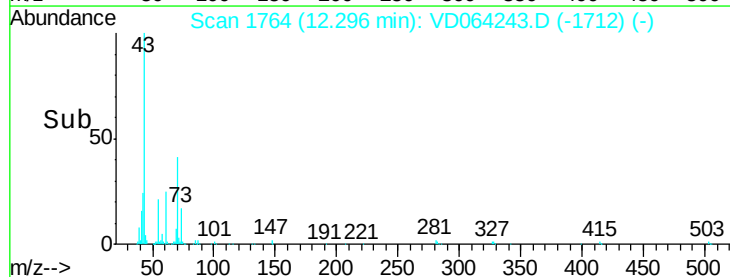
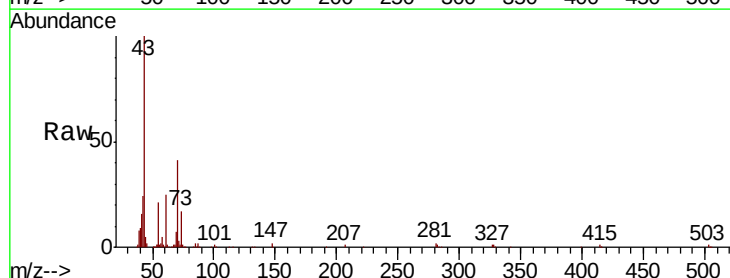
60000

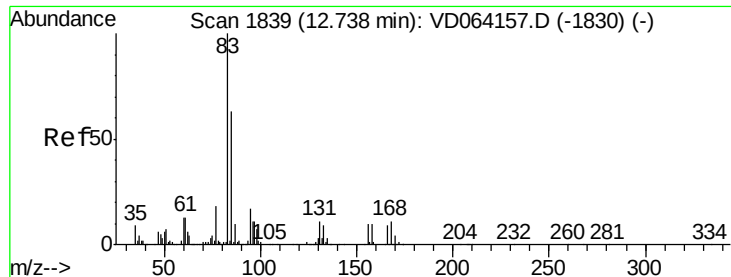
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.693 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

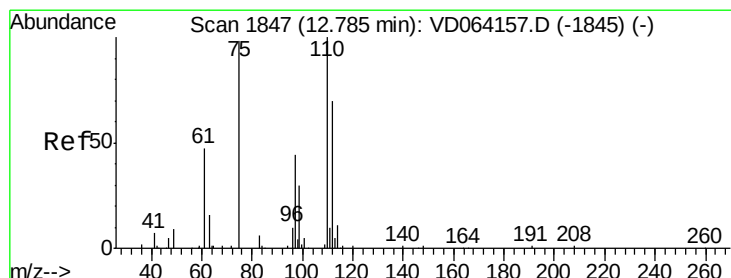
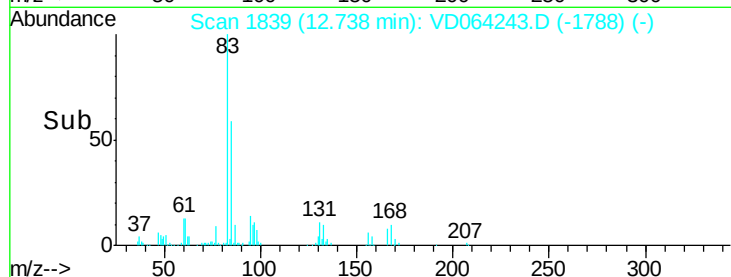
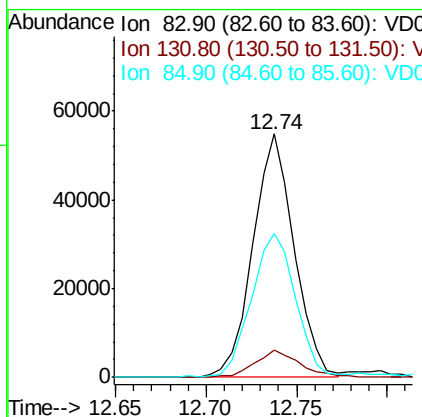
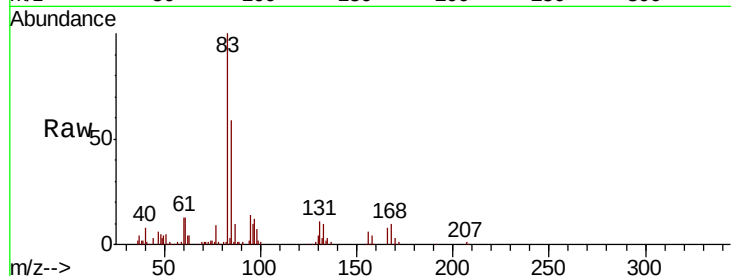
ClientSampleId :

VD1115SBS02

Tot Ion:	83	Resp:	86741
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.9	17.7
85	63.5	32.5	97.5

Manual Integrations
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MMDADODA
11/19/2019 12:22:35 PM



#76

1,2,3-Trichloropropane

Concen: 19.163 ug/l m

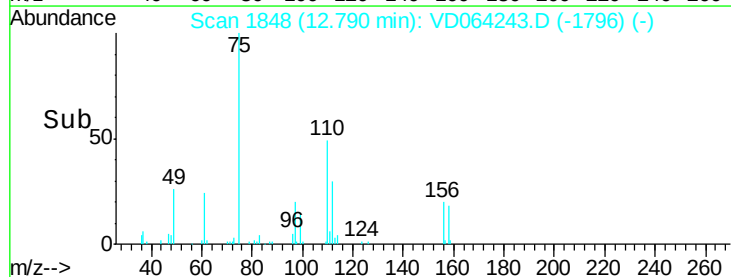
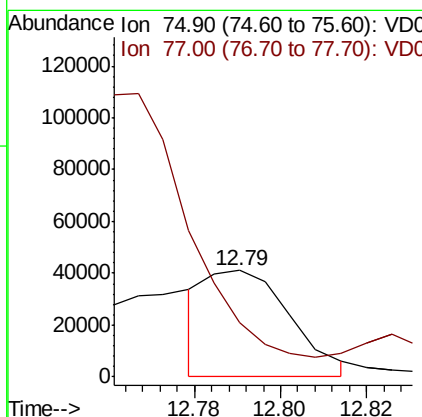
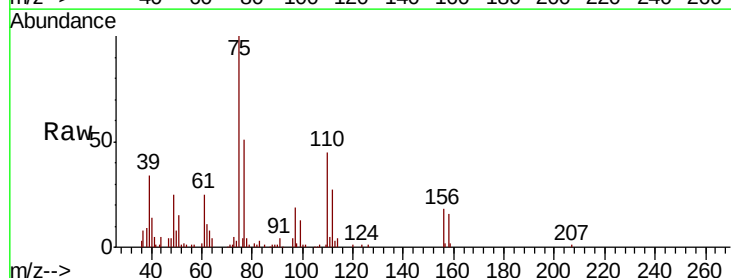
RT: 12.79 min Scan# 1848

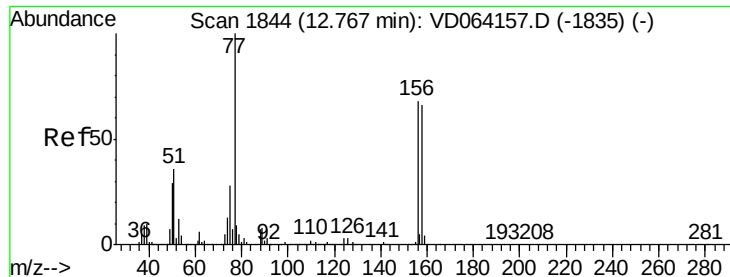
Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	75	Resp:	55804
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.070 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

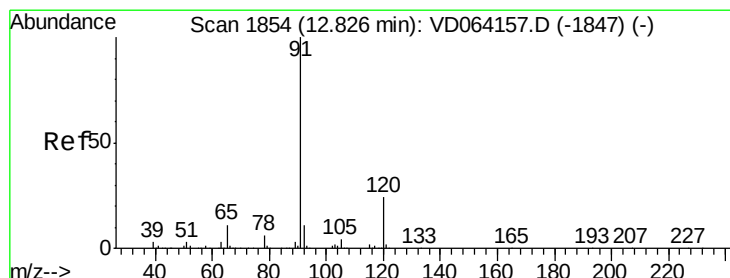
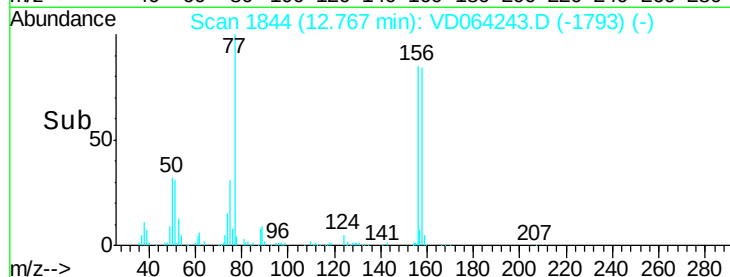
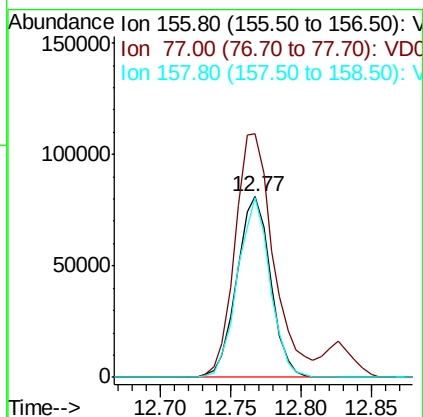
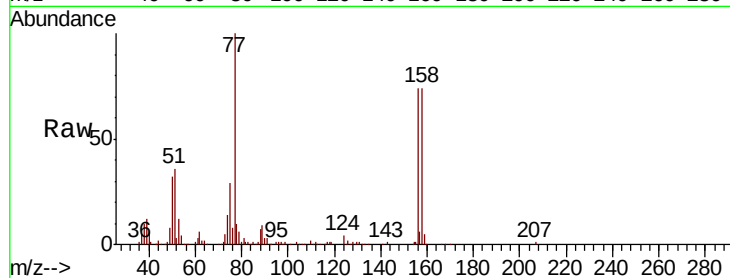
ClientSampleId :

VD1115SBS02

Tot Ion:	156	Resp:	135841
Ion Ratio	Lower	Upper	
156	100		
77	153.9	81.2	243.4
158	95.4	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.491 ug/l

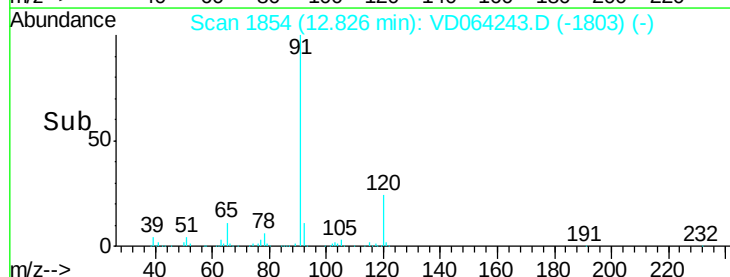
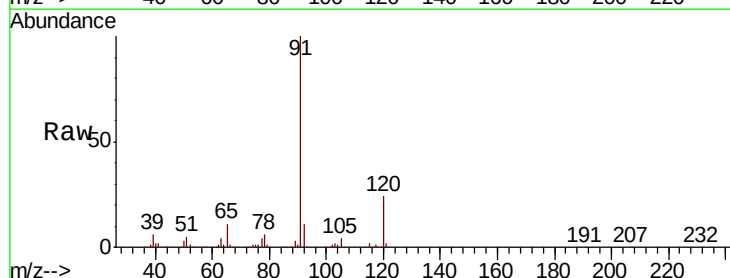
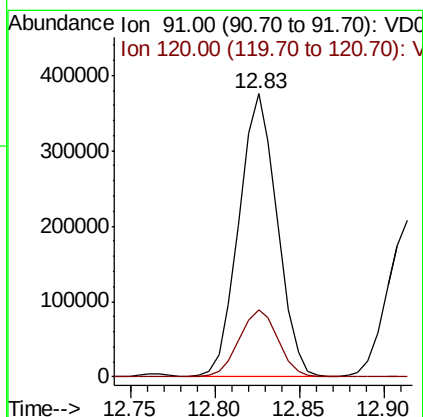
RT: 12.83 min Scan# 1854

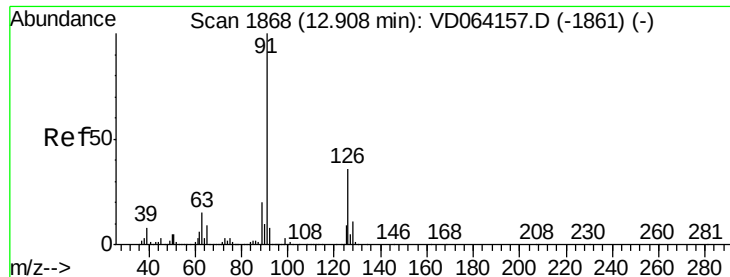
Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	91	Resp:	590940
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.225 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115SBS02

Tot Ion: 91 Resp: 329087

Ion Ratio Lower Upper

91 100

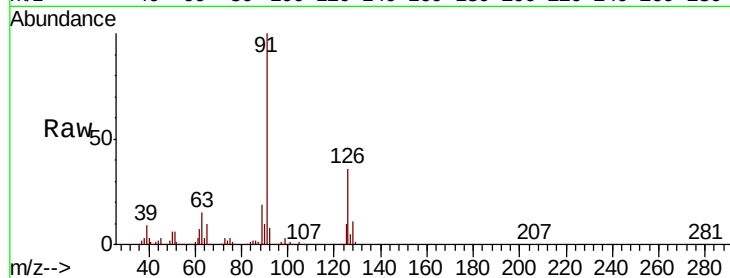
126 37.0 17.7 53.1

Manual Integrations

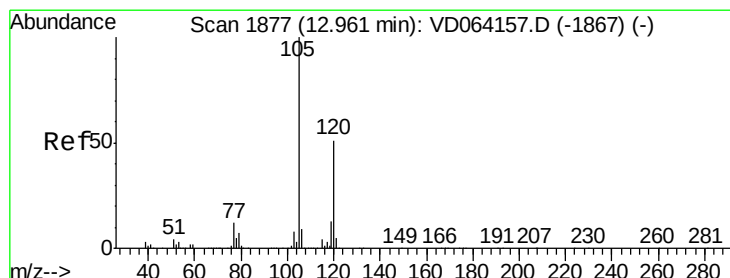
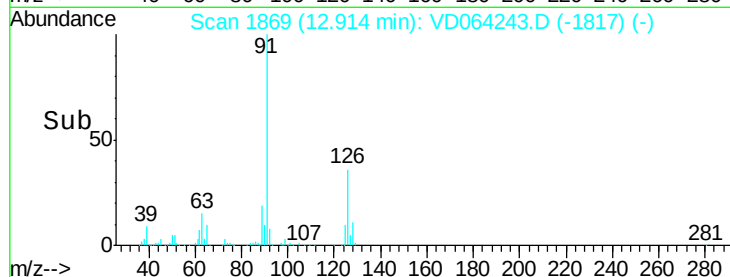
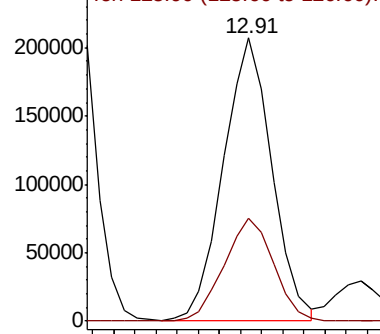
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.411 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064243.D

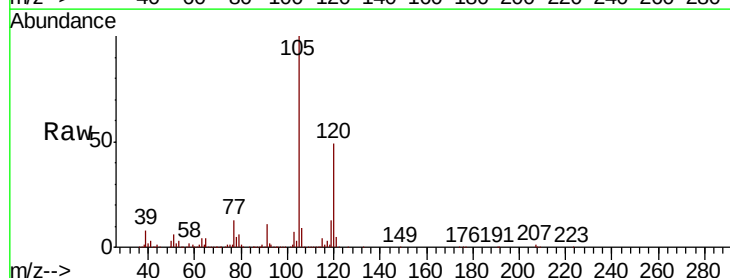
Acq: 16 Nov 2019 00:34

Tgt Ion: 105 Resp: 423262

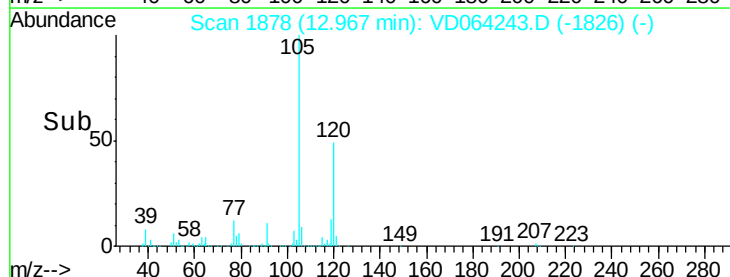
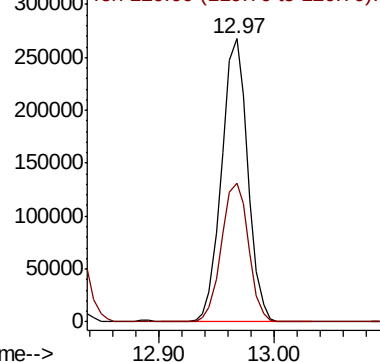
Ion Ratio Lower Upper

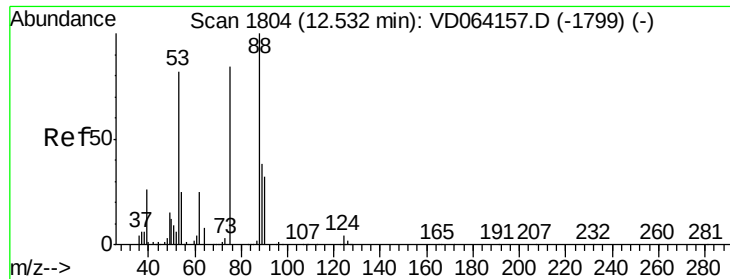
105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





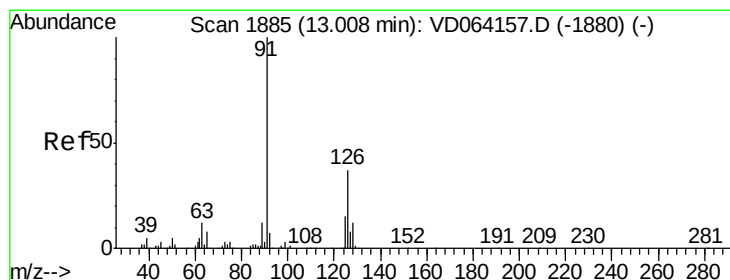
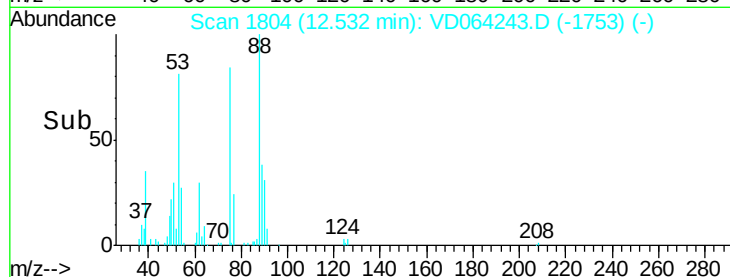
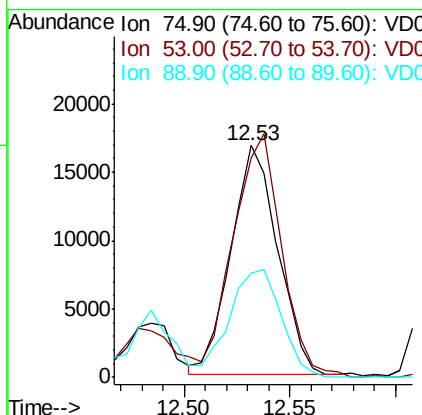
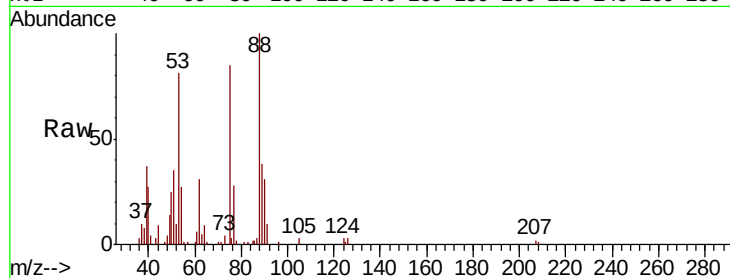
#81
trans-1,4-Dichloro-2-butene
Concen: 17.558 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	79.4	119.0
89	52.9	36.6	55.0

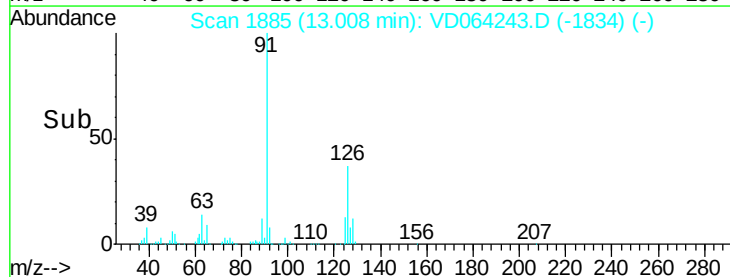
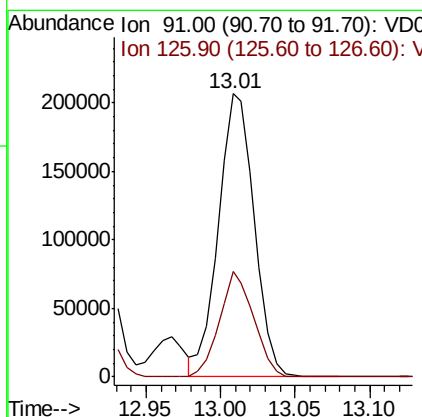
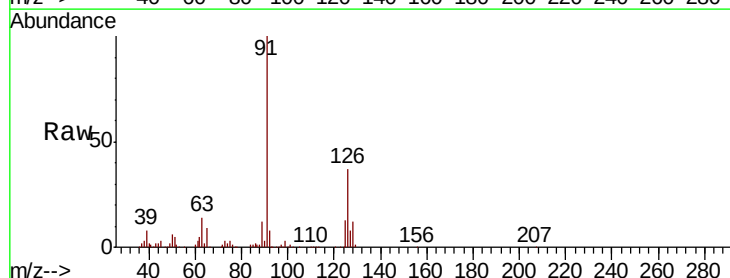
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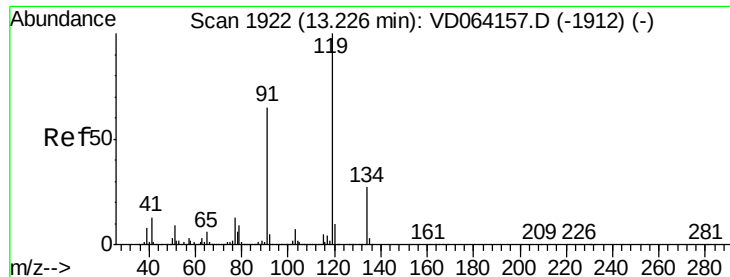
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#82
4-Chlorotoluene
Concen: 19.366 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.4





#83

tert-Butylbenzene

Concen: 19.450 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Instrument :

MSVOA_D

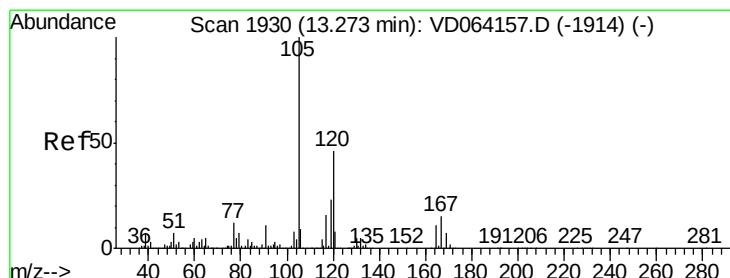
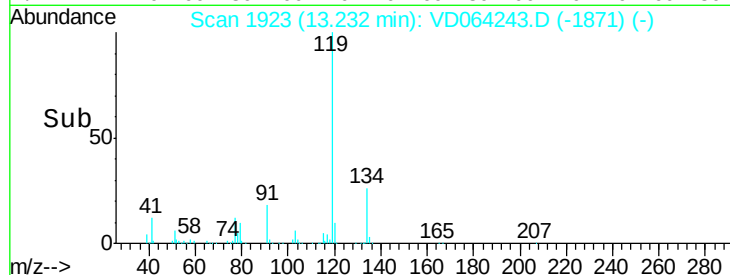
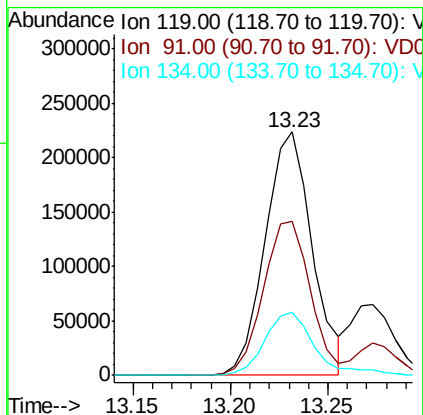
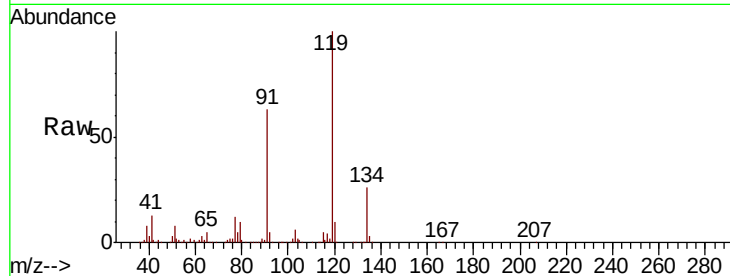
ClientSampleId :

VD1115SBS02

Tot Ion:	119	Resp:	373983
Ion Ratio	Lower	Upper	
119	100		
91	63.1	31.8	95.4
134	27.7	13.7	41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.339 ug/l

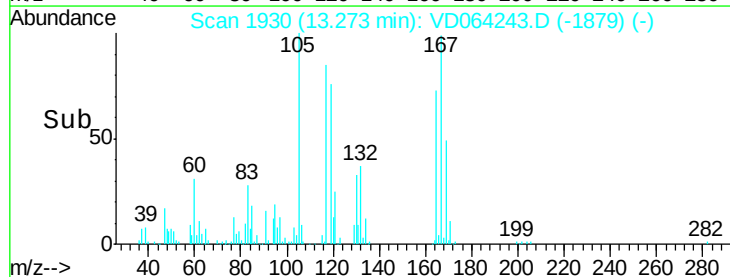
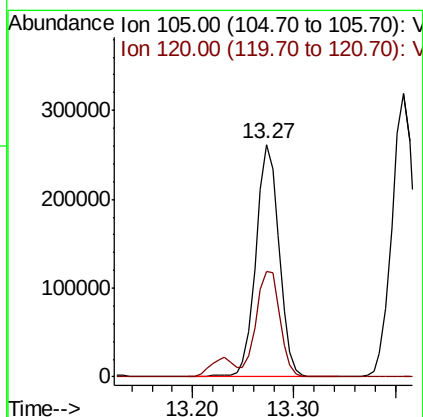
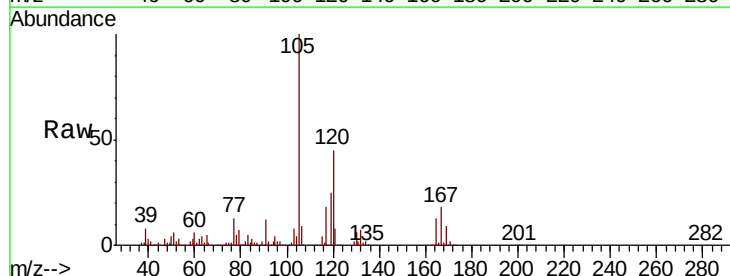
RT: 13.27 min Scan# 1930

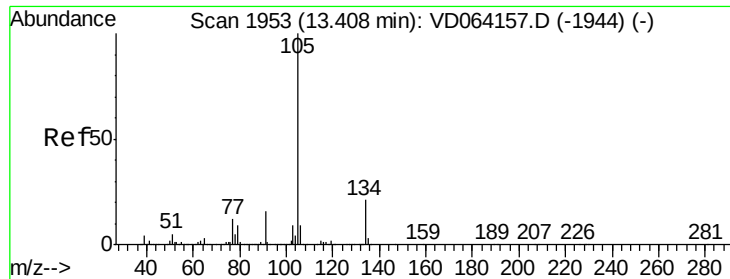
Delta R.T. -0.00 min

Lab File: VD064243.D

Acq: 16 Nov 2019 00:34

Tgt Ion:	105	Resp:	416322
Ion Ratio	Lower	Upper	
105	100		
120	47.6	23.3	69.8





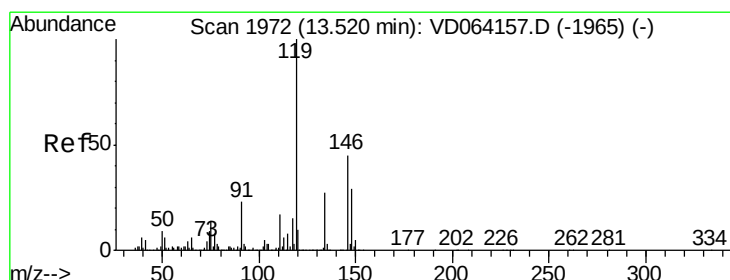
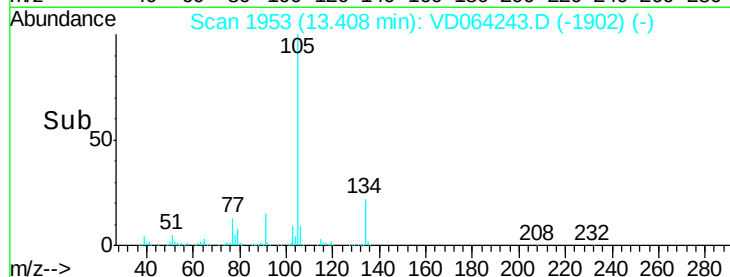
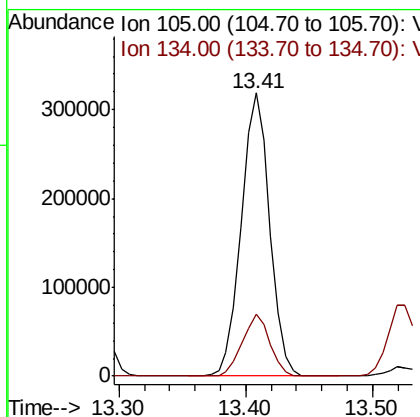
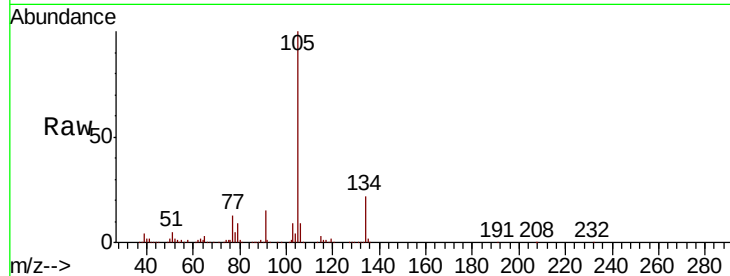
#85
 sec-Butylbenzene
 Concen: 19.092 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	31.9

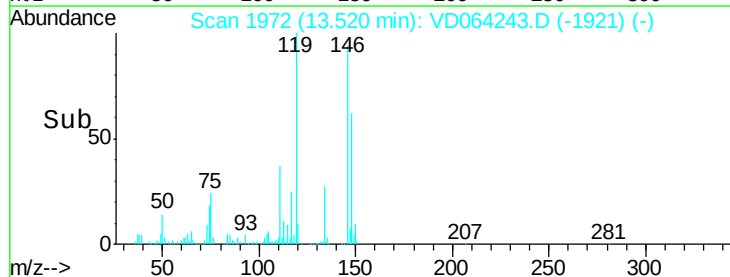
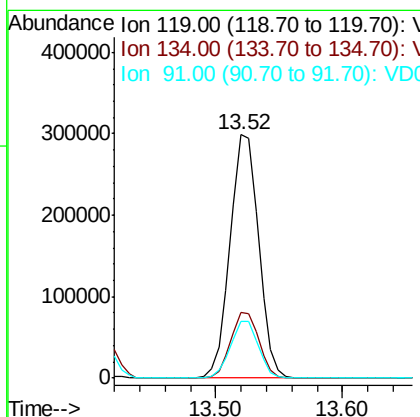
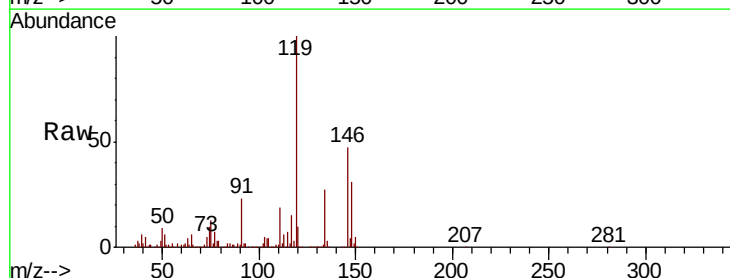
Manual Integrations
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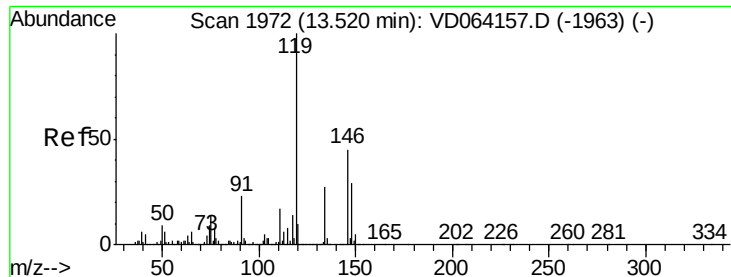
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#86
 p-Isopropyltoluene
 Concen: 18.949 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	23.0	11.5	34.4





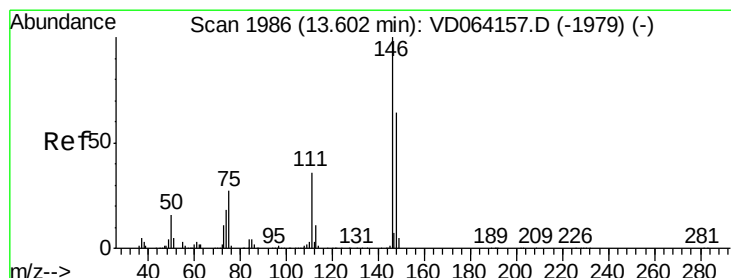
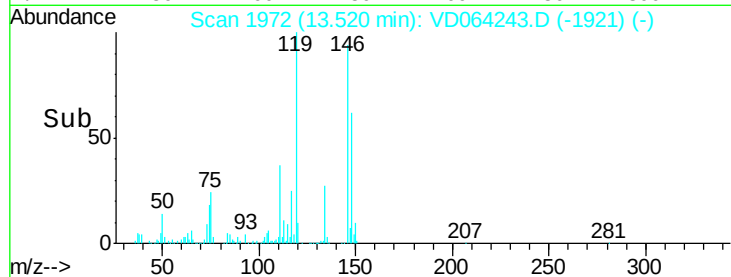
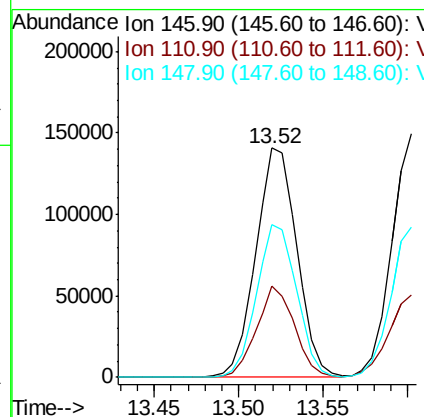
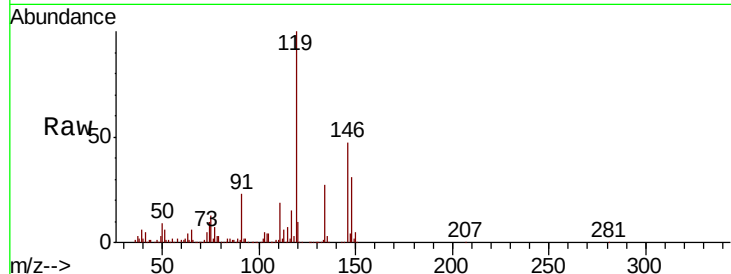
#87
 1,3-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.9
148	65.2	32.1	96.5

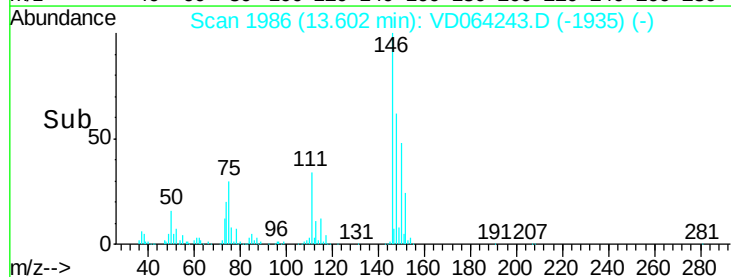
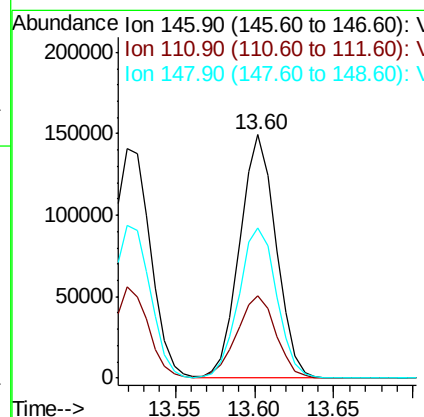
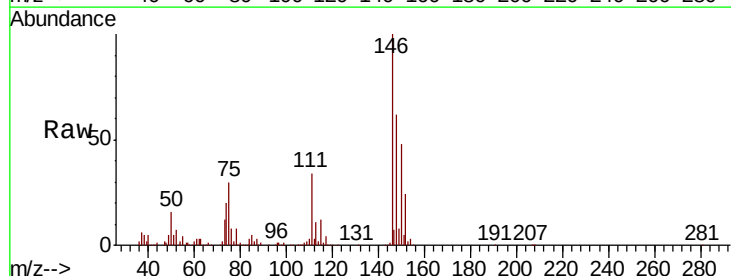
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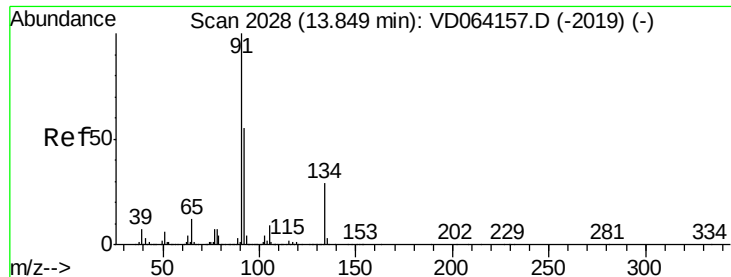
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#88
 1,4-Dichlorobenzene
 Concen: 20.454 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.4
148	64.3	31.9	95.7





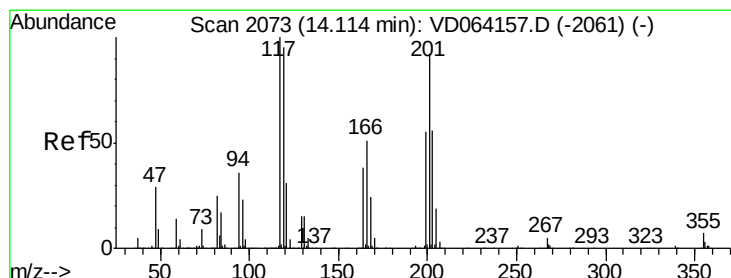
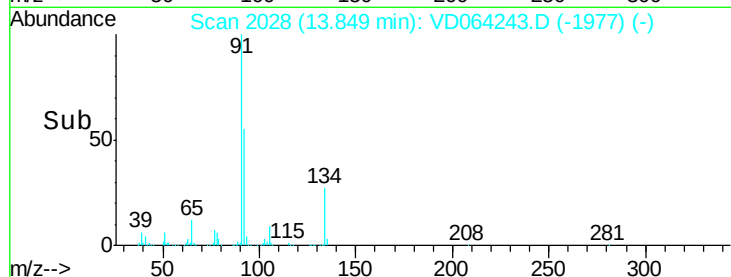
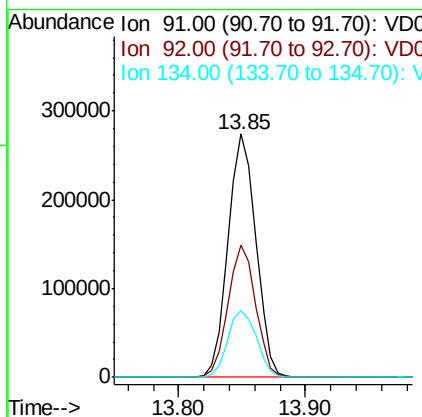
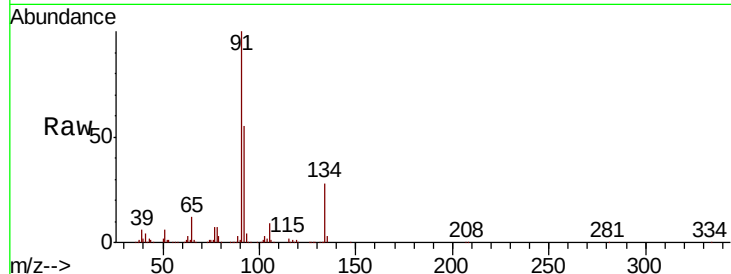
#89
n-Butylbenzene
Concen: 18.733 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.3	81.8
134	28.6	14.1	42.4

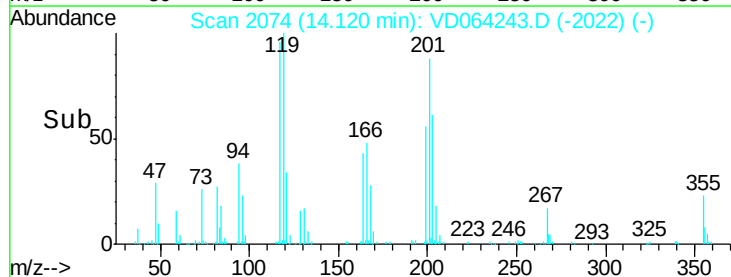
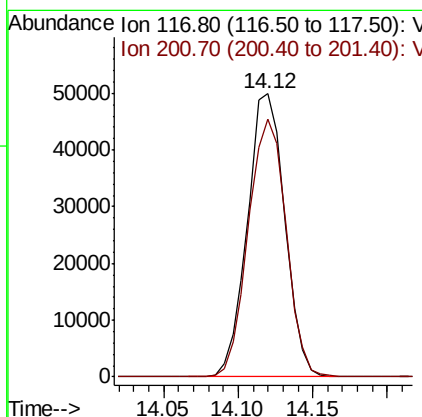
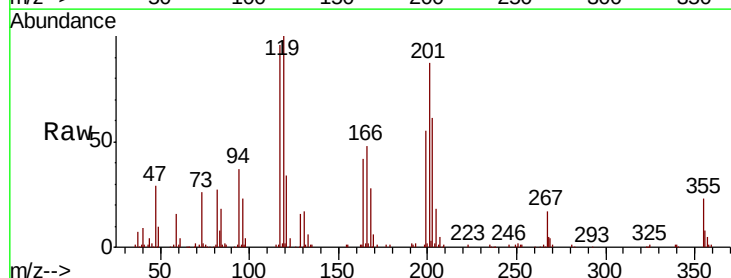
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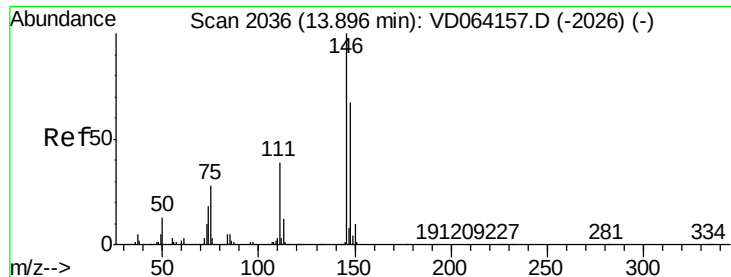
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#90
Hexachloroethane
Concen: 19.072 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	45.8	137.4





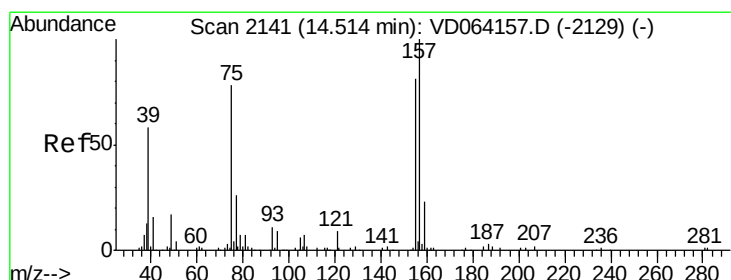
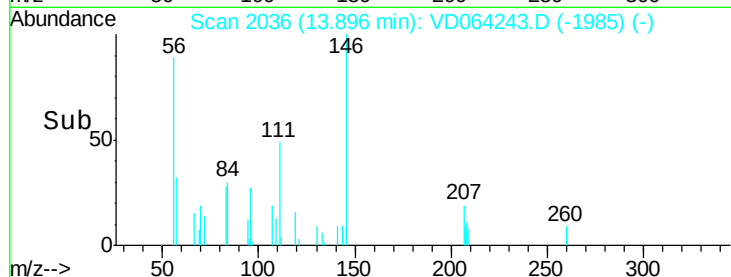
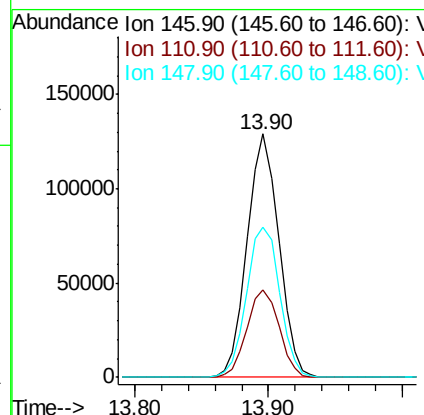
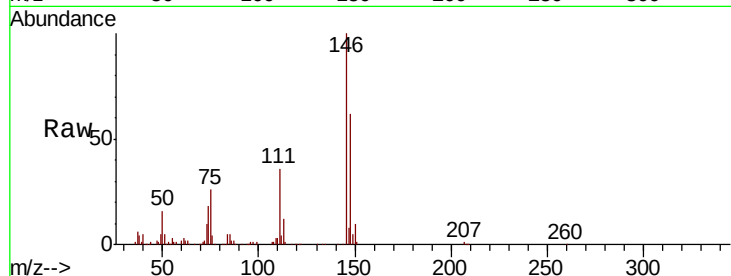
#91
 1,2-Dichlorobenzene
 Concen: 20.907 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.7	59.0
148	64.7	32.3	96.8

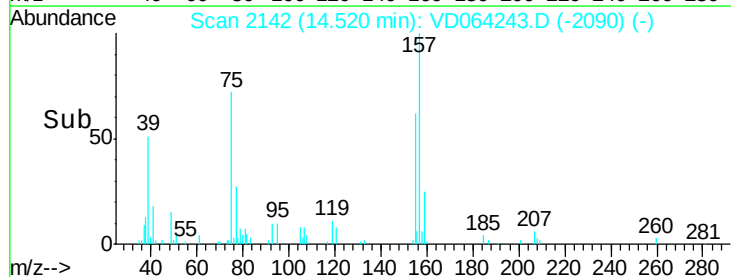
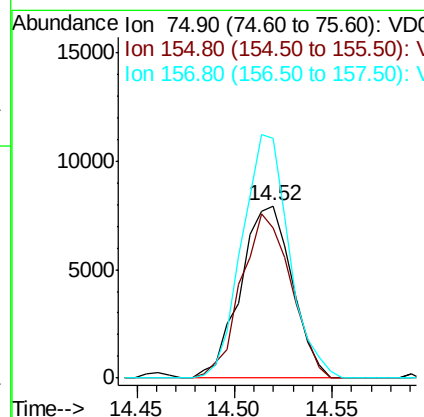
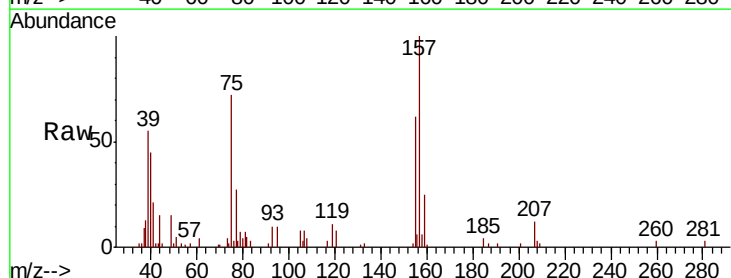
Manual Integrations
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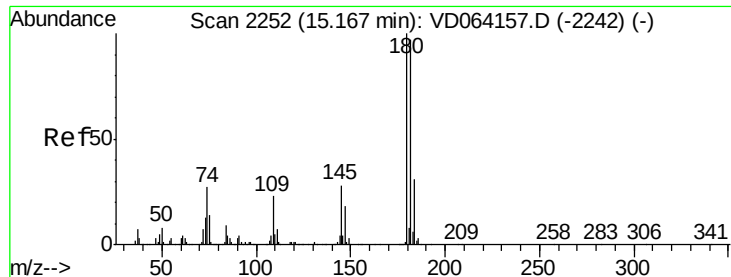
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 11/19/2019 12:22:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.381 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	48.0	144.0
157	129.0	61.5	184.4





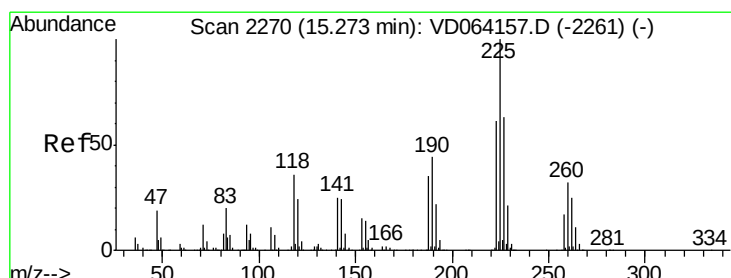
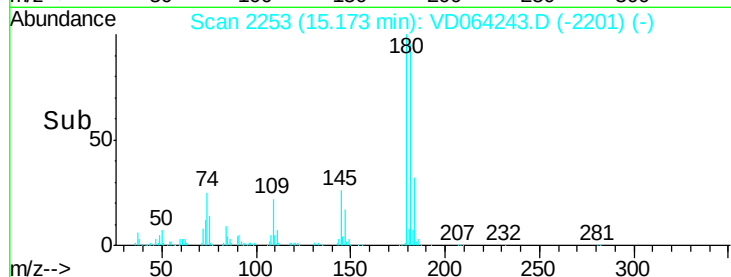
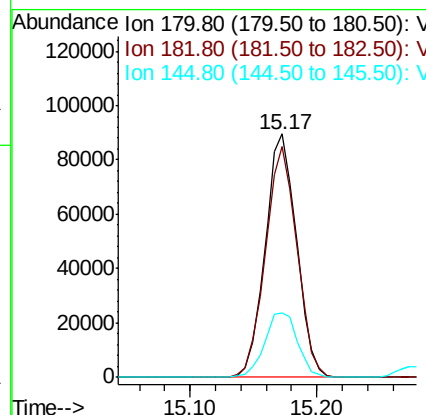
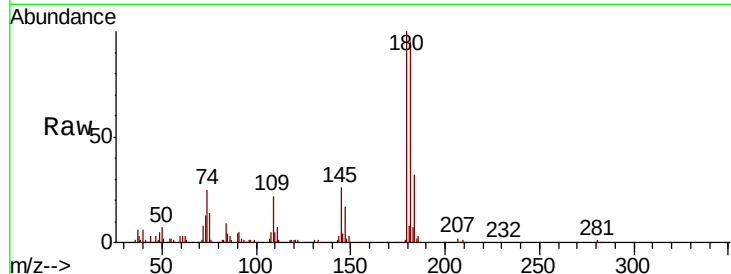
#93
 1,2,4-Trichlorobenzene
 Concen: 19.673 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.5	142.5	
145	28.0	14.2	42.6	

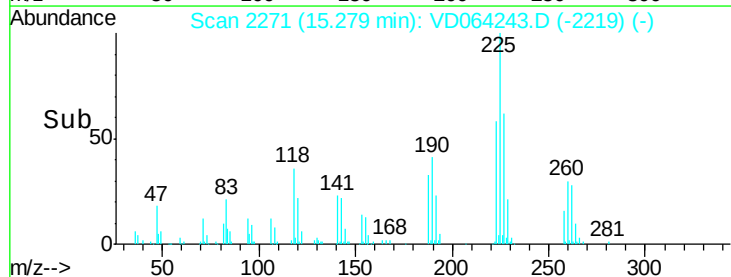
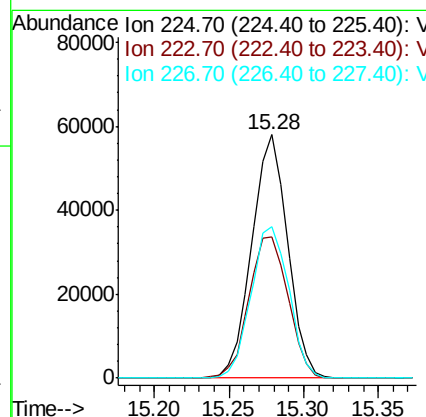
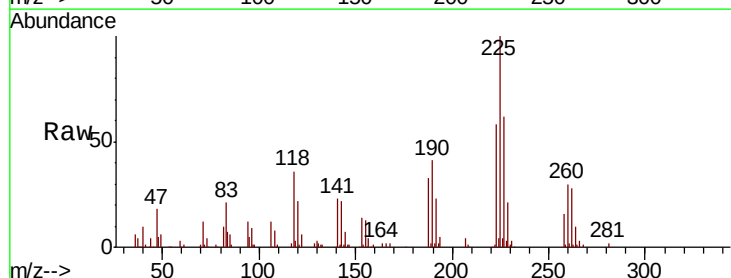
Manual Integrations
 APPROVED

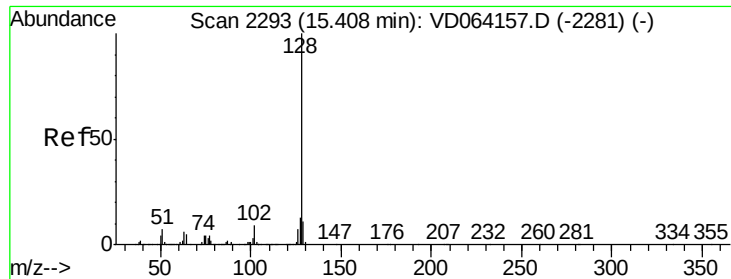
MMDADODA
 11/19/2019 12:22:35 PM



#94
 Hexachlorobutadiene
 Concen: 19.084 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064243.D
 Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.1	93.3	
227	65.3	31.5	94.5	





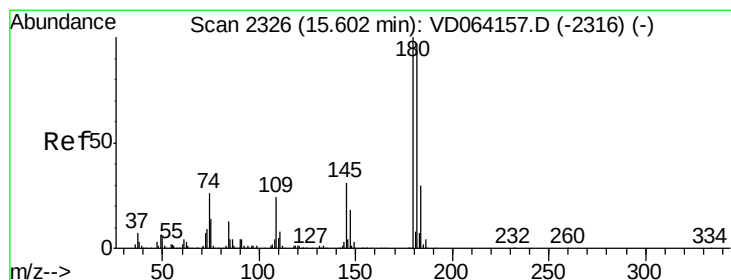
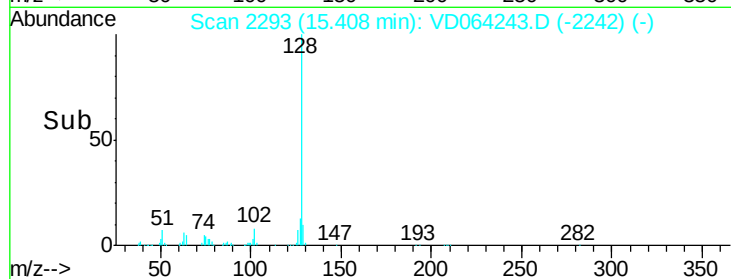
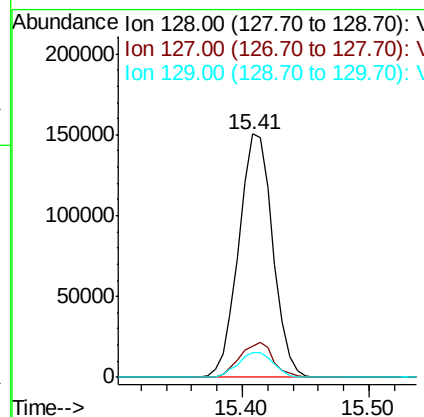
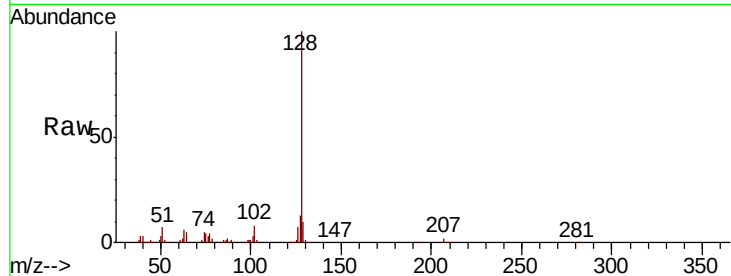
#95
Naphthalene
Concen: 21.827 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	279586		
127	14.0		10.5	15.7
129	10.5		8.6	13.0

Manual Integrations
APPROVED

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11/19/2019 12:22:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.653 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064243.D
Acq: 16 Nov 2019 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	137177		
182	98.0		48.3	144.9
145	30.7		15.3	45.8

