

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031220\
 Data File : VN060467.D
 Acq On : 12 Mar 2020 10:28
 Operator : JC/MD
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:49:40 AM

Quant Time: Mar 13 02:21:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118106	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.56	113	89542	61.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.16%	
50) Toluene-d8	10.08	98	345766	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.40	95	130891	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	26585	15.260	ug/l	99
3) Chloromethane	2.03	50	49700	16.386	ug/l	98
4) Vinyl Chloride	2.16	62	40953	15.743	ug/l	98
5) Bromomethane	2.55	94	18247	15.782	ug/l	100
6) Chloroethane	2.68	64	23321	16.547	ug/l	96
7) Trichlorofluoromethane	3.00	101	55615	16.734	ug/l	99
8) Diethyl Ether	3.38	74	22531	17.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33262	17.684	ug/l	98
10) Methyl Iodide	3.93	142	23701	13.807	ug/l	100
11) Tert butyl alcohol	4.73	59	36144	99.844	ug/l	100
12) 1,1-Dichloroethene	3.72	96	32107	17.538	ug/l	99
13) Acrolein	3.57	56	33969	100.584	ug/l	96
14) Allyl chloride	4.29	41	61521	18.278	ug/l	100
15) Acrylonitrile	4.94	53	94449	98.985	ug/l	99
16) Acetone	3.78	43	82012	104.170	ug/l	99
17) Carbon Disulfide	4.03	76	77341	15.478	ug/l	98
18) Methyl Acetate	4.28	43	49533	18.853	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	124153	18.732	ug/l	97
20) Methylene Chloride	4.52	84	38231	17.682	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34970	17.553	ug/l	98
22) Diisopropyl ether	5.91	45	133347	19.558	ug/l	96
23) Vinyl Acetate	5.86	43	522256	96.397	ug/l	99
24) 1,1-Dichloroethane	5.82	63	72176	18.701	ug/l	100
25) 2-Butanone	6.80	43	128067	100.709	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65167	18.548	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	43877	17.501	ug/l	100
28) Bromochloromethane	7.17	49	30470	19.229	ug/l	97
29) Tetrahydrofuran	7.18	42	86156	97.431	ug/l	98
30) Chloroform	7.35	83	71104	18.507	ug/l	97
31) Cyclohexane	7.63	56	63073	18.301	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	61871	18.176	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52087	17.445	ug/l	99
37) Ethyl Acetate	6.90	43	54429	19.253	ug/l	99
38) Carbon Tetrachloride	7.75	117	49059	16.876	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	58582	16.641	ug/l	97
40) Benzene	8.02	78	157252	18.096	ug/l	99
41) Methacrylonitrile	7.14	41	21848m	16.737	ug/l	
42) 1,2-Dichloroethane	8.10	62	57772	18.423	ug/l	99
43) Isopropyl Acetate	8.14	43	95696	19.335	ug/l	99
44) Trichloroethene	8.82	130	41817	17.278	ug/l	96
45) 1,2-Dichloropropane	9.10	63	45280	19.929	ug/l	99
46) Dibromomethane	9.19	93	26775	18.162	ug/l	99
47) Bromodichloromethane	9.38	83	56381	18.804	ug/l	99
48) Methyl methacrylate	9.18	41	40829	18.090	ug/l	98
49) 1,4-Dioxane	9.18	88	12446	392.137	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	277739	98.974	ug/l	99
52) Toluene	10.14	92	96582	17.693	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	64232	17.483	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	70155	18.428	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40174	18.301	ug/l	98
56) Ethyl methacrylate	10.42	69	58880	18.670	ug/l	99
57) 1,3-Dichloropropane	10.70	76	67831	18.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	158632	96.173	ug/l	98
59) 2-Hexanone	10.74	43	196672	95.455	ug/l	100
60) Dibromochloromethane	10.89	129	41841	18.742	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38051	17.781	ug/l	99
64) Tetrachloroethene	10.62	164	41938	17.650	ug/l	99
65) Chlorobenzene	11.43	112	101608	17.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39523	18.450	ug/l	99
67) Ethyl Benzene	11.50	91	189113	17.925	ug/l	100
68) m/p-Xylenes	11.61	106	138184	34.715	ug/l	98
69) o-Xylene	11.94	106	67071	17.670	ug/l	99
70) Styrene	11.96	104	109650	17.570	ug/l	99
71) Bromoform	12.12	173	28881	18.707	ug/l #	97
73) Isopropylbenzene	12.24	105	185818	18.160	ug/l	100
74) N-amyl acetate	12.06	43	81342	18.192	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55139	19.824	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	56099m	18.521	ug/l	
77) Bromobenzene	12.52	156	43816	17.469	ug/l	96
78) n-propylbenzene	12.59	91	211554	17.638	ug/l	100
79) 2-Chlorotoluene	12.67	91	126272	17.910	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154469	17.930	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20273	18.476	ug/l #	85
82) 4-Chlorotoluene	12.77	91	128915	17.355	ug/l	99
83) tert-Butylbenzene	12.99	119	131200	17.589	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	154374	17.753	ug/l	100
85) sec-Butylbenzene	13.17	105	177046	17.725	ug/l	99
86) p-Isopropyltoluene	13.28	119	158100	17.101	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78152	18.011	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	77633	17.894	ug/l	98
89) n-Butylbenzene	13.61	91	141167	16.634	ug/l	99
90) Hexachloroethane	13.87	117	21864	16.339	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	78023	17.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11352	18.023	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	45523	16.360	ug/l	99
94) Hexachlorobutadiene	15.01	225	23729	18.120	ug/l	99
95) Naphthalene	15.13	128	131170	15.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44320	16.730	ug/l	99

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

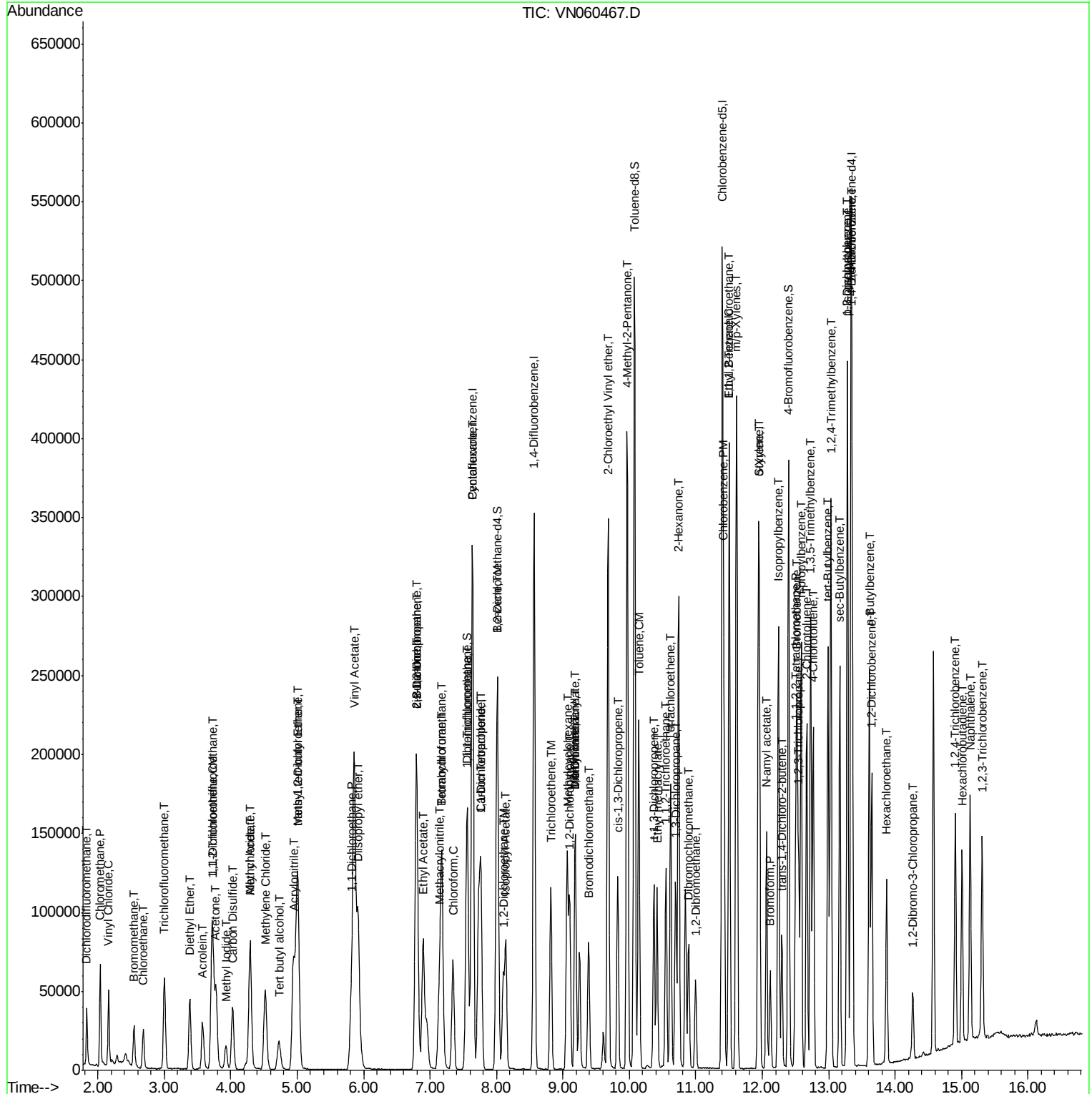
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Data File : VN060467.D
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Operator : JC/MD
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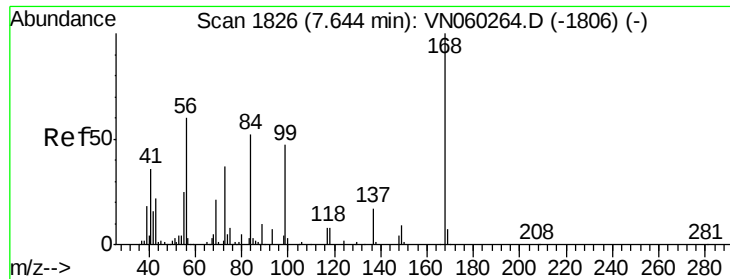
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion:168 Resp: 190017

Ion Ratio Lower Upper

168 100

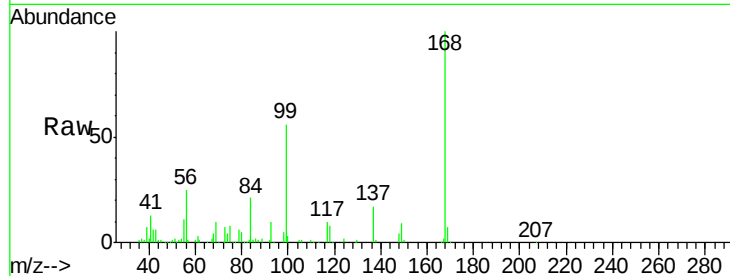
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Manual Integrations

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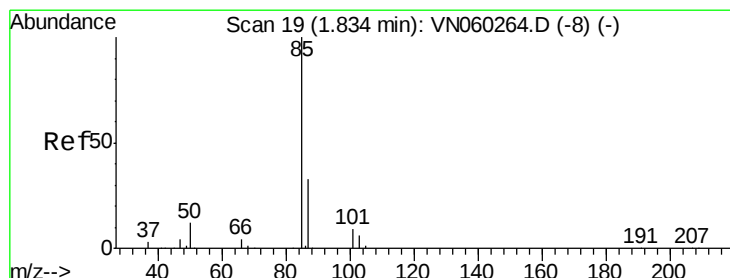
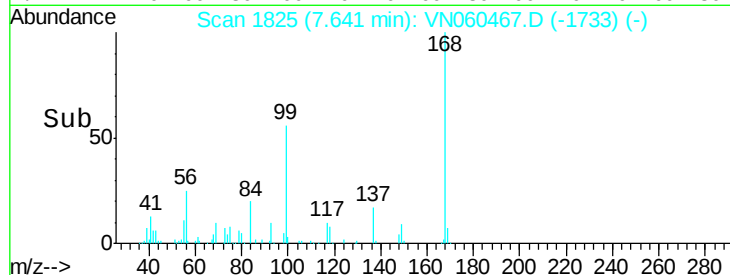
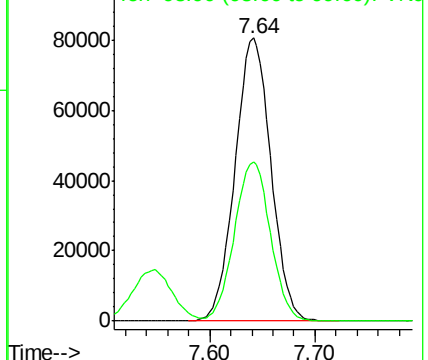
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 15.260 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060467.D

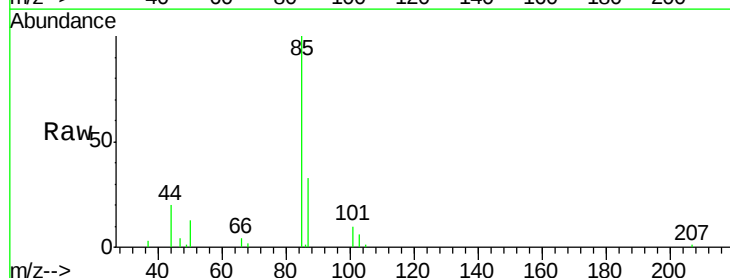
Acq: 12 Mar 2020 10:28

Tgt Ion: 85 Resp: 26585

Ion Ratio Lower Upper

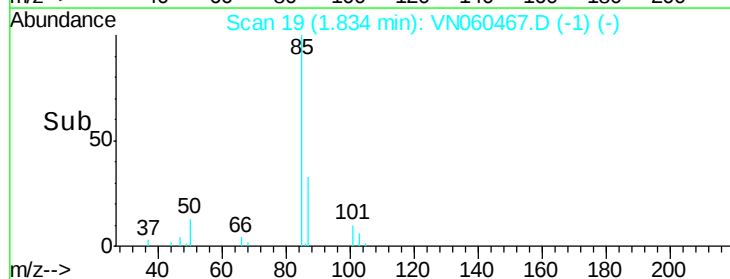
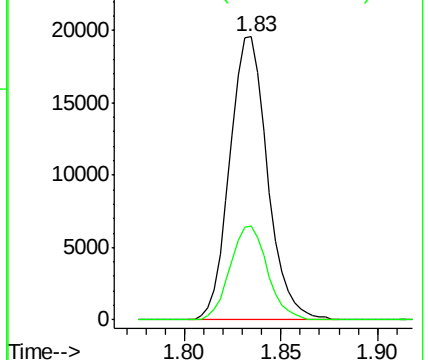
85 100

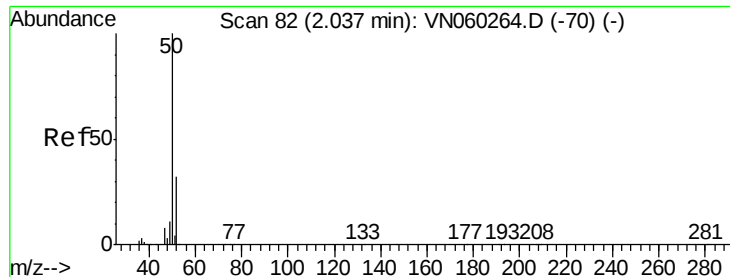
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.386 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 50 Resp: 49700

Ion Ratio Lower Upper

50 100

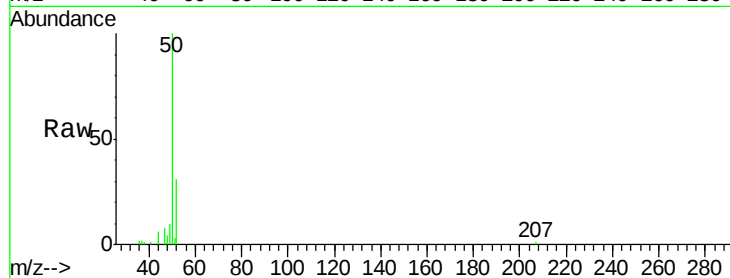
52 31.1 25.6 38.4

Manual Integrations

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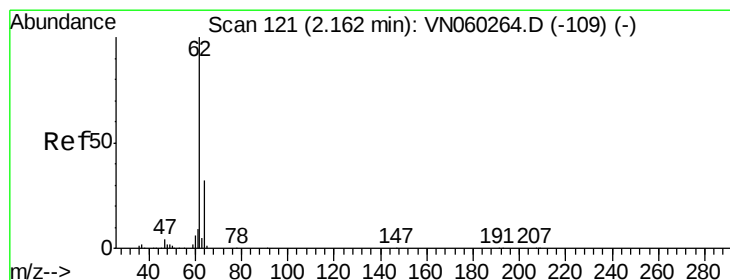
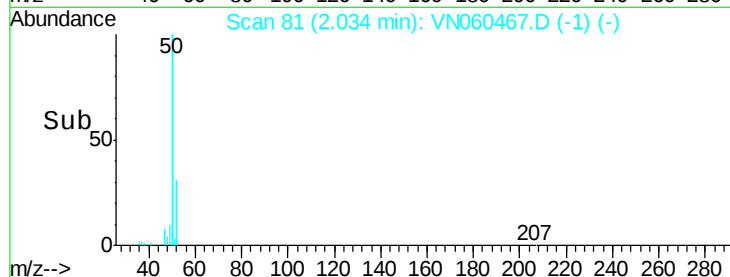
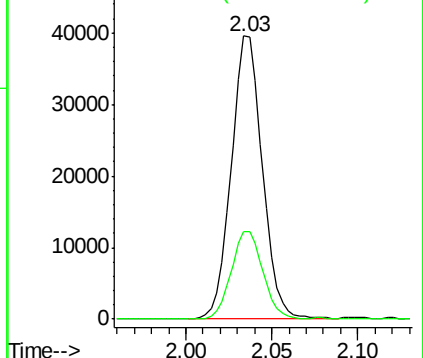
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.743 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060467.D

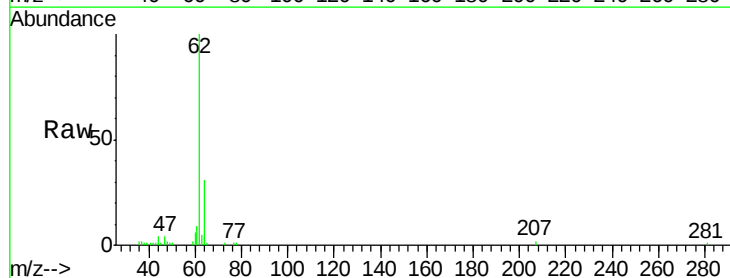
Acq: 12 Mar 2020 10:28

Tgt Ion: 62 Resp: 40953

Ion Ratio Lower Upper

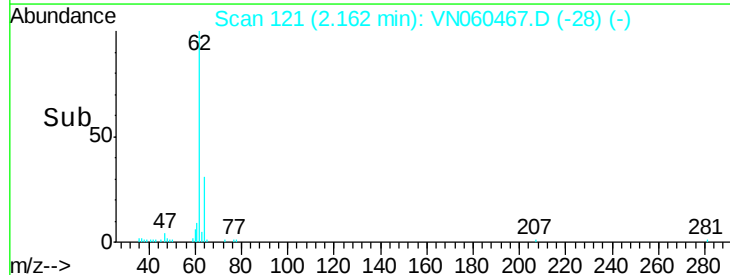
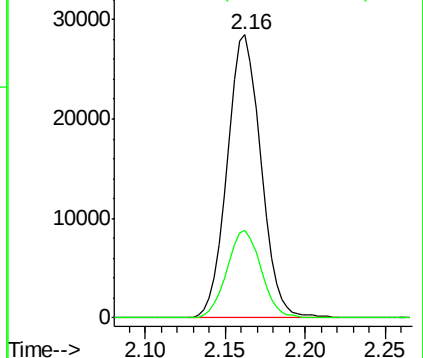
62 100

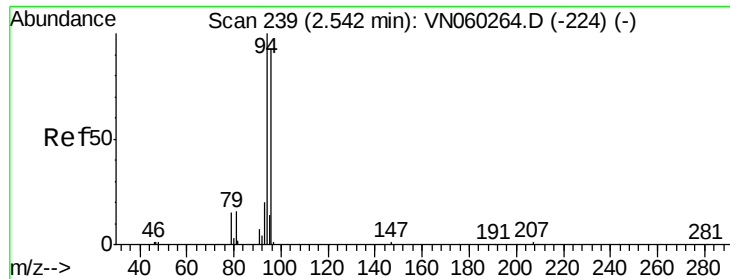
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.782 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

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Tot Ion: 94 Resp: 18247

Ion Ratio Lower Upper

94 100

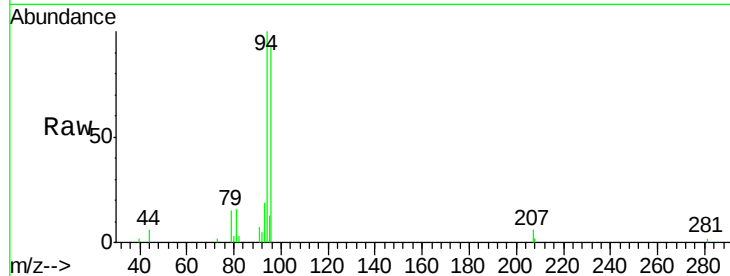
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Manual Integrations

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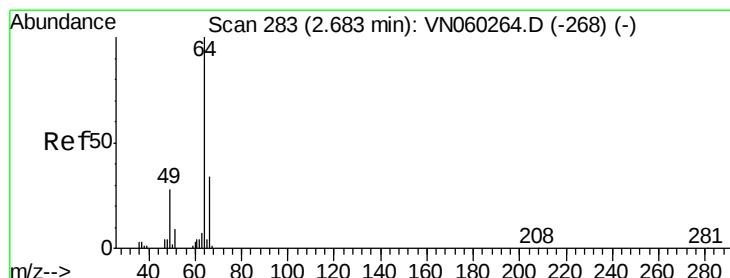
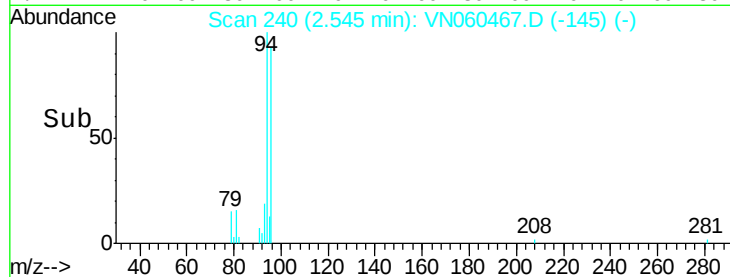
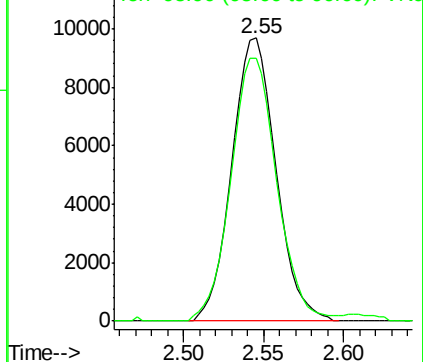
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.547 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060467.D

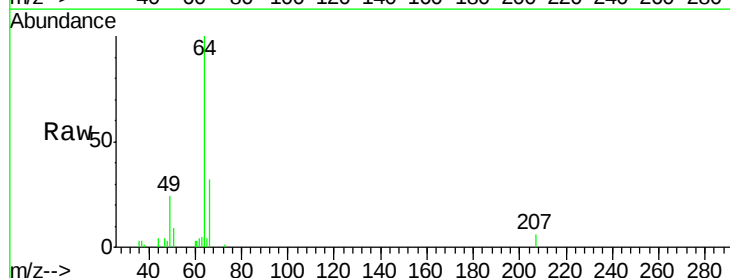
Acq: 12 Mar 2020 10:28

Tgt Ion: 64 Resp: 23321

Ion Ratio Lower Upper

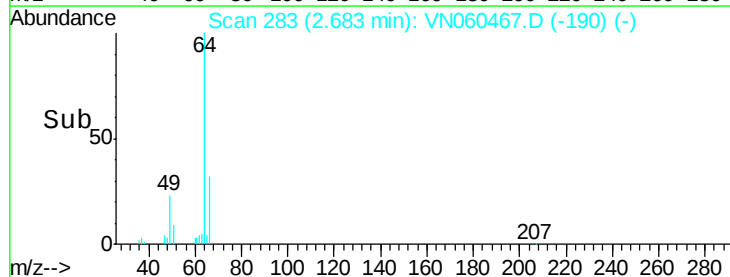
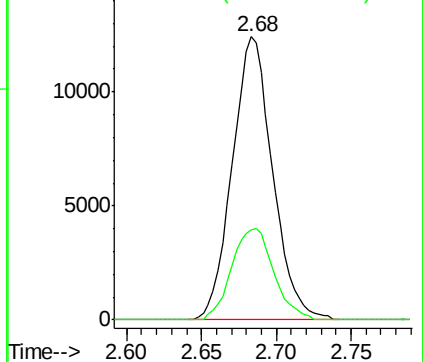
64 100

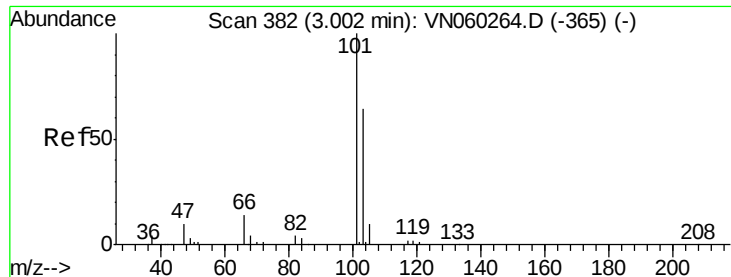
66 31.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

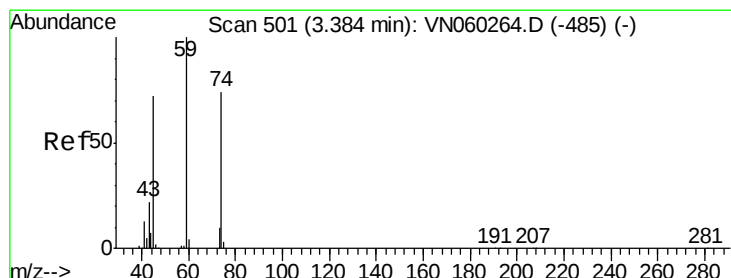
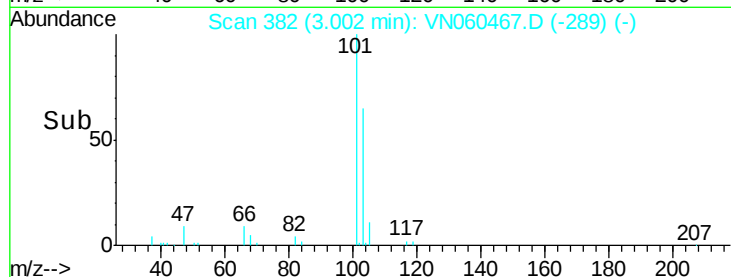
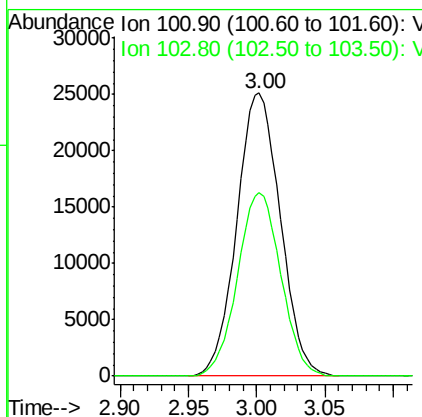
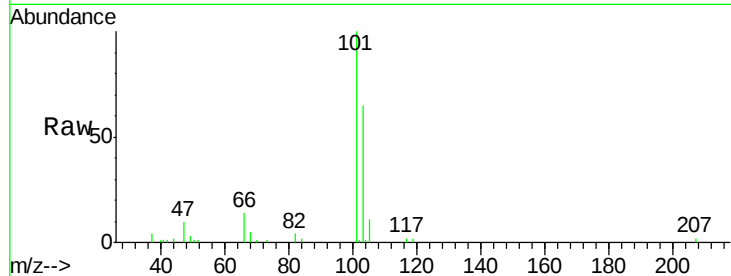
Trichlorofluoromethane
 Concen: 16.734 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	55615		
103	64.9	51.3	76.9		

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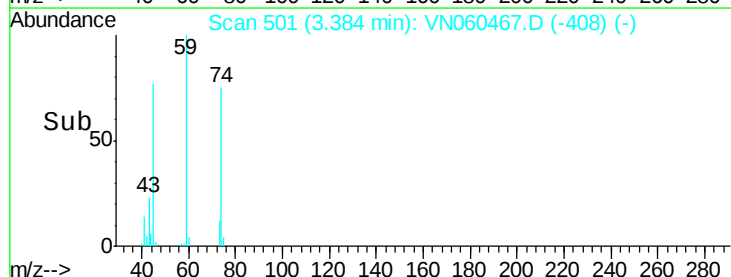
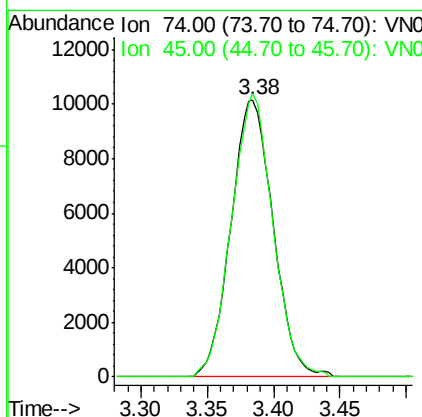
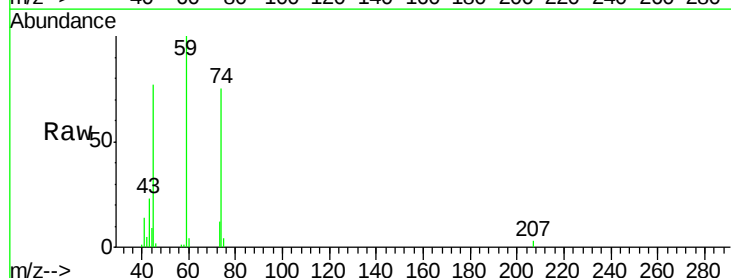
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#8

Diethyl Ether
 Concen: 17.955 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	22531		
45	99.9	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.684 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

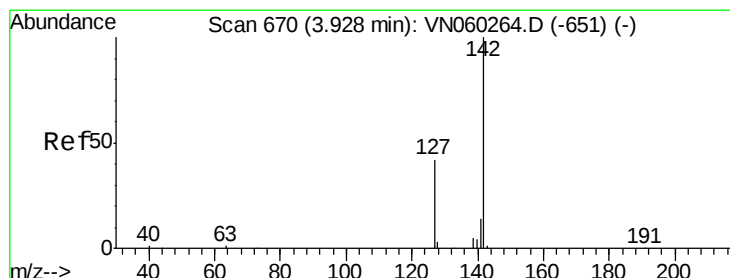
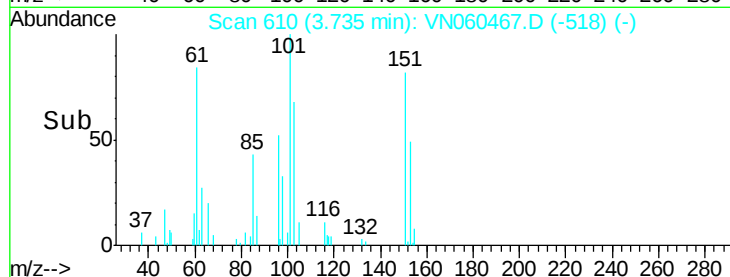
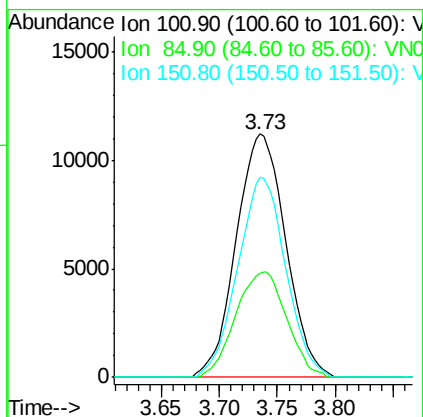
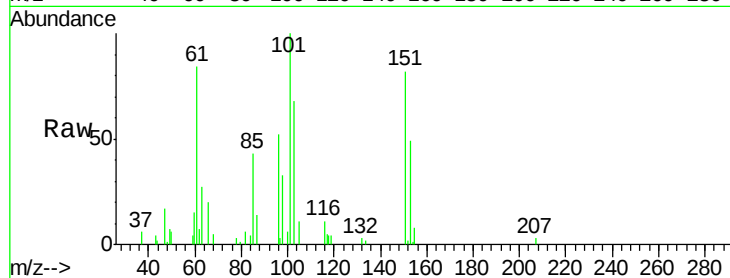
ClientSampleId :

VN0312WBS01

Tot Ion:	101	Resp:	33262
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.4	53.2
151	79.6	62.0	93.0

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#10

Methyl Iodide

Concen: 13.807 ug/l

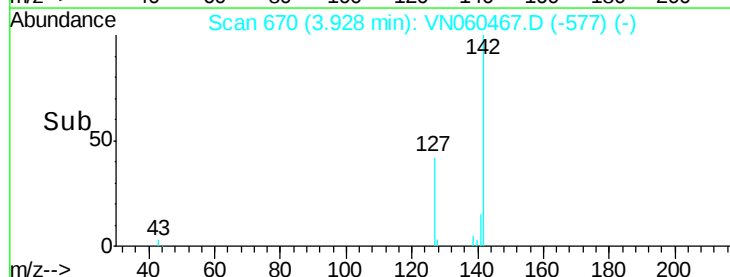
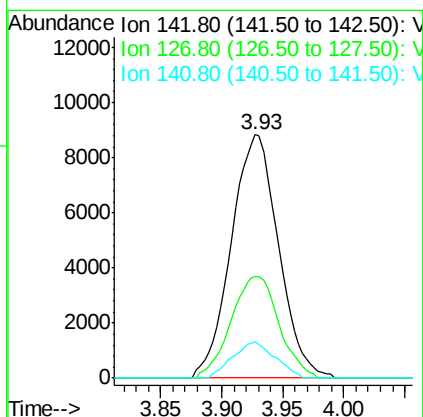
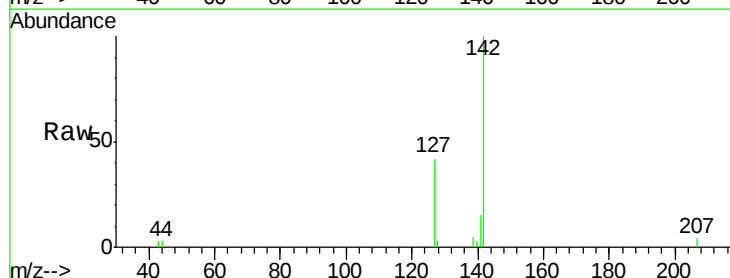
RT: 3.93 min Scan# 670

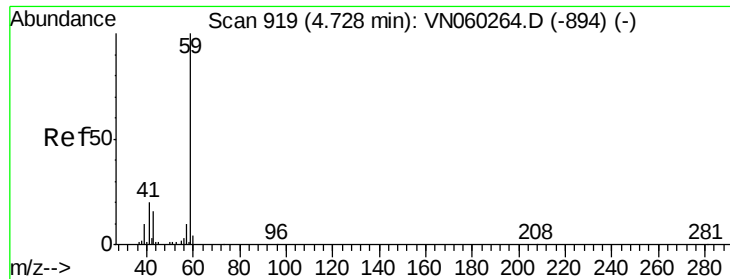
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	142	Resp:	23701
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	13.4	11.1	16.7





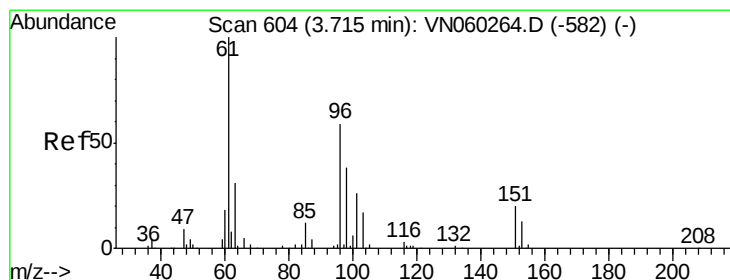
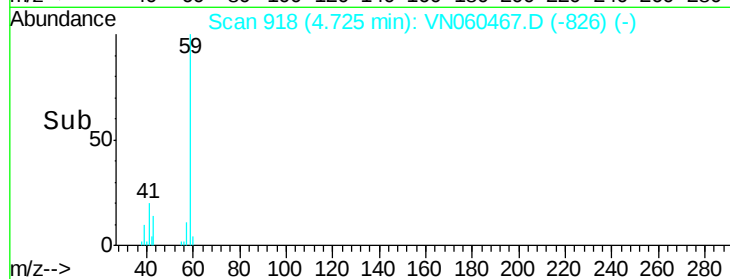
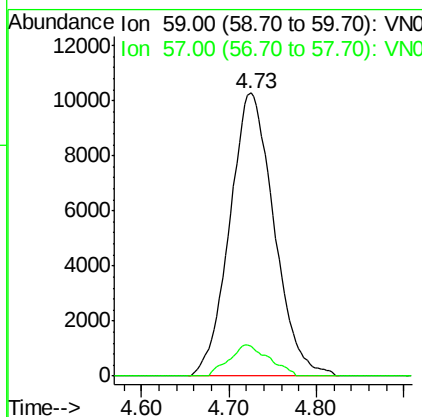
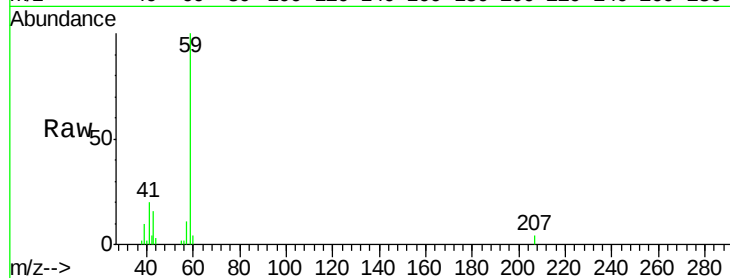
#11
Tert butyl alcohol
Concen: 99.844 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

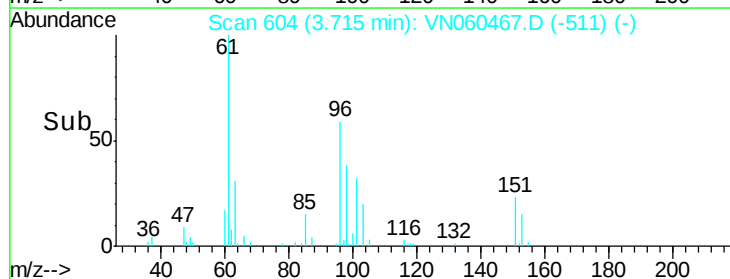
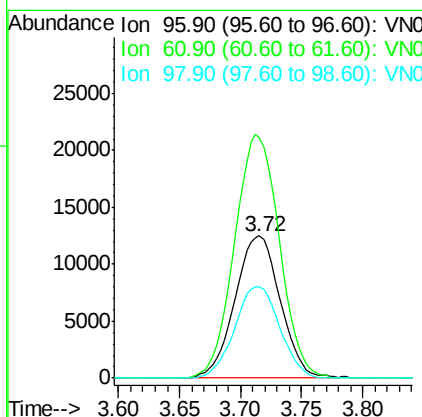
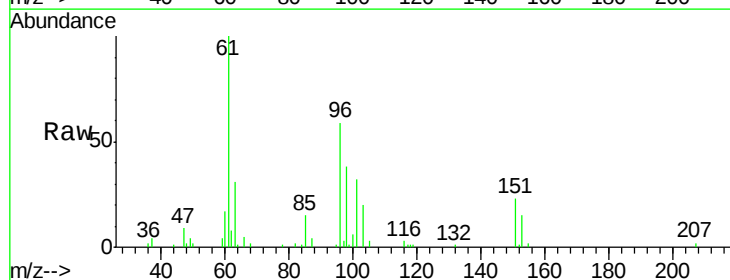
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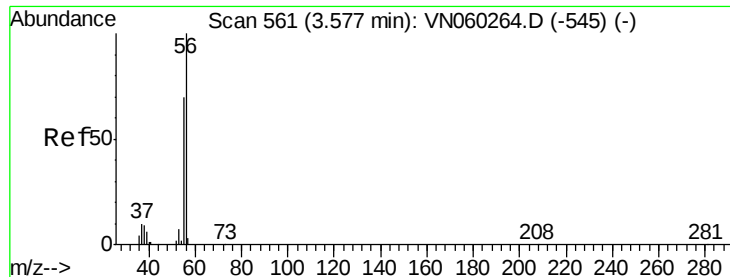
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3/16/2020 11:49:40 AM



#12
1,1-Dichloroethene
Concen: 17.538 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	135.4	203.0
98	64.2	51.6	77.4





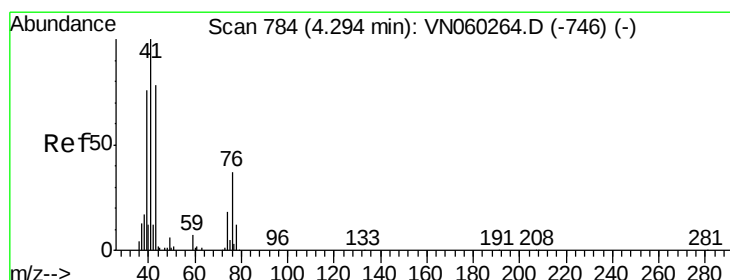
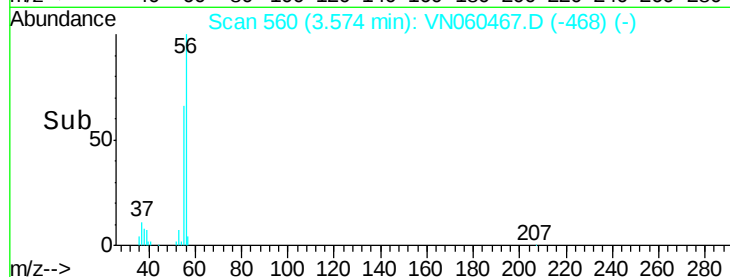
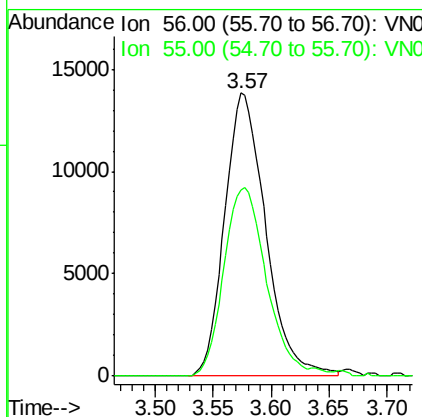
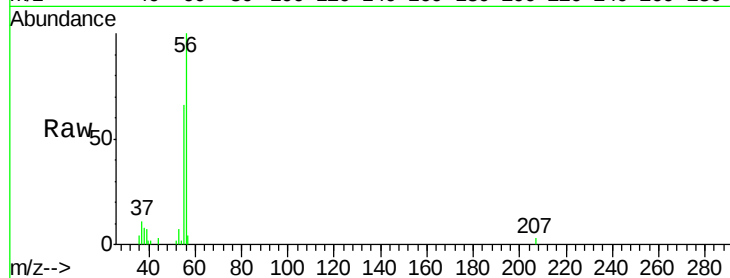
#13
Acrolein
Concen: 100.584 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.3	57.4	86.0

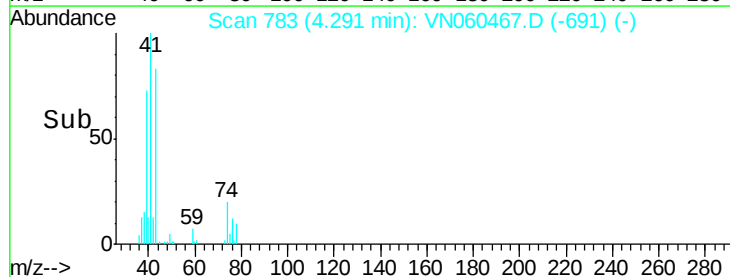
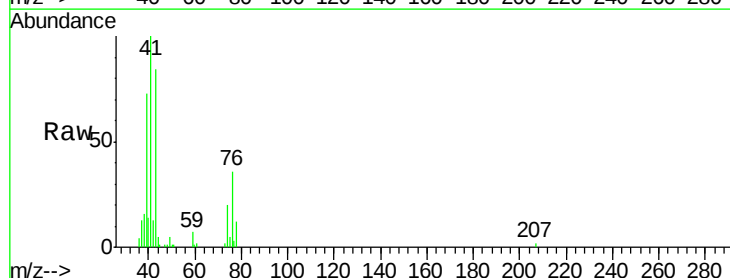
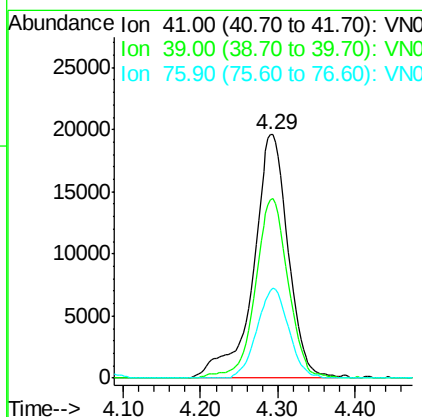
Manual Integrations
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MMDadoda
3/16/2020 11:49:40 AM



#14
Allyl chloride
Concen: 18.278 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.3	55.4	83.2
76	33.3	27.0	40.6





#15

Acrylonitrile

Concen: 98.985 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

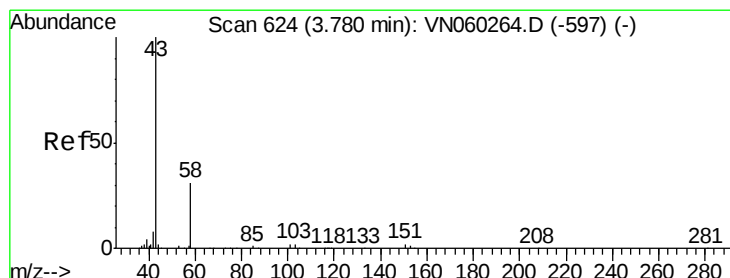
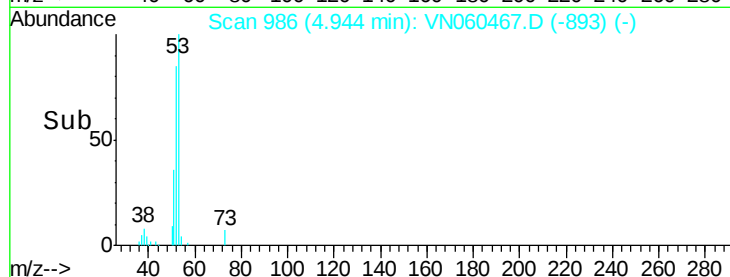
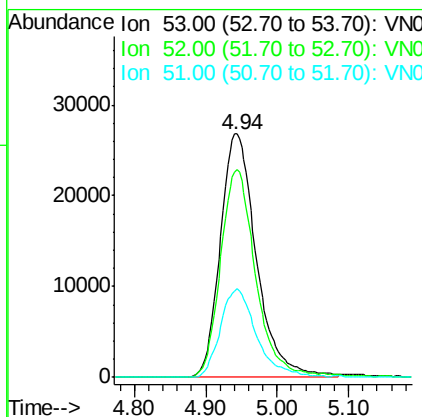
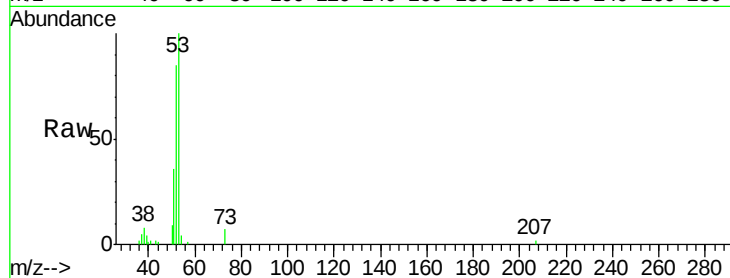
ClientSampleId :

VN0312WBS01

Tot Ion:	53	Resp:	94449
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	36.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 104.170 ug/l

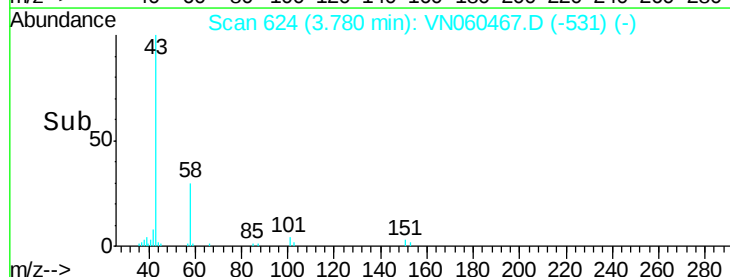
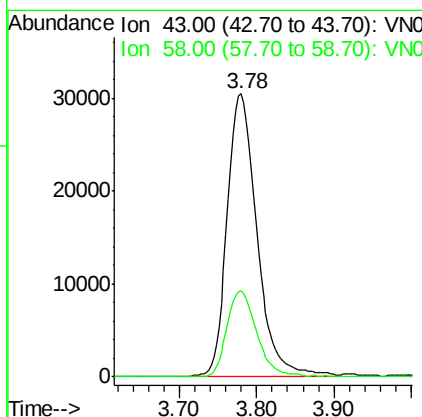
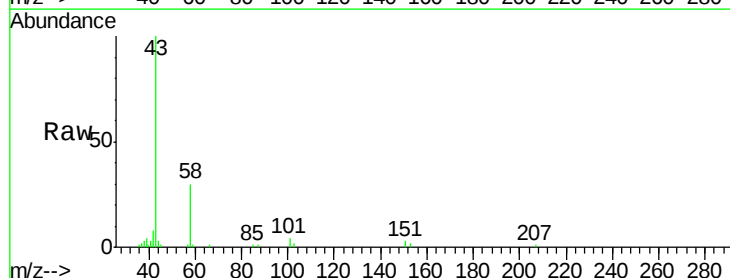
RT: 3.78 min Scan# 624

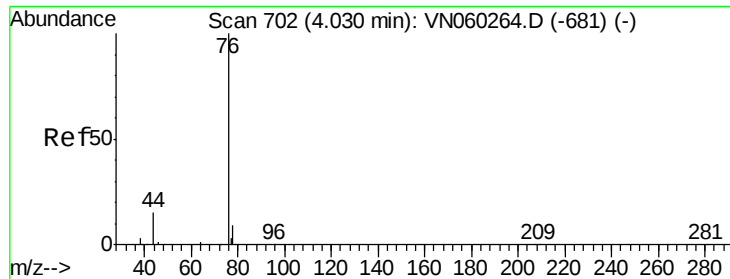
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	43	Resp:	82012
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	36.8





#17

Carbon Disulfide

Concen: 15.478 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 76 Resp: 77341

Ion Ratio Lower Upper

76 100

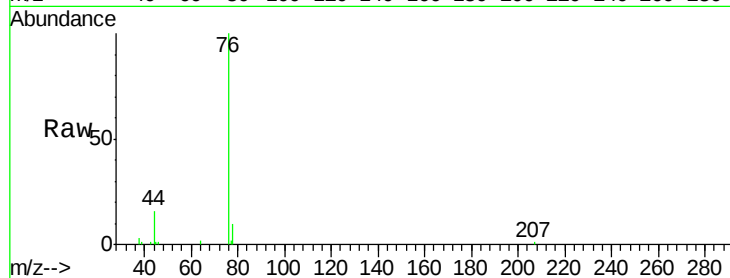
78 10.0 7.4 11.0

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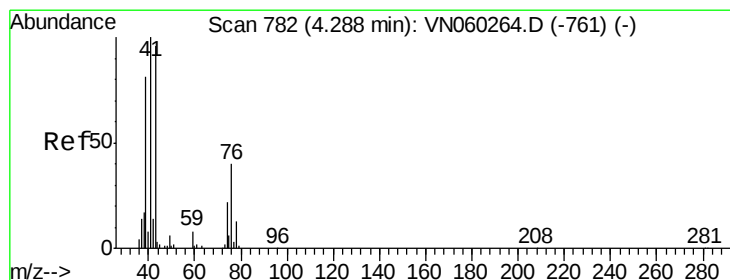
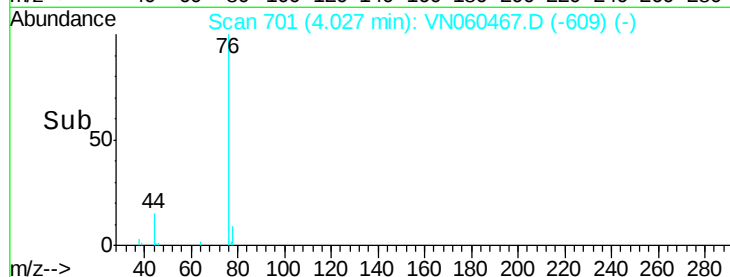
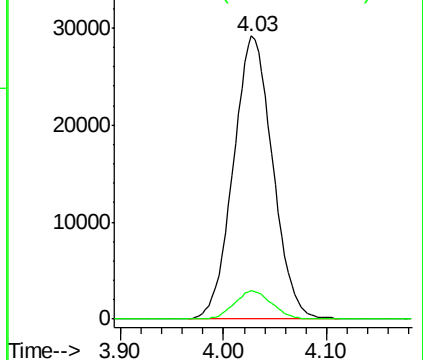
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.853 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060467.D

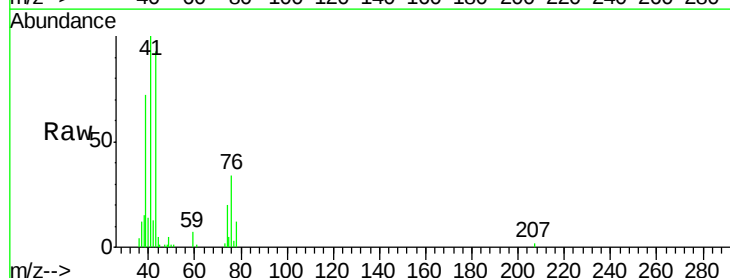
Acq: 12 Mar 2020 10:28

Tgt Ion: 43 Resp: 49533

Ion Ratio Lower Upper

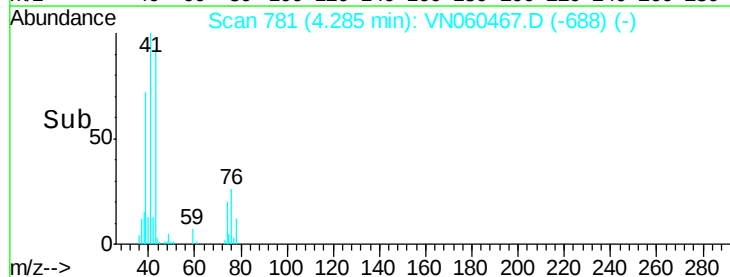
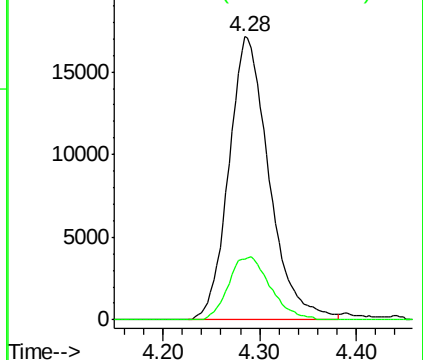
43 100

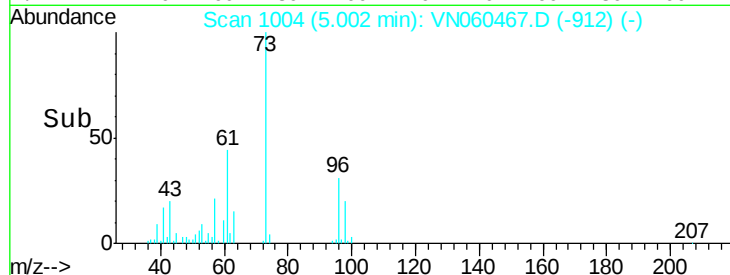
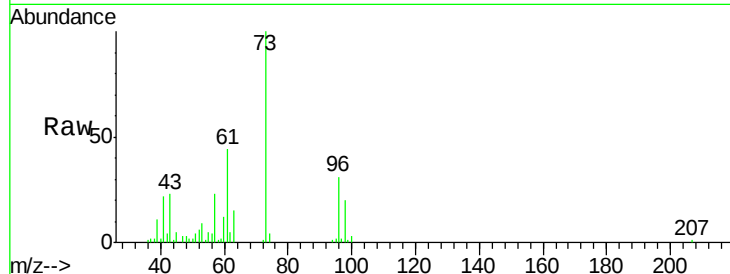
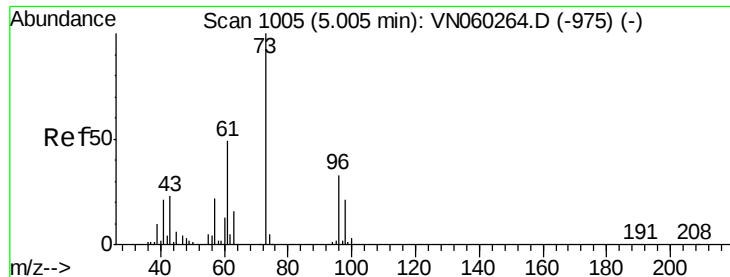
74 23.1 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





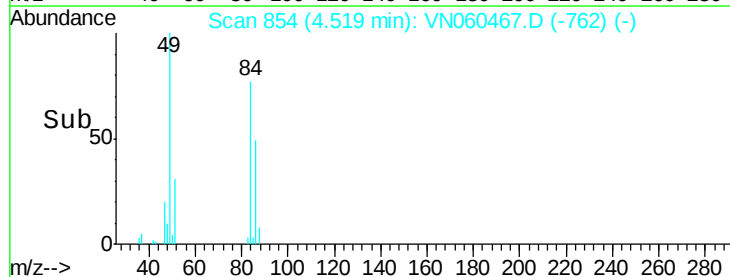
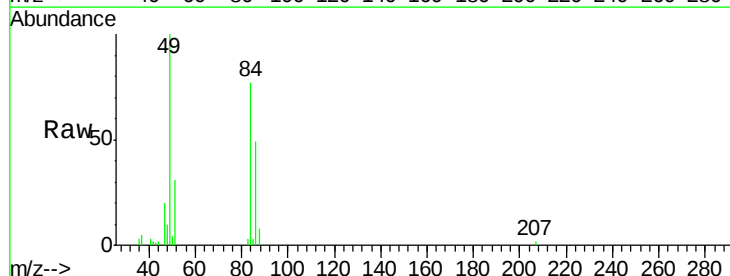
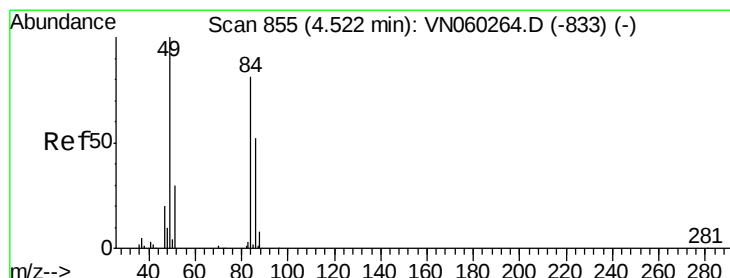
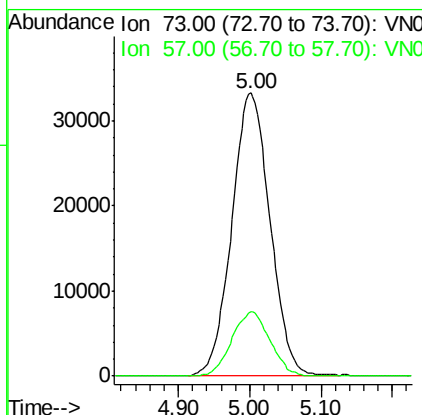
#19
Methvl tert-butvl Ether
Concen: 18.732 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tot Ion: 73 Resp: 124153
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

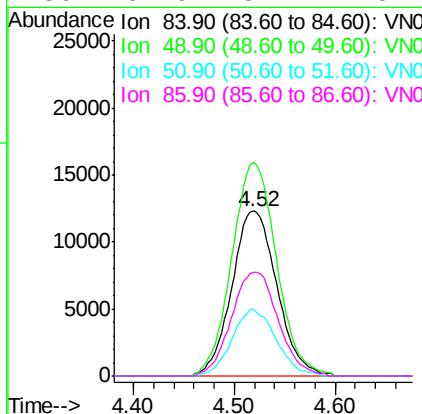
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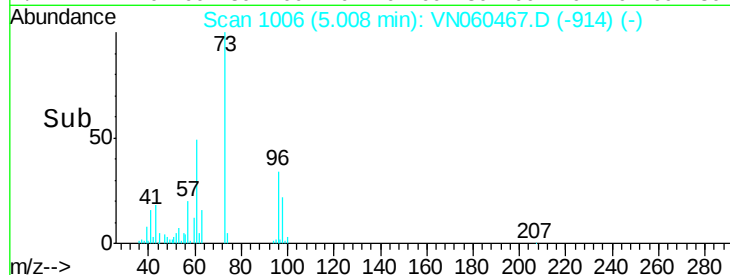
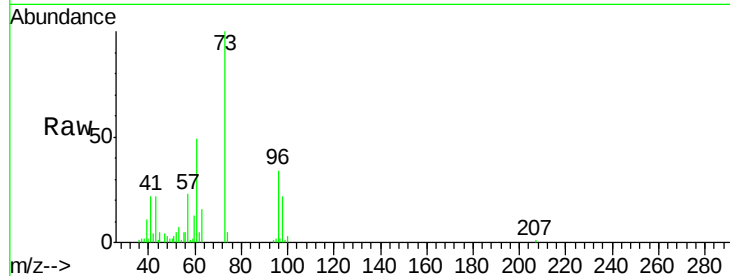
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#20
Methylene Chloride
Concen: 17.682 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 84 Resp: 38231
Ion Ratio Lower Upper
84 100
49 129.4 99.3 148.9
51 40.5 30.1 45.1
86 62.9 51.1 76.7





#21

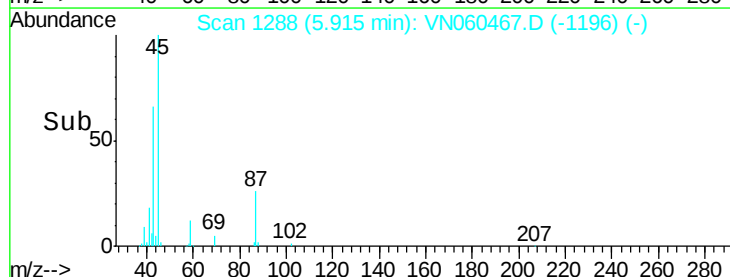
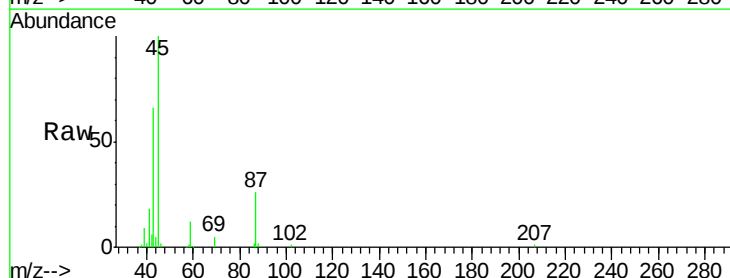
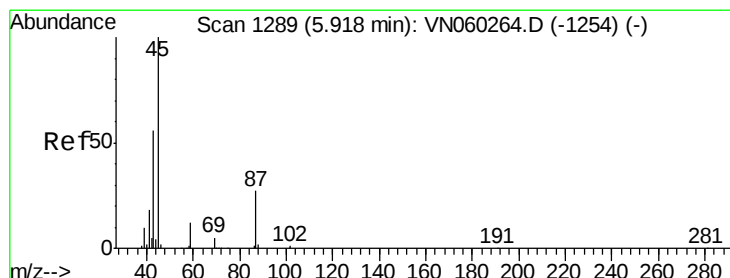
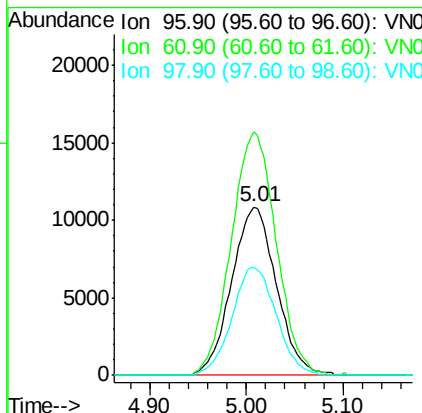
trans-1,2-Dichloroethene
Concen: 17.553 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	113.8	170.8
98	63.8	48.8	73.2

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

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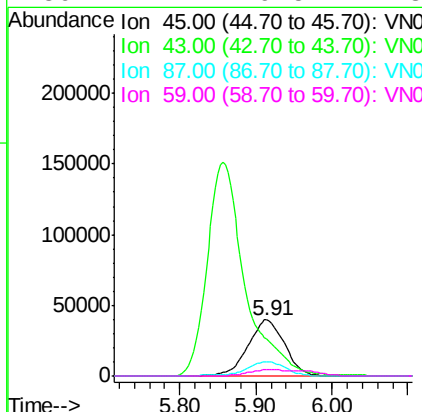
MMDadoda
3/16/2020 11:49:40 AM

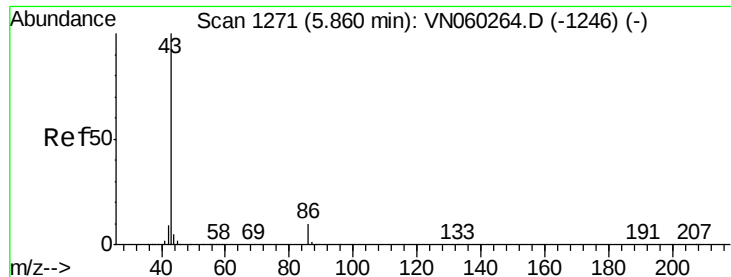


#22

Diisopropyl ether
Concen: 19.558 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	48.6	72.8
87	25.6	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 96.397 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 43 Resp: 522256

Ion Ratio Lower Upper

43 100

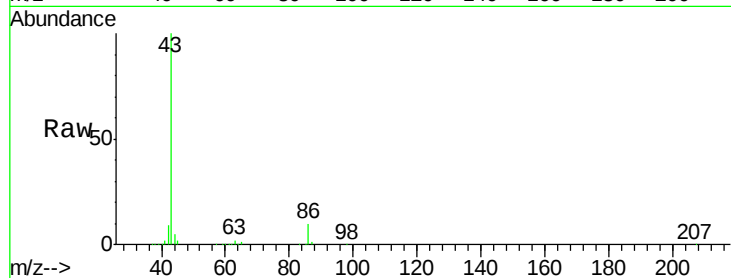
86 9.8 8.0 12.0

Manual Integrations

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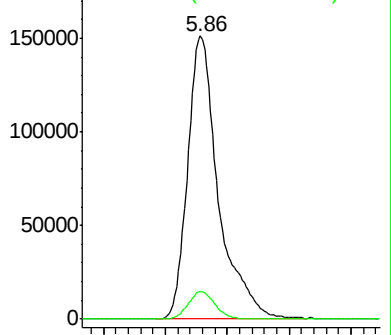
MMDadoda

3/16/2020 11:49:40 AM

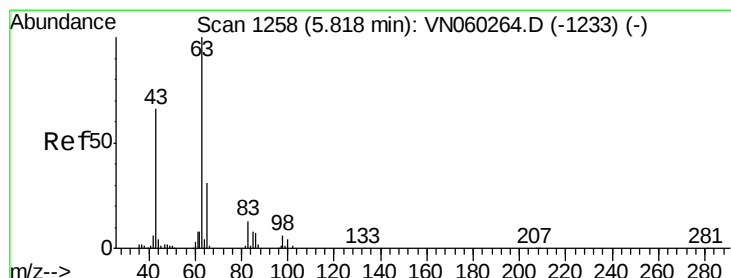
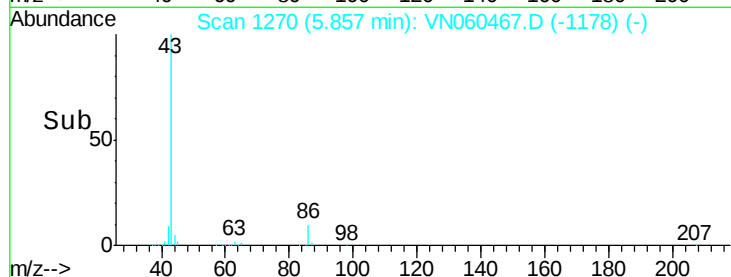


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 18.701 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

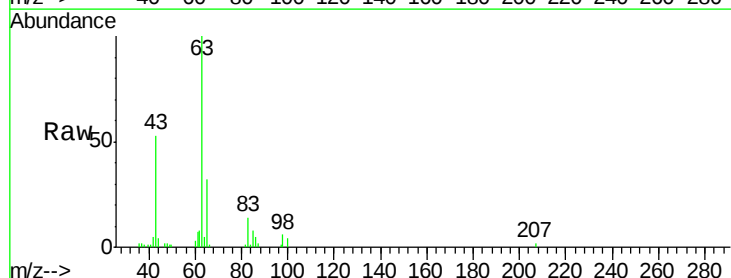
Tgt Ion: 63 Resp: 72176

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

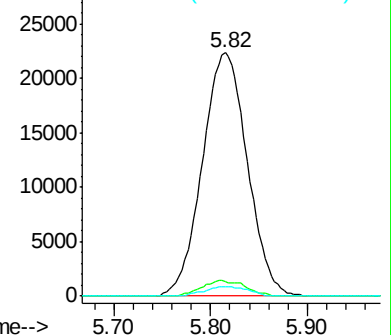
100 3.9 2.0 6.0



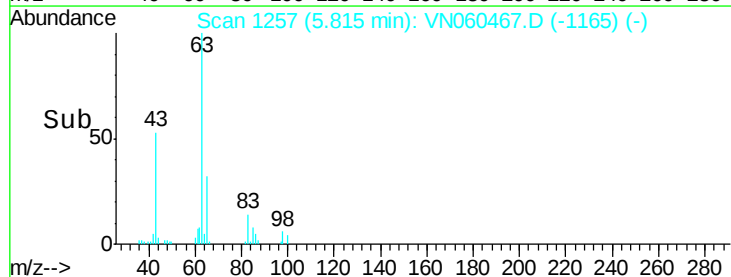
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 100.709 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 43 Resp: 128067

Ion Ratio Lower Upper

43 100

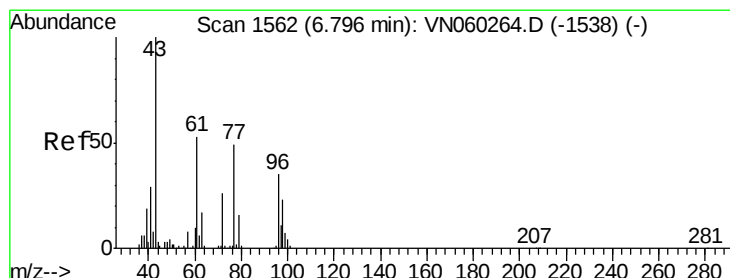
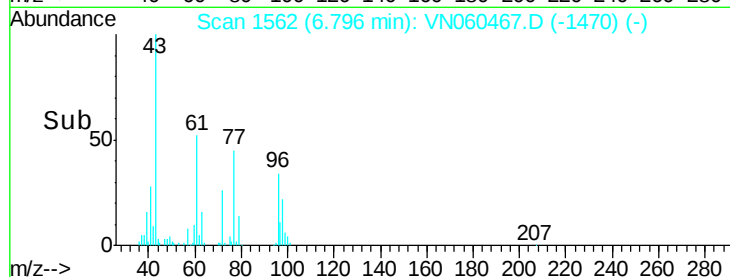
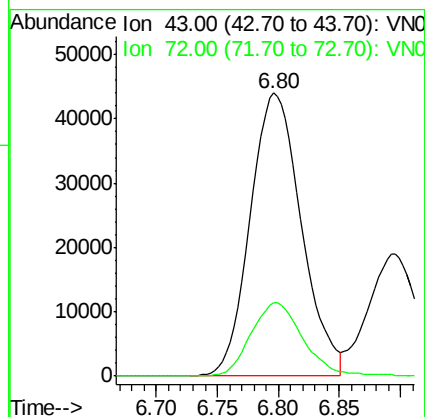
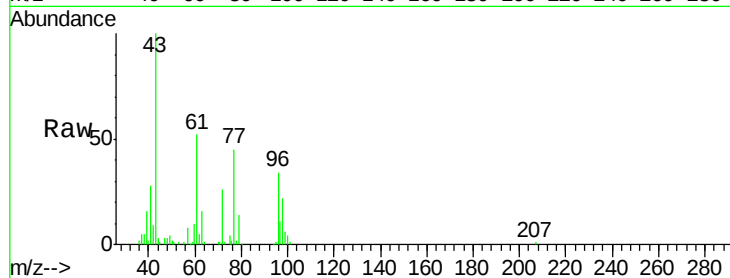
72 25.8 20.9 31.3

Manual Integrations

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MMDadoda

3/16/2020 11:49:40 AM



#26

2,2-Dichloropropane

Concen: 18.548 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060467.D

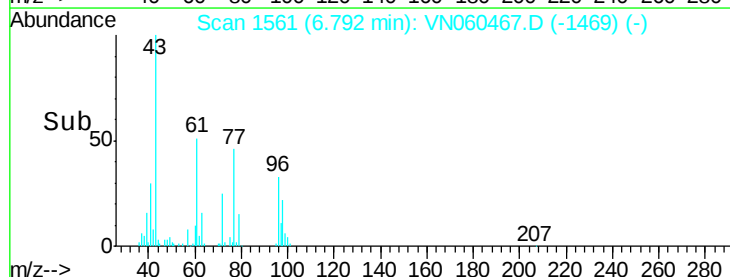
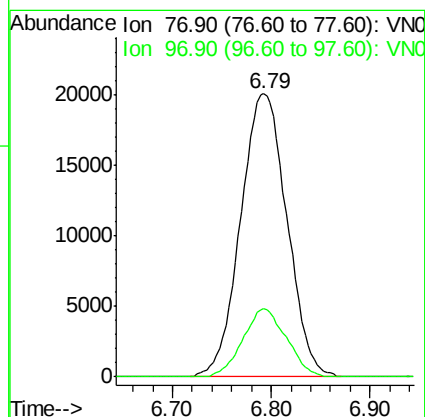
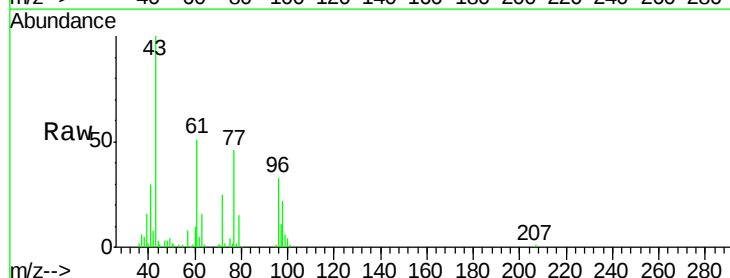
Acq: 12 Mar 2020 10:28

Tgt Ion: 77 Resp: 65167

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.501 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

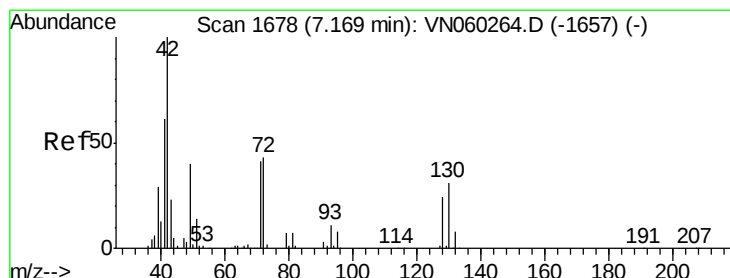
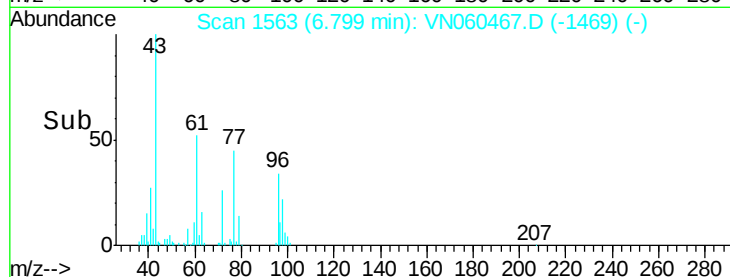
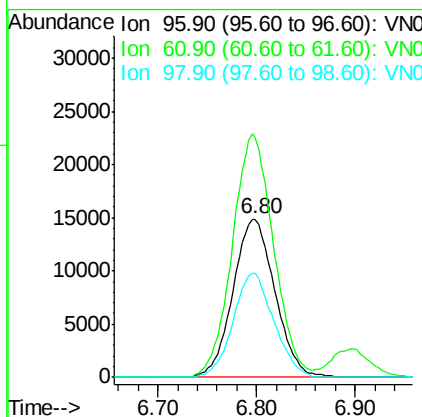
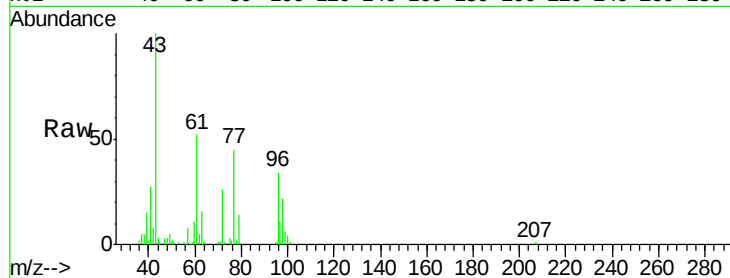
ClientSampleId :

VN0312WBS01

Tot Ion:	96	Resp:	43877
Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	300.8
98	63.7	0.0	128.2

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#28

Bromochloromethane

Concen: 19.229 ug/l

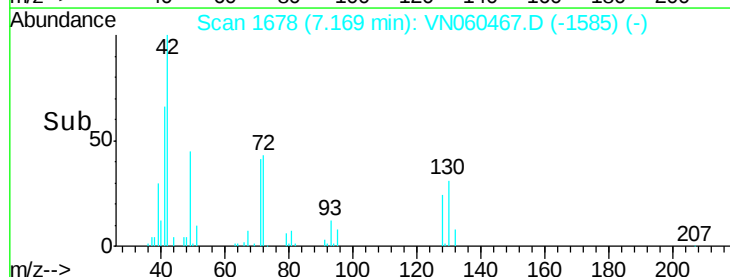
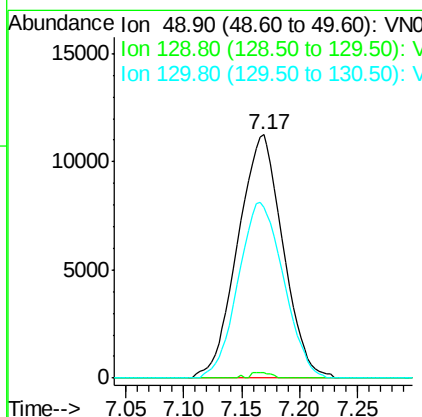
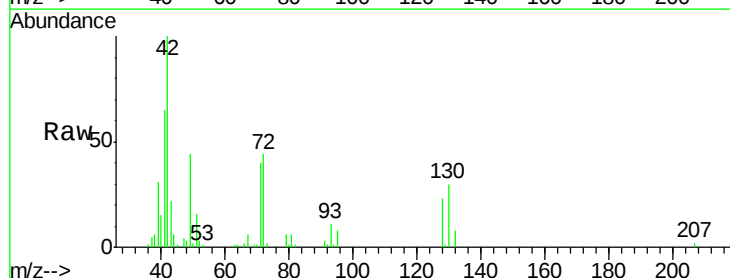
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	49	Resp:	30470
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	72.4	59.8	89.8





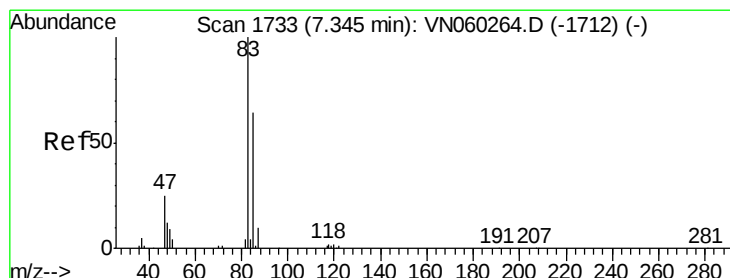
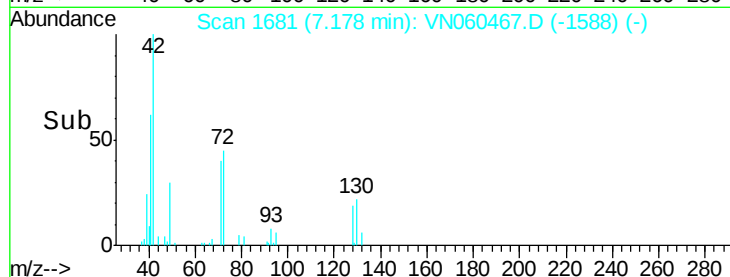
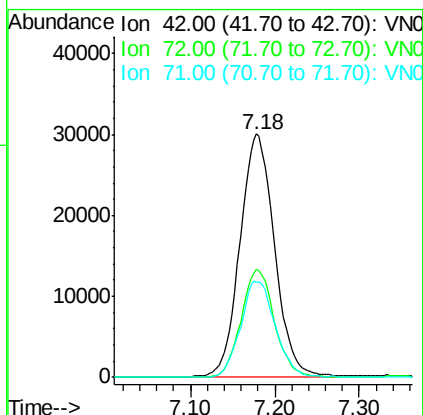
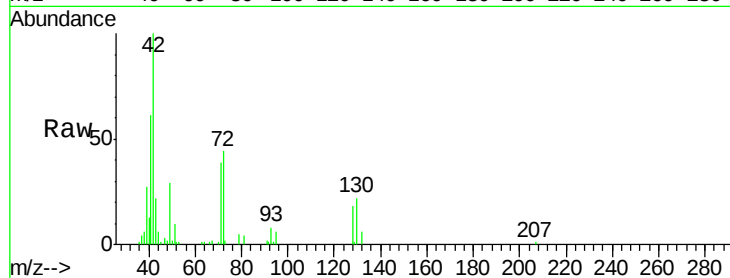
#29
Tetrahydrofuran
Concen: 97.431 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	39.3	32.9	49.3

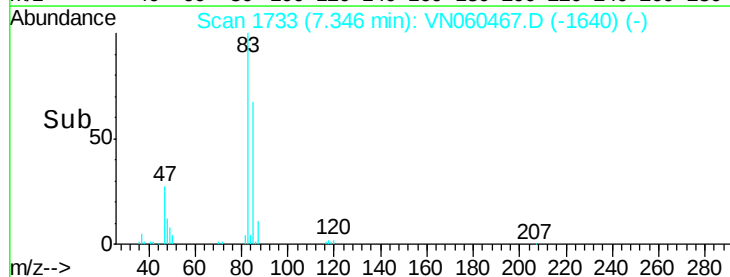
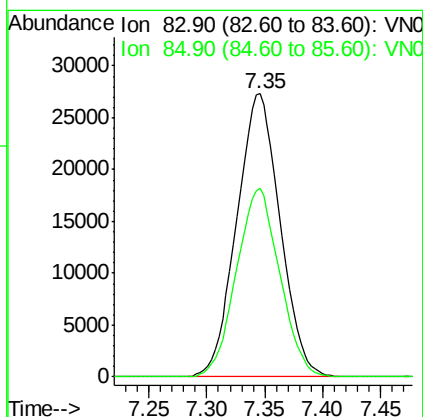
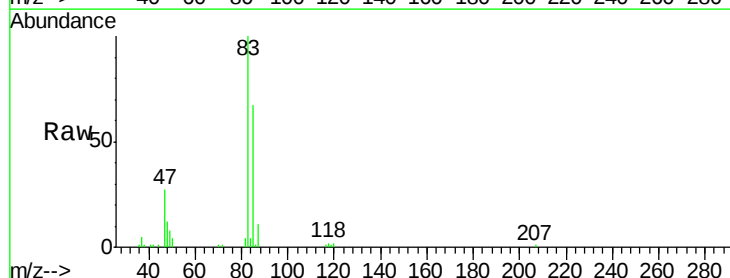
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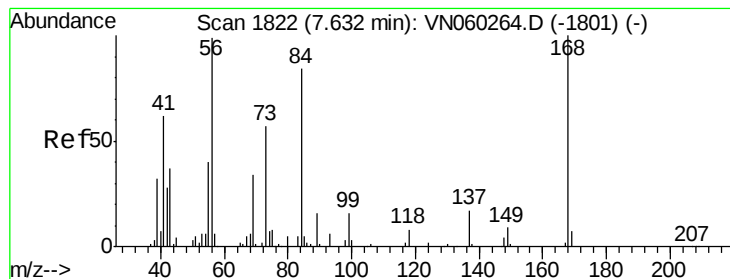
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#30
Chloroform
Concen: 18.507 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2





#31

Cyclohexane

Concen: 18.301 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

Tot Ion: 56 Resp: 63073

Ion Ratio Lower Upper

56 100

69 39.1 27.2 40.8

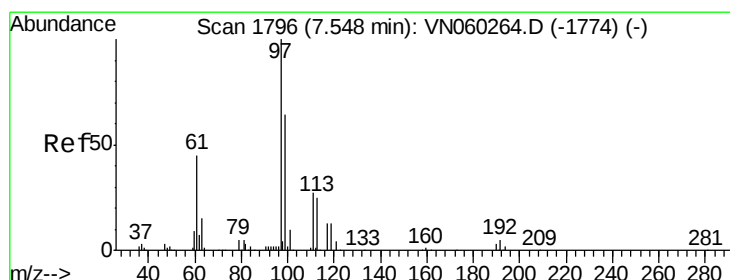
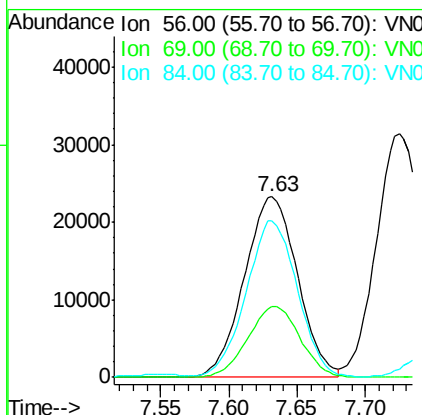
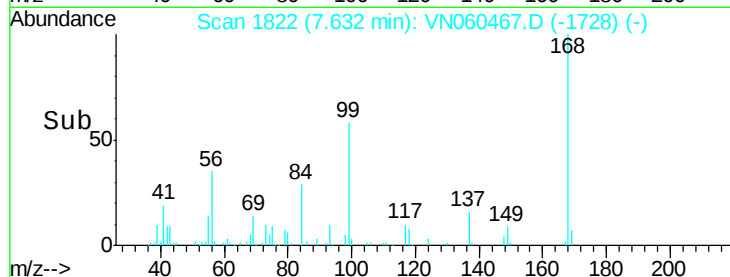
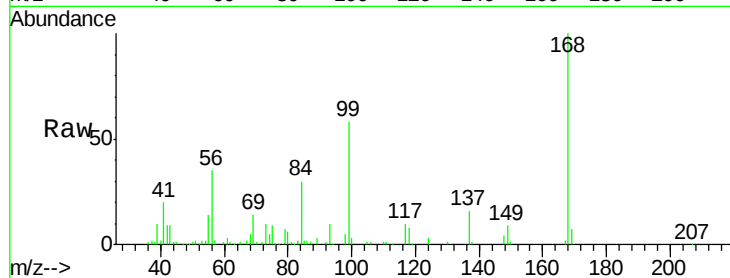
84 86.0 66.7 100.1

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#32

1,1,1-Trichloroethane

Concen: 18.176 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

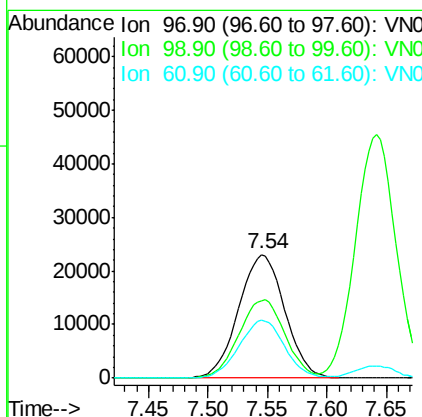
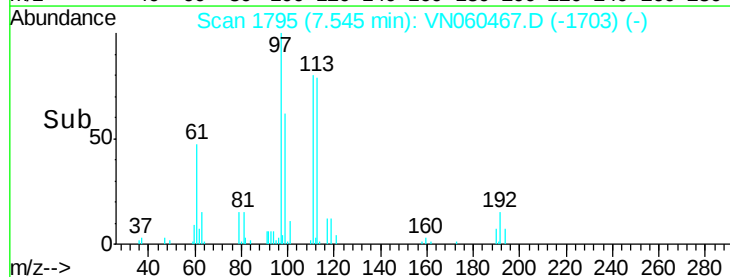
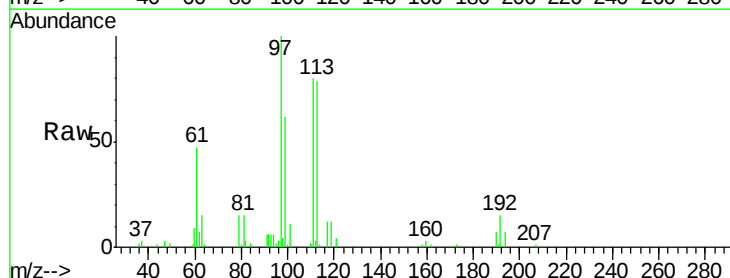
Tgt Ion: 97 Resp: 61871

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

61 46.1 36.6 55.0





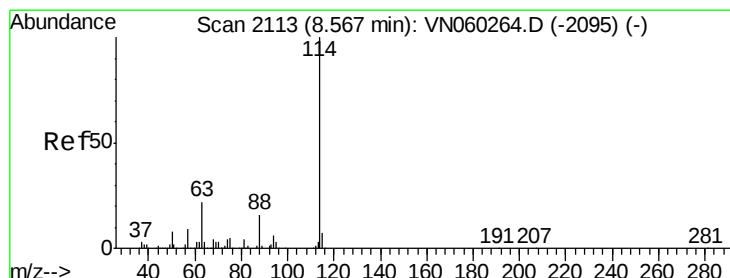
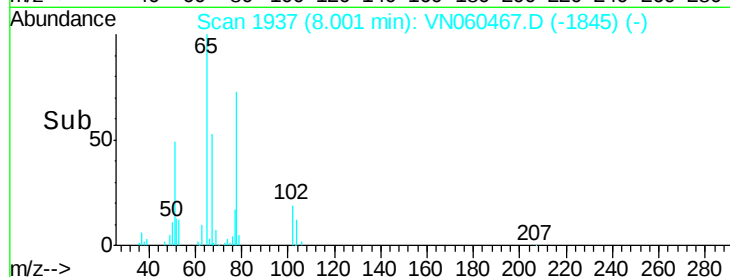
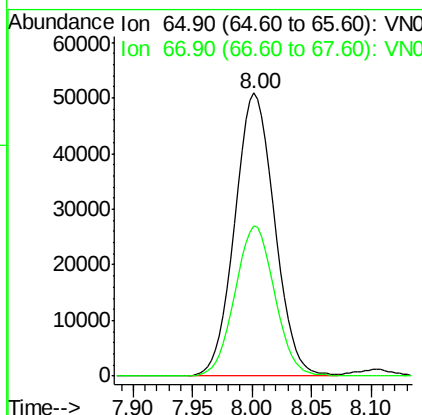
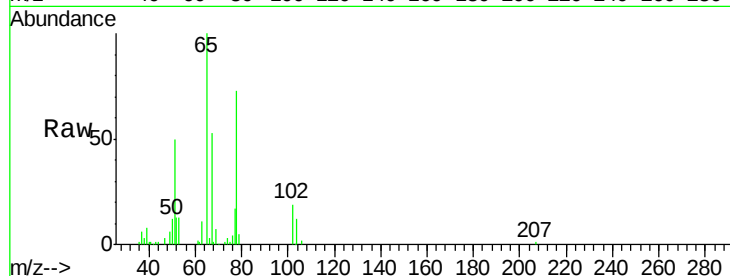
#33
 1,2-Dichloroethane-d4
 Concen: 48.445 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	103.8	

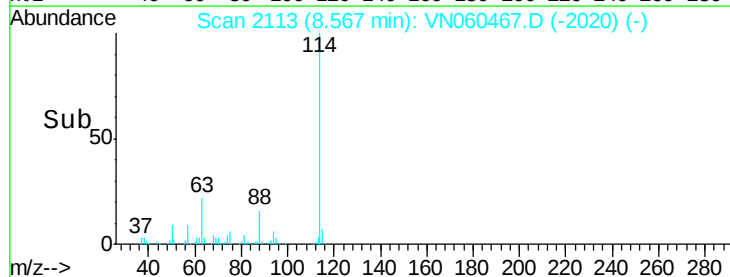
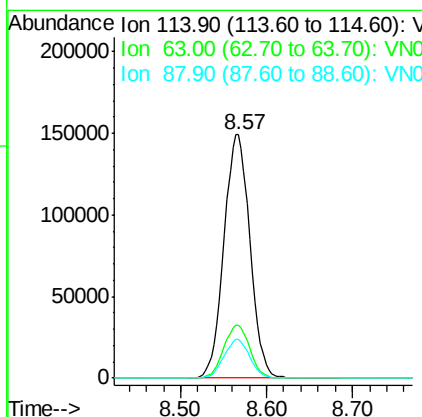
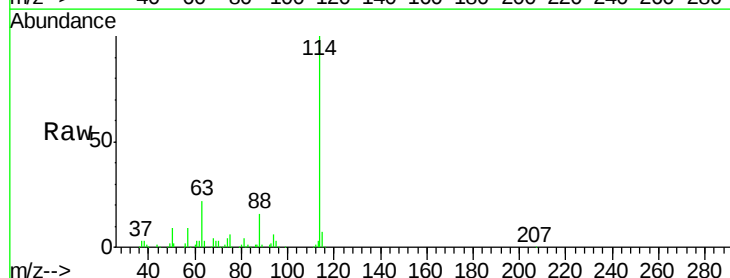
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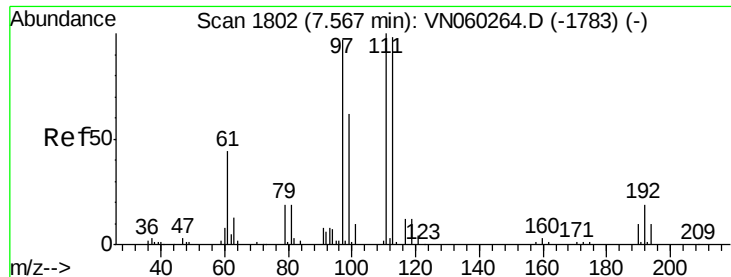
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.2	
88	15.9	0.0	31.6	





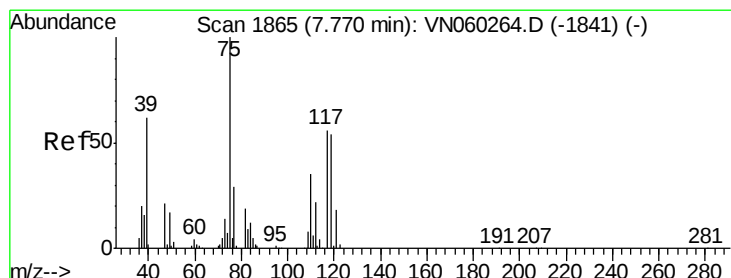
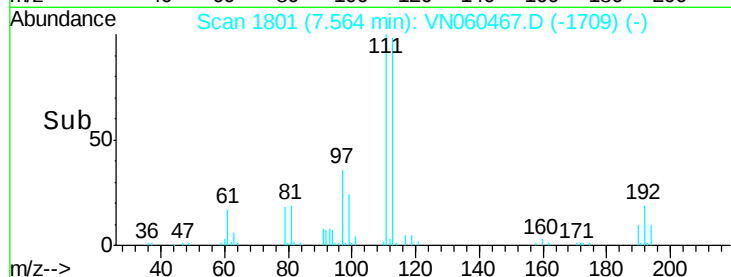
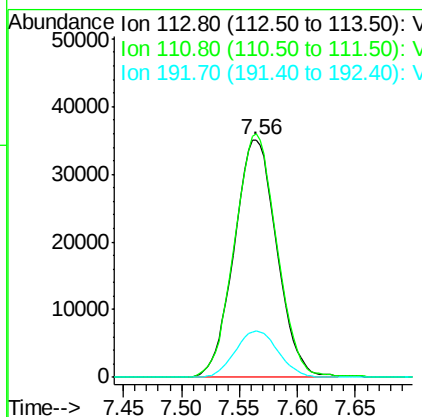
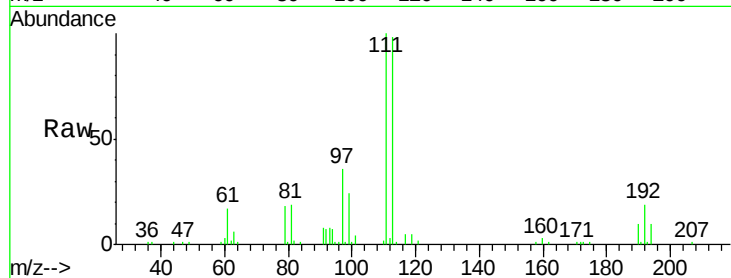
#35
 Dibromofluoromethane
 Concen: 61.577 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	19.6	16.2	24.2

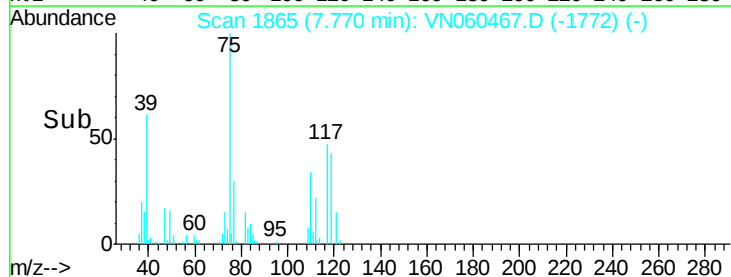
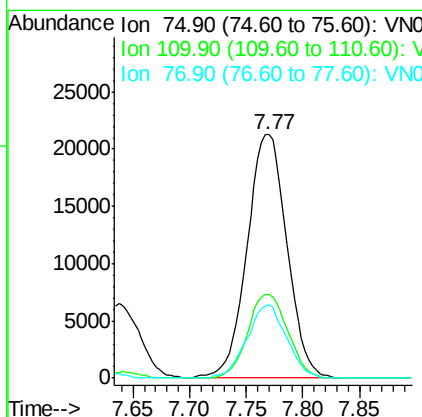
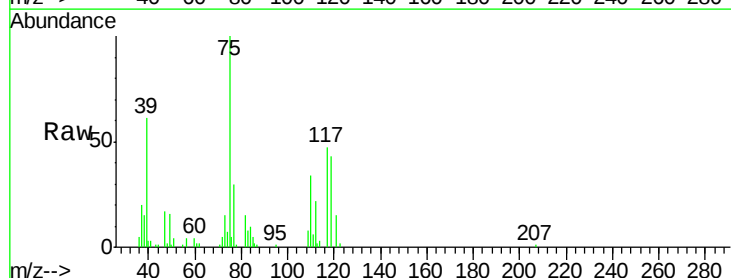
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#36
 1,1-Dichloropropene
 Concen: 17.445 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.3	52.0
77	29.7	24.2	36.2





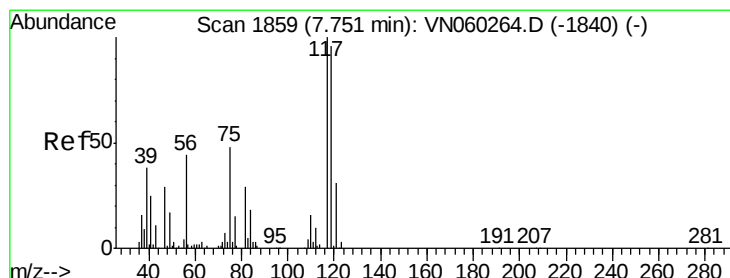
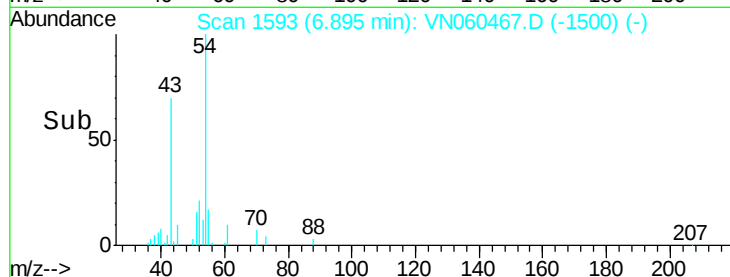
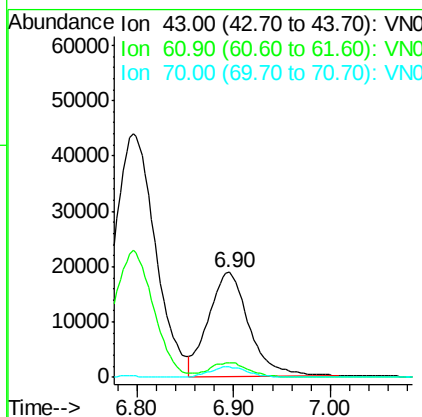
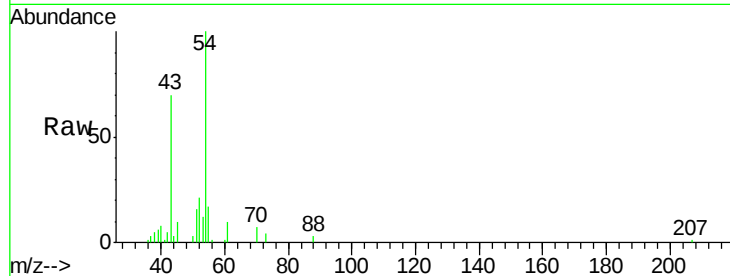
#37
Ethyl Acetate
Concen: 19.253 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.4	8.4	12.6

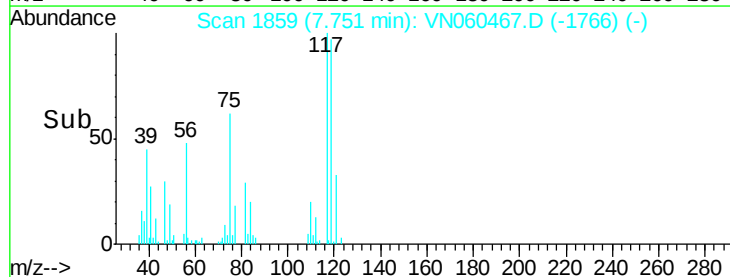
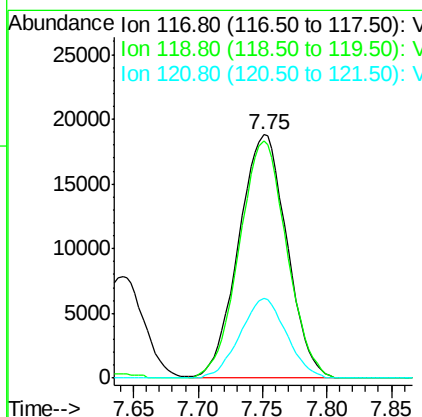
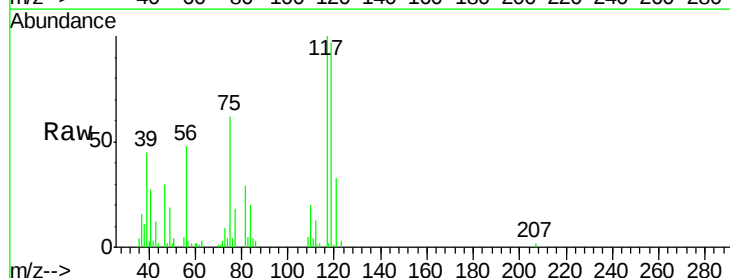
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#38
Carbon Tetrachloride
Concen: 16.876 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.7	115.1
121	32.8	24.5	36.7





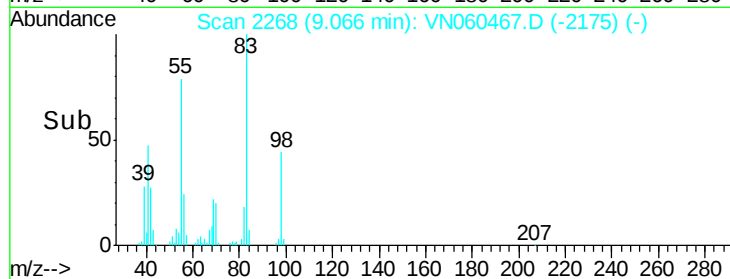
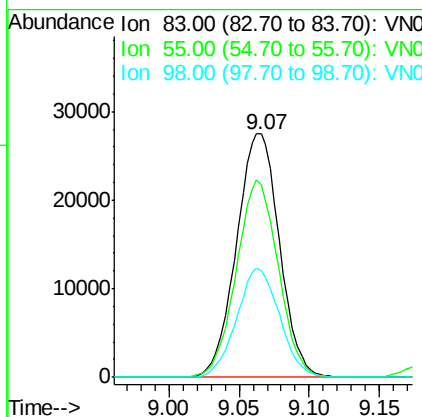
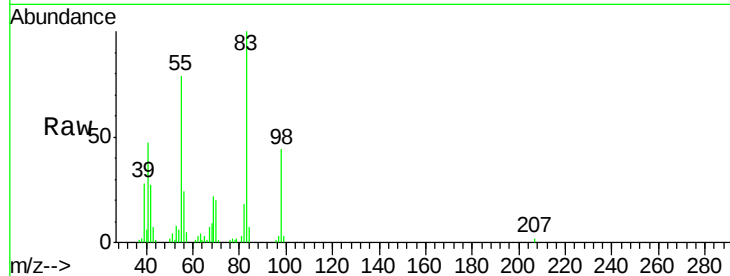
#39
Methvlcvclohexane
Concen: 16.641 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.0	91.4
98	44.0	36.1	54.1

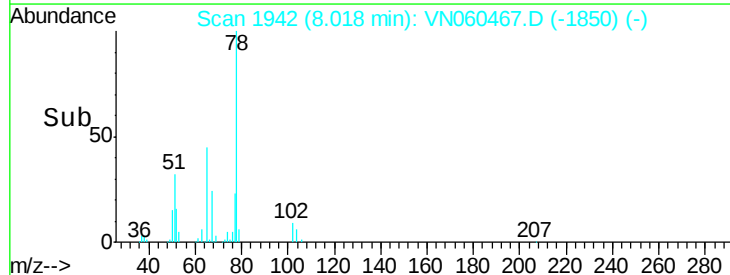
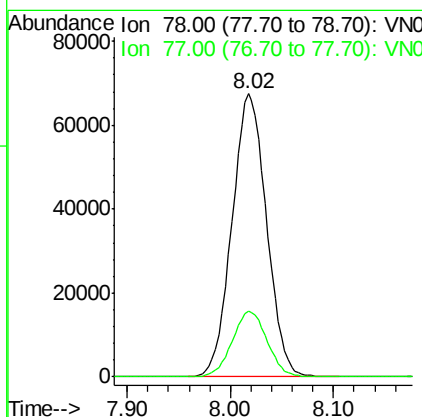
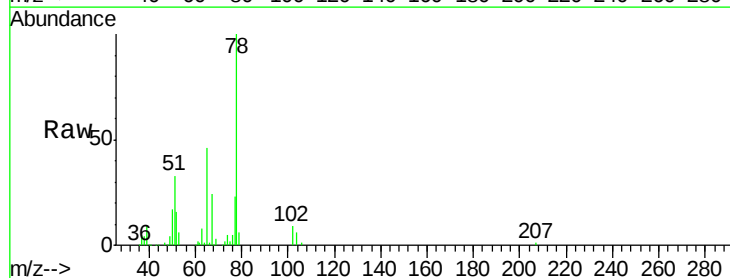
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#40
Benzene
Concen: 18.096 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





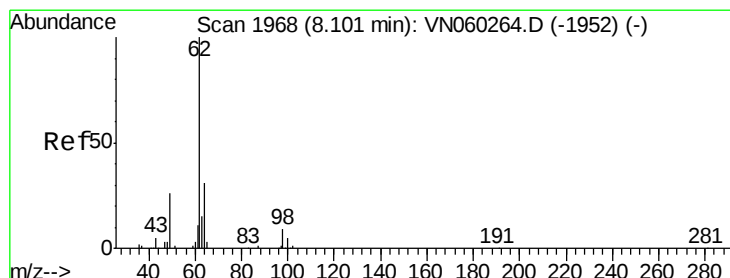
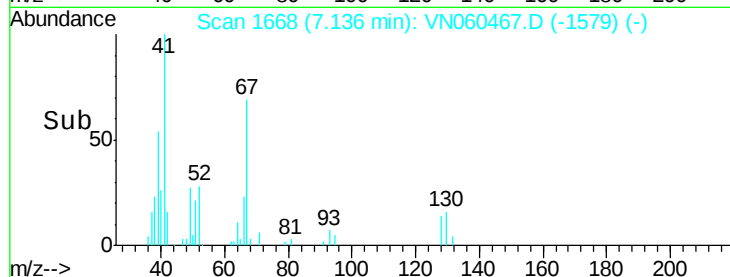
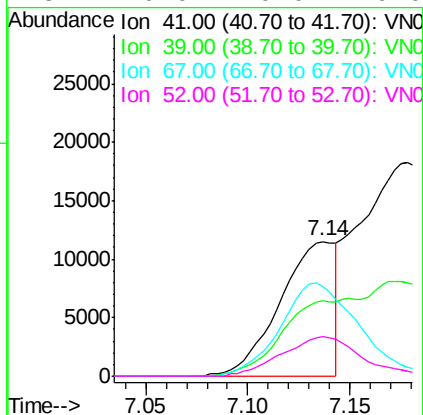
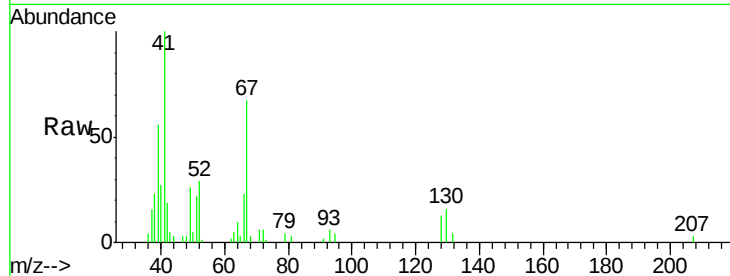
#41
Methacrylonitrile
Concen: 16.737 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	41	Resp	21848
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

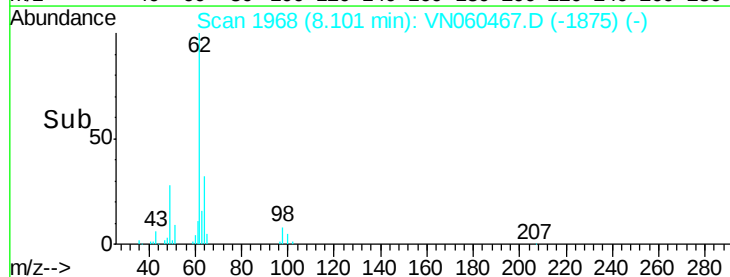
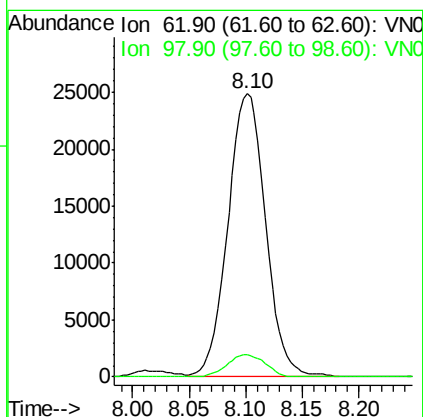
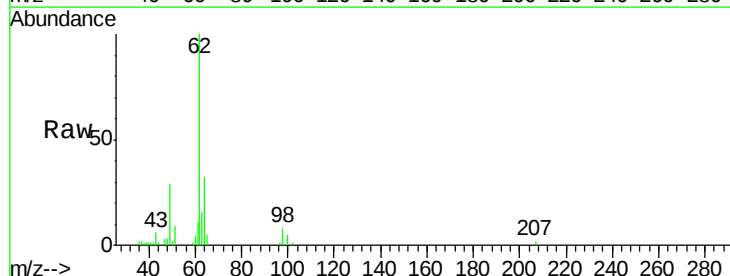
Manual Integrations
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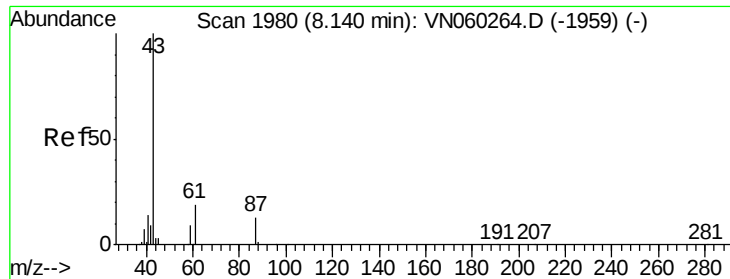
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#42
1,2-Dichloroethane
Concen: 18.423 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	62	Resp	57772
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.335 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

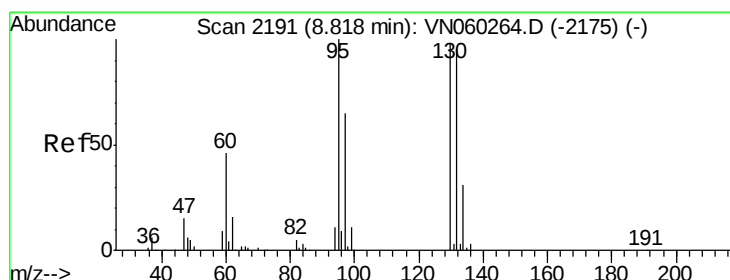
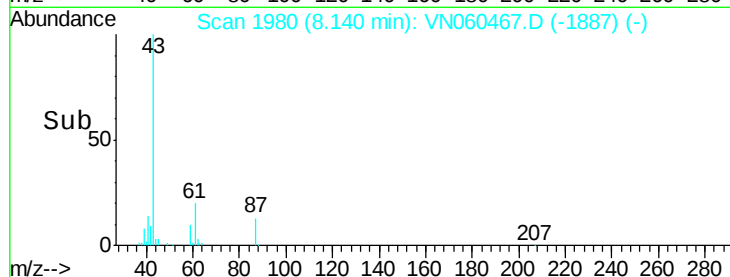
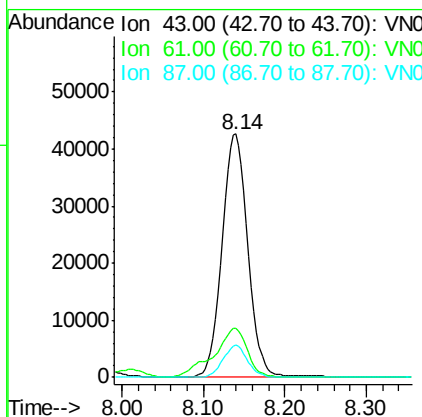
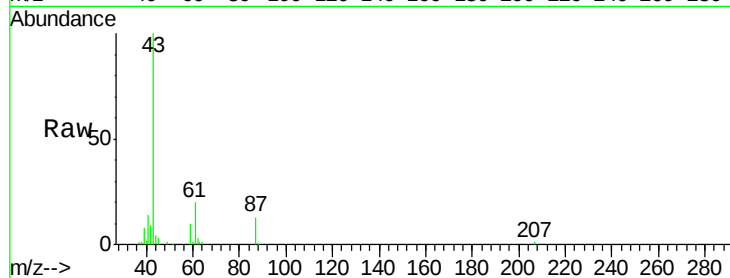
ClientSampled :

VN0312WBS01

Tot Ion:	43	Resp:	95696
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.9	31.3
87	12.2	10.6	16.0

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#44

Trichloroethene

Concen: 17.278 ug/l

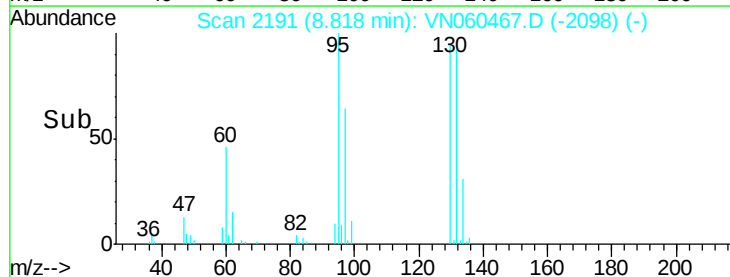
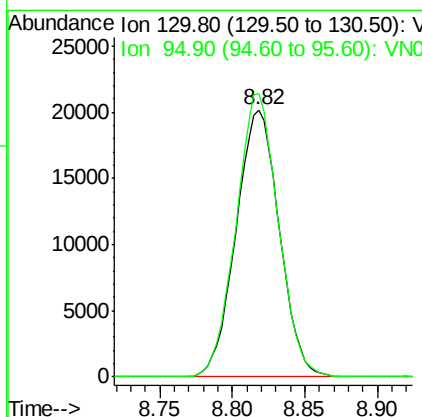
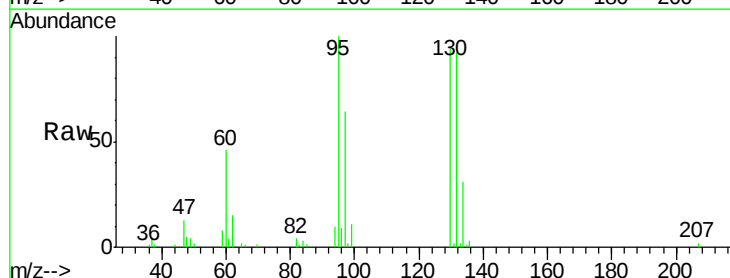
RT: 8.82 min Scan# 2191

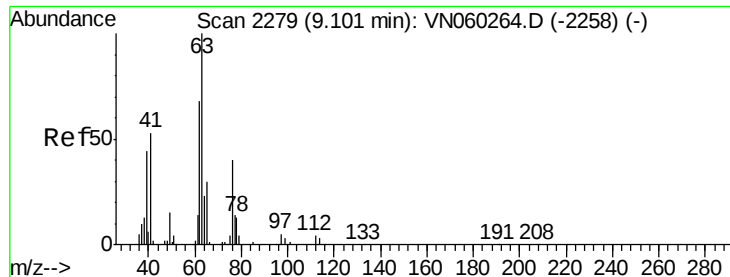
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	130	Resp:	41817
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.929 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 63 Resp: 45280

Ion Ratio Lower Upper

63 100

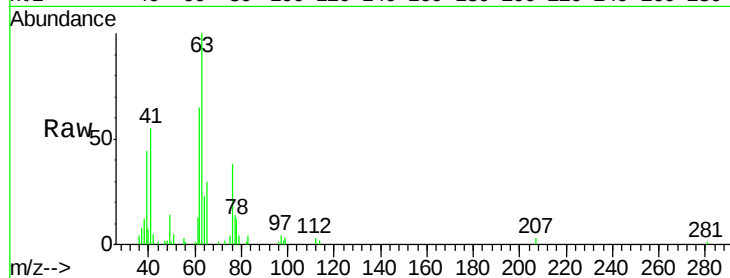
65 29.9 24.4 36.6

Manual Integrations

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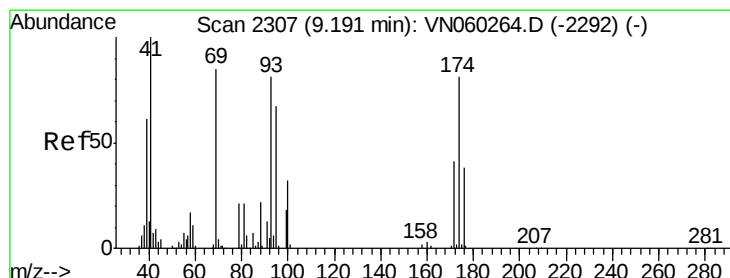
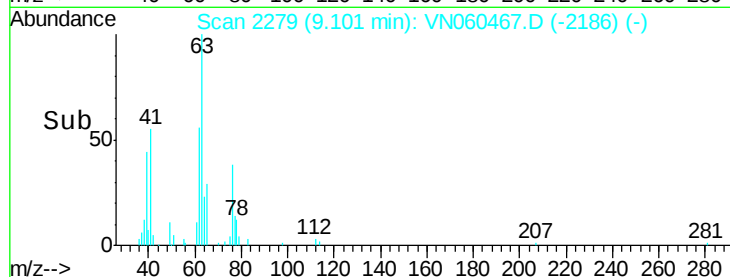
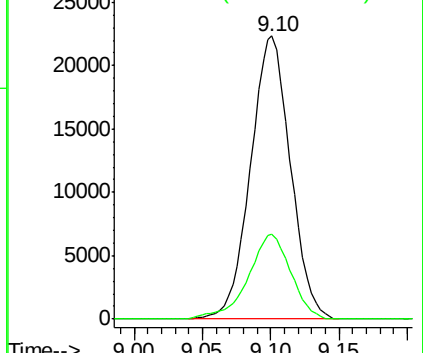
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.162 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

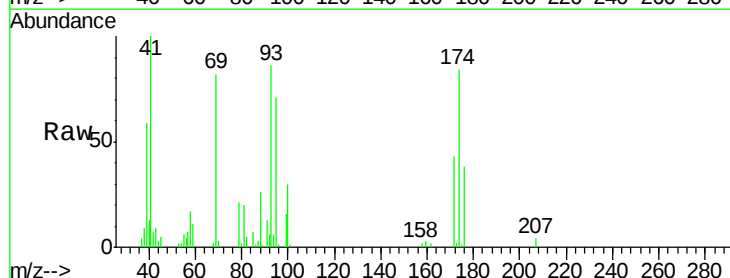
Tgt Ion: 93 Resp: 26775

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

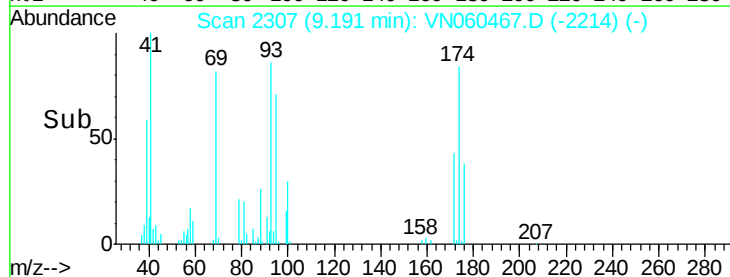
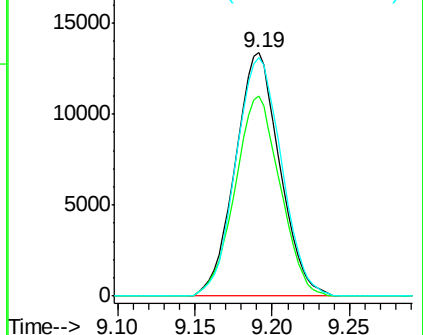
174 100.3 79.6 119.4

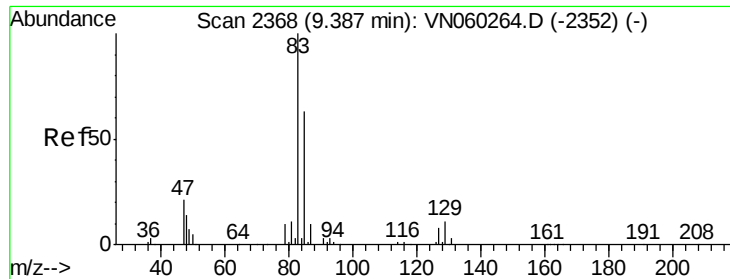


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





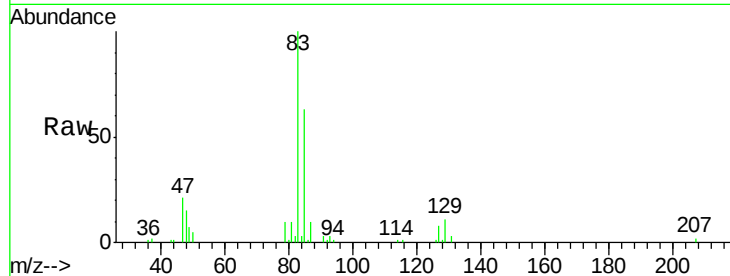
#47
Bromodichloromethane
Concen: 18.804 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	83	Resp	56381
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.7	76.1
127	8.4	6.8	10.2

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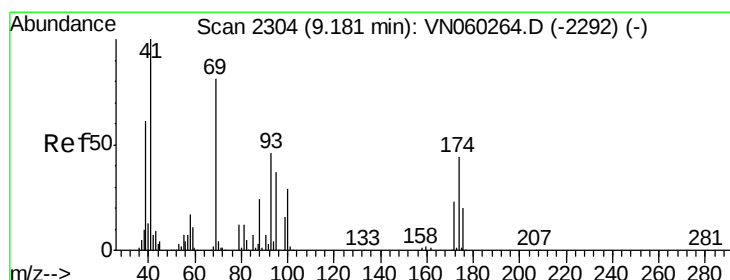
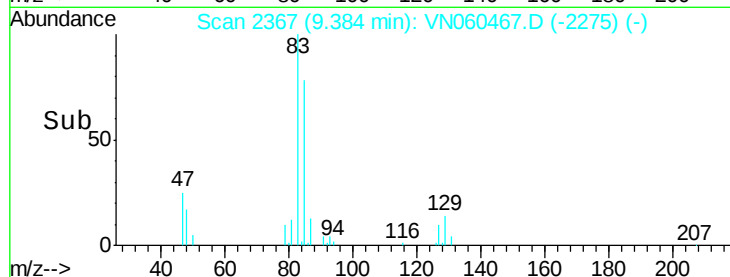
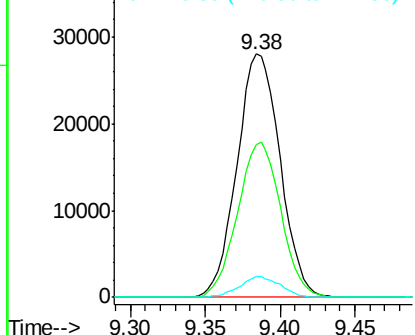
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Abundance Ion 82.90 (82.60 to 83.60): VN060467.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060467.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060467.D (-2275) (-)



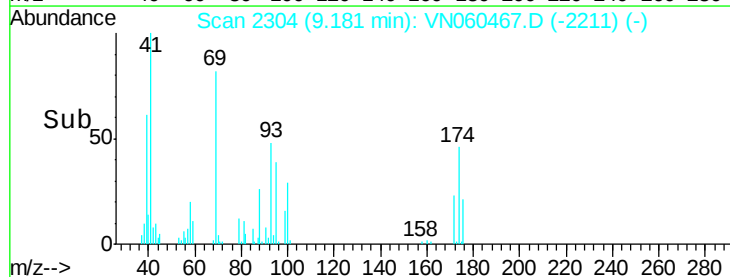
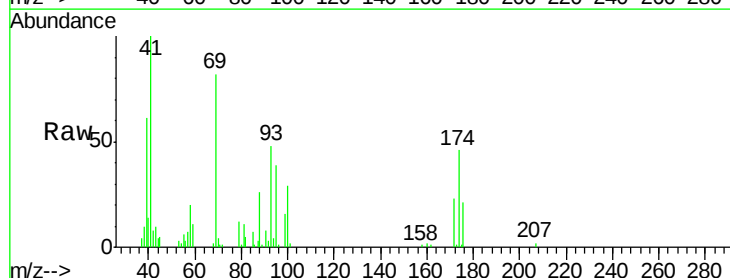
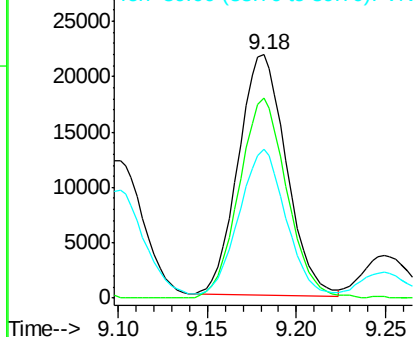
#48
Methyl methacrylate
Concen: 18.090 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	41	Resp	40829
Ion Ratio	100	Lower	Upper
41	100		
69	83.0	66.7	100.1
39	58.8	50.1	75.1

Abundance Ion 41.00 (40.70 to 41.70): VN060467.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060467.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060467.D (-2211) (-)





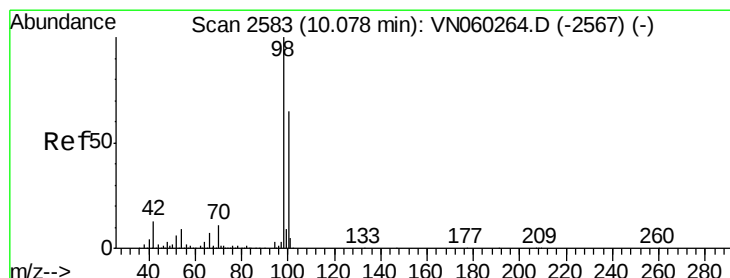
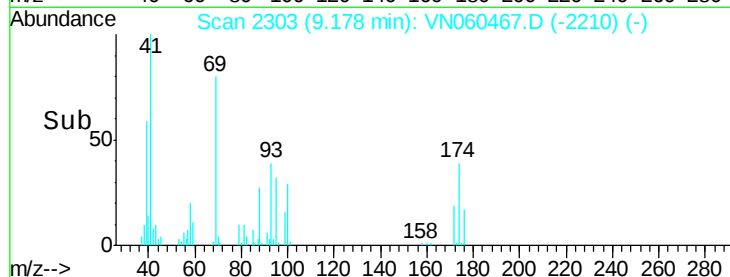
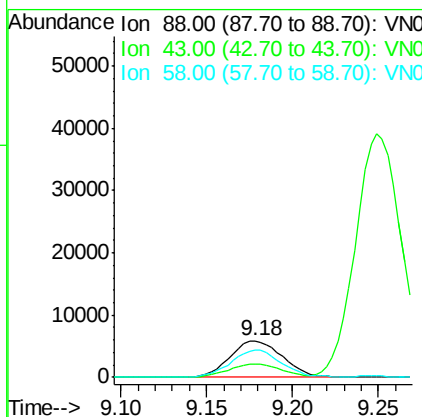
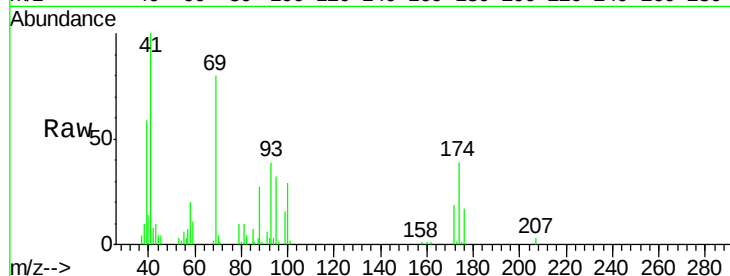
#49
1,4-Dioxane
Concen: 392.137 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

Tot Ion	88	Resp	12446
Ion Ratio	Lower	Upper	
88	100		
43	37.2	30.4	45.6
58	71.1	57.0	85.6

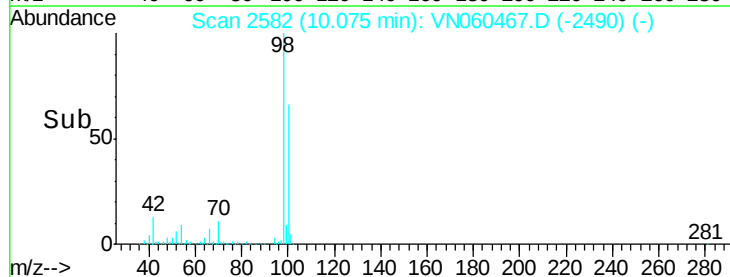
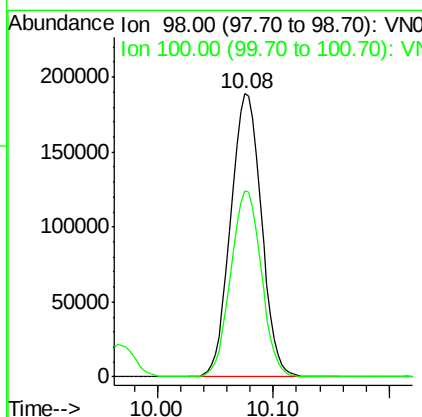
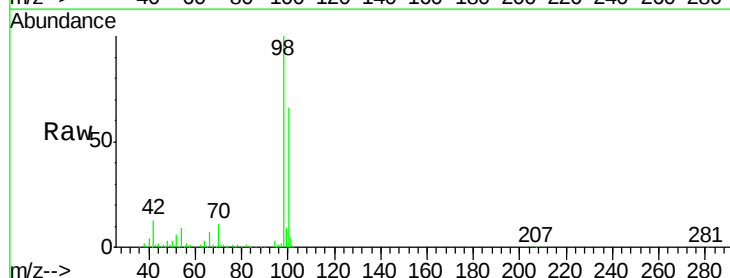
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#50
Toluene-d8
Concen: 46.982 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	98	Resp	345766
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.2	78.2





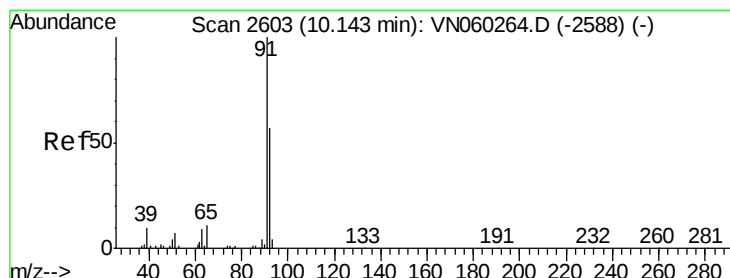
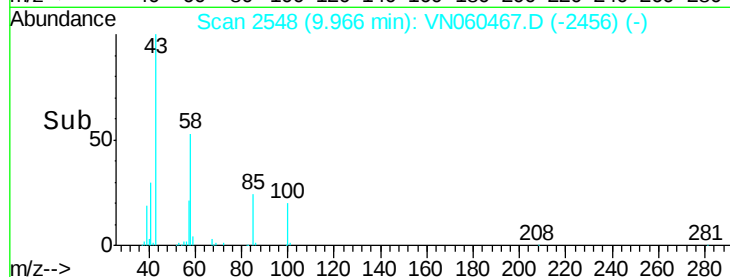
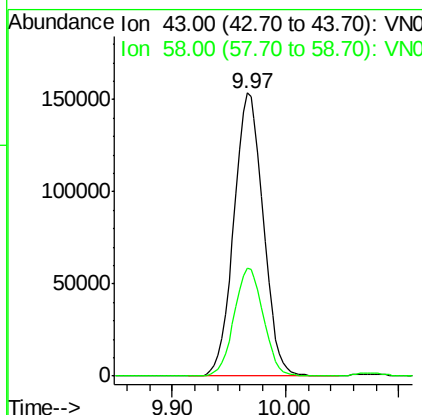
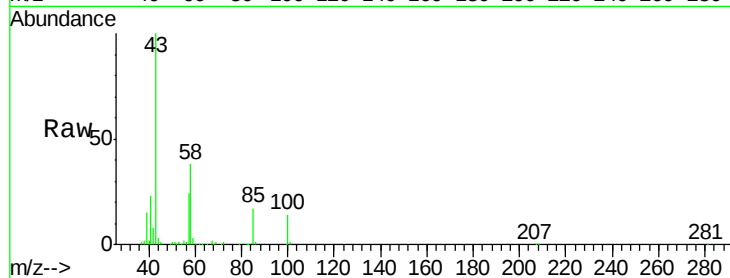
#51
4-Methyl-2-Pentanone
Concen: 98.974 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.9	46.3

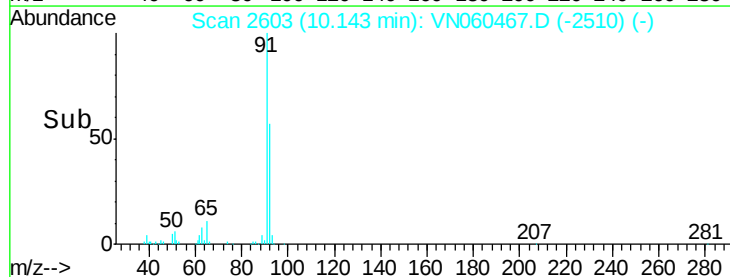
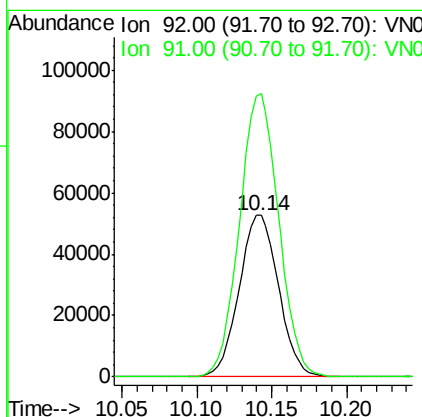
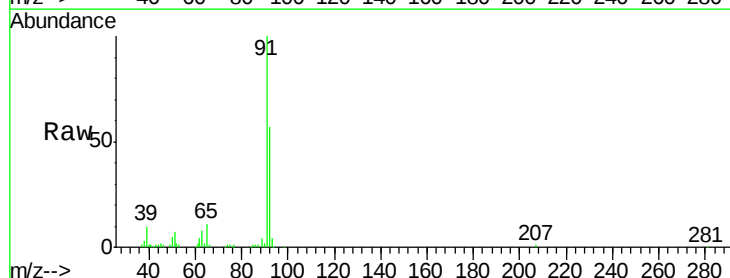
Manual Integrations
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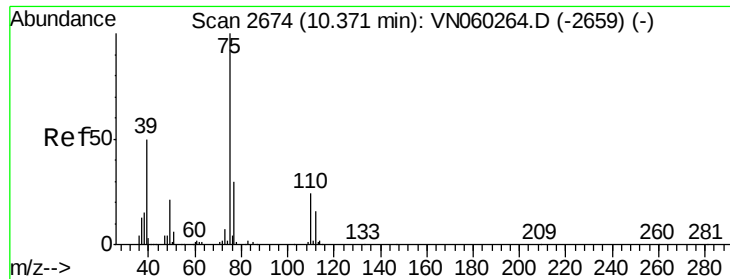
MMDadoda
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#52
Toluene
Concen: 17.693 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 17.483 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 75 Resp: 64232

Ion Ratio Lower Upper

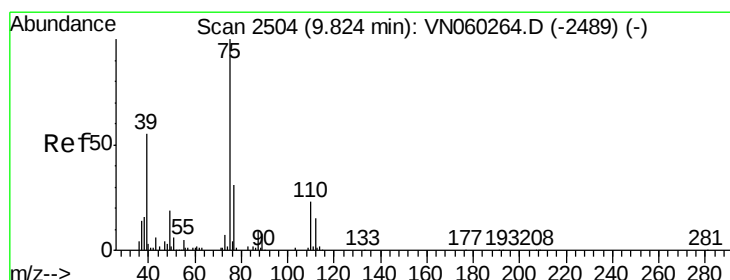
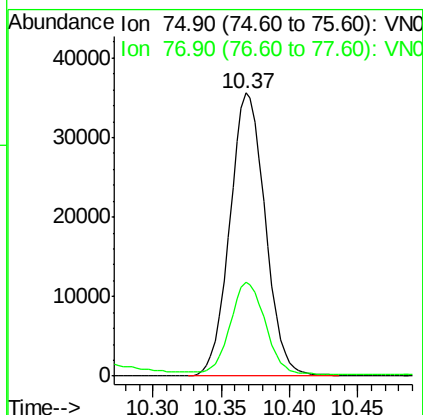
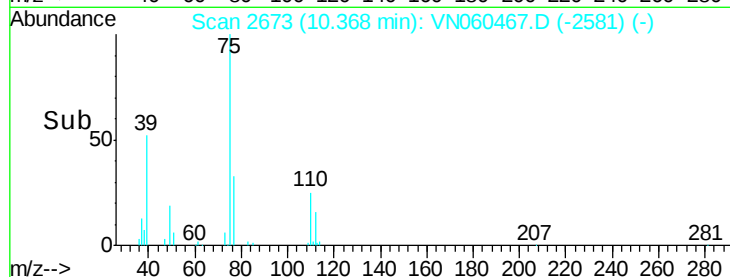
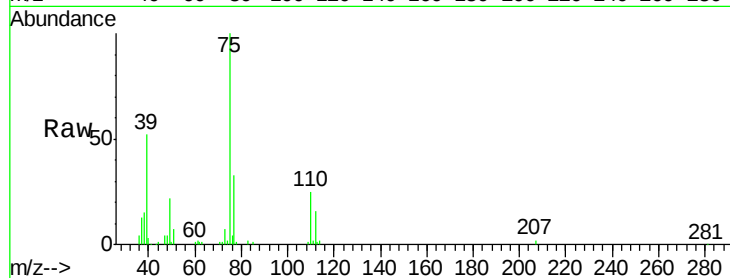
75 100

77 32.5 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 18.428 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

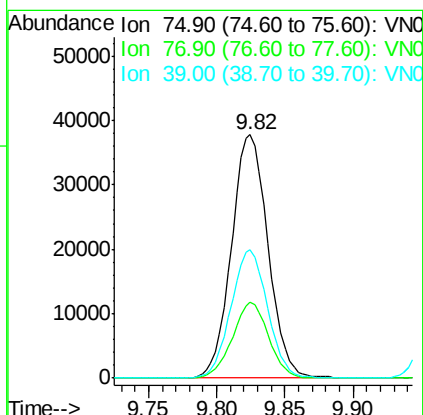
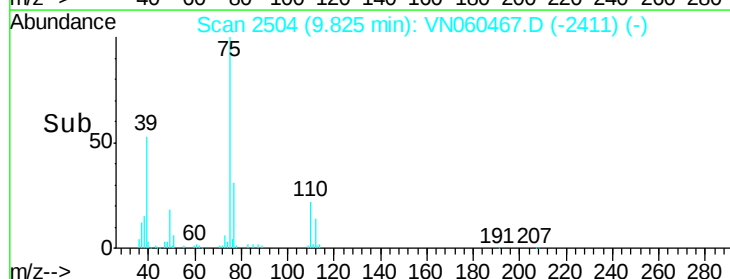
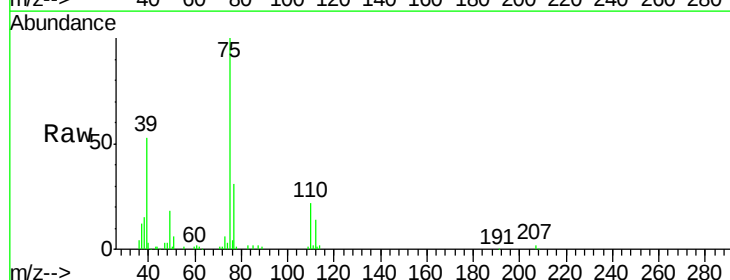
Tgt Ion: 75 Resp: 70155

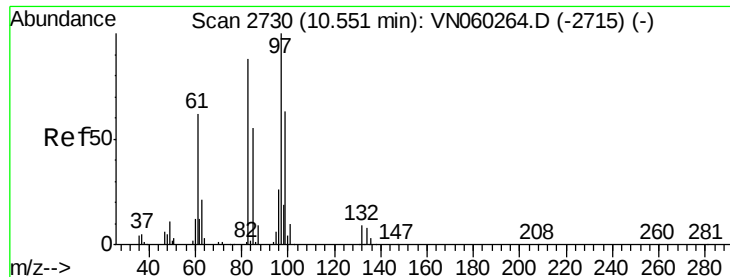
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 52.7 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 18.301 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

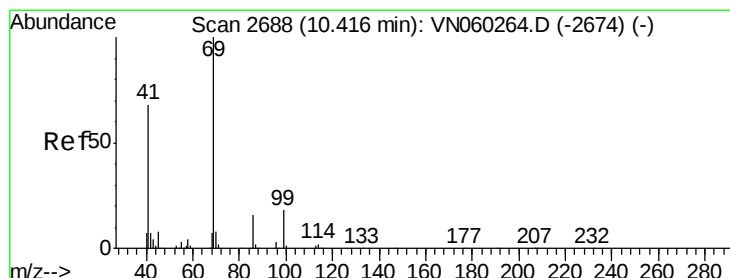
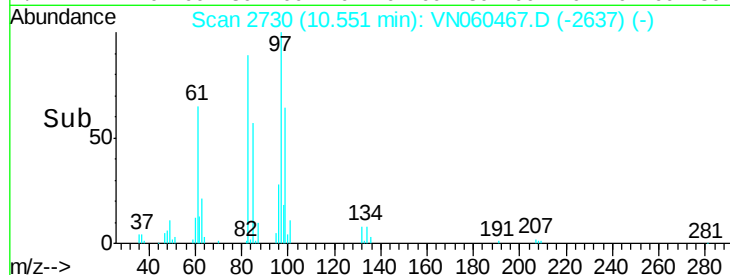
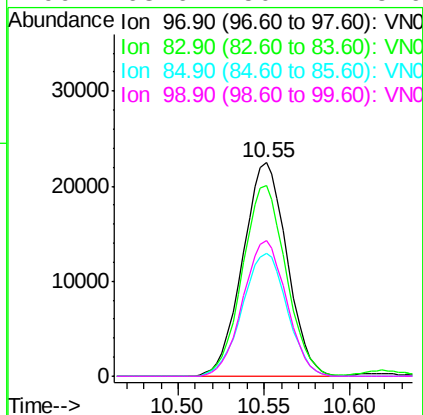
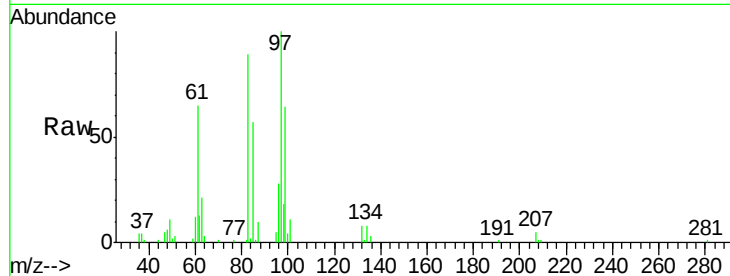
ClientSampleId :

VN0312WBS01

Tot Ion:	97	Resp:	40174
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.0	105.0
85	57.4	44.0	66.0
99	63.6	50.4	75.6

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#56

Ethyl methacrylate

Concen: 18.670 ug/l

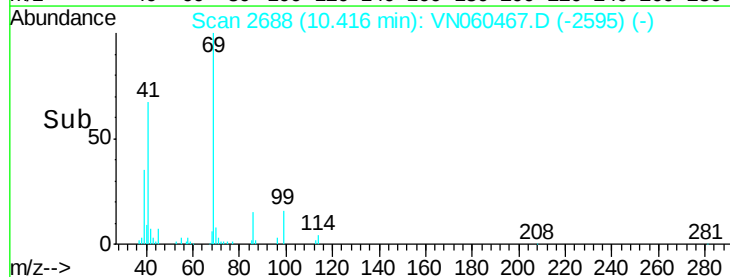
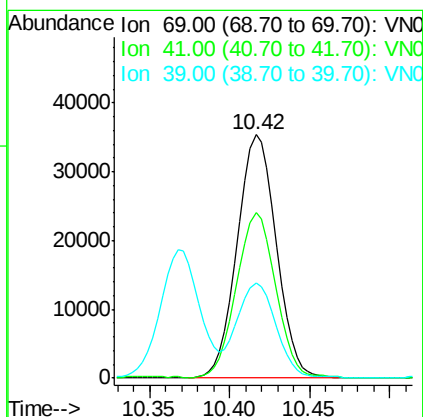
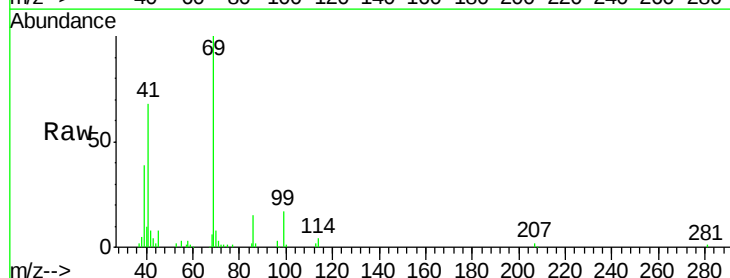
RT: 10.42 min Scan# 2688

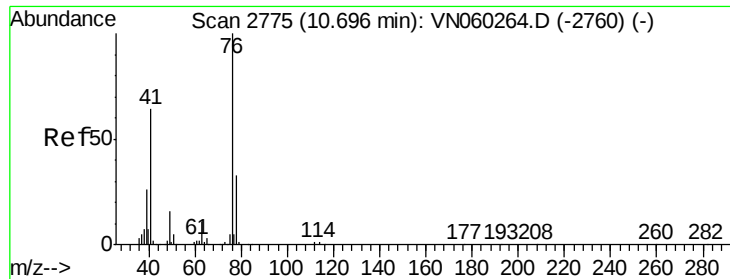
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	69	Resp:	58880
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.1	81.1
39	39.9	32.5	48.7





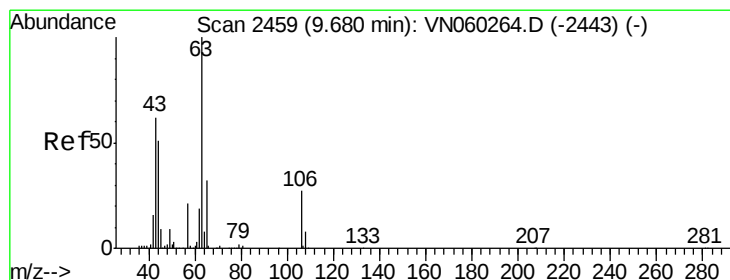
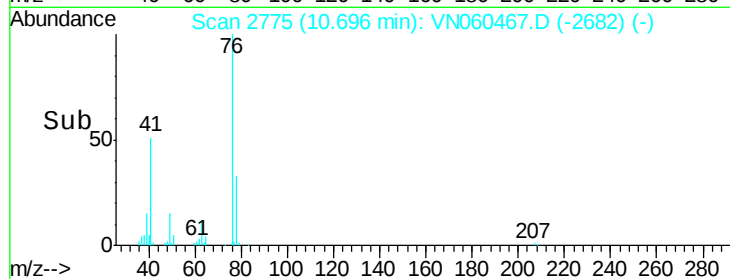
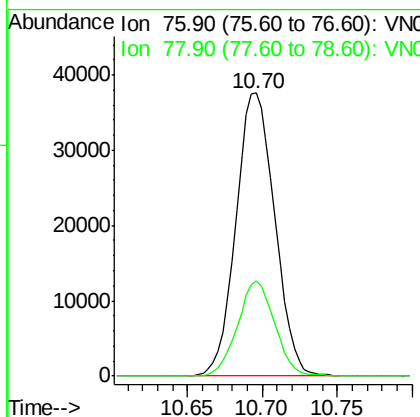
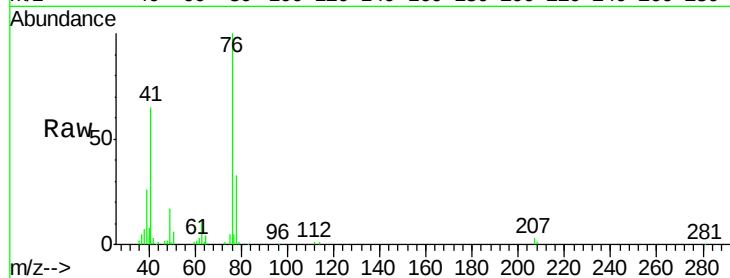
#57
 1,3-Dichloropropane
 Concen: 18.947 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tot Ion: 76 Resp: 67831
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

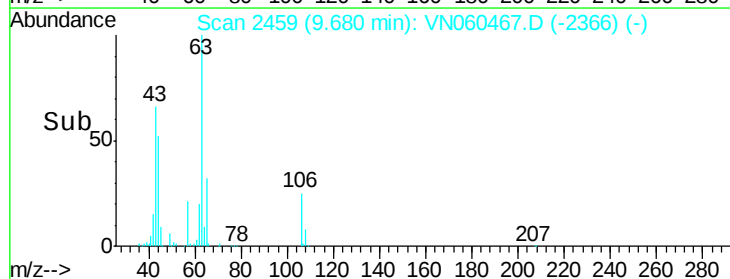
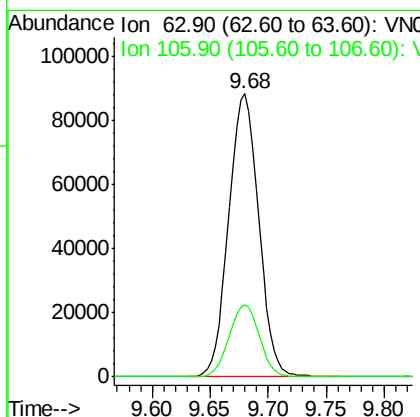
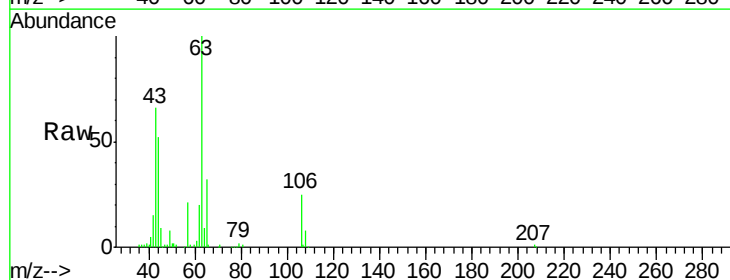
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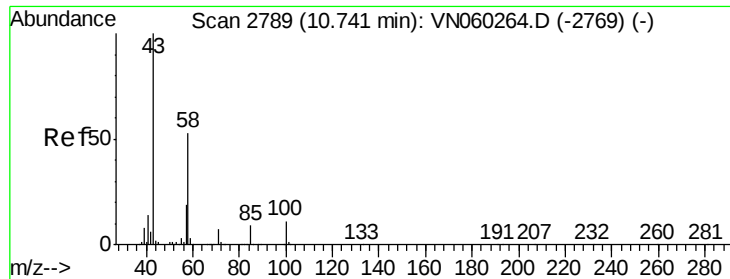
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.173 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 63 Resp: 158632
 Ion Ratio Lower Upper
 63 100
 106 25.5 21.1 31.7





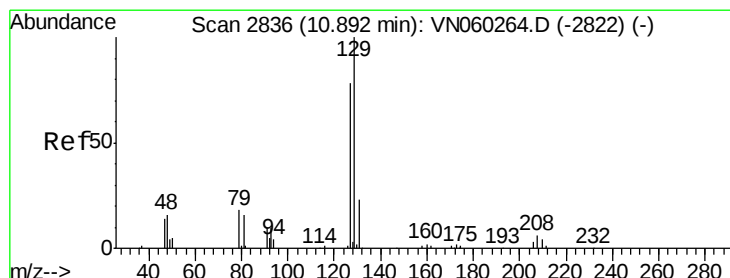
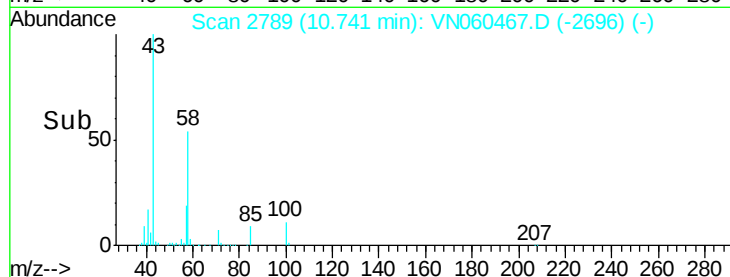
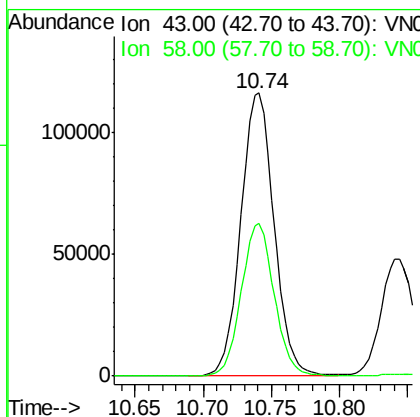
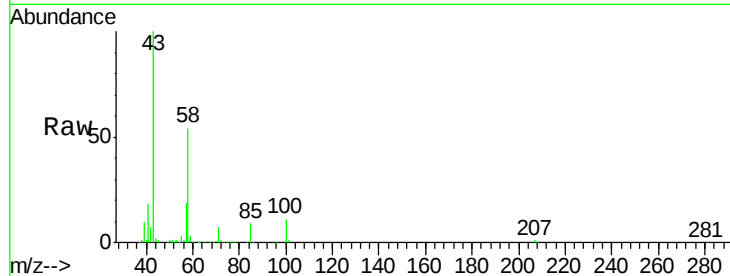
#59
2-Hexanone
Concen: 95.455 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion: 43 Resp: 196672
Ion Ratio Lower Upper
43 100
58 53.3 26.5 79.5

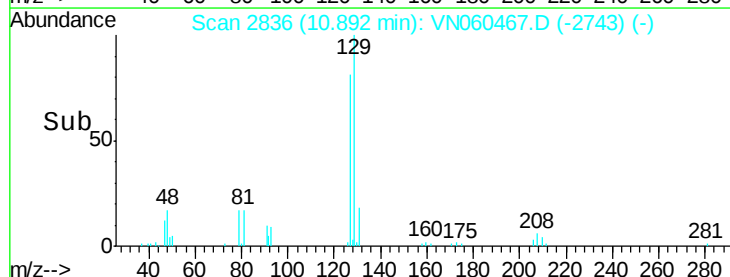
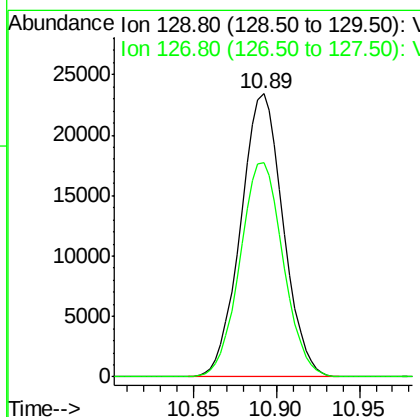
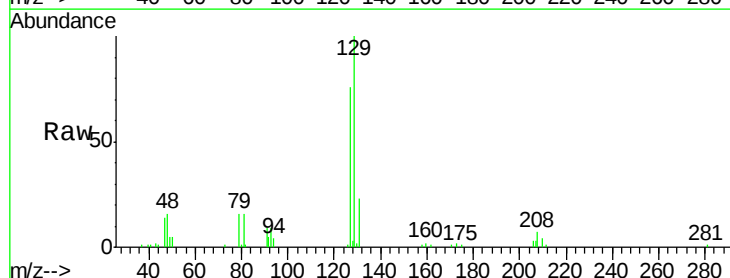
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.742 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 129 Resp: 41841
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





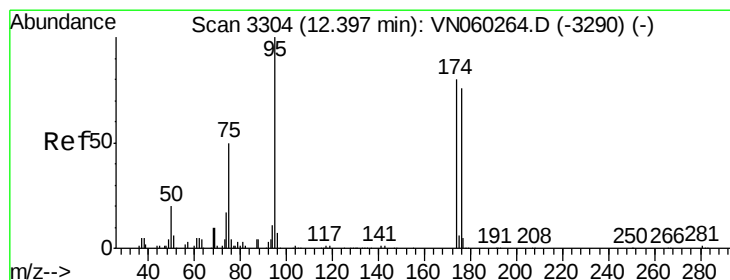
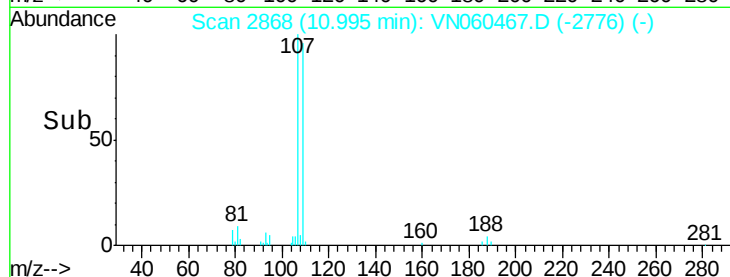
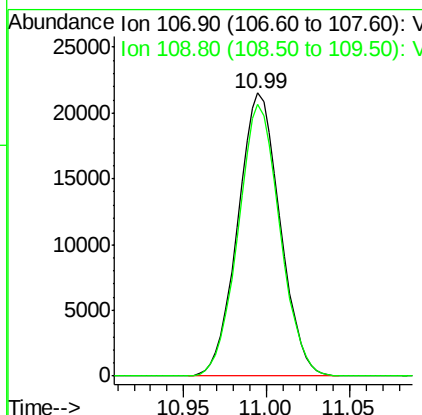
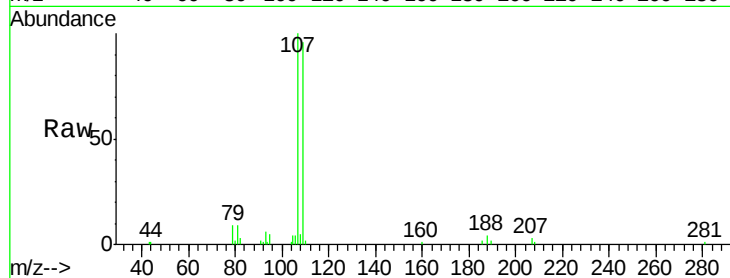
#61
 1,2-Dibromoethane
 Concen: 17.781 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.8	115.2

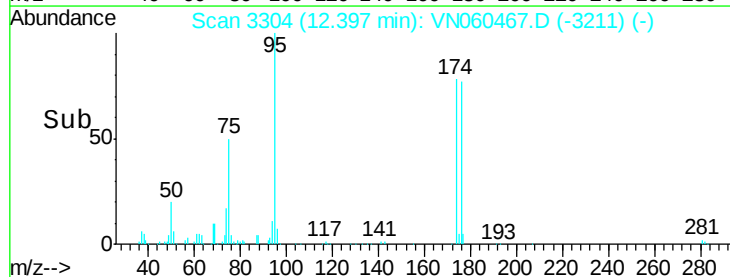
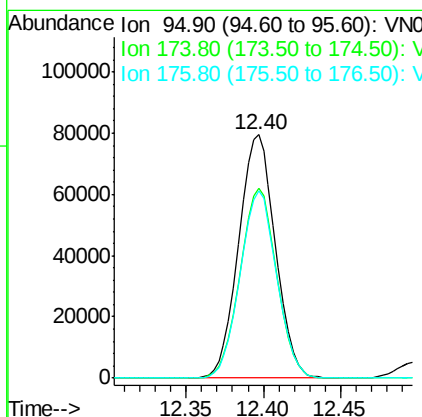
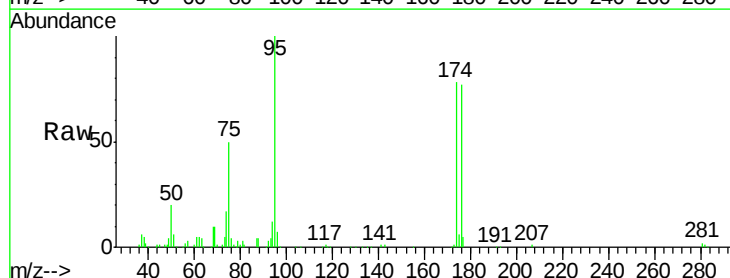
Manual Integrations
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 3/16/2020 11:49:40 AM



#62
 4-Bromofluorobenzene
 Concen: 46.917 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	159.2
176	76.5	0.0	153.8





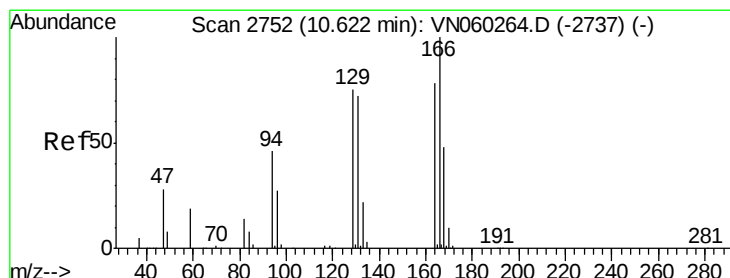
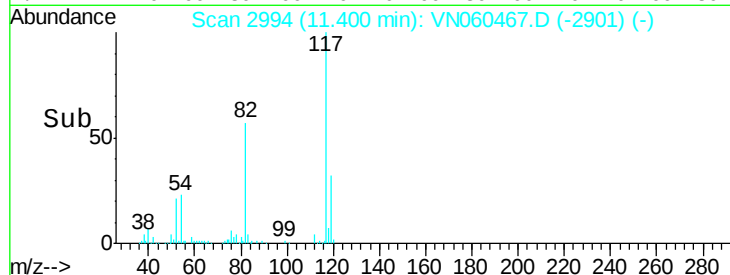
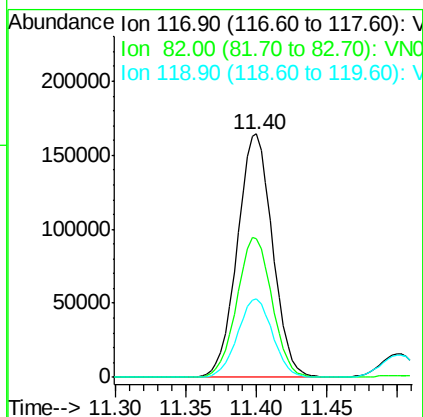
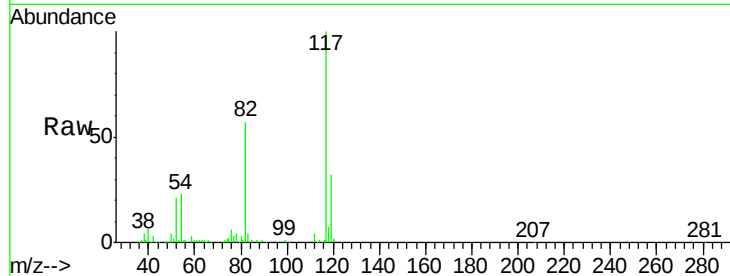
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286912		
82	57.2		45.8	68.6
119	32.3		25.8	38.8

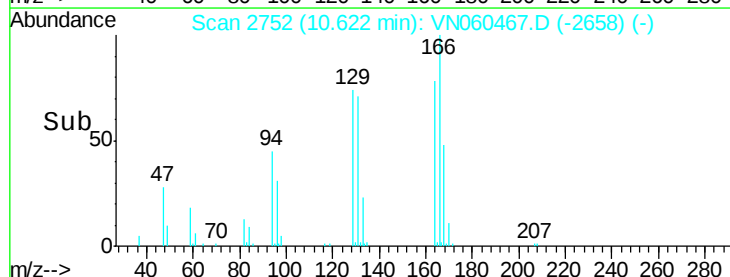
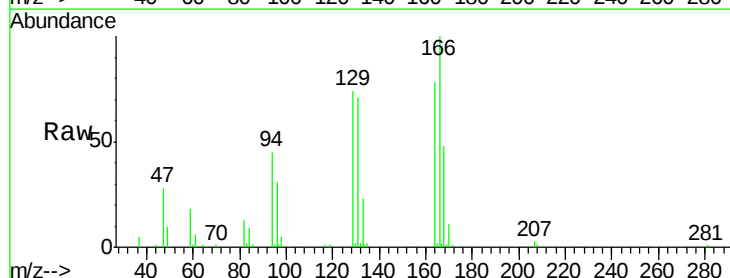
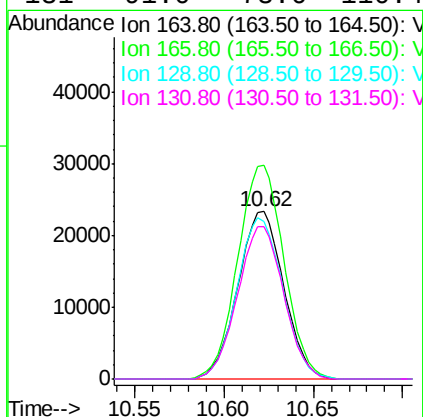
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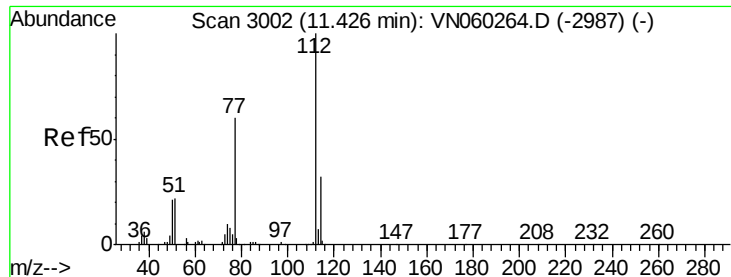
MMDadoda
3/16/2020 11:49:40 AM



#64
Tetrachloroethene
Concen: 17.650 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41938		
166	127.6		102.0	153.0
129	94.1		76.4	114.6
131	91.0		73.6	110.4





#65

Chlorobenzene

Concen: 17.538 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion:112 Resp: 101608

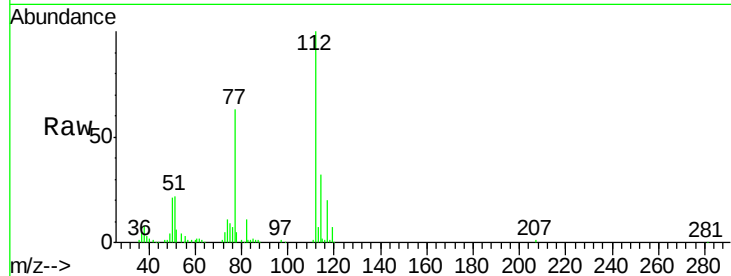
Ion Ratio Lower Upper

112 100

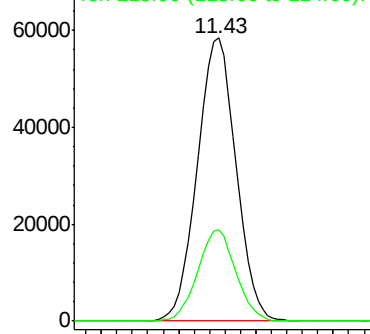
114 32.4 25.4 38.0

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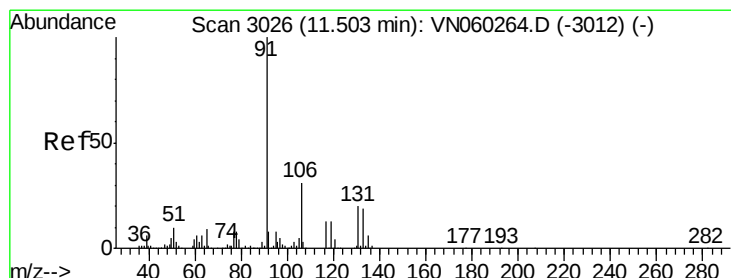
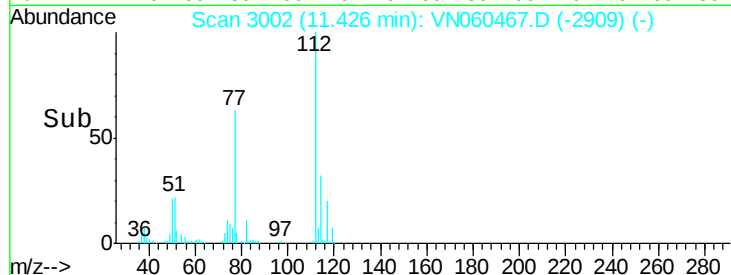
MMDadoda
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.450 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

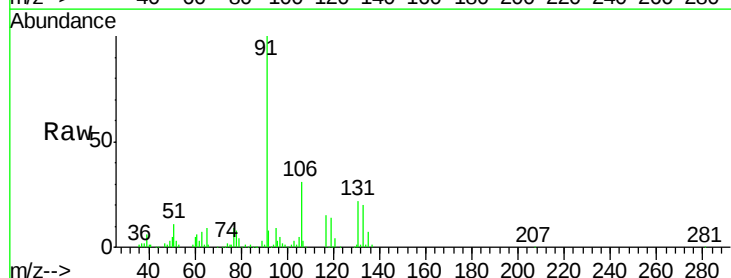
Tgt Ion:131 Resp: 39523

Ion Ratio Lower Upper

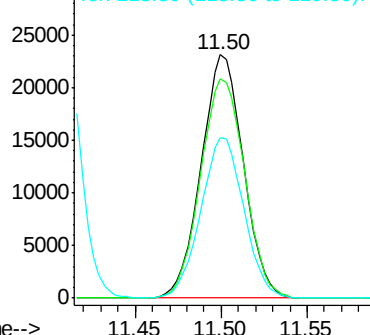
131 100

133 94.1 47.7 143.1

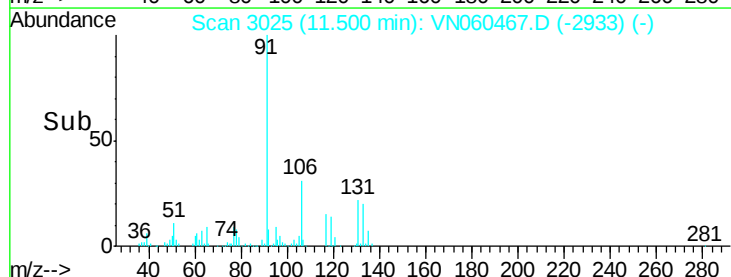
119 67.2 33.2 99.6

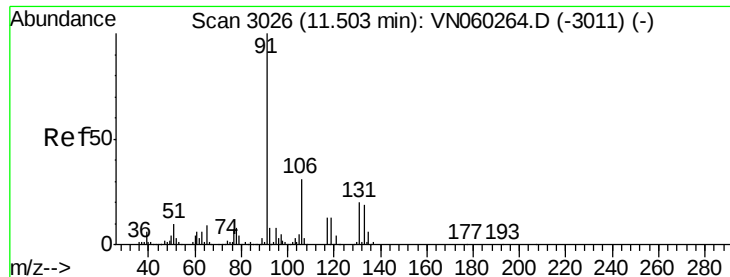


Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 17.925 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 91 Resp: 189113

Ion Ratio Lower Upper

91 100

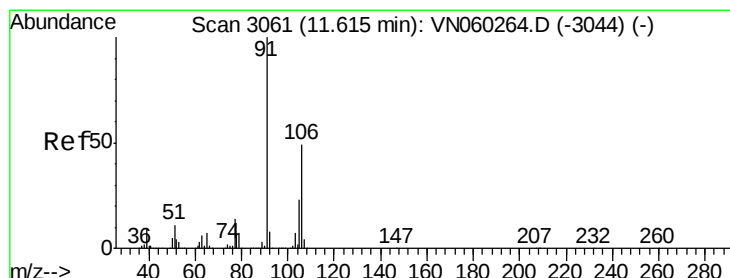
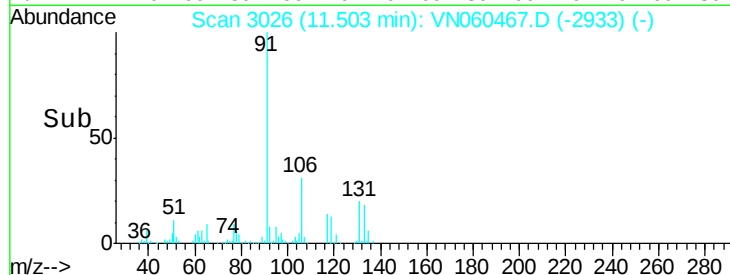
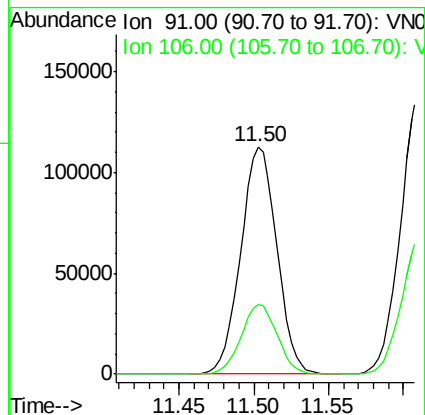
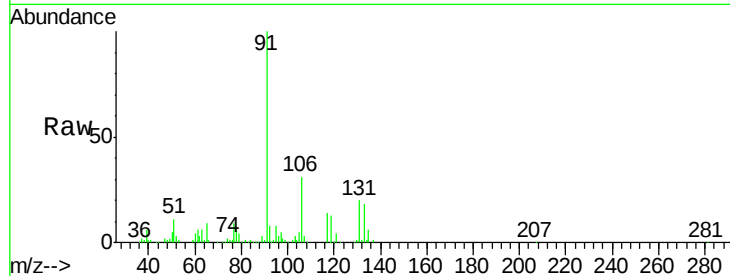
106 30.8 24.7 37.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 34.715 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060467.D

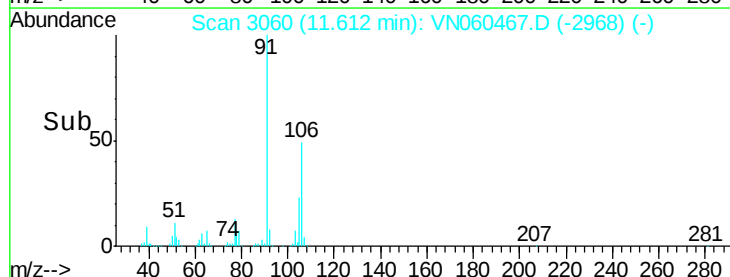
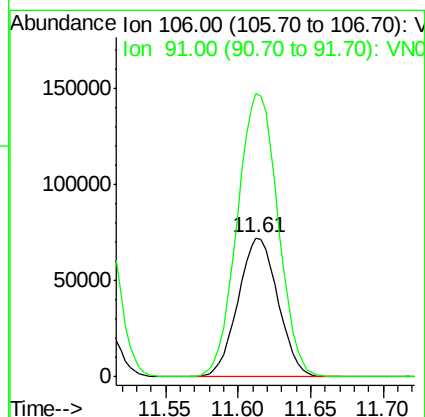
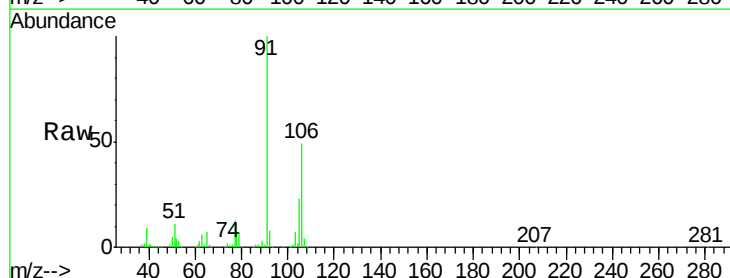
Acq: 12 Mar 2020 10:28

Tgt Ion: 106 Resp: 138184

Ion Ratio Lower Upper

106 100

91 208.2 164.5 246.7





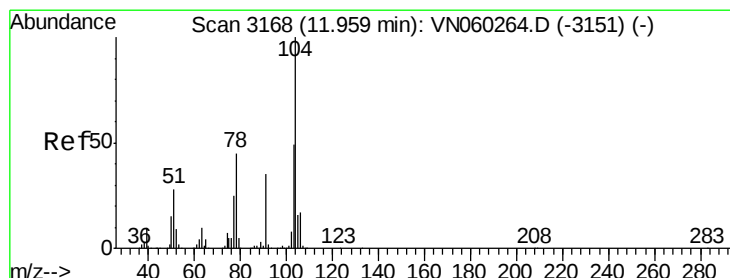
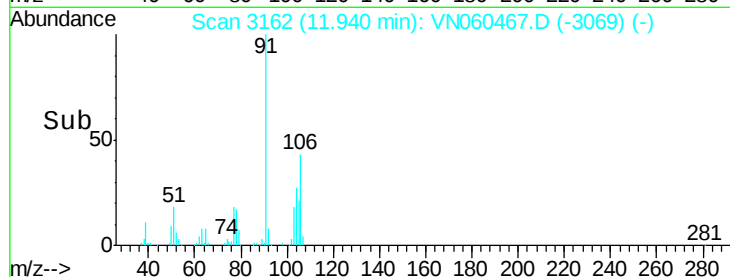
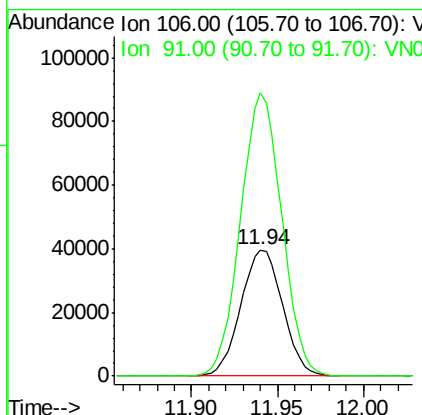
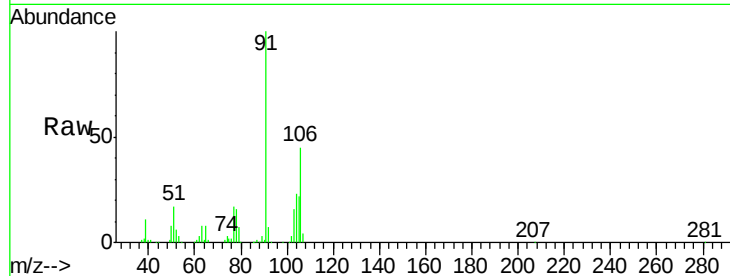
#69
o-Xylene
Concen: 17.670 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion:106 Resp: 67071
Ion Ratio Lower Upper
106 100
91 221.2 109.5 328.4

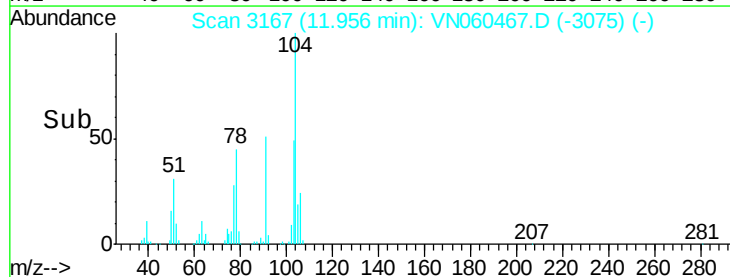
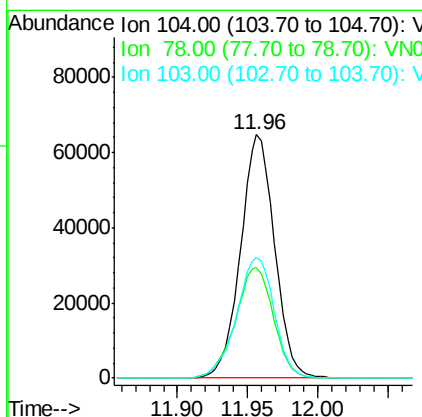
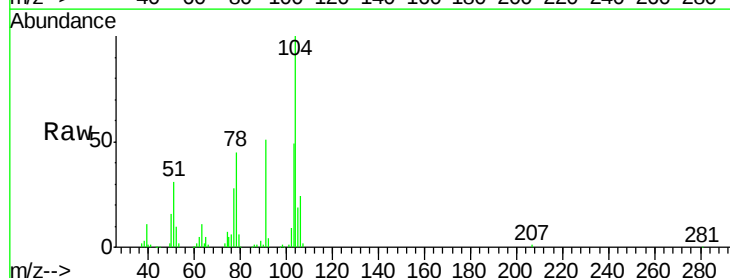
Manual Integrations
APPROVED

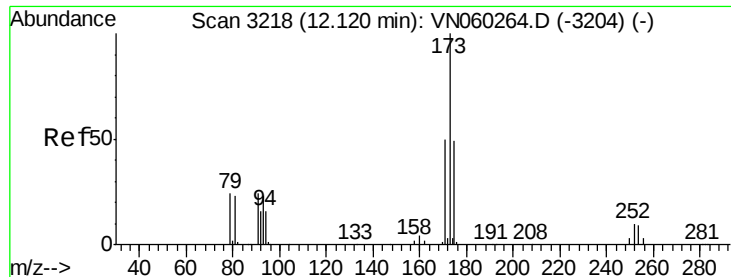
MMDadoda
3/16/2020 11:49:40 AM



#70
Styrene
Concen: 17.570 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion:104 Resp: 109650
Ion Ratio Lower Upper
104 100
78 50.9 41.2 61.8
103 54.6 43.9 65.9





#71

Bromoform

Concen: 18.707 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

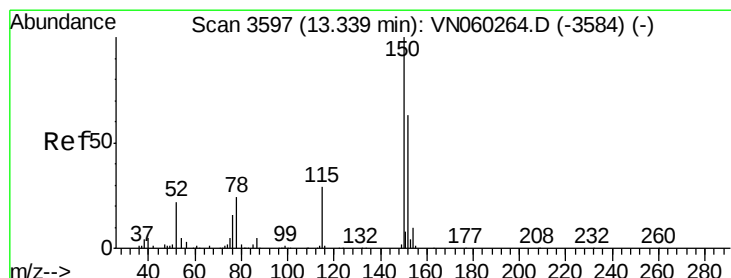
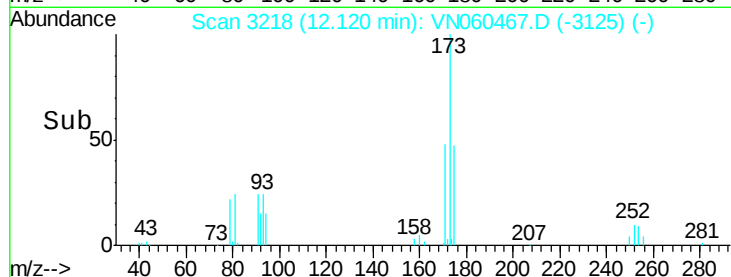
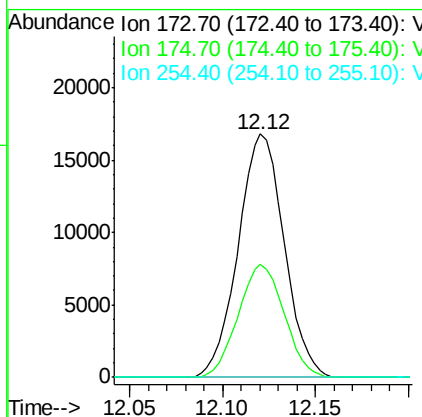
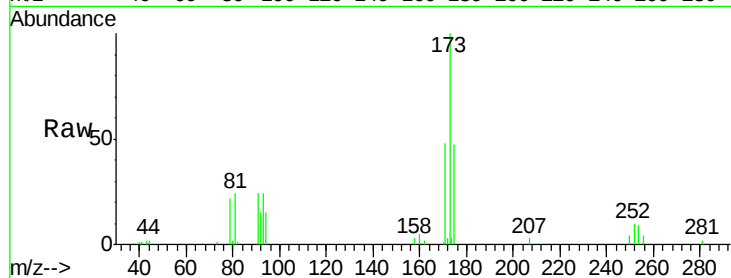
ClientSampleId :

VN0312WBS01

Tot Ion:	173	Resp:	28881
Ion Ratio	Lower	Upper	
173	100		
175	46.2	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

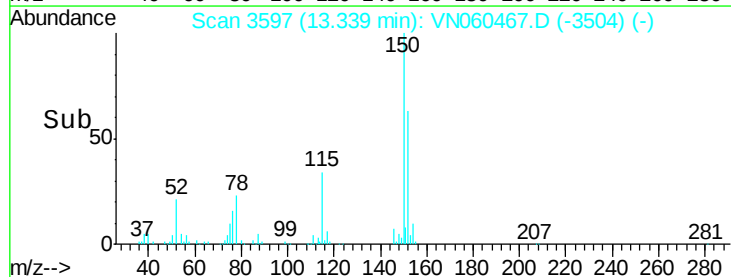
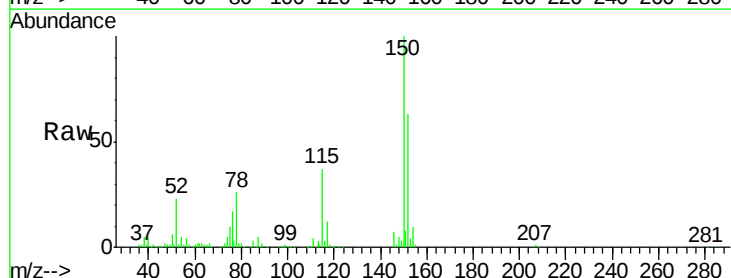
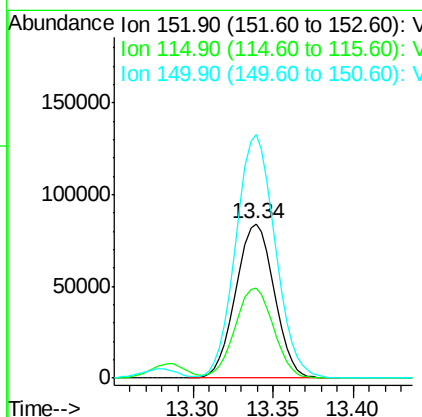
RT: 13.34 min Scan# 3597

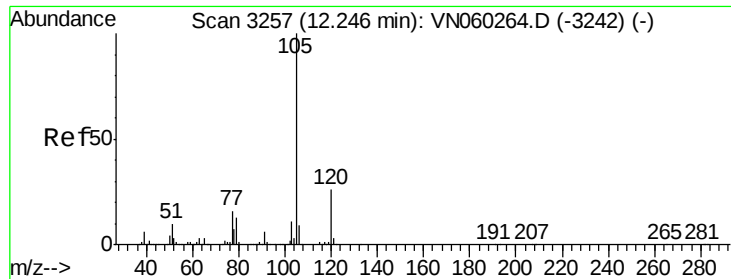
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	152	Resp:	138055
Ion Ratio	Lower	Upper	
152	100		
115	58.0	30.0	90.0
150	161.8	0.0	349.6





#73

Isopropylbenzene

Concen: 18.160 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion: 105 Resp: 185818

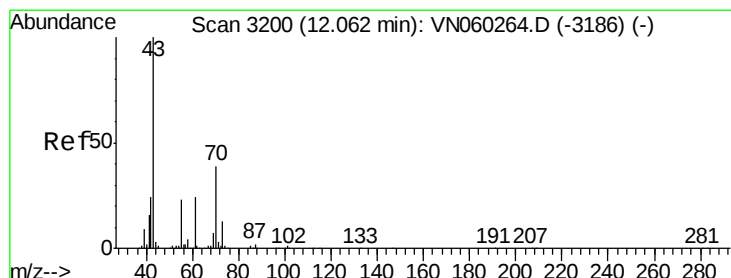
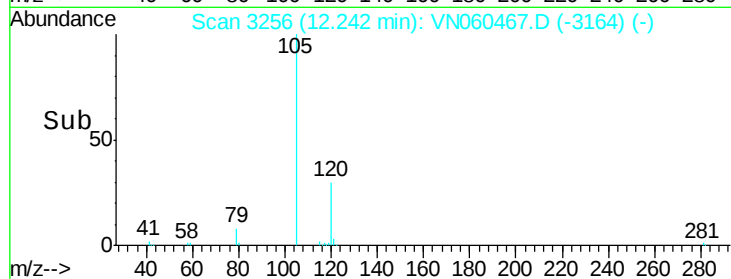
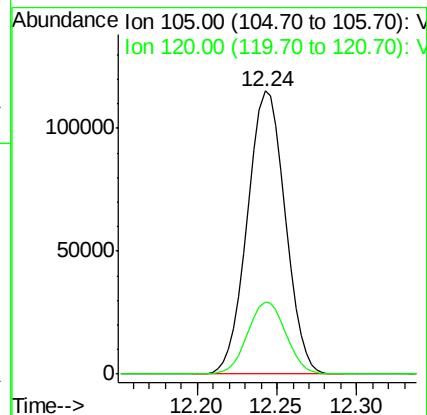
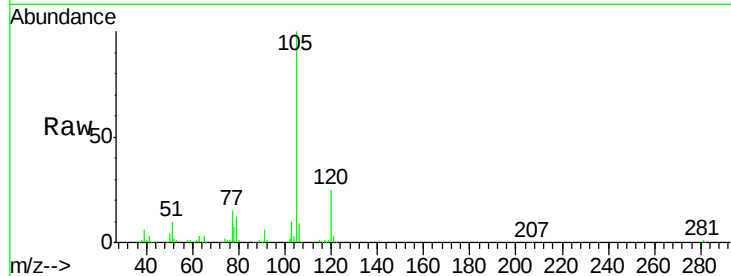
Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9

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#74

N-ethyl acetate

Concen: 18.192 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion: 43 Resp: 81342

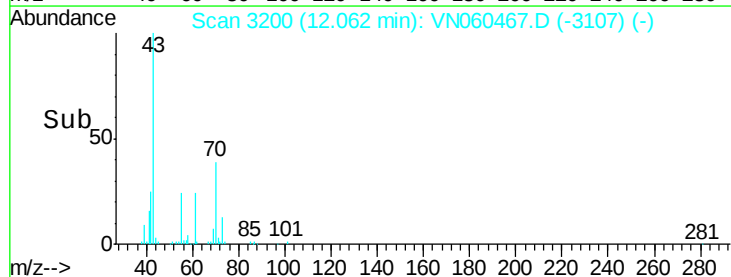
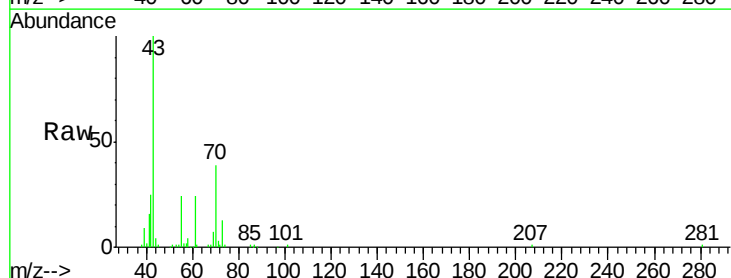
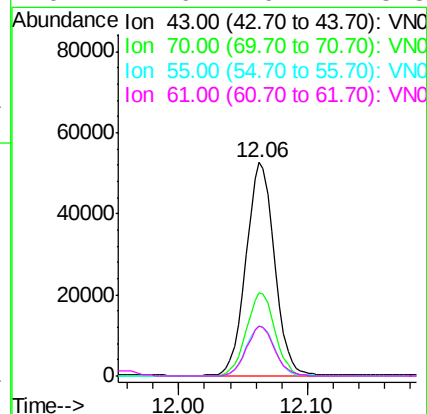
Ion Ratio Lower Upper

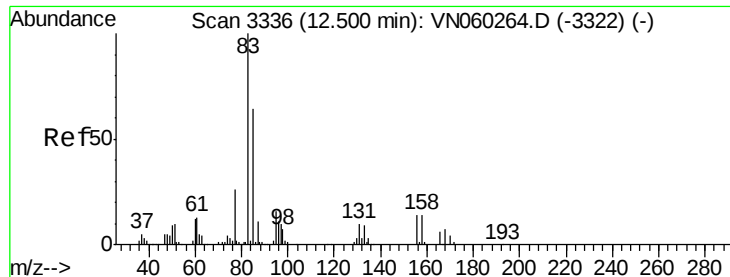
43 100

70 38.9 32.2 48.2

55 23.6 18.2 27.4

61 22.9 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.824 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

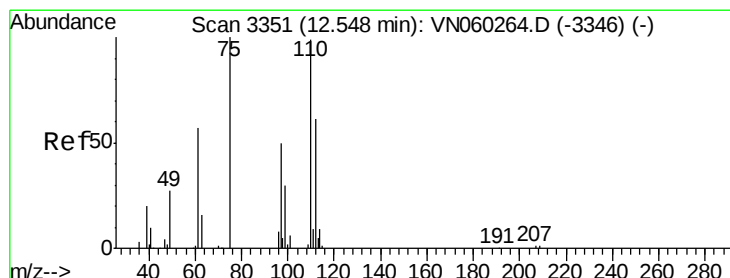
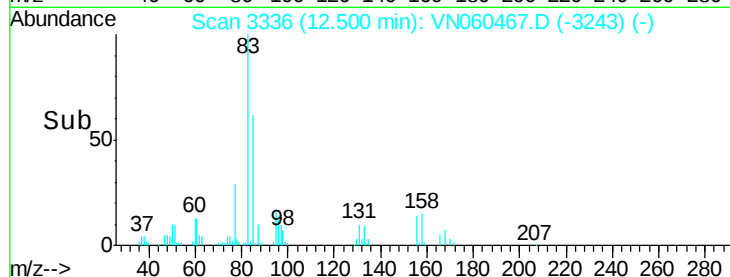
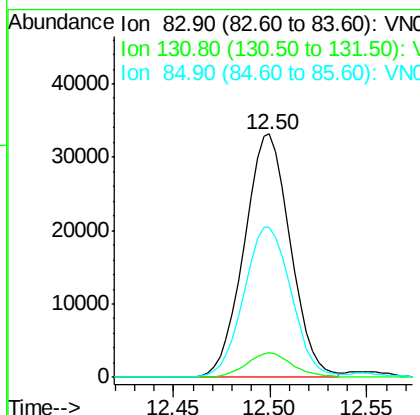
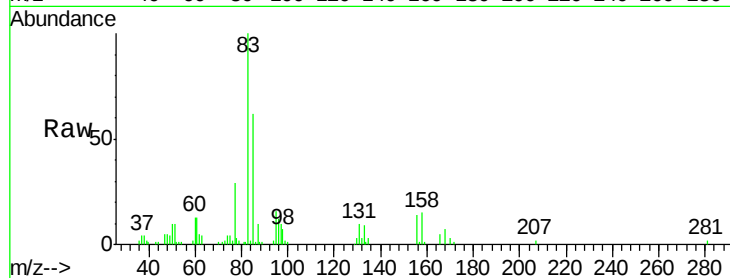
ClientSampleId :

VN0312WBS01

Tot Ion:	83	Resp:	55139
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	63.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.521 ug/l m

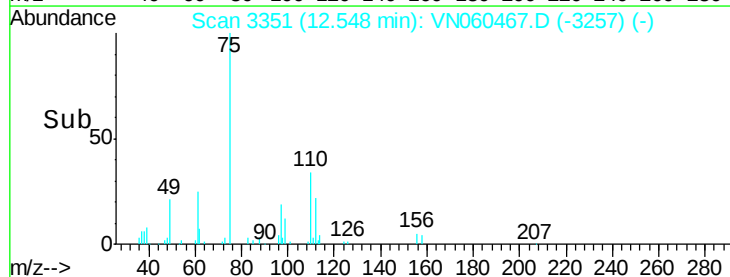
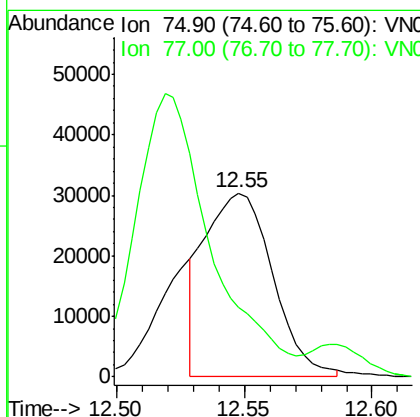
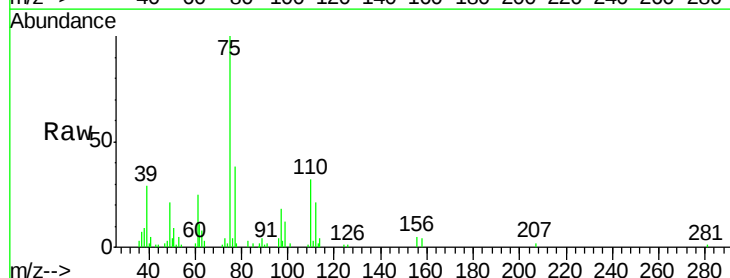
RT: 12.55 min Scan# 3351

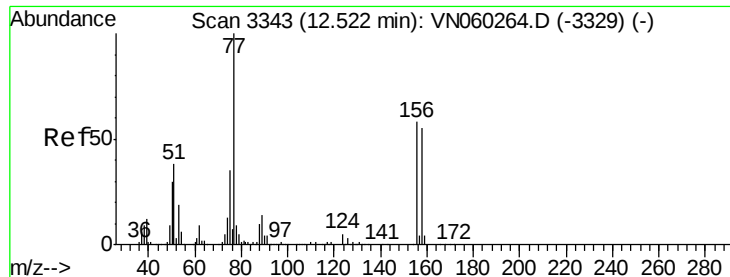
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	75	Resp:	56099
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.469 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion:156 Resp: 43816

Ion Ratio Lower Upper

156 100

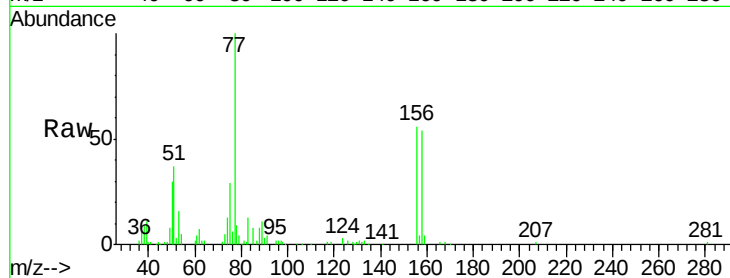
77 221.0 106.1 318.3

158 97.2 48.3 144.8

Manual Integrations
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MMDadoda

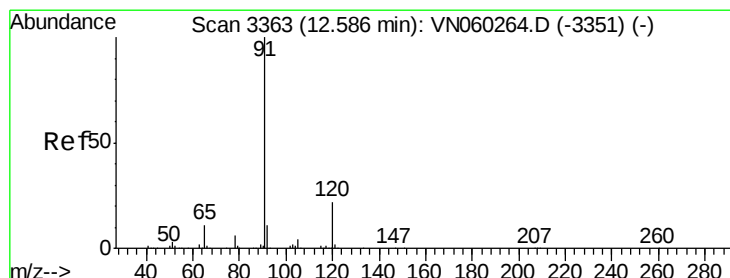
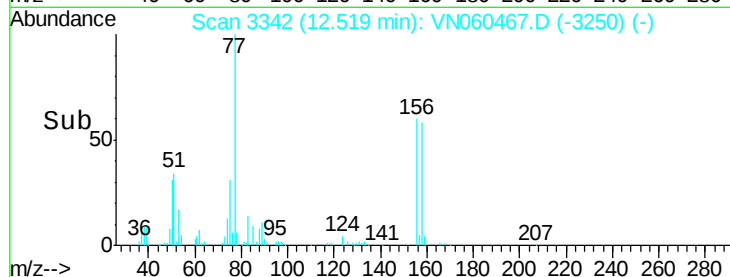
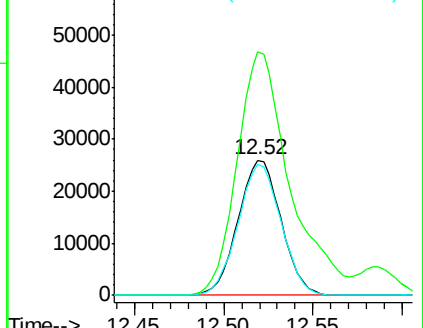
3/16/2020 11:49:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.638 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060467.D

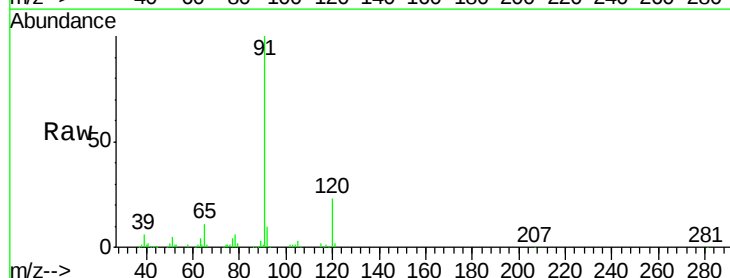
Acq: 12 Mar 2020 10:28

Tgt Ion: 91 Resp: 211554

Ion Ratio Lower Upper

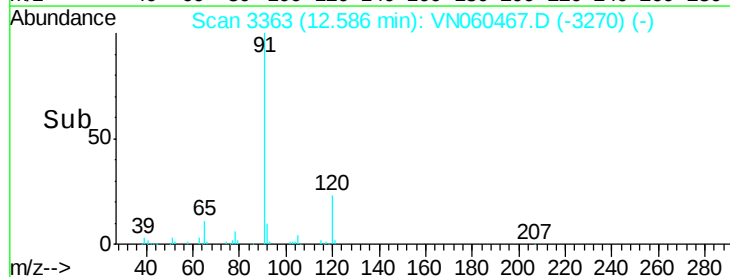
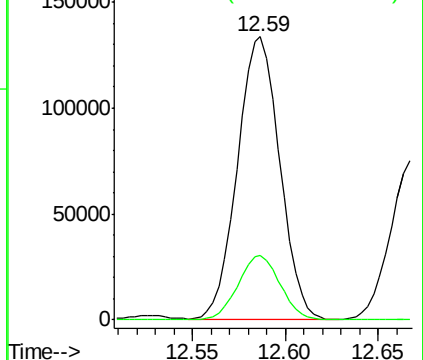
91 100

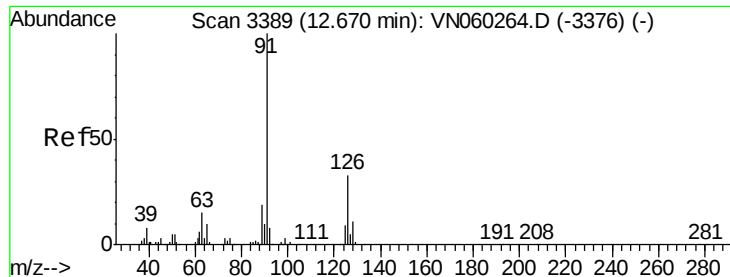
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





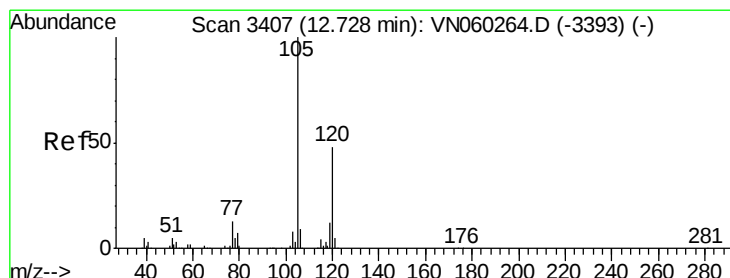
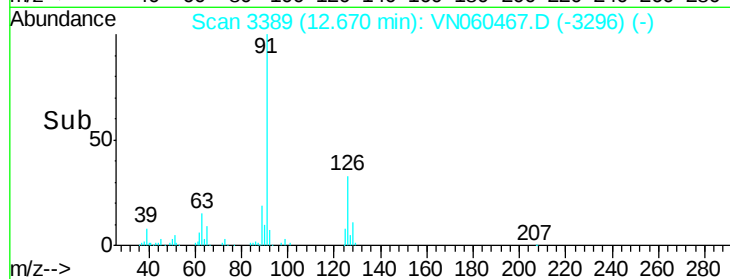
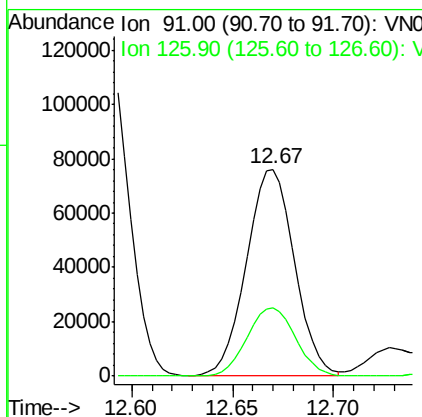
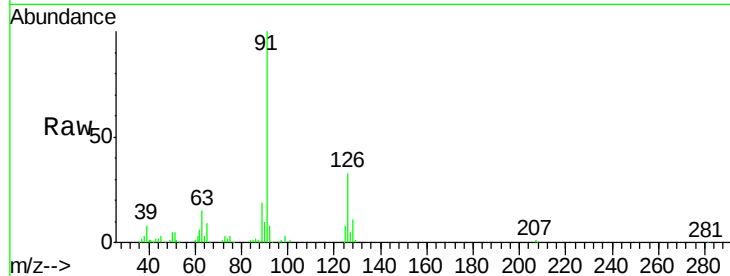
#79
2-Chlorotoluene
Concen: 17.910 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	33.6	16.6	49.8	

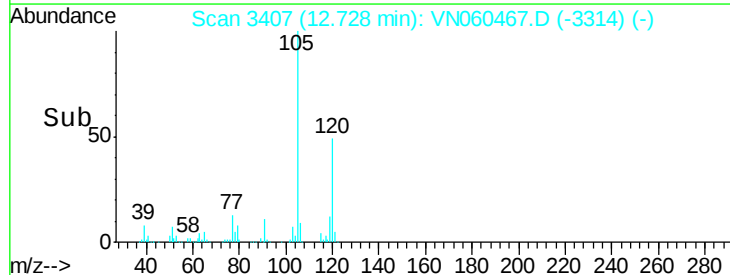
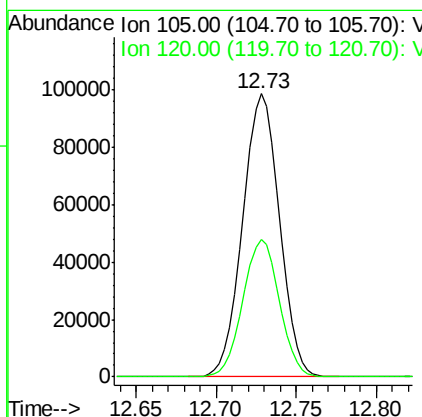
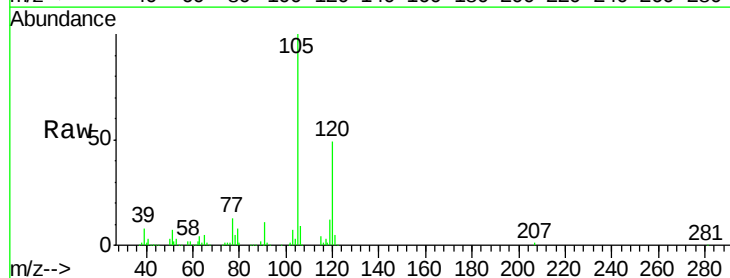
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#80
1,3,5-Trimethylbenzene
Concen: 17.930 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	48.1	24.1	72.4	





#81

trans-1,4-Dichloro-2-butene

Concen: 18.476 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

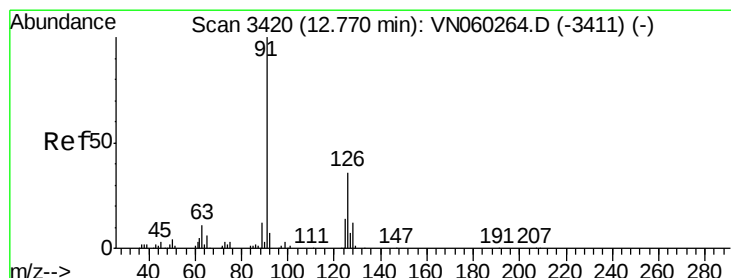
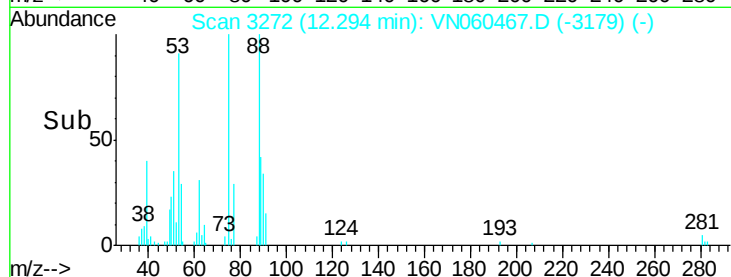
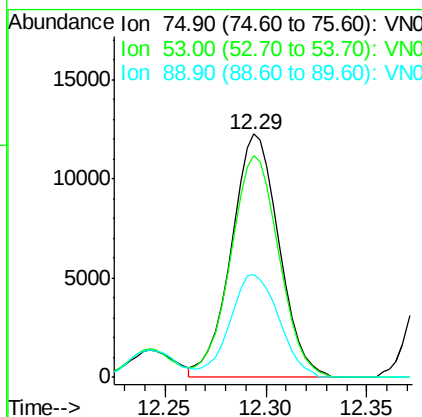
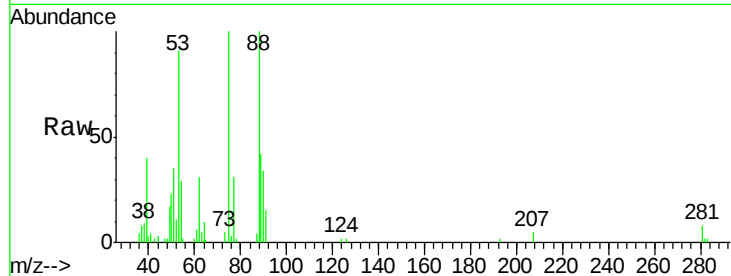
ClientSampleId :

VN0312WBS01

Tot Ion:	75	Resp:	20273
Ion Ratio	Lower	Upper	
75	100		
53	92.6	73.8	110.6
89	43.5	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 17.355 ug/l

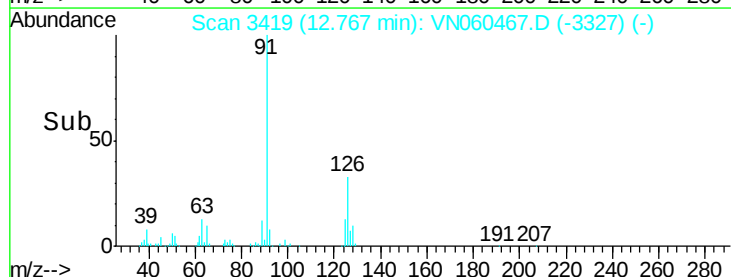
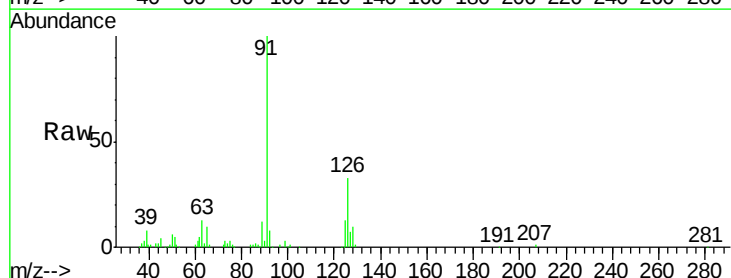
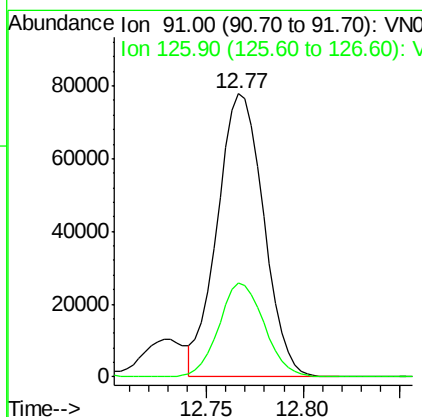
RT: 12.77 min Scan# 3419

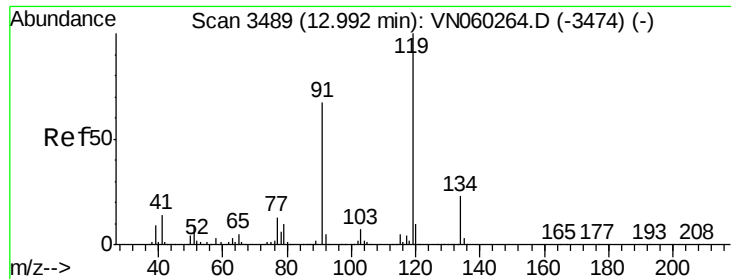
Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion:	91	Resp:	128915
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.7	50.1





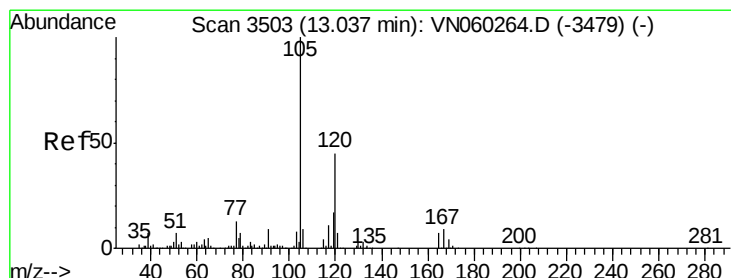
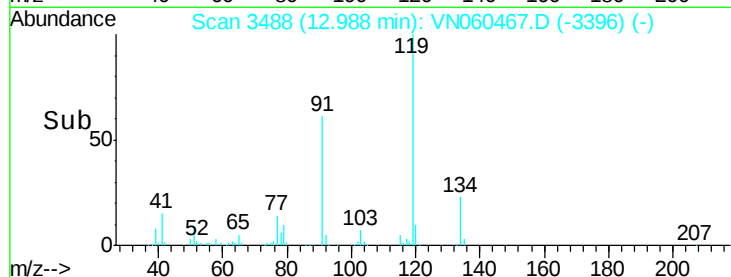
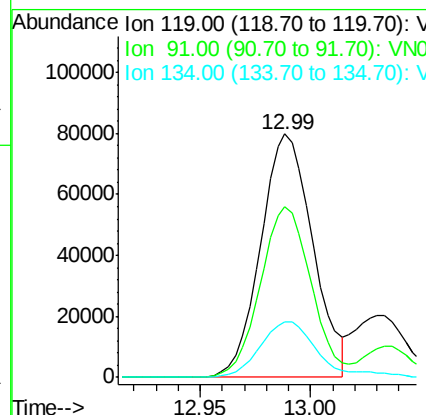
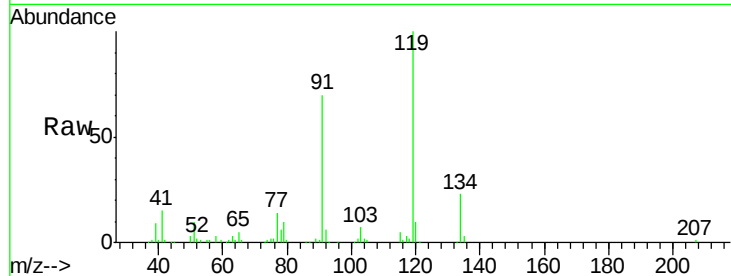
#83
tert-Butylbenzene
Concen: 17.589 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.1	99.2
134	25.1	12.4	37.0

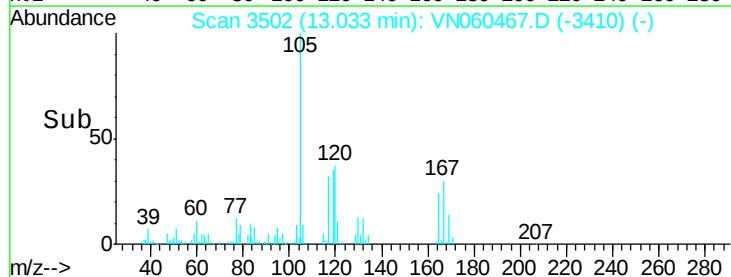
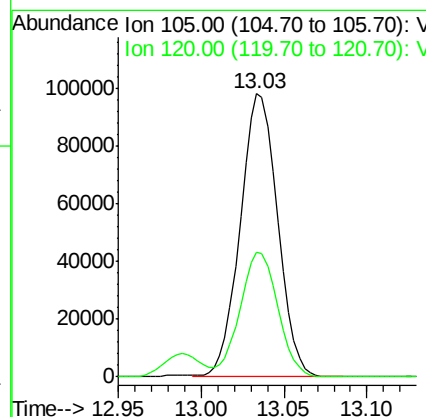
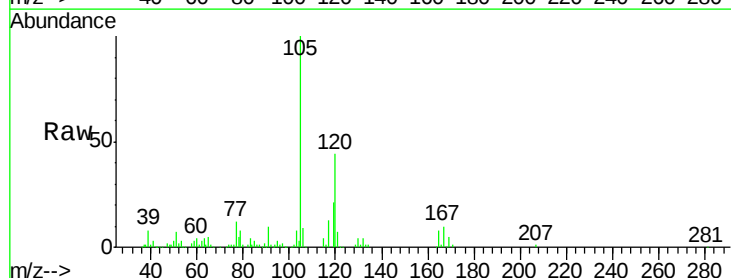
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#84
1,2,4-Trimethylbenzene
Concen: 17.753 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.725 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

Tot Ion:105 Resp: 177046

Ion Ratio Lower Upper

105 100

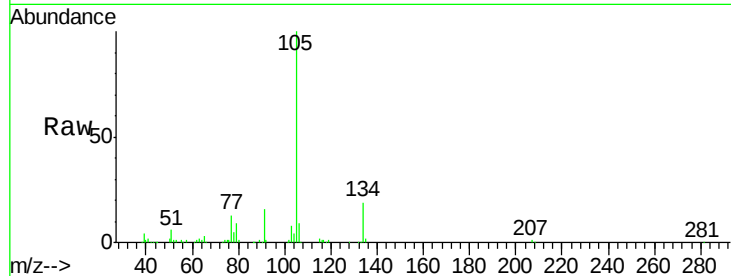
134 19.4 9.8 29.5

Manual Integrations

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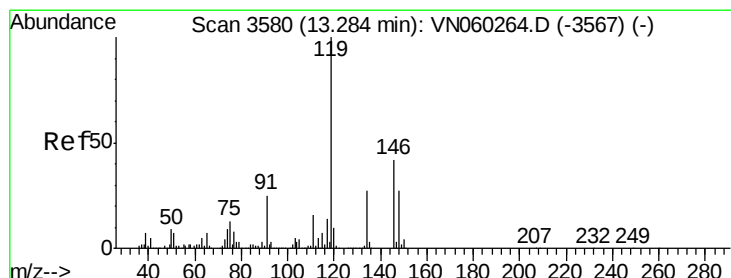
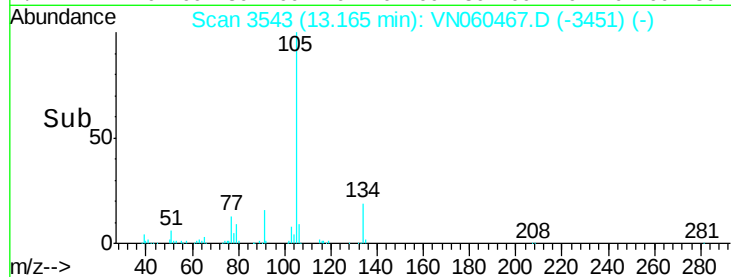
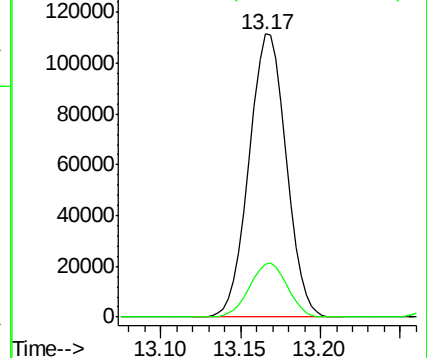
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.101 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

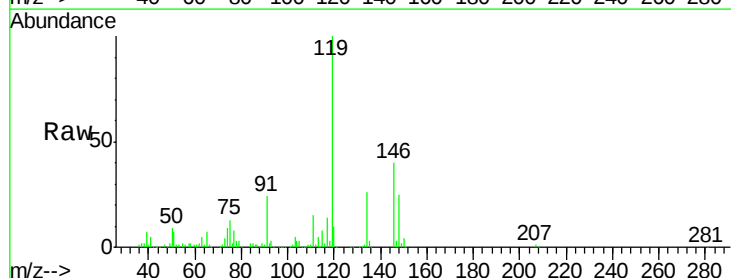
Tgt Ion:119 Resp: 158100

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.6

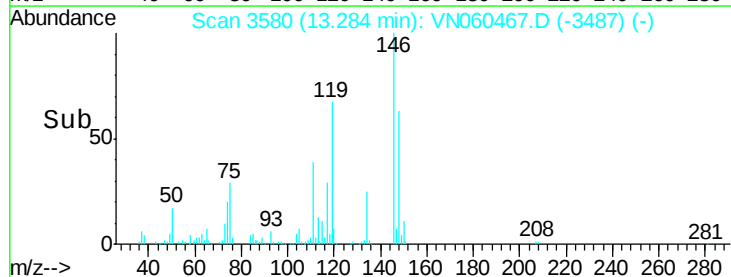
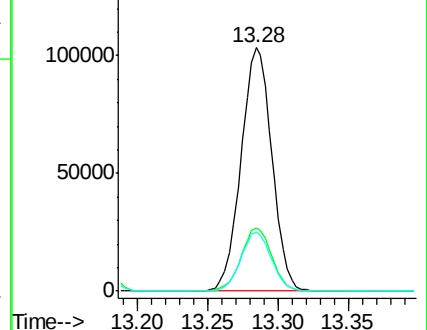
91 24.1 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.011 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060467.D

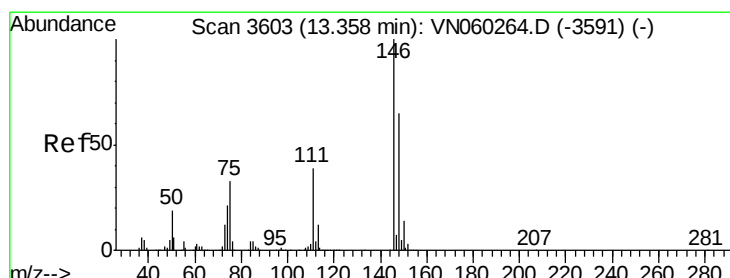
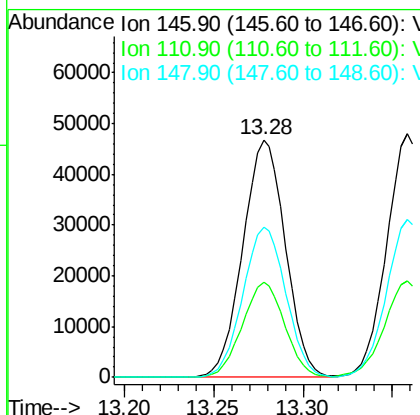
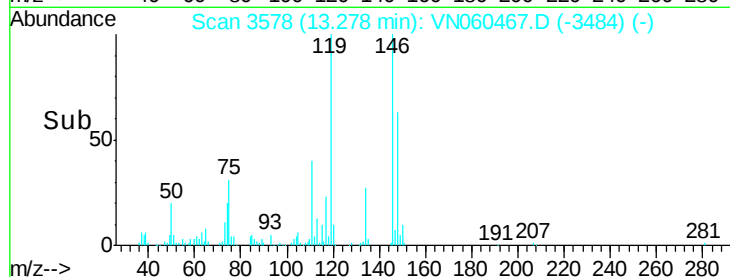
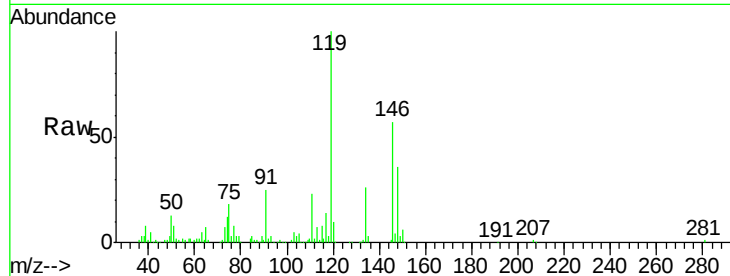
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	64.0	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.894 ug/l

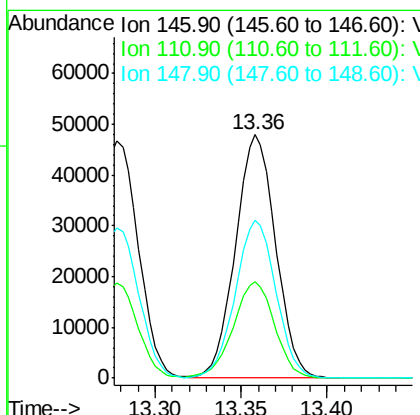
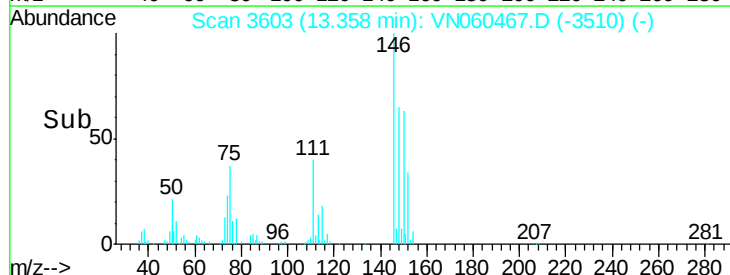
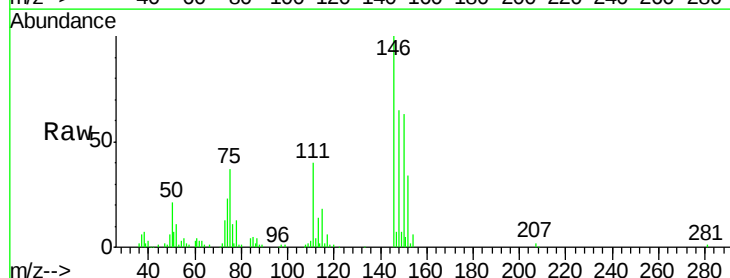
RT: 13.36 min Scan# 3603

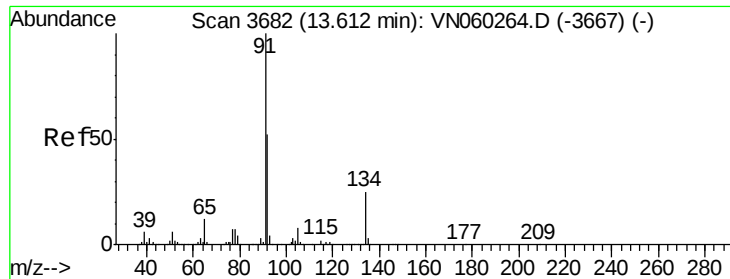
Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.4
148	65.5	32.3	96.9





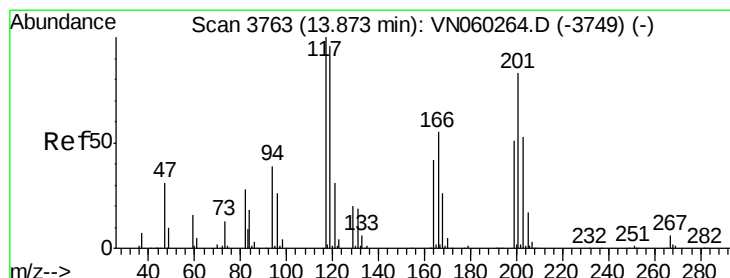
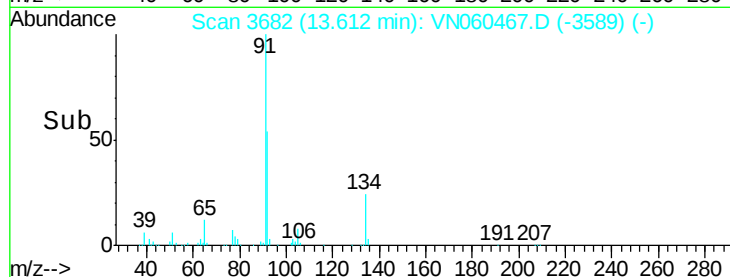
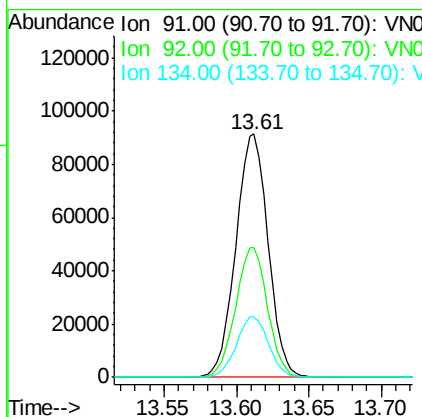
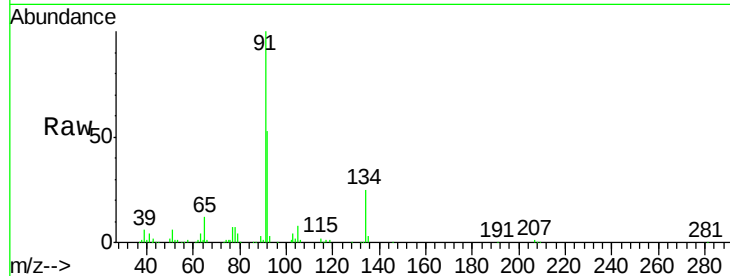
#89
n-Butylbenzene
Concen: 16.634 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	24.7	12.7	38.1

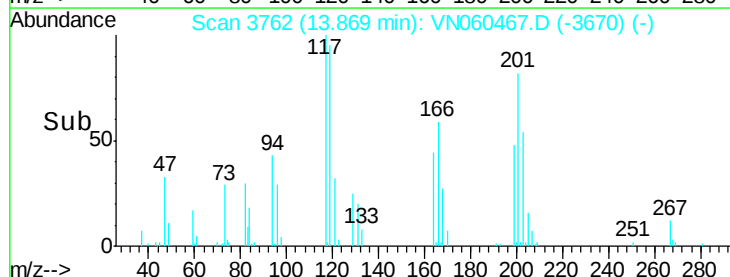
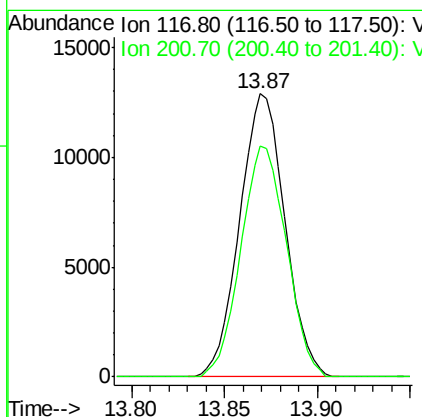
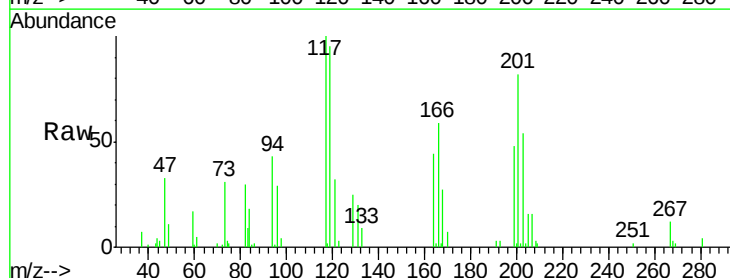
Manual Integrations
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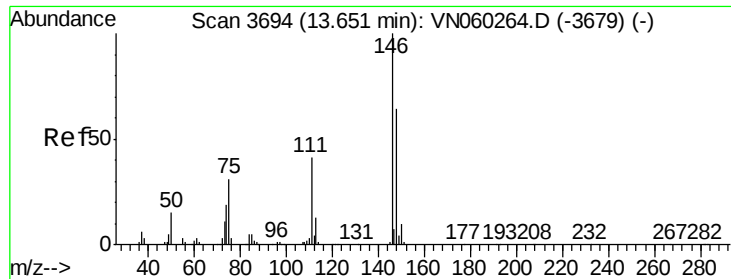
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#90
Hexachloroethane
Concen: 16.339 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.0	123.0





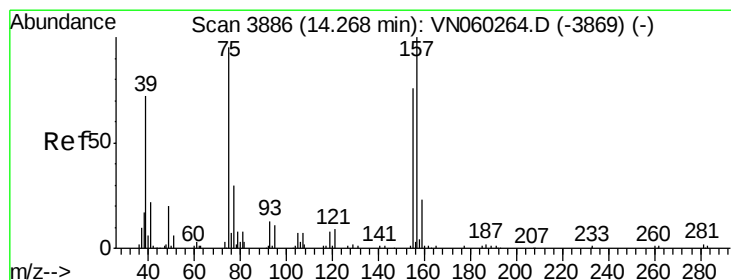
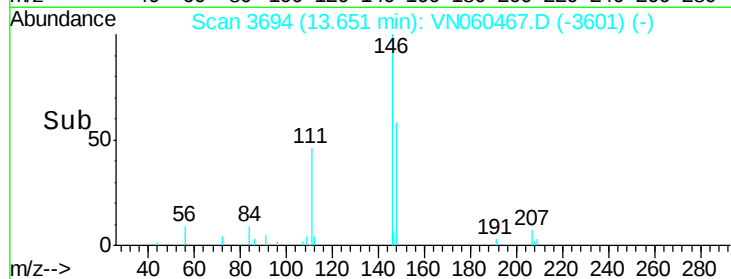
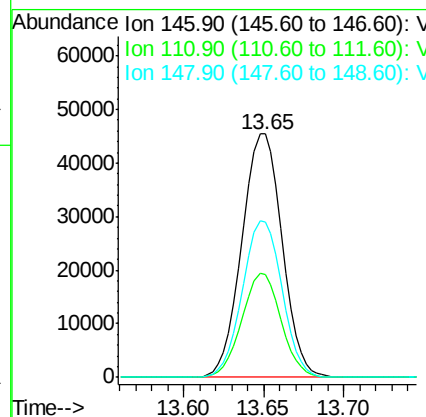
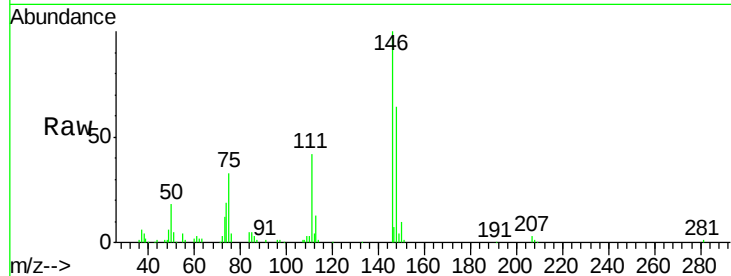
#91
 1,2-Dichlorobenzene
 Concen: 17.752 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	63.2	31.8	95.3

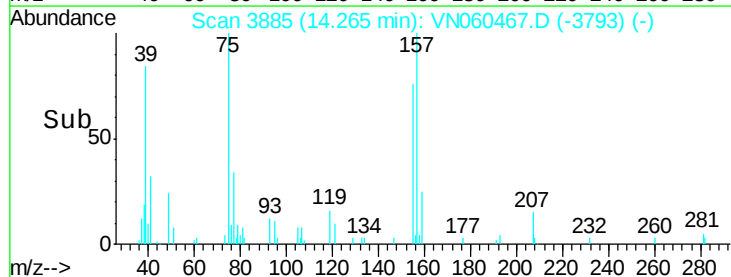
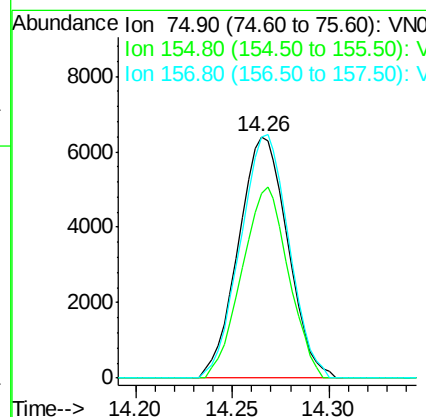
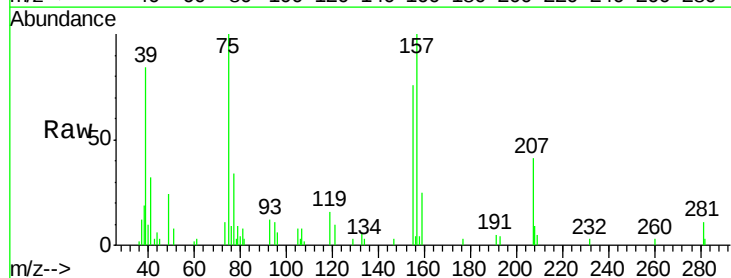
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.023 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	40.4	121.2
157	99.2	52.5	157.5





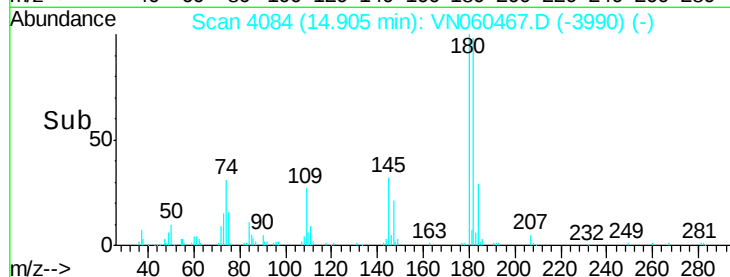
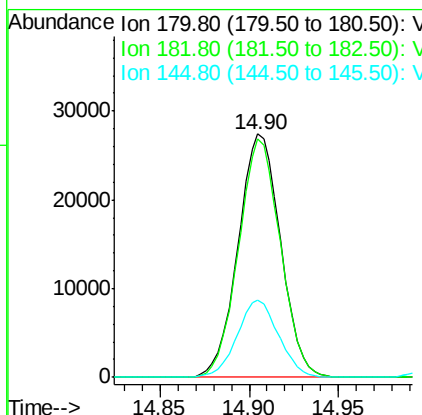
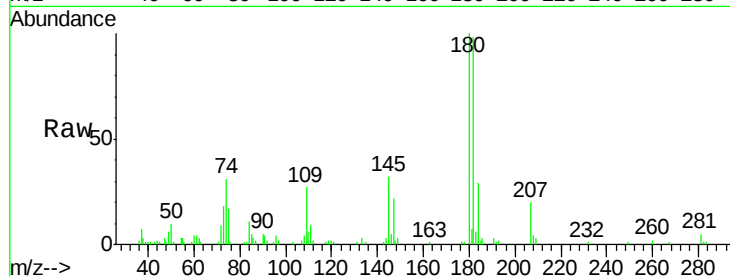
#93
 1,2,4-Trichlorobenzene
 Concen: 16.360 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	31.1	15.4	46.1

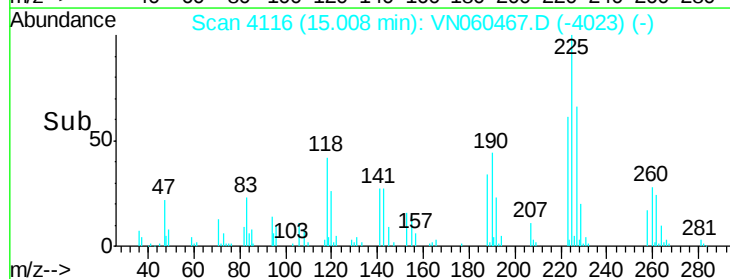
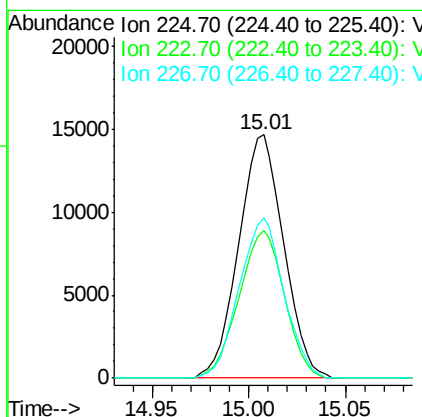
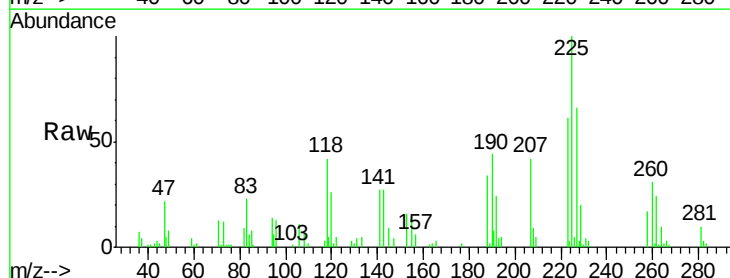
Manual Integrations
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 3/16/2020 11:49:40 AM



#94
 Hexachlorobutadiene
 Concen: 18.120 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.3	93.9
227	65.3	32.3	96.9





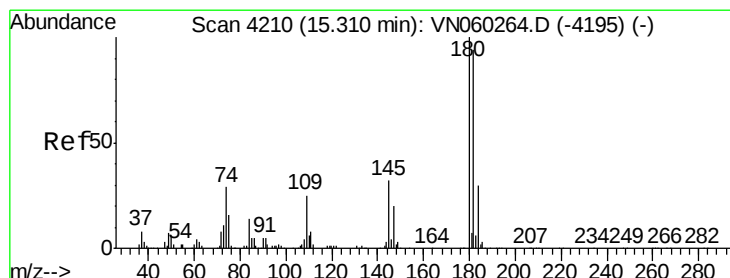
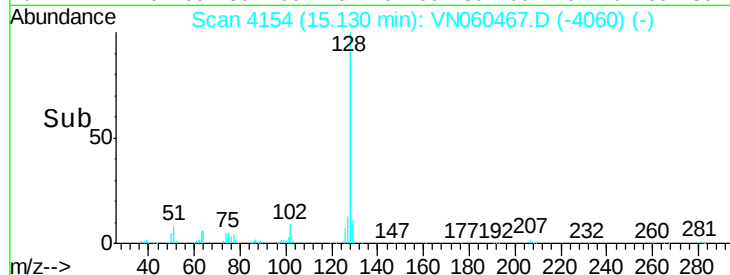
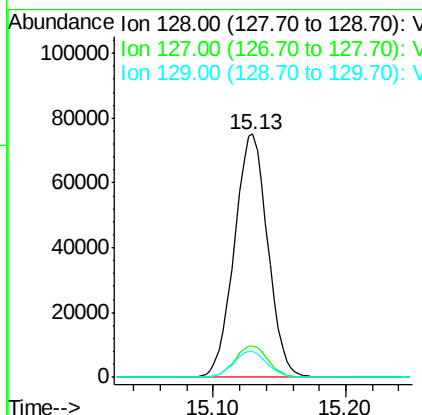
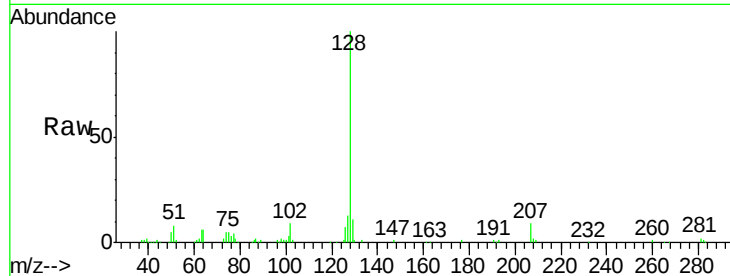
#95
Naphthalene
Concen: 15.760 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:49:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.730 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	31.9	16.2	48.5

