

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060361.D
 Acq On : 5 Mar 2020 12:59
 Operator : JC/MD
 Sample : VN0305MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:15 AM

Quant Time: Mar 06 01:03:37 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	191206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119308	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.56	113	83664	57.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.58%	
50) Toluene-d8	10.08	98	339325	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	12.40	95	127526	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30647	17.482	ug/l	98
3) Chloromethane	2.03	50	54647	17.904	ug/l	99
4) Vinyl Chloride	2.16	62	44475	16.991	ug/l	100
5) Bromomethane	2.55	94	17437	14.861	ug/l	97
6) Chloroethane	2.68	64	24312	17.143	ug/l	94
7) Trichlorofluoromethane	3.00	101	58211	17.406	ug/l	98
8) Diethyl Ether	3.38	74	24058	19.053	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34388	18.169	ug/l	99
10) Methyl Iodide	3.92	142	31056	17.979	ug/l	99
11) Tert butyl alcohol	4.73	59	36550	100.338	ug/l	100
12) 1,1-Dichloroethene	3.72	96	34290	18.618	ug/l	95
13) Acrolein	3.57	56	32819	96.575	ug/l	98
14) Allyl chloride	4.29	41	58786	17.356	ug/l	90
15) Acrylonitrile	4.94	53	98475	102.563	ug/l	99
16) Acetone	3.78	43	80939	102.168	ug/l	100
17) Carbon Disulfide	4.03	76	86476	17.278	ug/l	99
18) Methyl Acetate	4.29	43	50948	19.271	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	133777	20.058	ug/l	100
20) Methylene Chloride	4.52	84	40613	18.667	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	36832	18.393	ug/l	94
22) Diisopropyl ether	5.91	45	138897	20.246	ug/l	99
23) Vinyl Acetate	5.86	43	558495	102.445	ug/l	99
24) 1,1-Dichloroethane	5.82	63	75338	19.399	ug/l	100
25) 2-Butanone	6.80	43	133099	104.015	ug/l	99
26) 2,2-Dichloropropane	6.79	77	66225	18.731	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	45083	17.870	ug/l	97
28) Bromochloromethane	7.17	49	29267	18.355	ug/l	96
29) Tetrahydrofuran	7.18	42	90818	102.064	ug/l	99
30) Chloroform	7.35	83	75858	19.622	ug/l	97
31) Cyclohexane	7.63	56	67727	19.622	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	66031	19.277	ug/l	99
36) 1,1-Dichloropropene	7.77	75	54665	18.390	ug/l	99
37) Ethyl Acetate	6.89	43	58549	20.802	ug/l	99
38) Carbon Tetrachloride	7.75	117	53792	18.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62938	17.958	ug/l	96
40) Benzene	8.02	78	165966	19.183	ug/l	100
41) Methacrylonitrile	7.14	41	26356m	20.280	ug/l	
42) 1,2-Dichloroethane	8.10	62	63367	20.297	ug/l	100
43) Isopropyl Acetate	8.14	43	101862	20.673	ug/l	99
44) Trichloroethene	8.82	130	45274	18.789	ug/l	100
45) 1,2-Dichloropropane	9.10	63	46074	20.369	ug/l	99
46) Dibromomethane	9.19	93	28758	19.593	ug/l	99
47) Bromodichloromethane	9.38	83	60272	20.191	ug/l	99
48) Methyl methacrylate	9.18	41	44211	19.676	ug/l	99
49) 1,4-Dioxane	9.18	88	12485	395.116	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	292293	104.624	ug/l	99
52) Toluene	10.14	92	102776	18.911	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	70529	19.282	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	75031	19.796	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	43046	19.696	ug/l	99
56) Ethyl methacrylate	10.42	69	62767	19.991	ug/l	97
57) 1,3-Dichloropropane	10.70	76	72966	20.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	153460	93.451	ug/l	100
59) 2-Hexanone	10.74	43	212332	103.514	ug/l	98
60) Dibromochloromethane	10.89	129	44524	20.033	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42253	19.833	ug/l	98
64) Tetrachloroethene	10.62	164	47187	20.021	ug/l	99
65) Chlorobenzene	11.43	112	109027	18.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42158	19.662	ug/l	97
67) Ethyl Benzene	11.50	91	202110	19.139	ug/l	100
68) m/p-Xylenes	11.62	106	148048	37.158	ug/l	98
69) o-Xylene	11.94	106	73731	19.406	ug/l	98
70) Styrene	11.96	104	117458	18.804	ug/l	99
71) Bromoform	12.12	173	31221	20.204	ug/l #	98
73) Isopropylbenzene	12.25	105	195292	18.974	ug/l	99
74) N-amyl acetate	12.06	43	87745	19.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57811	20.663	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	54828m	17.995	ug/l	
77) Bromobenzene	12.52	156	48164	19.090	ug/l	98
78) n-propylbenzene	12.59	91	226806	18.799	ug/l	100
79) 2-Chlorotoluene	12.67	91	133710	18.854	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	166941	19.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21583	19.555	ug/l #	84
82) 4-Chlorotoluene	12.77	91	138991	18.601	ug/l	98
83) tert-Butylbenzene	12.99	119	139972	18.655	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	166155	18.996	ug/l	100
85) sec-Butylbenzene	13.17	105	189627	18.873	ug/l	100
86) p-Isopropyltoluene	13.28	119	171218	18.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85498	19.606	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86098	19.765	ug/l	99
89) n-Butylbenzene	13.61	91	156466	18.329	ug/l	100
90) Hexachloroethane	13.87	117	23721	17.622	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	83348	18.853	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12641	19.952	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53755	19.190	ug/l	99
94) Hexachlorobutadiene	15.01	225	27161	20.699	ug/l	99
95) Naphthalene	15.13	128	155156	18.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51924	19.516	ug/l	99

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

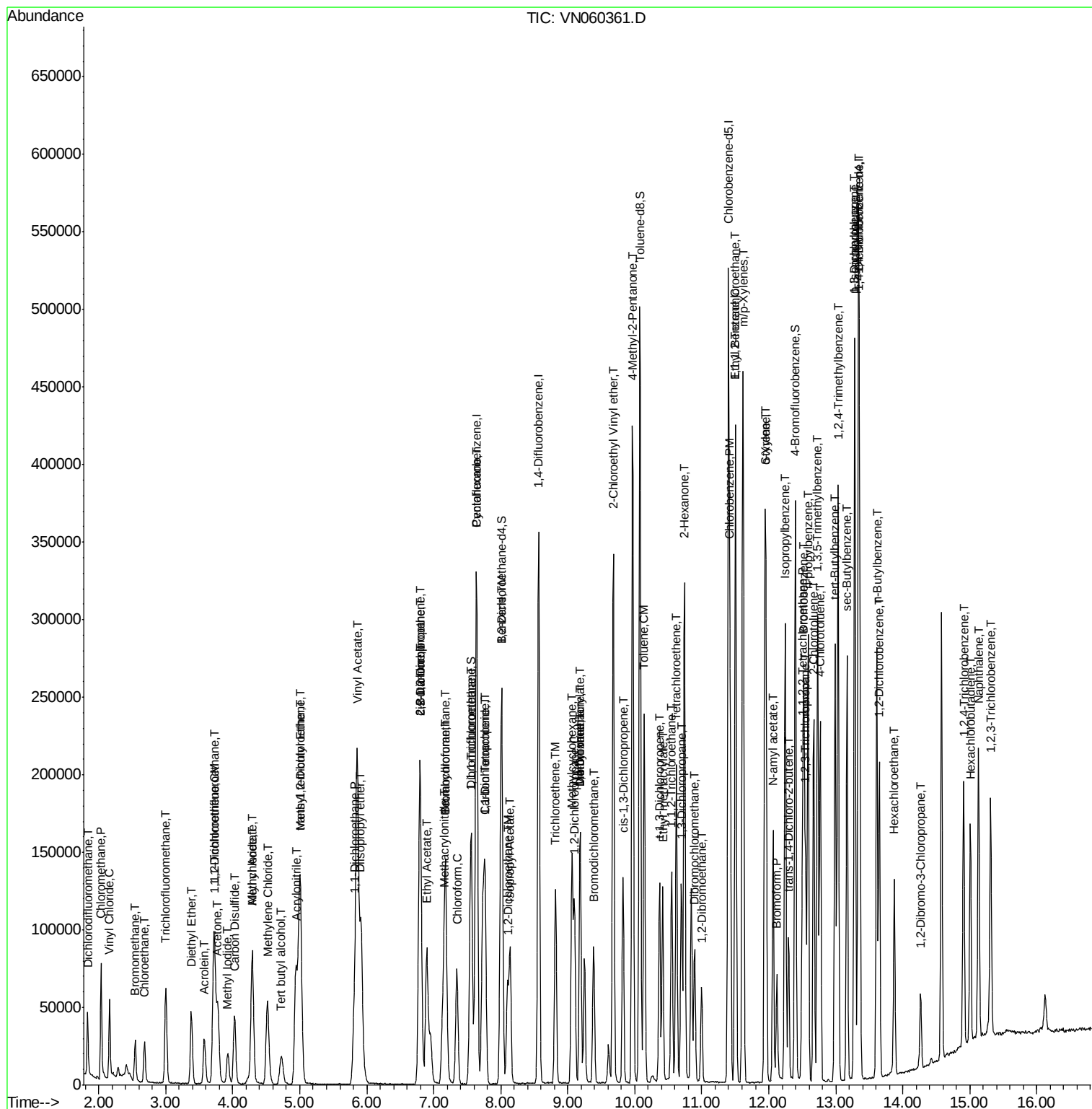
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion:168 Resp: 191206

Ion Ratio Lower Upper

168 100

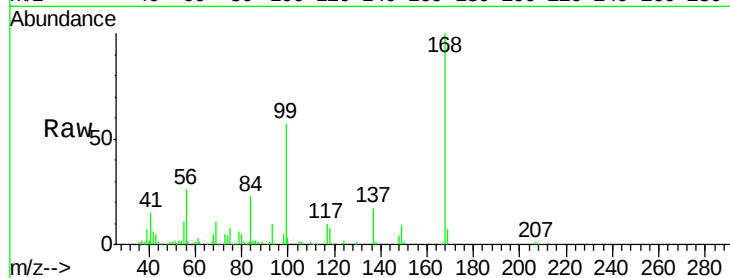
99 56.9 44.7 67.1

Manual Integrations

APPROVED

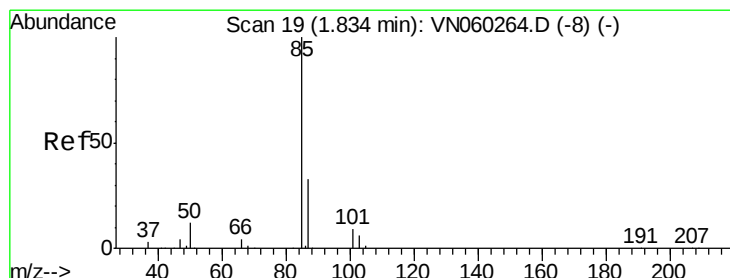
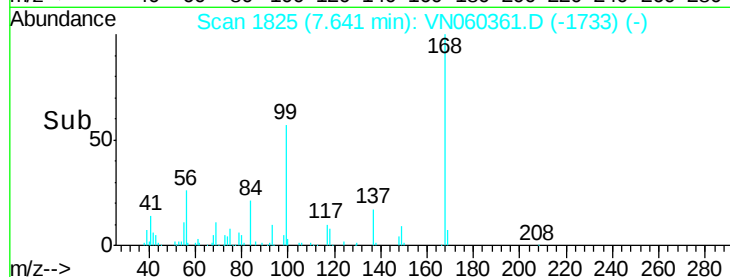
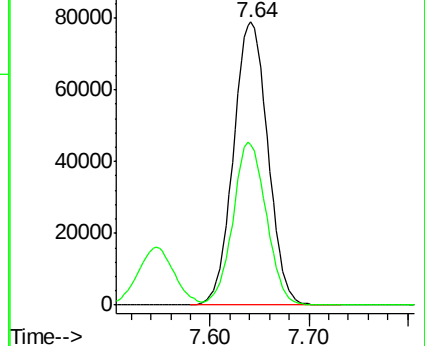
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.482 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060361.D

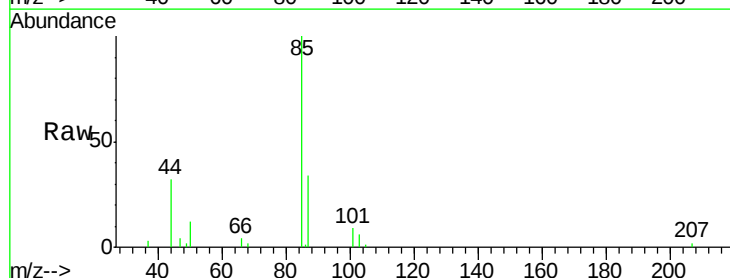
Acq: 5 Mar 2020 12:59

Tgt Ion: 85 Resp: 30647

Ion Ratio Lower Upper

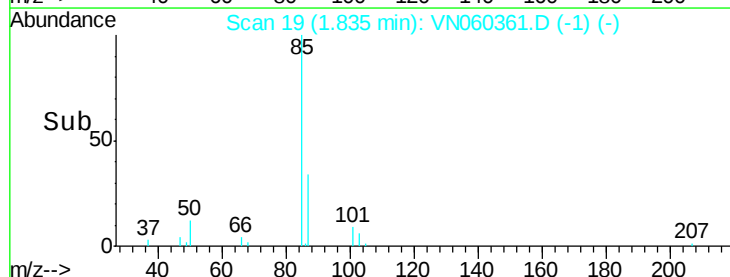
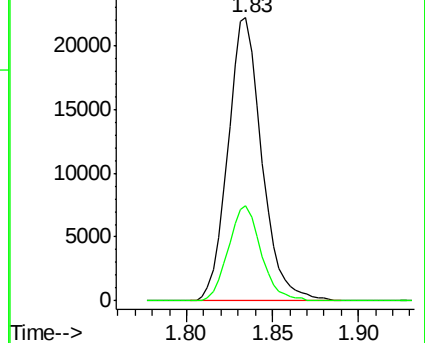
85 100

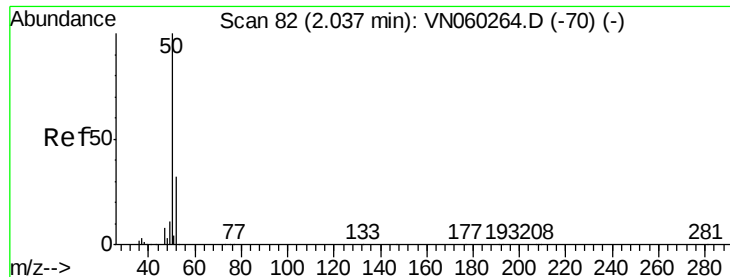
87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.904 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion: 50 Resp: 54647

Ion Ratio Lower Upper

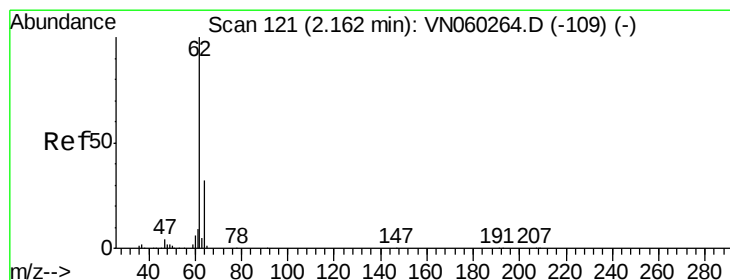
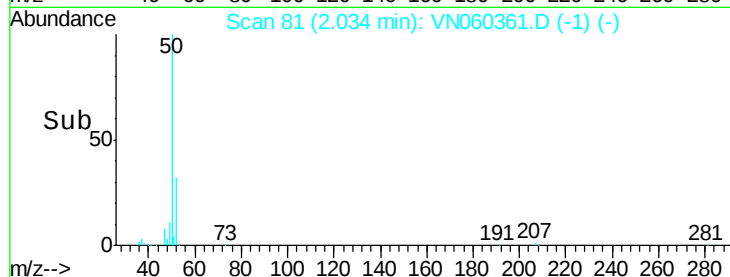
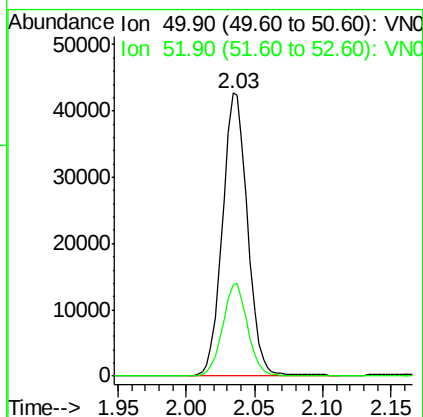
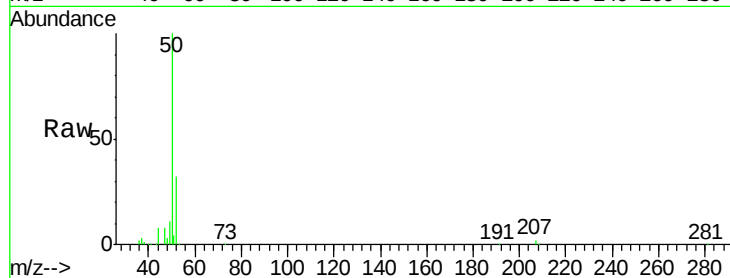
50 100

52 32.4 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.991 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060361.D

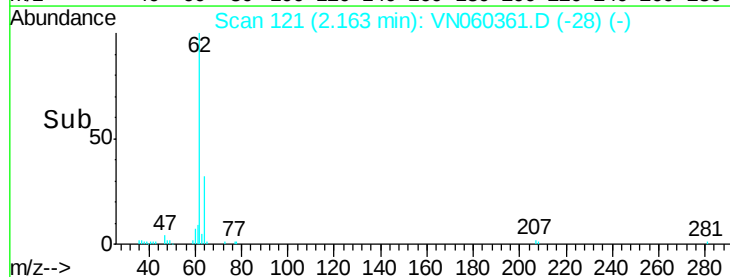
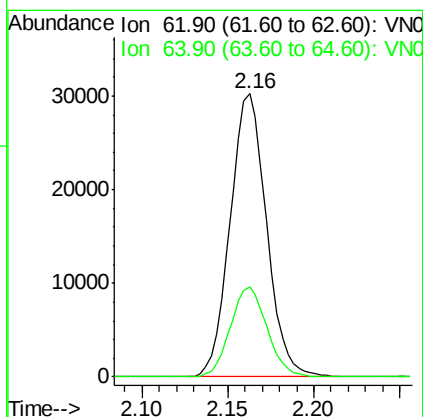
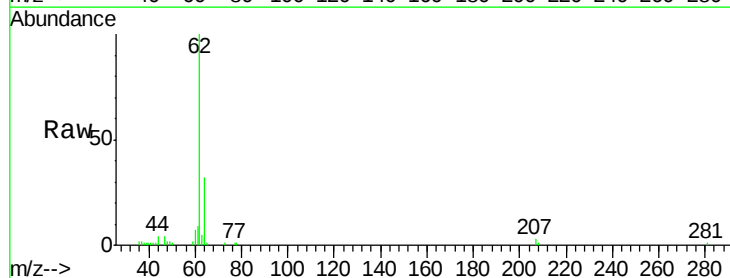
Acq: 5 Mar 2020 12:59

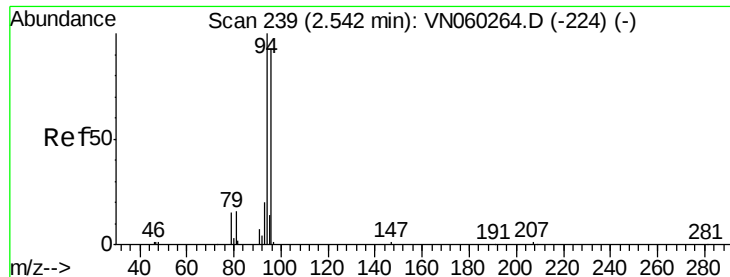
Tgt Ion: 62 Resp: 44475

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 14.861 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion: 94 Resp: 17437

Ion Ratio Lower Upper

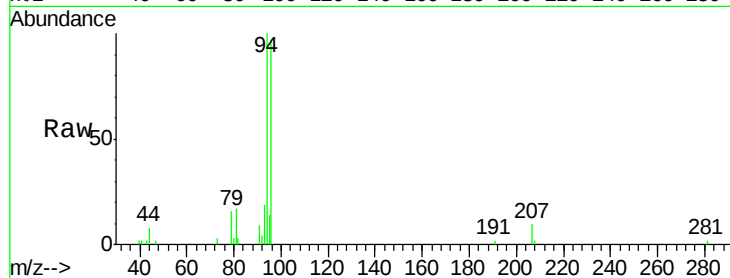
94 100

96 95.3 74.3 111.5

Manual Integrations
APPROVED

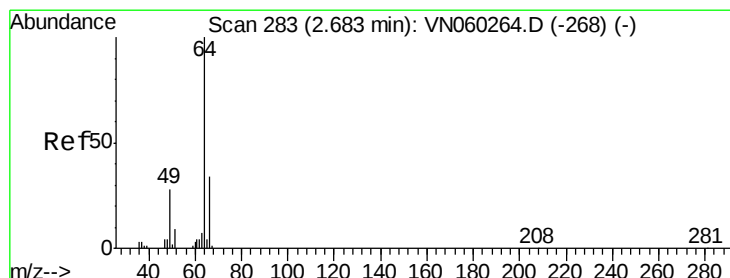
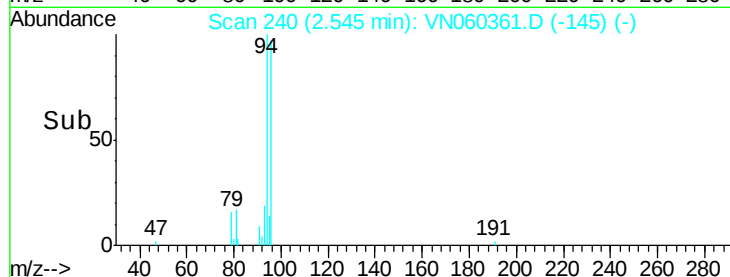
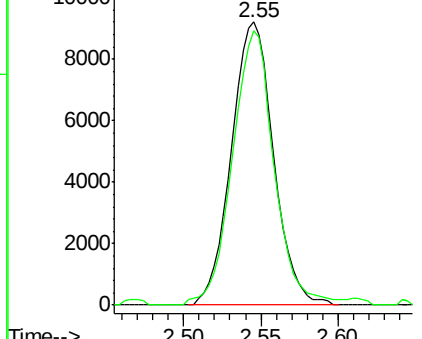
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Abundance Ion 93.90 (93.60 to 94.60): VN060361.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060361.D (-145) (-)



#6

Chloroethane

Concen: 17.143 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060361.D

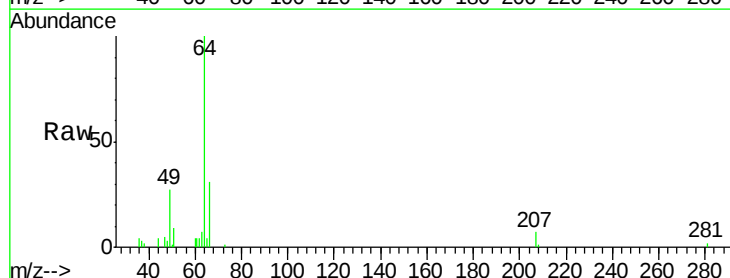
Acq: 5 Mar 2020 12:59

Tgt Ion: 64 Resp: 24312

Ion Ratio Lower Upper

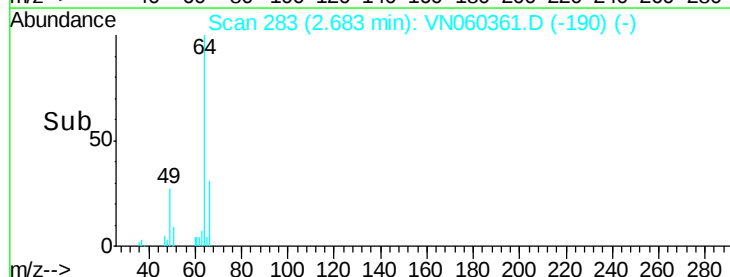
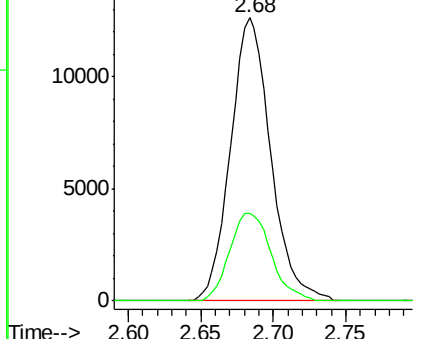
64 100

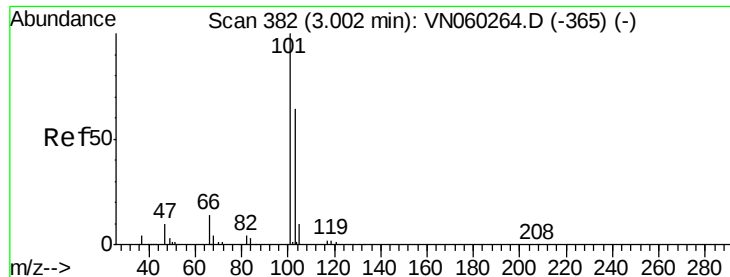
66 31.1 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN060361.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060361.D (-190) (-)





#7

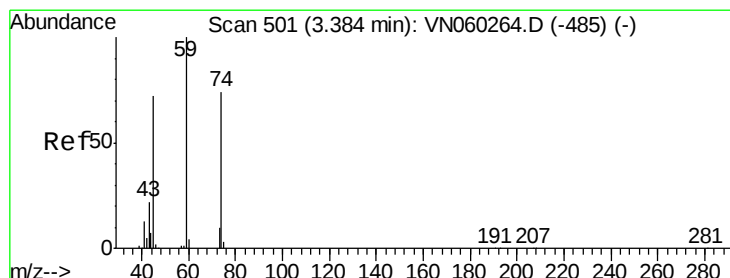
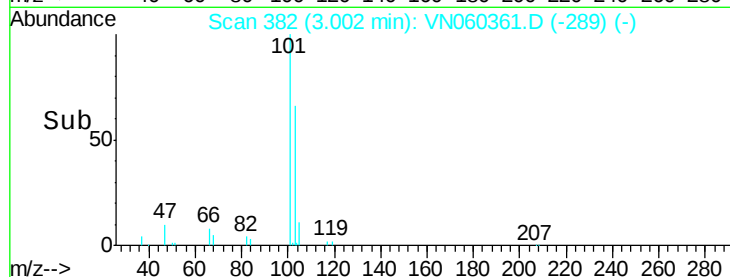
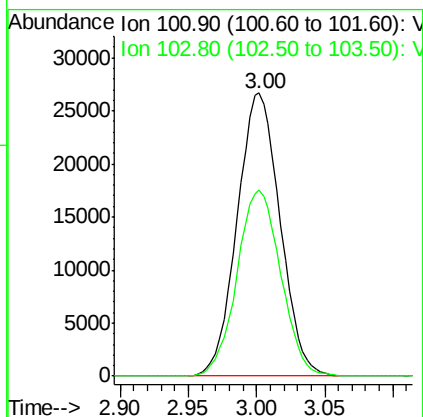
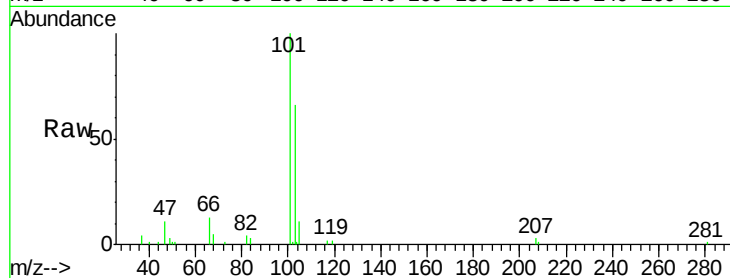
Trichlorofluoromethane
Concen: 17.406 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.3	76.9

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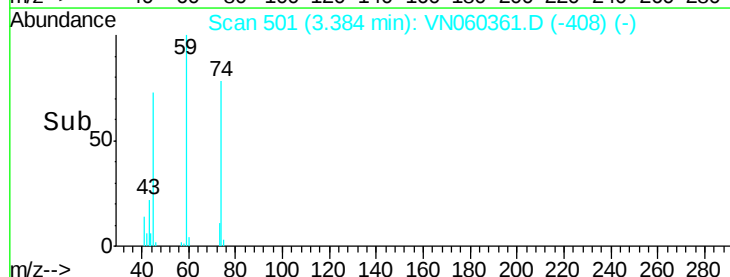
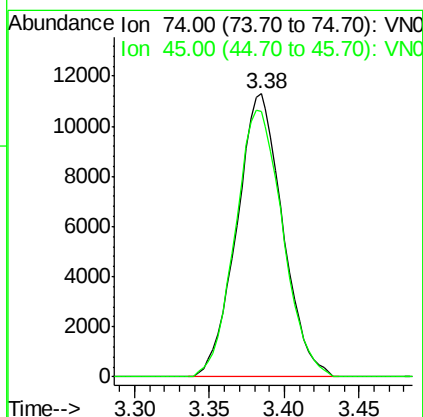
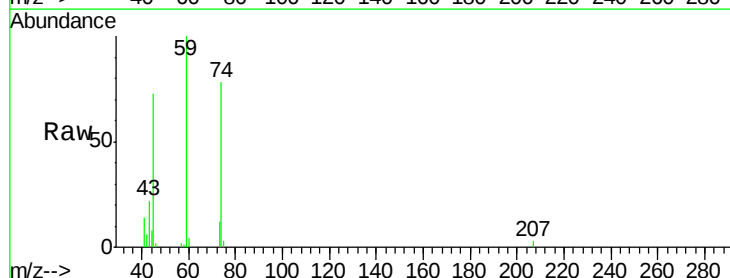
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3/6/2020 11:18:15 AM



#8

Diethyl Ether
Concen: 19.053 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.169 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

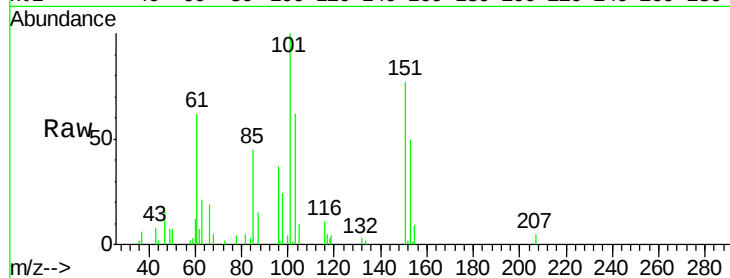
ClientSampleId :

VN0305MBS01

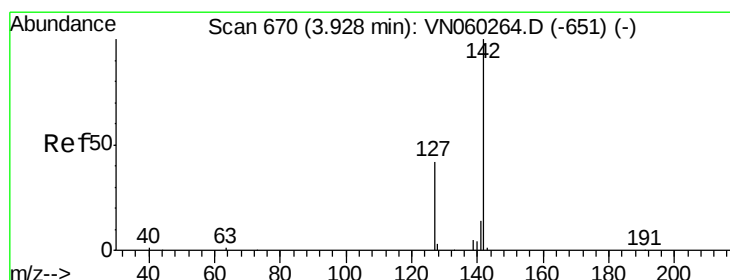
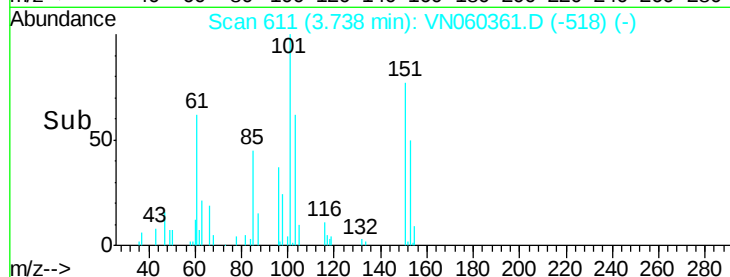
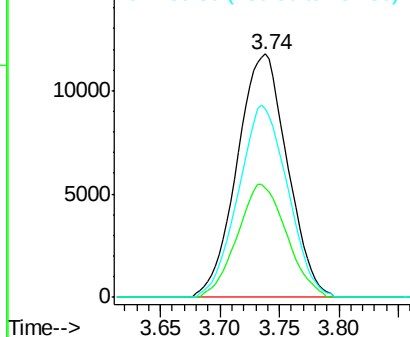
Tot Ion:	101	Resp:	34388
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.4	53.2
151	77.6	62.0	93.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.979 ug/l

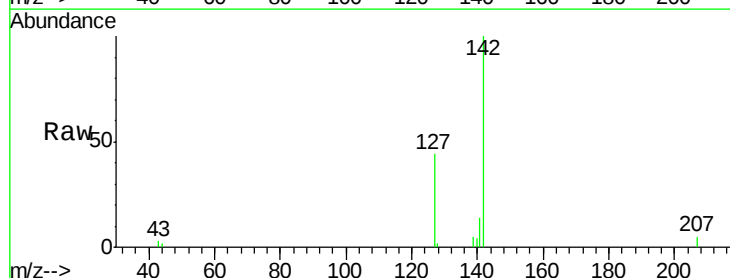
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

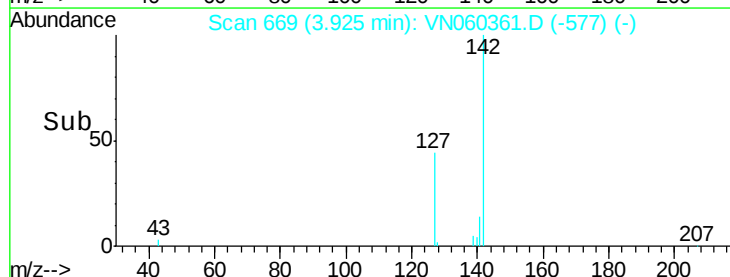
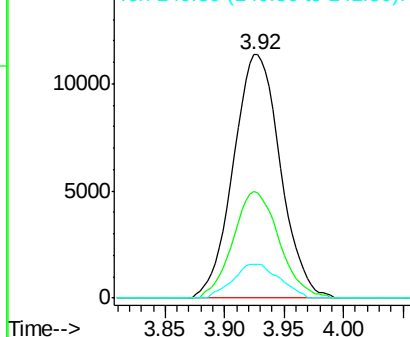
Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion:	142	Resp:	31056
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.6
141	13.8	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





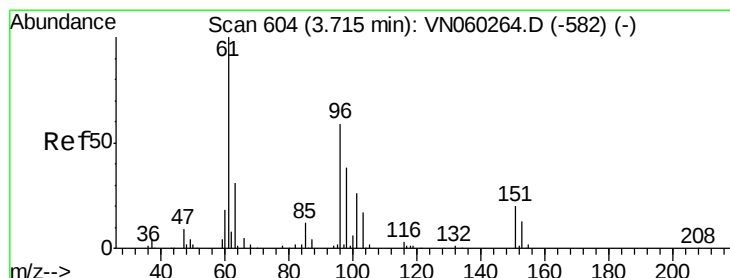
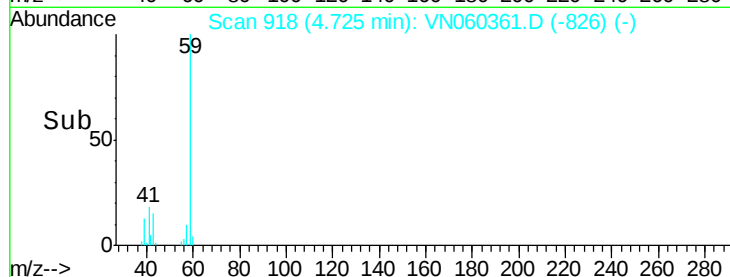
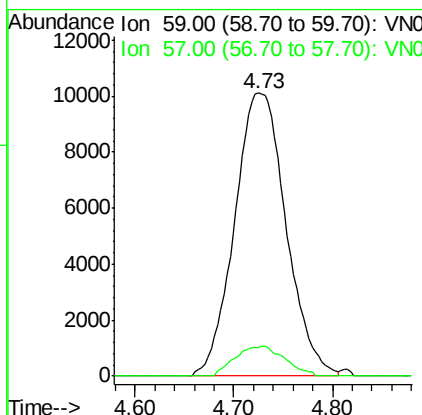
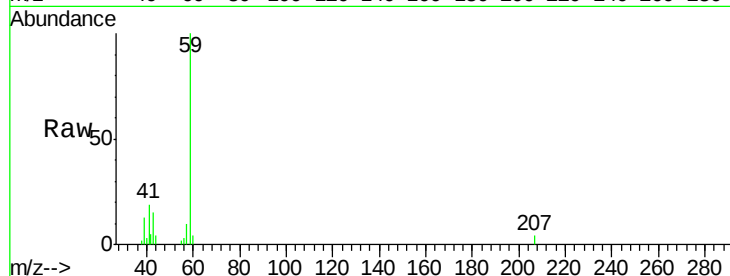
#11
Tert butyl alcohol
Concen: 100.338 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

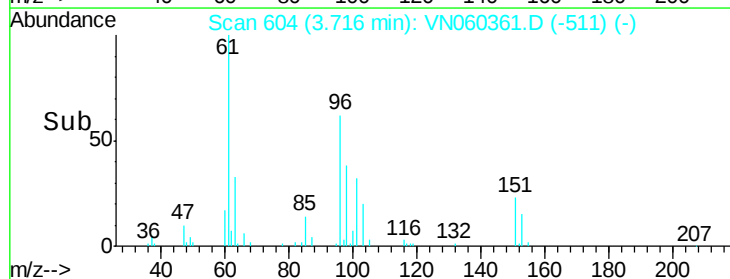
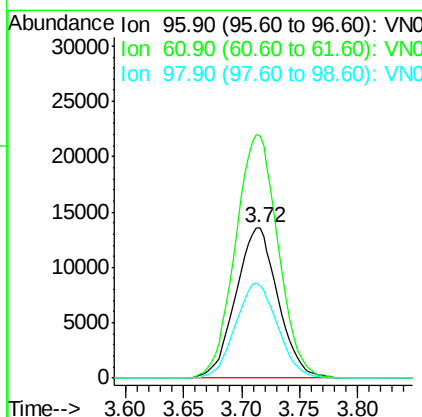
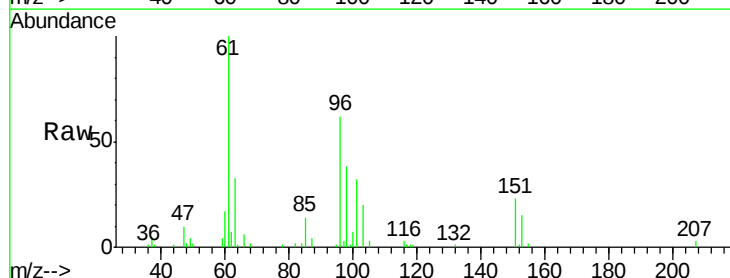
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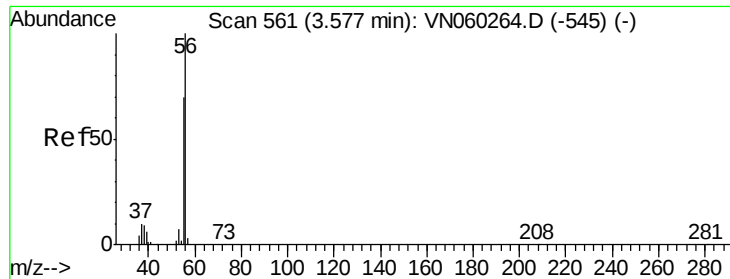
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#12
1,1-Dichloroethene
Concen: 18.618 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	135.4	203.0
98	61.8	51.6	77.4





#13

Acrolein

Concen: 96.575 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0305MBS01

Tot Ion: 56 Resp: 32819

Ion Ratio Lower Upper

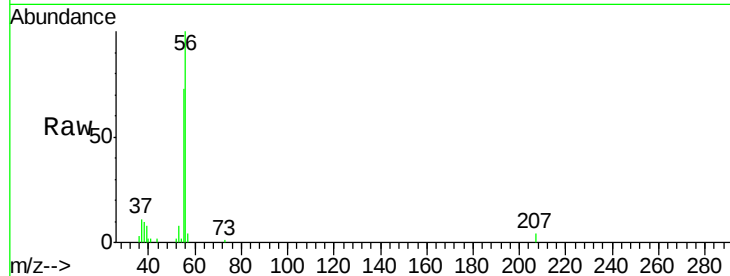
56 100

55 70.4 57.4 86.0

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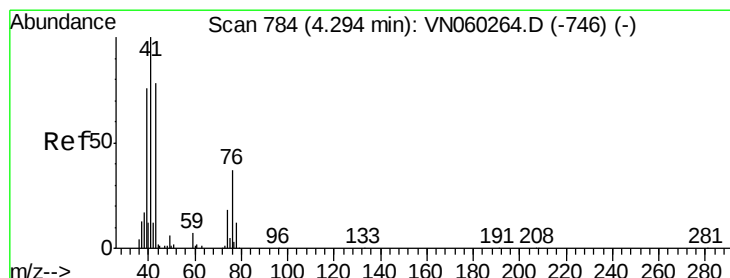
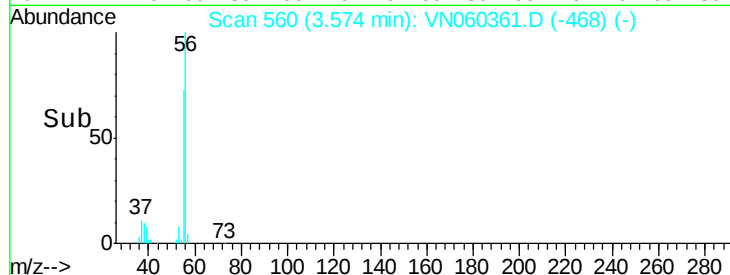
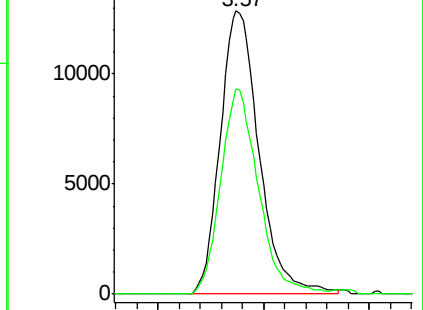
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Abundance Ion 56.00 (55.70 to 56.70): VN060361.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060361.D (-545) (-)



#14

Allyl chloride

Concen: 17.356 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

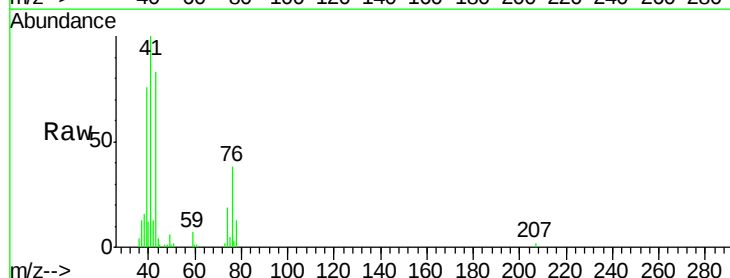
Tgt Ion: 41 Resp: 58786

Ion Ratio Lower Upper

41 100

39 78.7 55.4 83.2

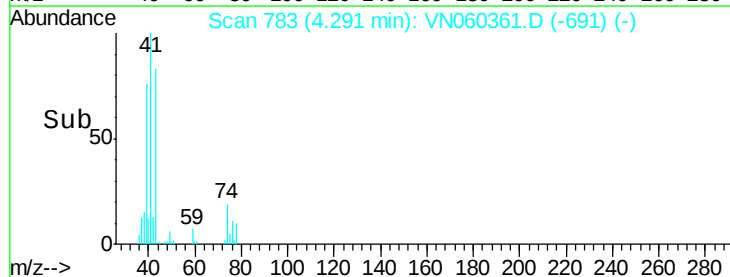
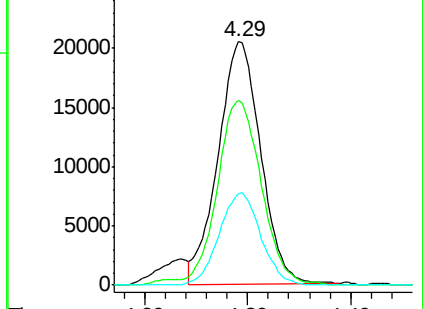
76 37.1 27.0 40.6

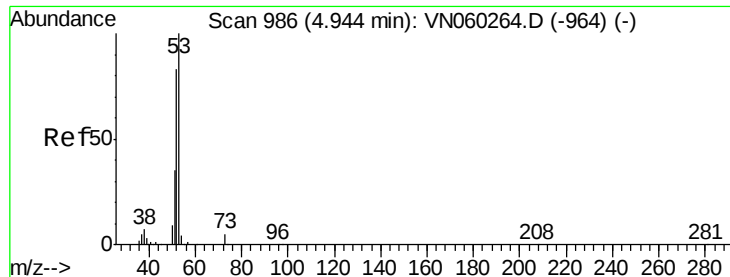


Abundance Ion 41.00 (40.70 to 41.70): VN060361.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060361.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060361.D (-691) (-)





#15

Acrylonitrile

Concen: 102.563 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

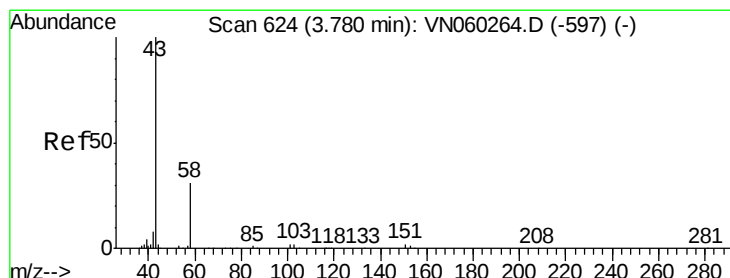
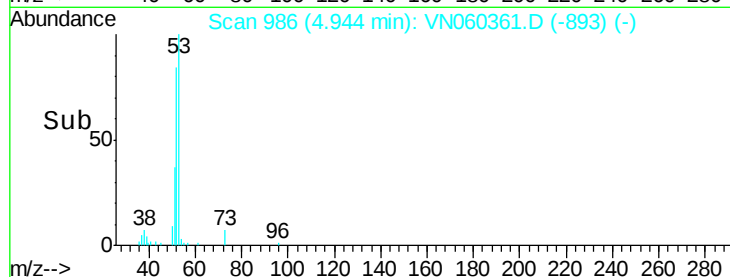
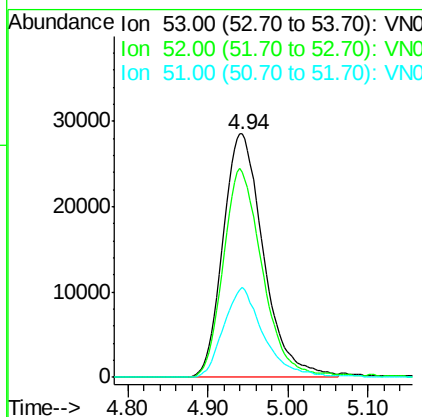
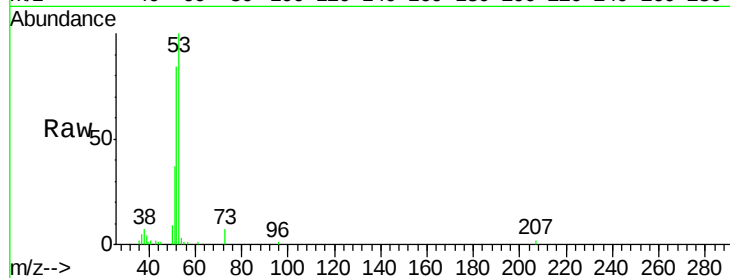
ClientSampleId :

VN0305MBS01

Tot Ion:	53	Resp:	98475
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.8	100.2
51	36.5	29.0	43.6

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#16

Acetone

Concen: 102.168 ug/l

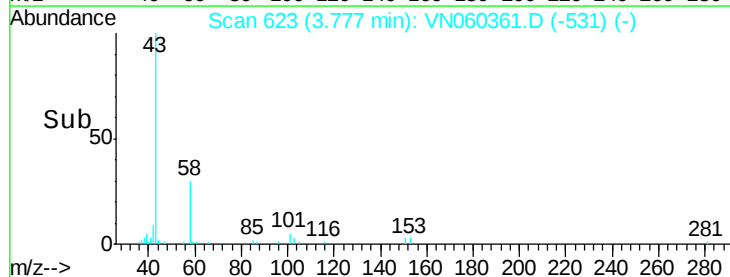
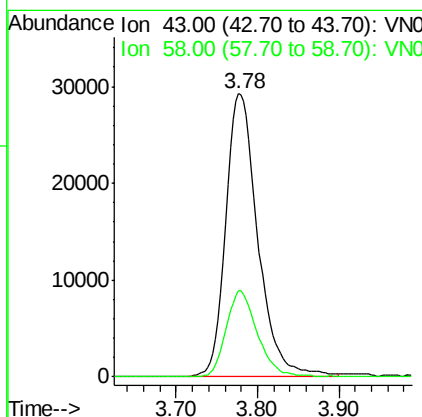
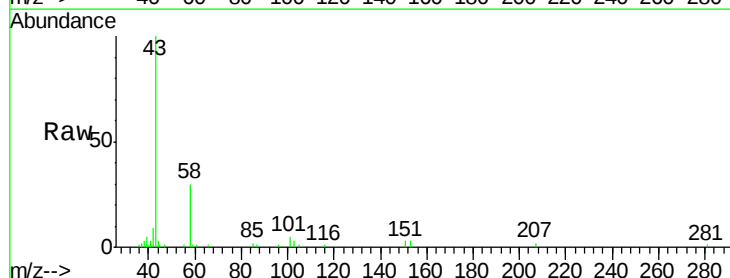
RT: 3.78 min Scan# 623

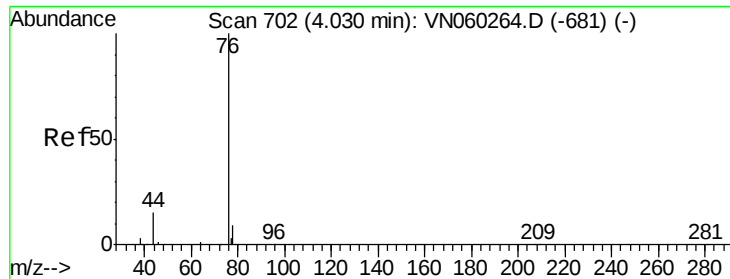
Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion:	43	Resp:	80939
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.6	36.8





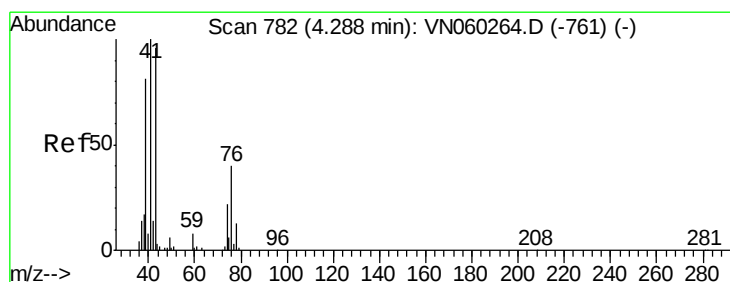
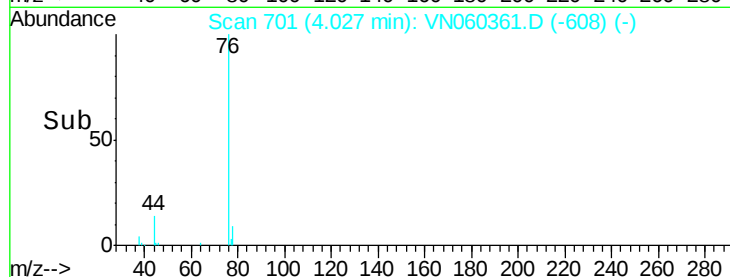
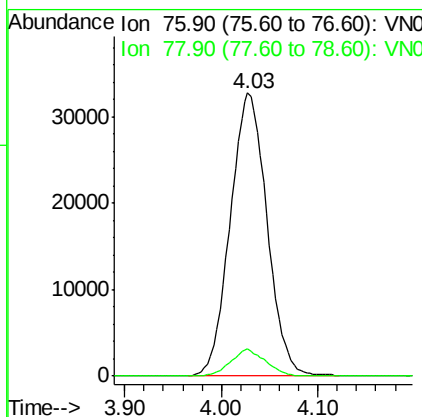
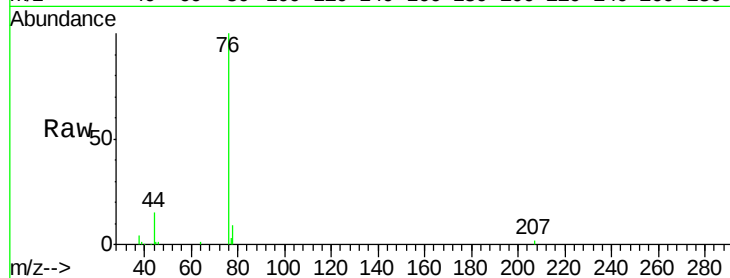
#17
Carbon Disulfide
Concen: 17.278 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

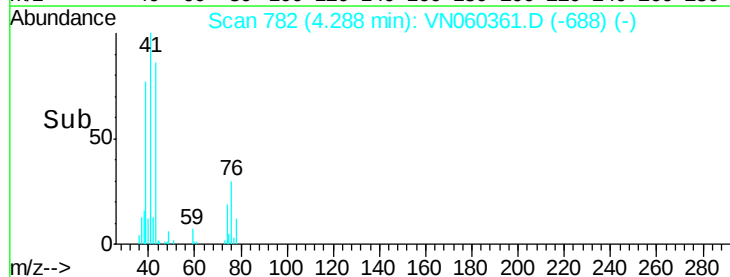
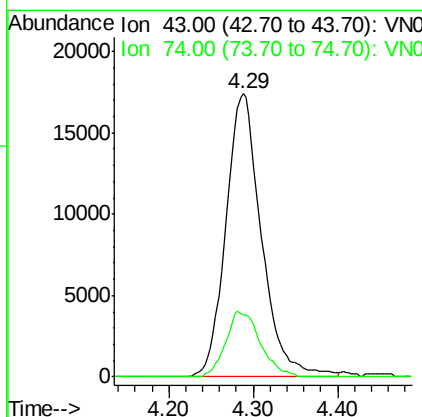
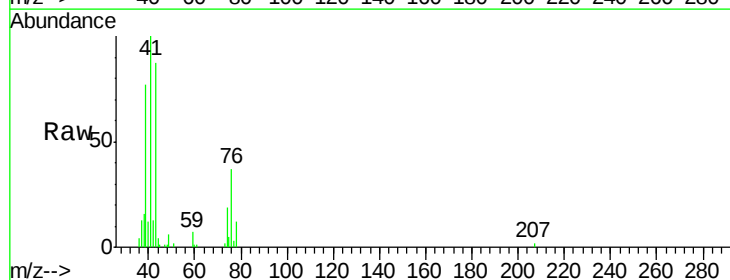
Manual Integrations
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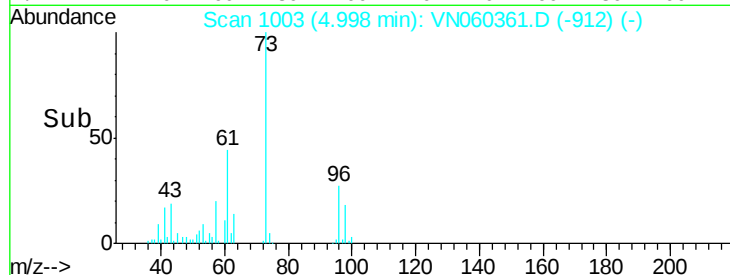
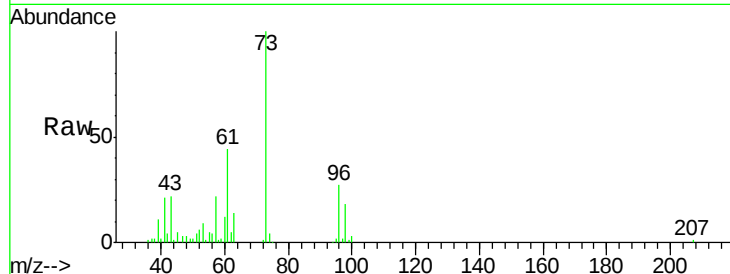
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3/6/2020 11:18:15 AM



#18
Methyl Acetate
Concen: 19.271 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.8	28.2





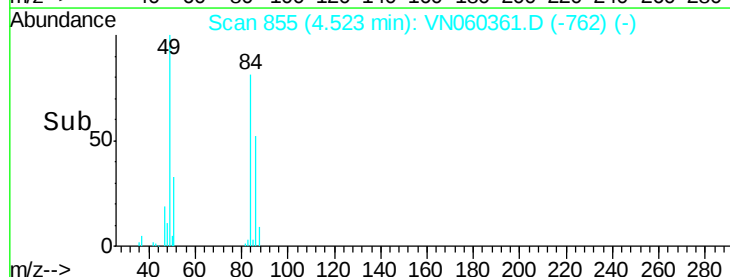
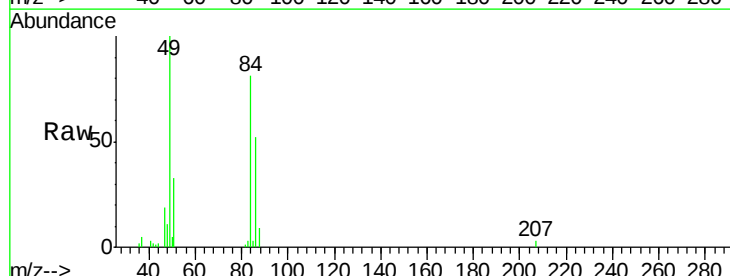
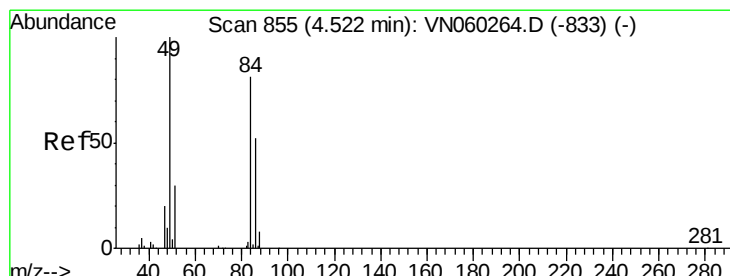
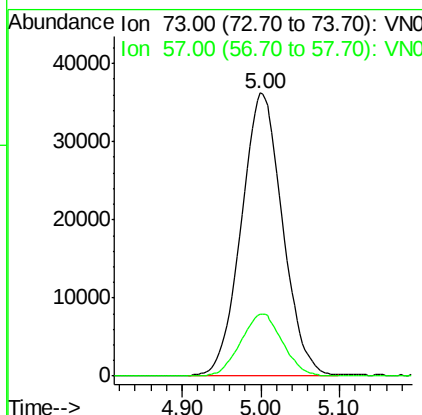
#19
Methvl tert-butvl Ether
Concen: 20.058 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tot Ion: 73 Resp: 133777
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

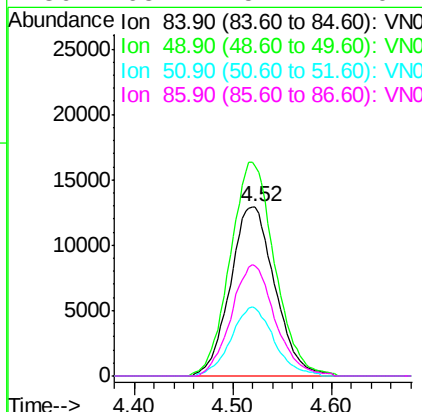
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#20
Methylene Chloride
Concen: 18.667 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 84 Resp: 40613
Ion Ratio Lower Upper
84 100
49 123.9 99.3 148.9
51 40.4 30.1 45.1
86 65.1 51.1 76.7





#21

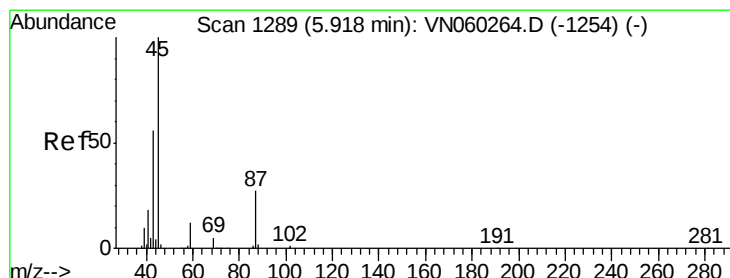
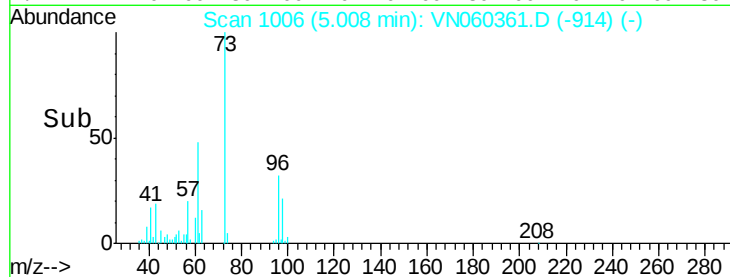
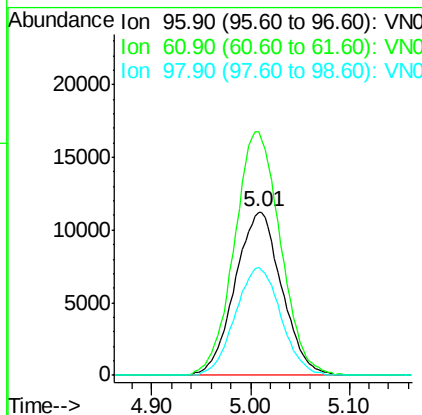
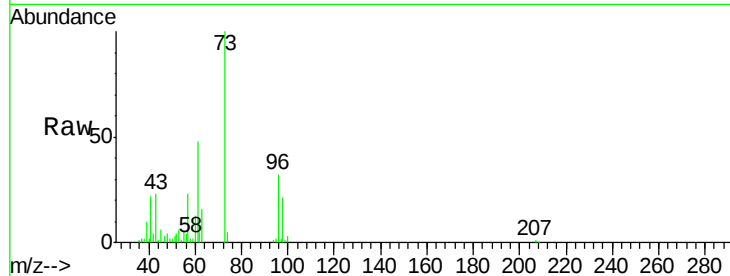
trans-1,2-Dichloroethene
Concen: 18.393 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.0	113.8	170.8
98	65.9	48.8	73.2

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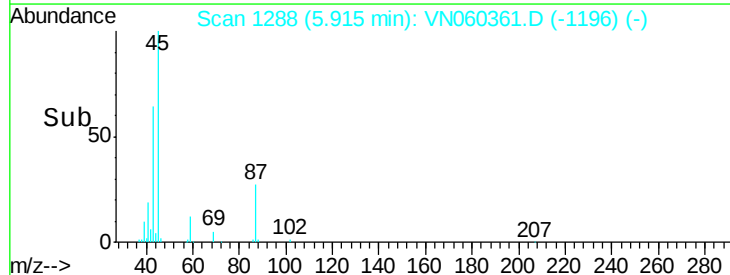
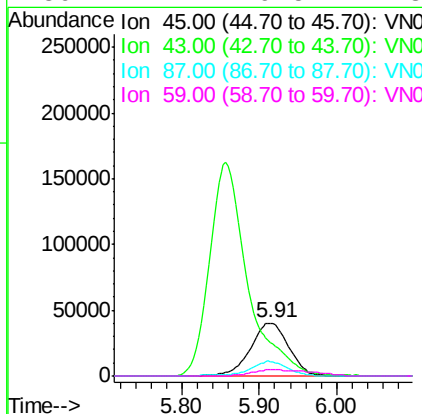
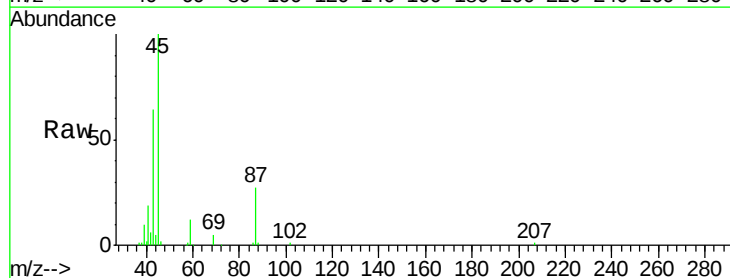
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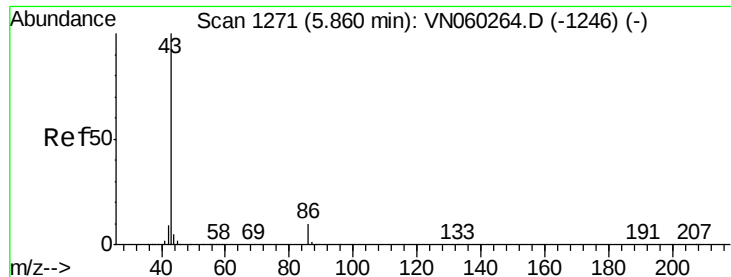


#22

Diisopropyl ether
Concen: 20.246 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	48.6	72.8
87	27.1	22.2	33.2
59	12.4	9.5	14.3





#23

Vinyl Acetate

Concen: 102.445 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion: 43 Resp: 558495

Ion Ratio Lower Upper

43 100

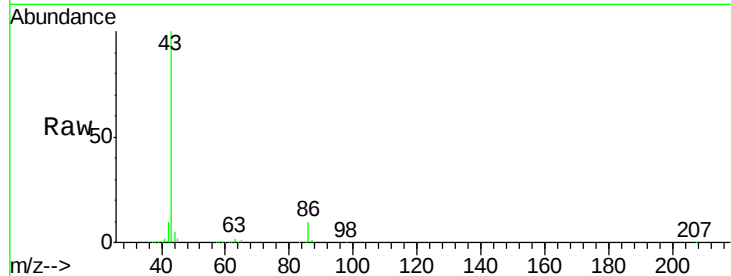
86 9.7 8.0 12.0

Manual Integrations

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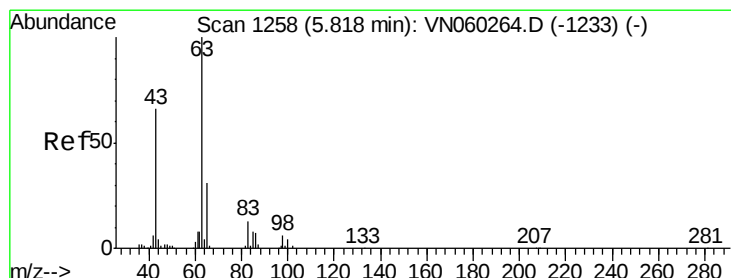
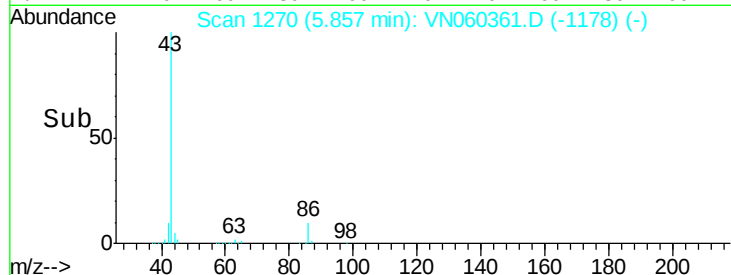
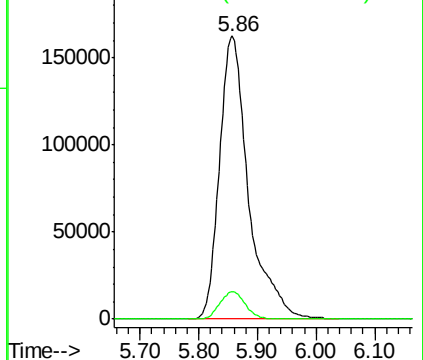
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.399 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

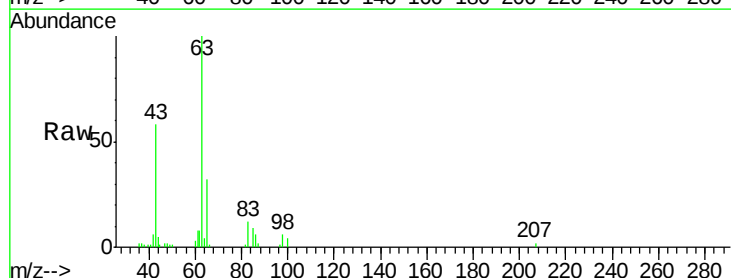
Tgt Ion: 63 Resp: 75338

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

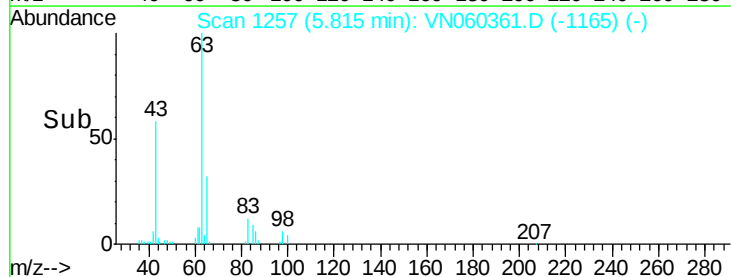
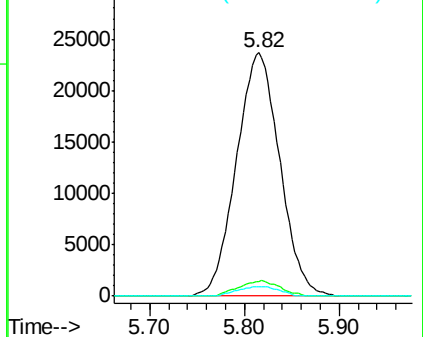
100 4.0 2.0 6.0



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





#25

2-Butanone

Concen: 104.015 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0305MBS01

Tot Ion: 43 Resp: 133099

Ion Ratio Lower Upper

43 100

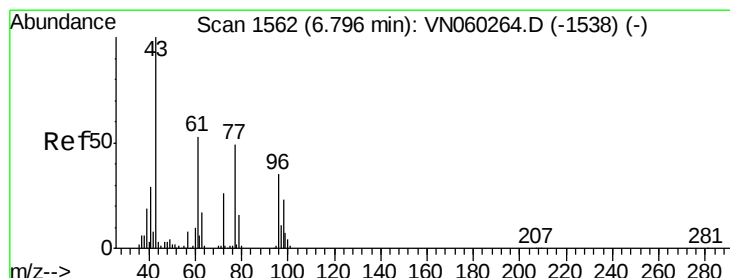
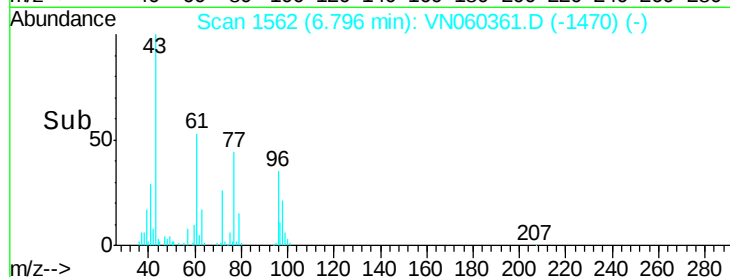
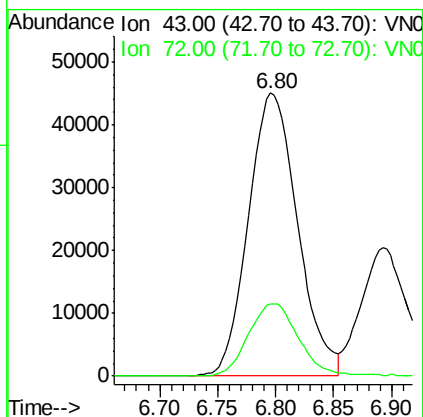
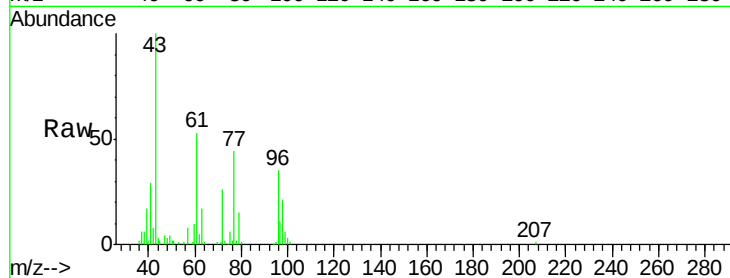
72 25.5 20.9 31.3

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 18.731 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060361.D

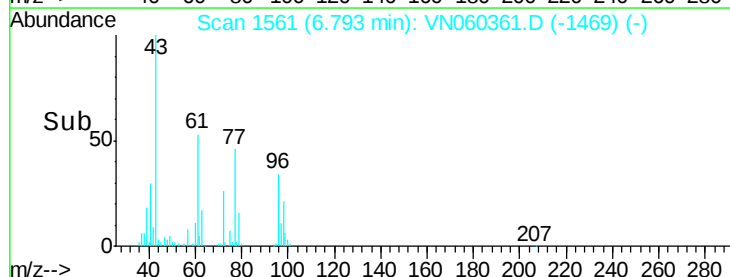
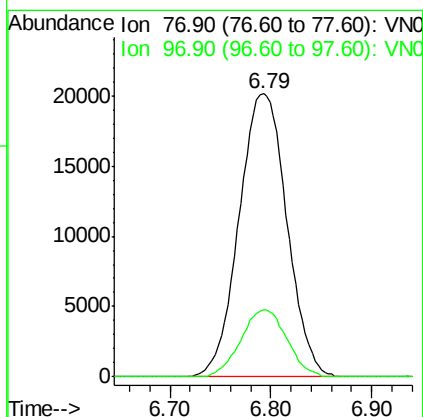
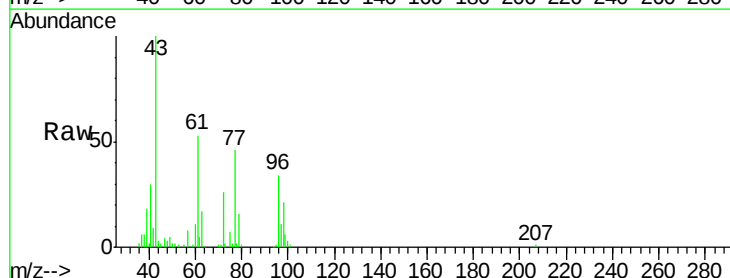
Acq: 5 Mar 2020 12:59

Tgt Ion: 77 Resp: 66225

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.870 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

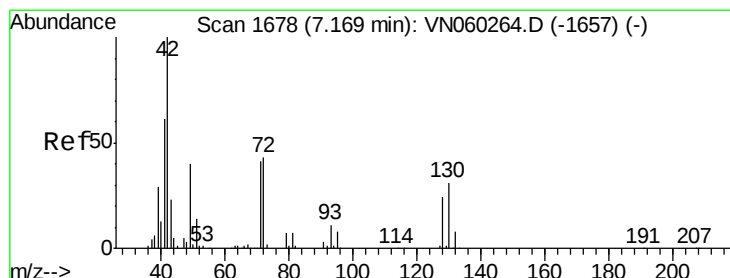
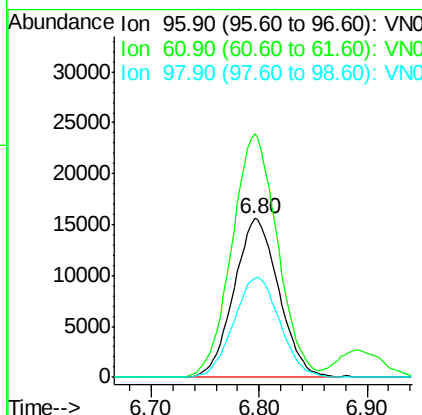
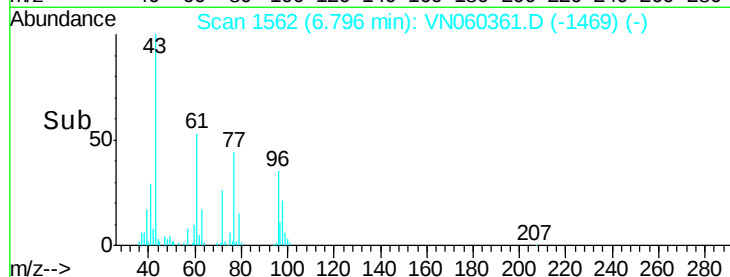
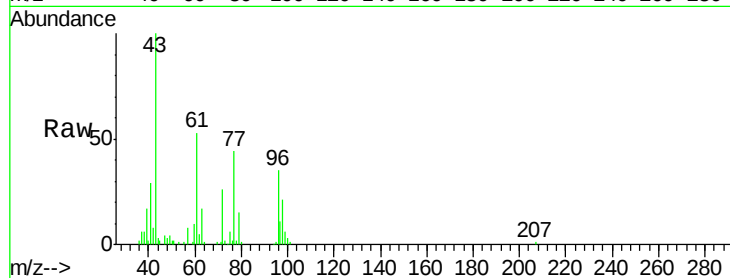
ClientSampleId :

VN0305MBS01

Tot Ion:	96	Resp:	45083
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	300.8
98	64.5	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.355 ug/l

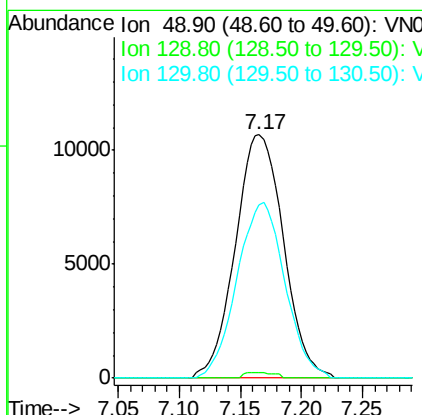
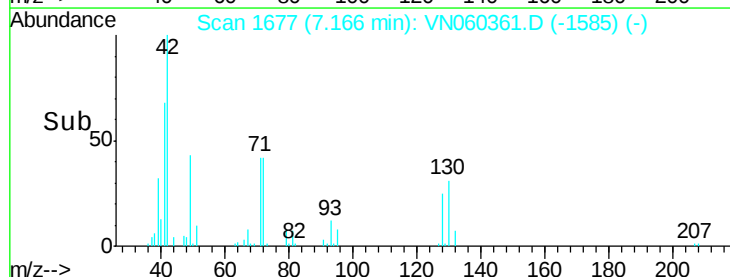
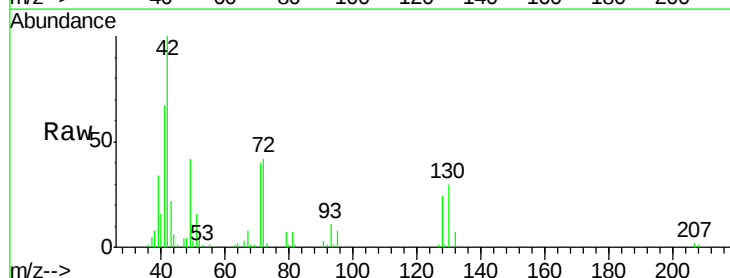
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion:	49	Resp:	29267
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	71.7	59.8	89.8





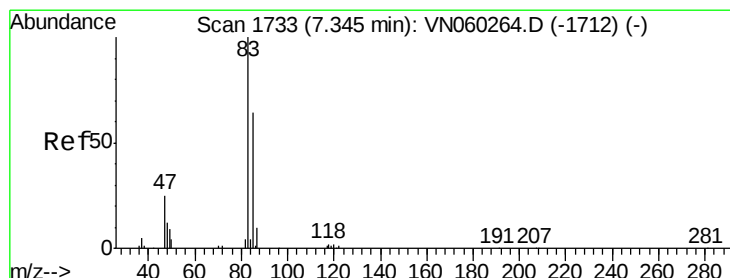
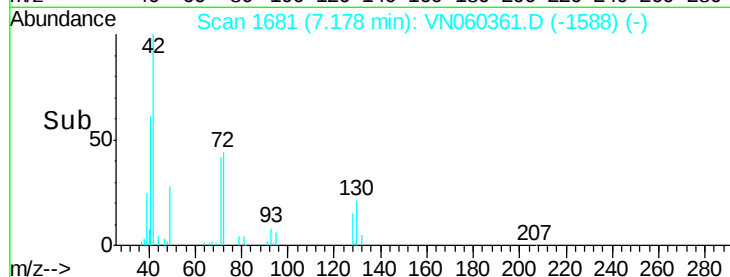
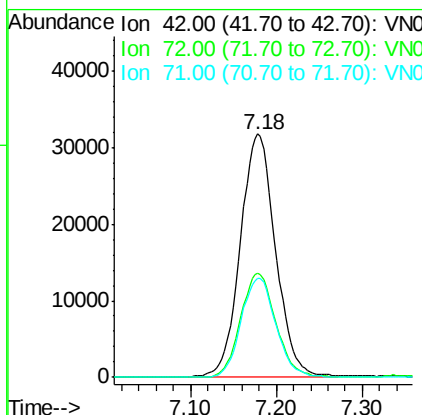
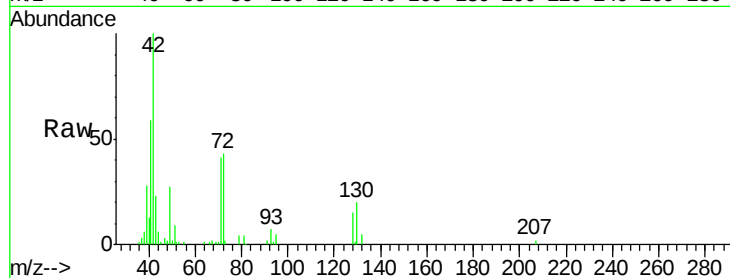
#29
Tetrahydrofuran
Concen: 102.064 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	52.0
71	40.0	32.9	49.3

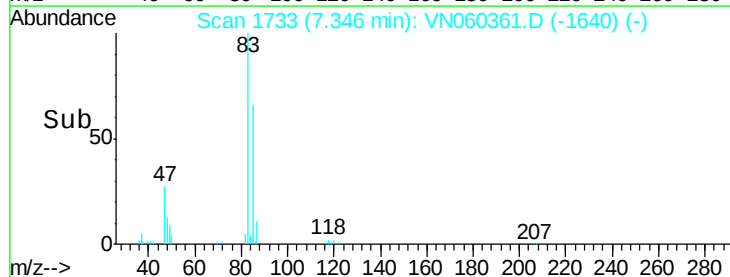
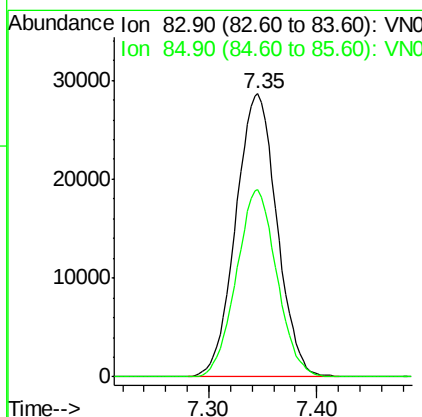
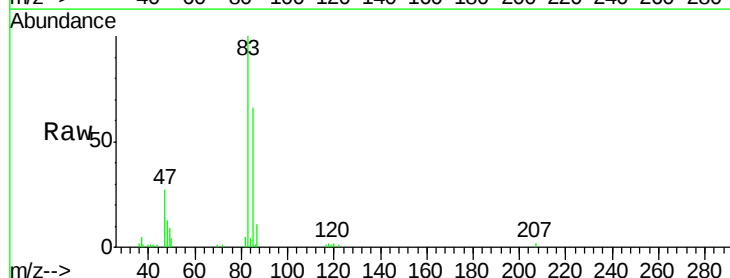
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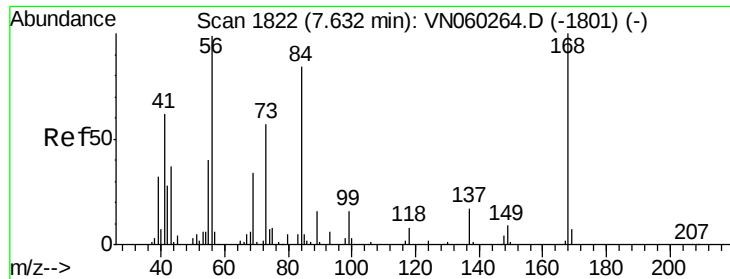
MMDadoda
3/6/2020 11:18:15 AM



#30
Chloroform
Concen: 19.622 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2





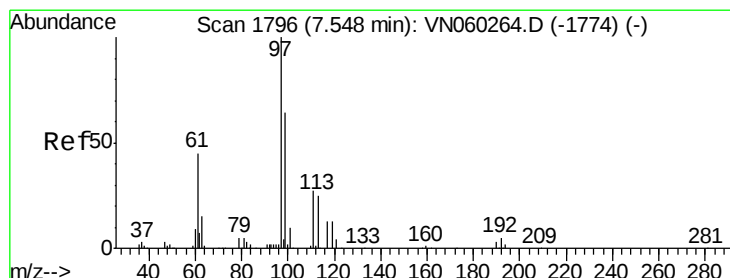
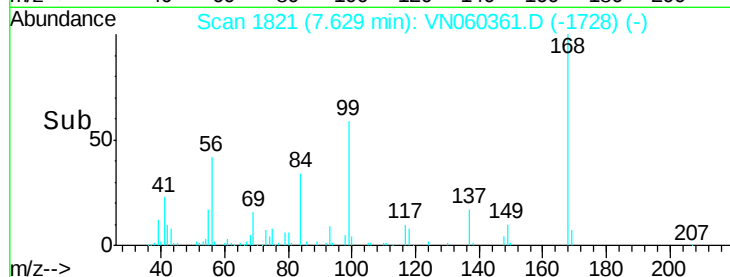
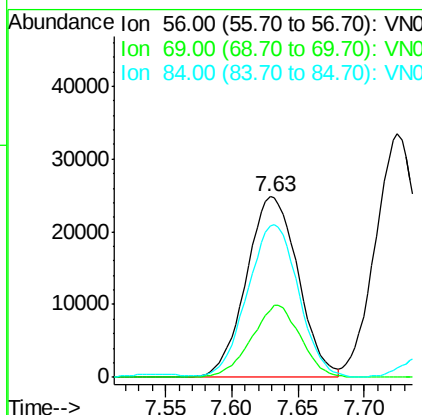
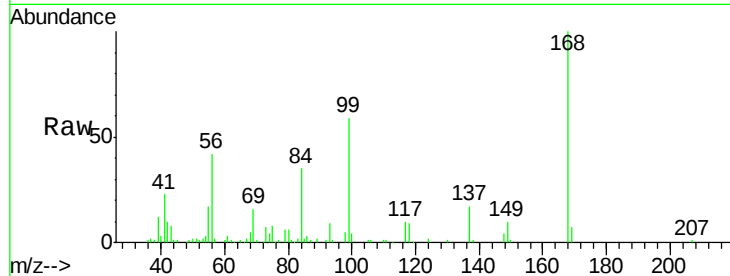
#31
Cyclohexane
Concen: 19.622 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	27.2	40.8
84	83.3	66.7	100.1

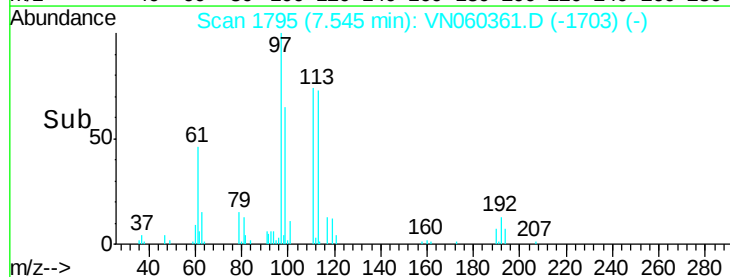
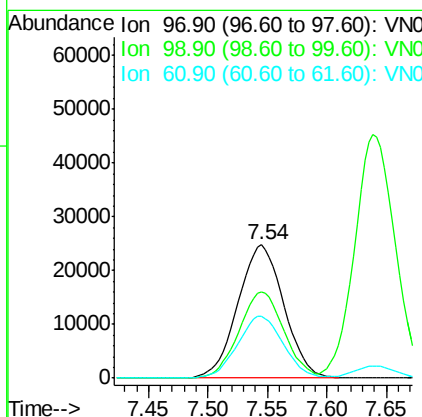
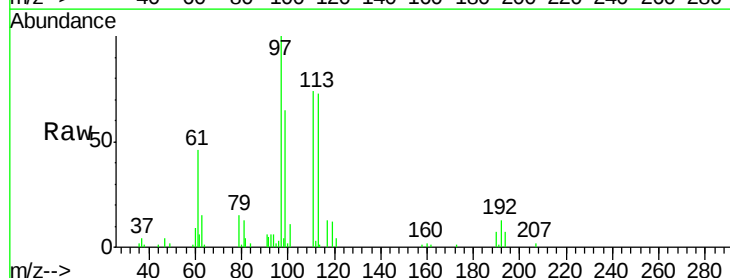
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#32
1,1,1-Trichloroethane
Concen: 19.277 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	46.2	36.6	55.0





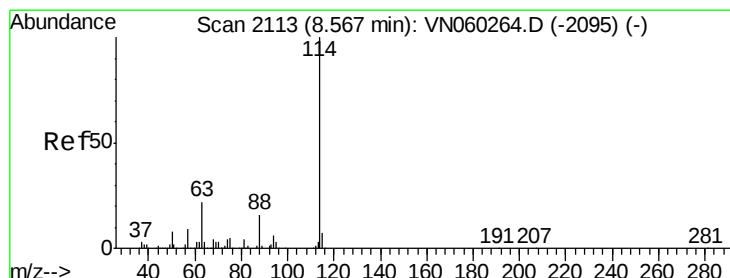
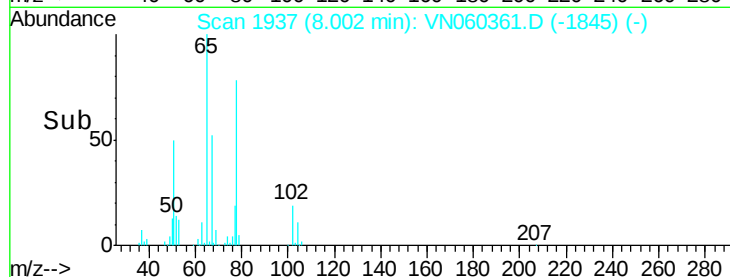
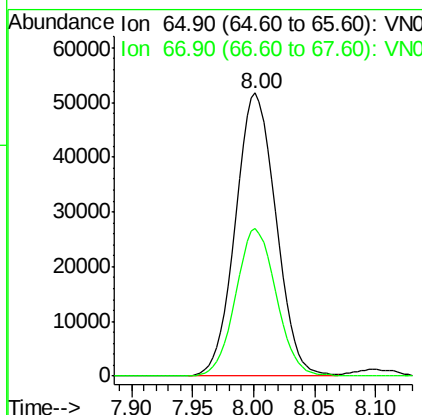
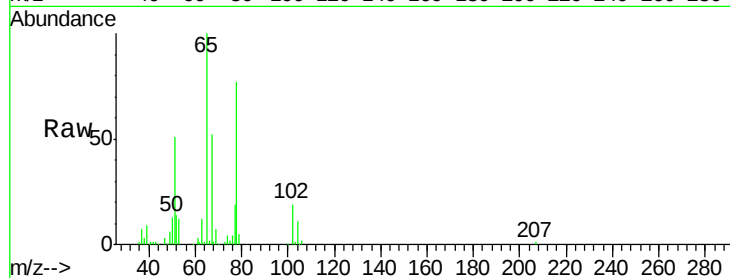
#33
 1,2-Dichloroethane-d4
 Concen: 48.634 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.8	

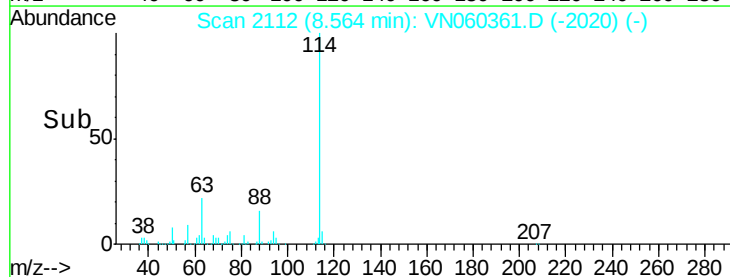
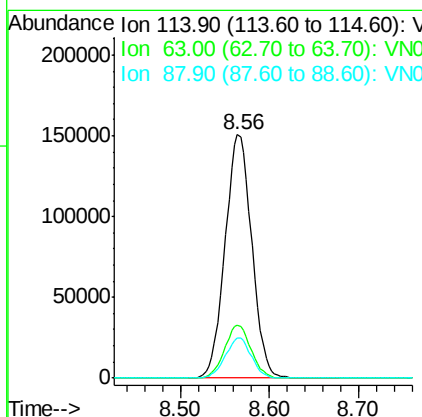
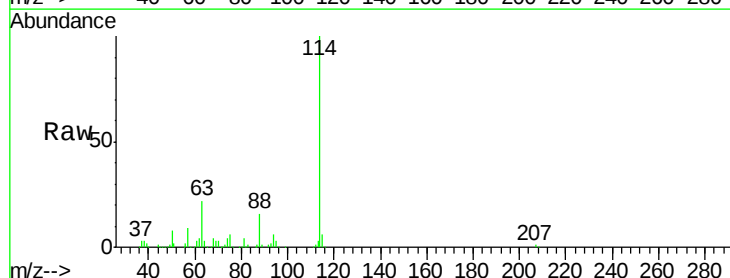
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	43.2	
88	16.4	0.0	31.6	





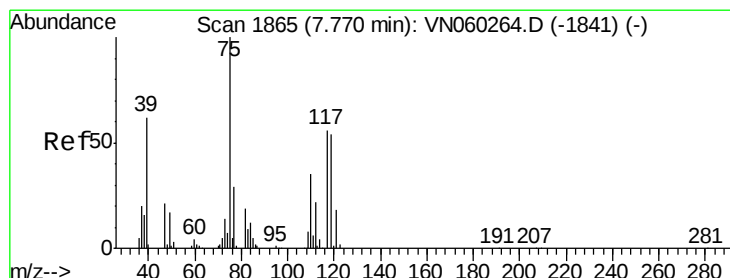
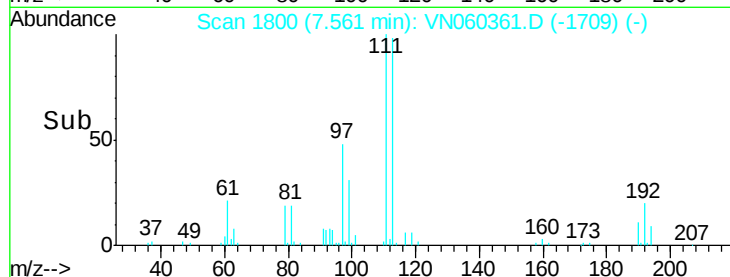
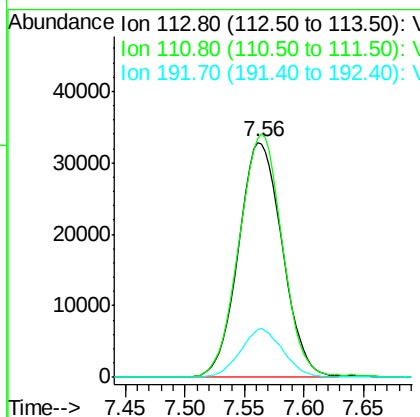
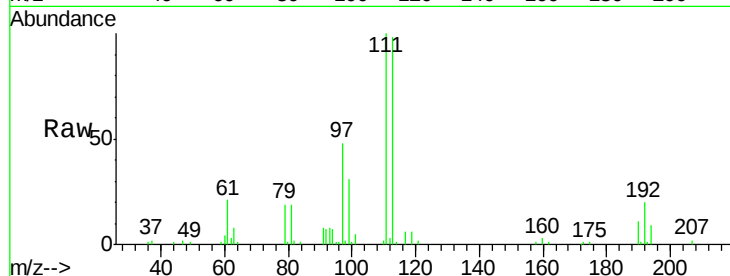
#35
Dibromofluoromethane
Concen: 57.791 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	19.9	16.2	24.2

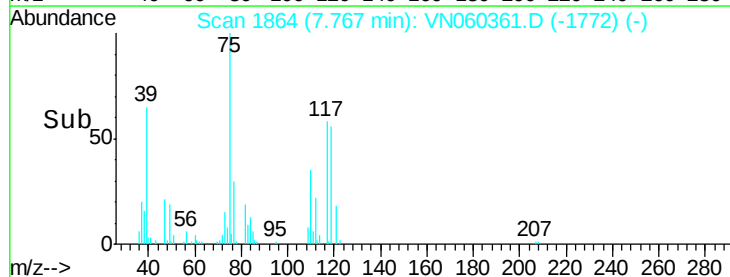
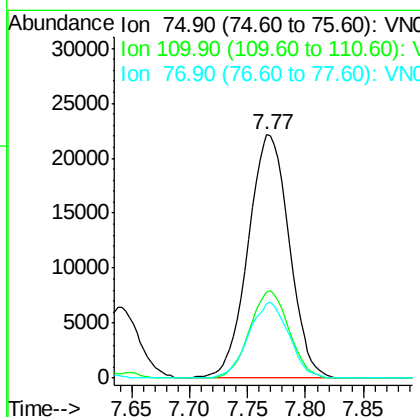
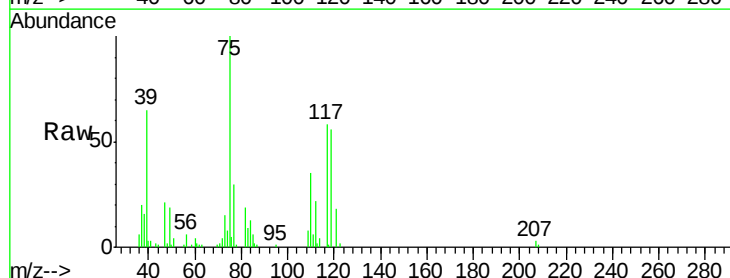
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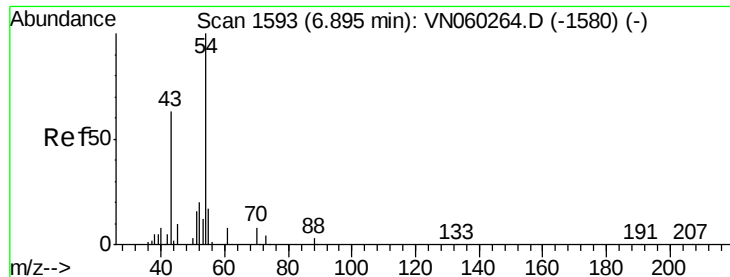
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#36
1,1-Dichloropropene
Concen: 18.390 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	30.4	24.2	36.2





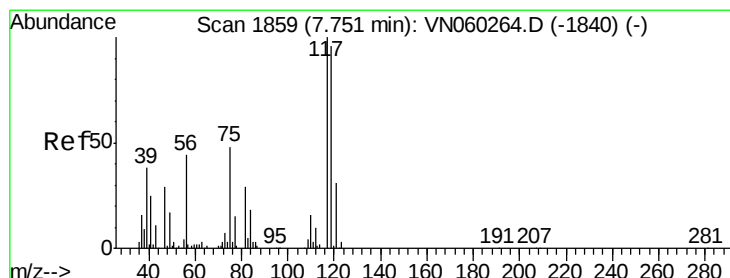
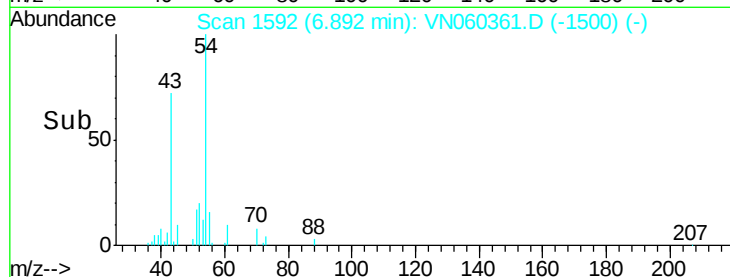
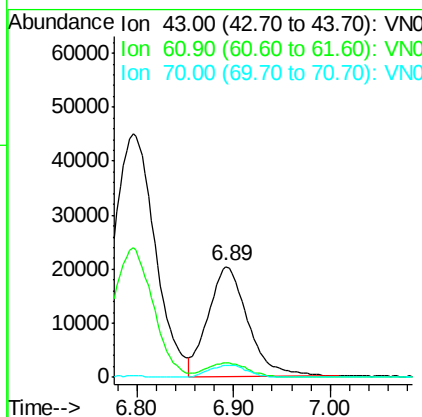
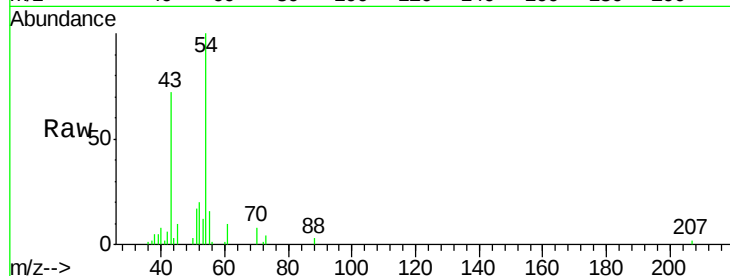
#37
Ethyl Acetate
Concen: 20.802 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	43	61	70
Ratio	100	13.5	10.2
Lower		11.1	8.4
Upper		16.7	12.6

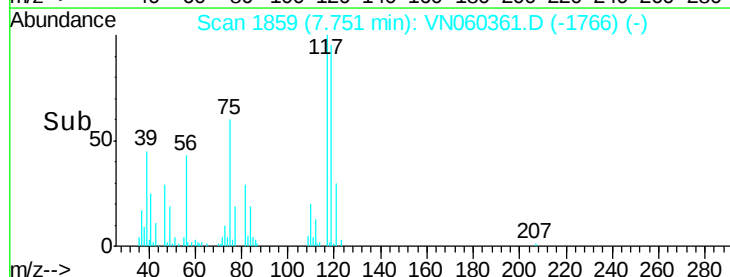
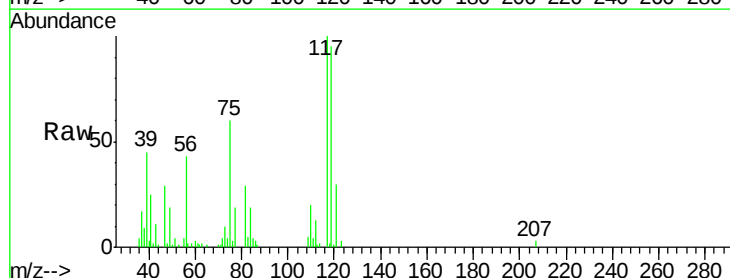
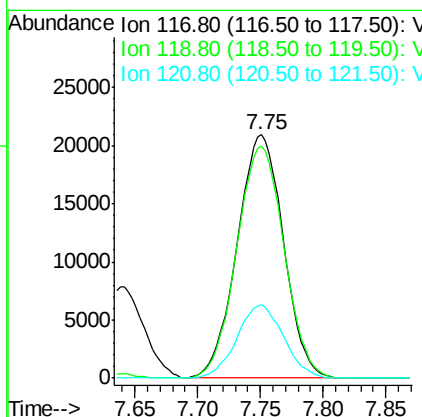
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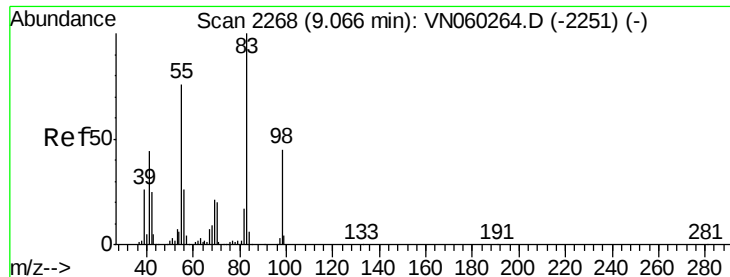
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#38
Carbon Tetrachloride
Concen: 18.587 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	117	119	121
Ratio	100	95.2	30.2
Lower		76.7	24.5
Upper		115.1	36.7





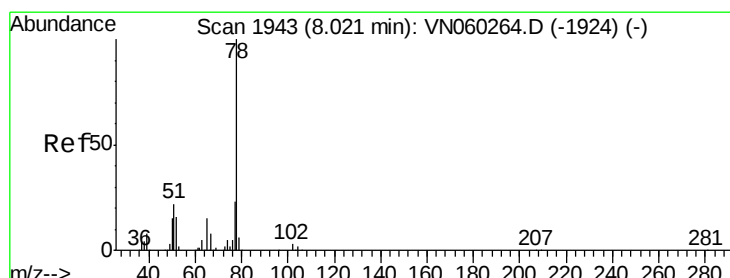
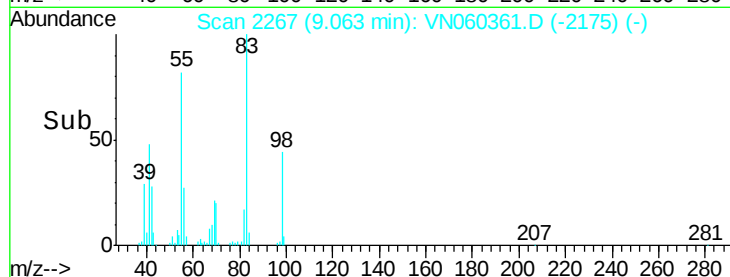
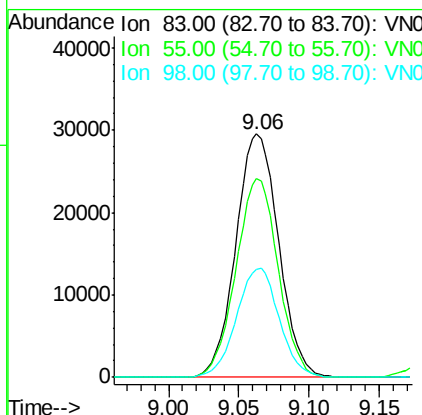
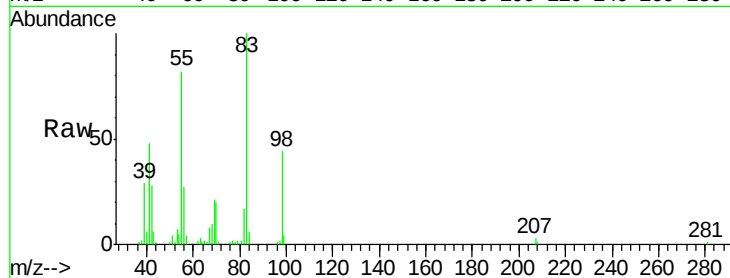
#39
Methvlcvclohexane
Concen: 17.958 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	61.0	91.4
98	44.3	36.1	54.1

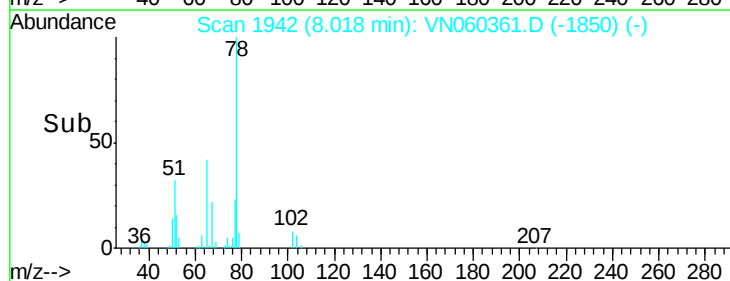
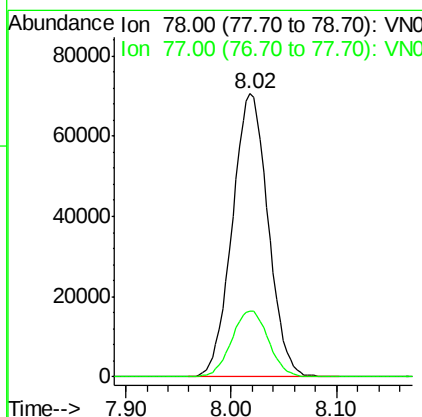
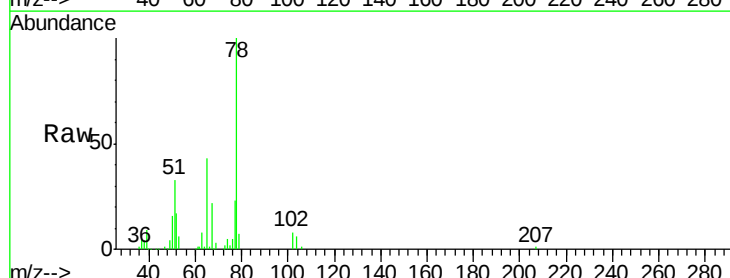
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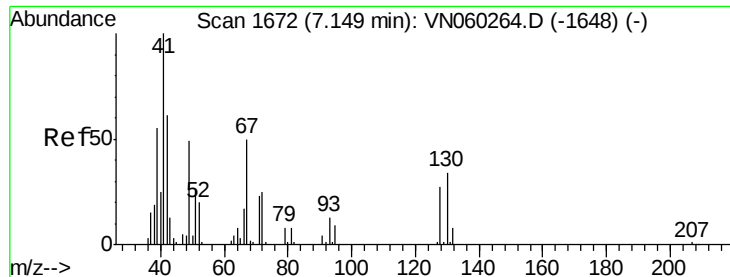
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3/6/2020 11:18:15 AM



#40
Benzene
Concen: 19.183 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





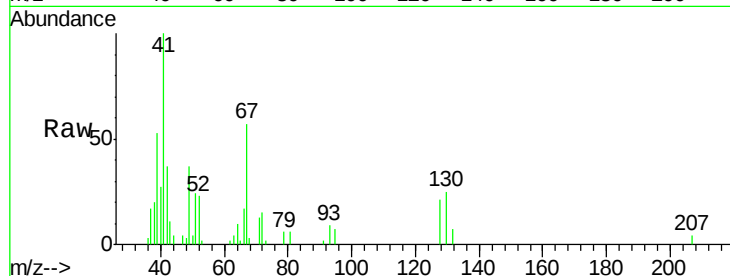
#41
Methacrylonitrile
Concen: 20.280 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

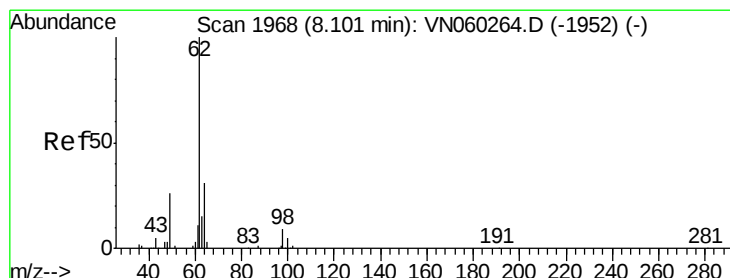
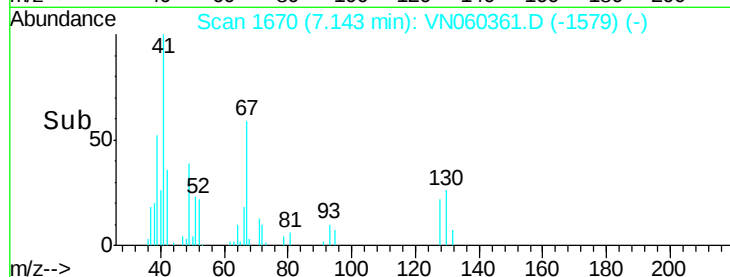
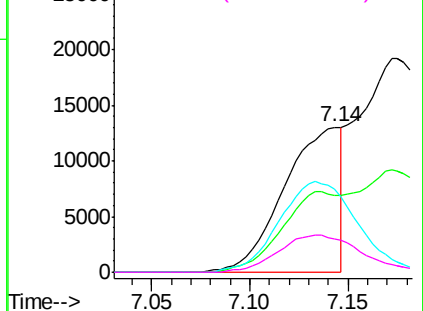
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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3/6/2020 11:18:15 AM

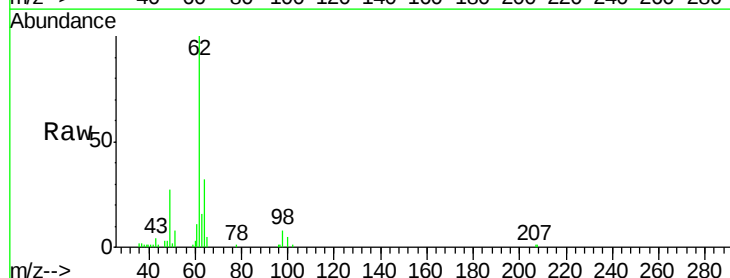


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

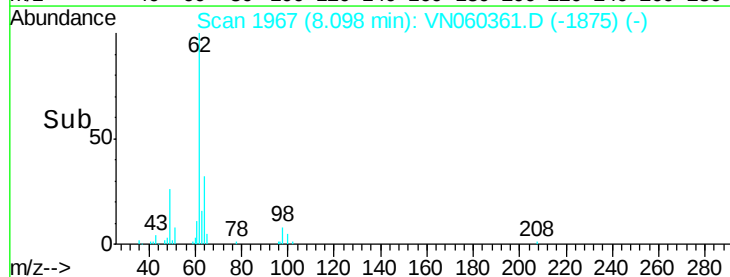
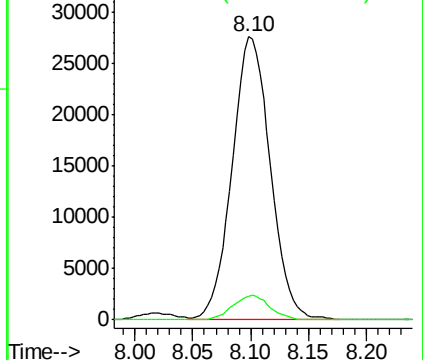


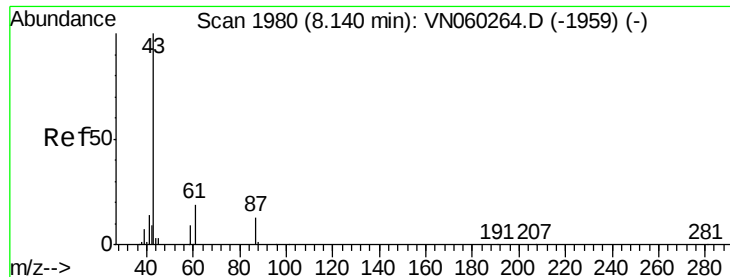
#42
1,2-Dichloroethane
Concen: 20.297 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.673 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

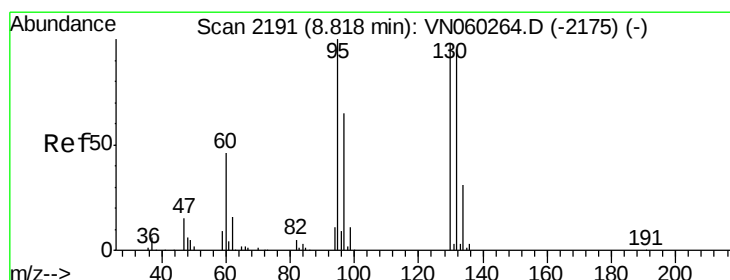
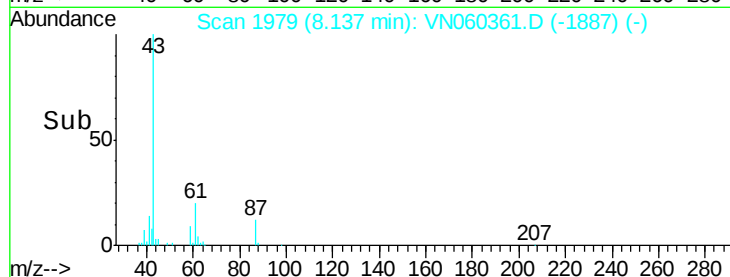
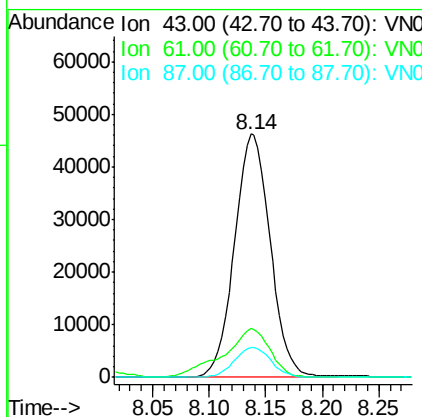
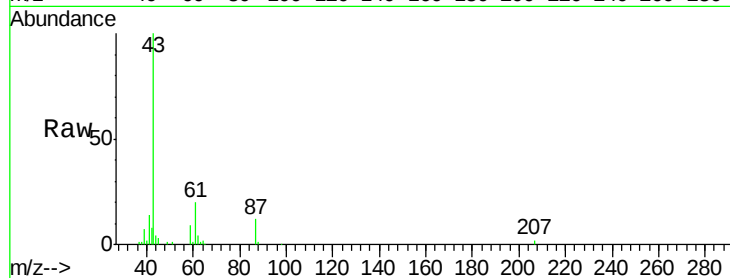
ClientSampleId :

VN0305MBS01

Tot Ion:	43	Resp:	101862
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.5	10.6	16.0

Manual Integrations
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3/6/2020 11:18:15 AM



#44

Trichloroethene

Concen: 18.789 ug/l

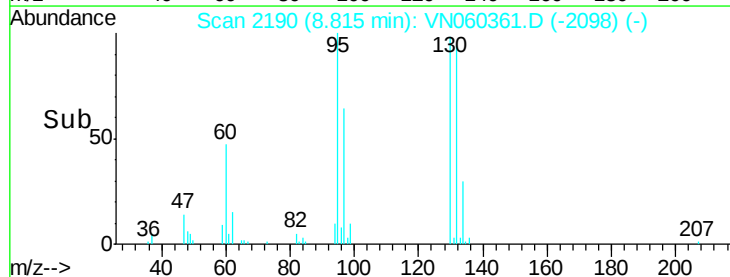
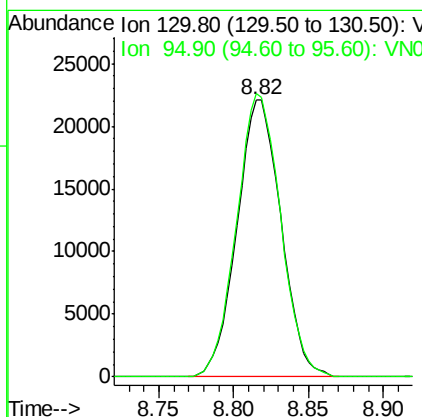
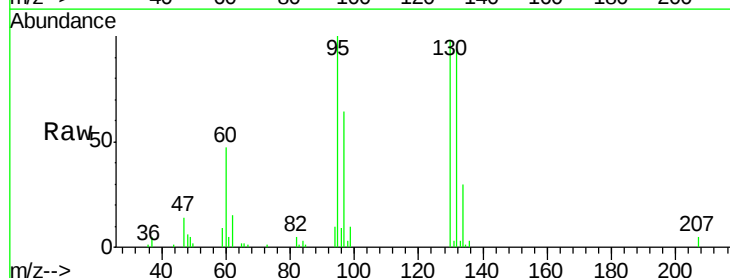
RT: 8.82 min Scan# 2190

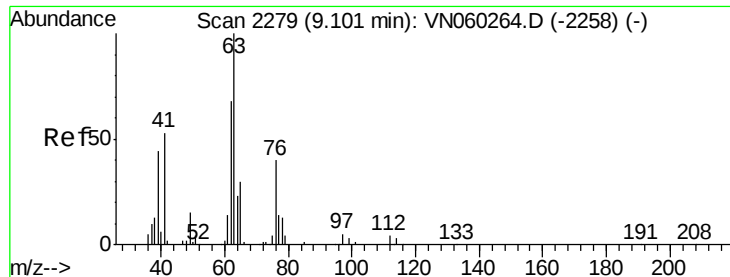
Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion:	130	Resp:	45274
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	203.4





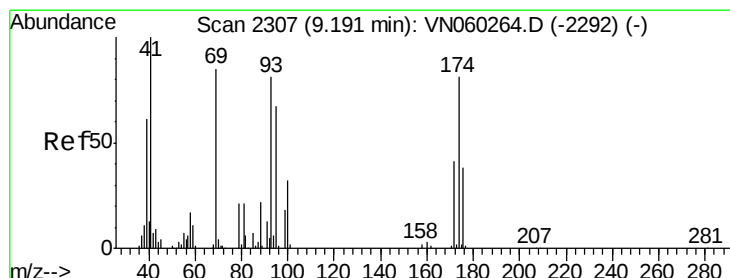
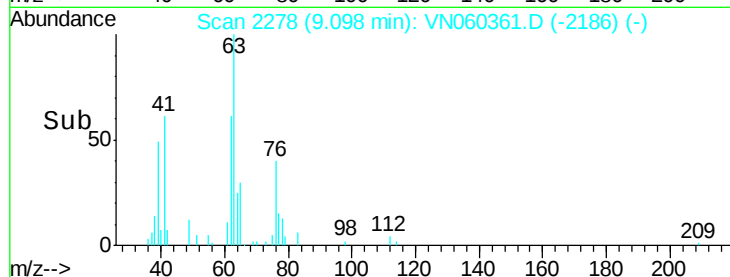
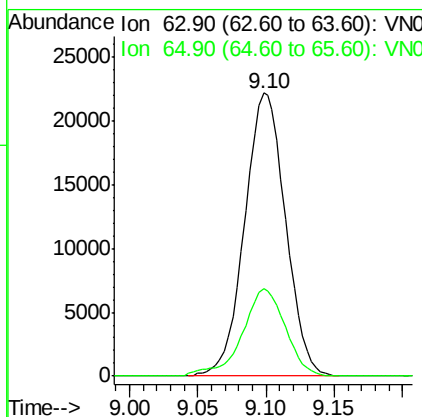
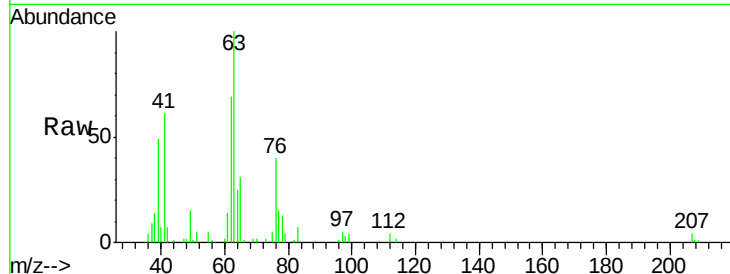
#45
 1,2-Dichloropropane
 Concen: 20.369 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.4	36.6

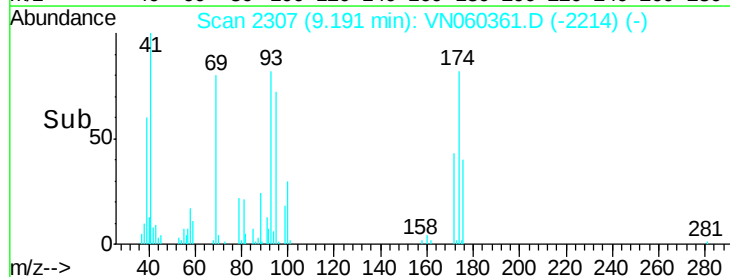
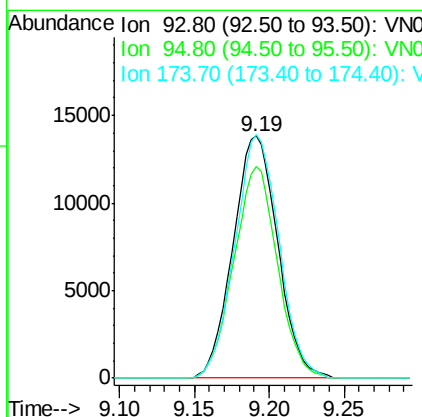
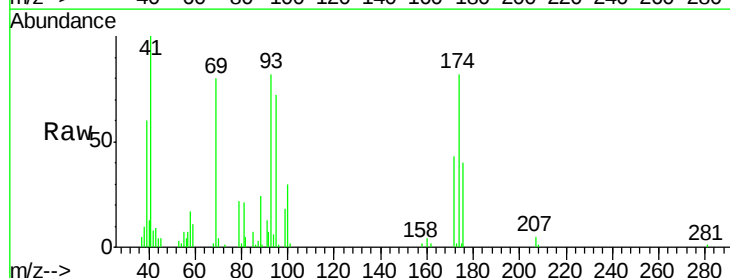
Manual Integrations
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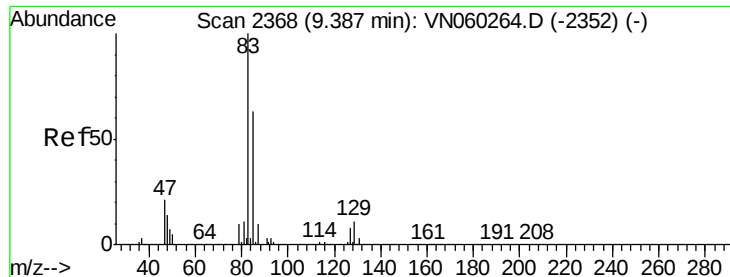
MMDadoda
 3/6/2020 11:18:15 AM



#46
 Dibromomethane
 Concen: 19.593 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	65.9	98.9
174	99.3	79.6	119.4





#47

Bromodichloromethane

Concen: 20.191 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

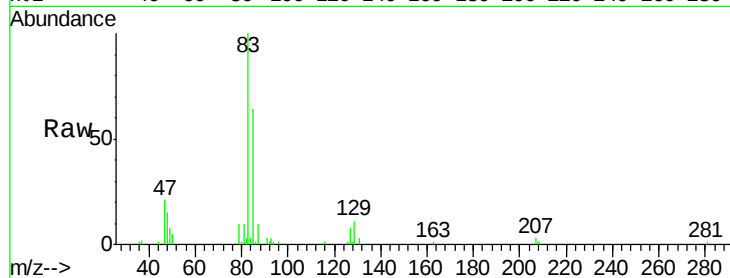
ClientSampled :

VN0305MBS01

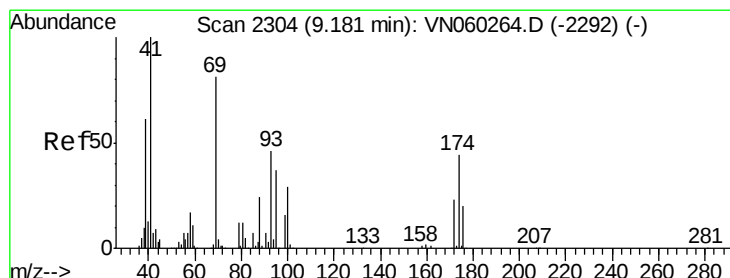
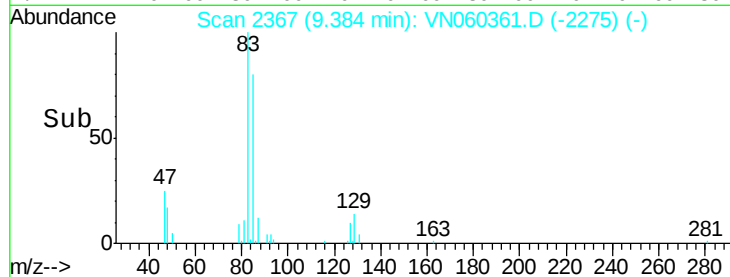
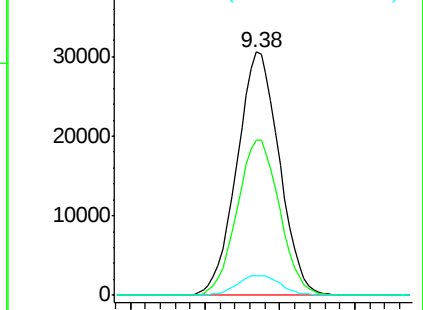
Tot Ion:	83	Resp:	60272
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1
127	8.3	6.8	10.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060361.D (-2275) (-)



#48

Methyl methacrylate

Concen: 19.676 ug/l

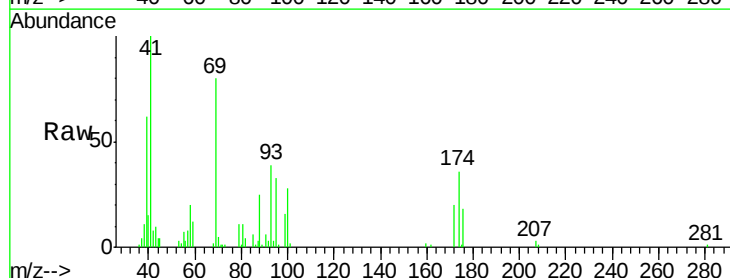
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

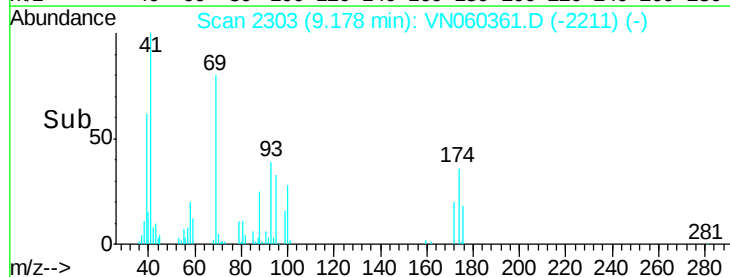
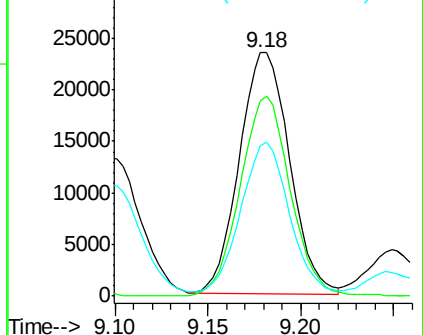
Lab File: VN060361.D

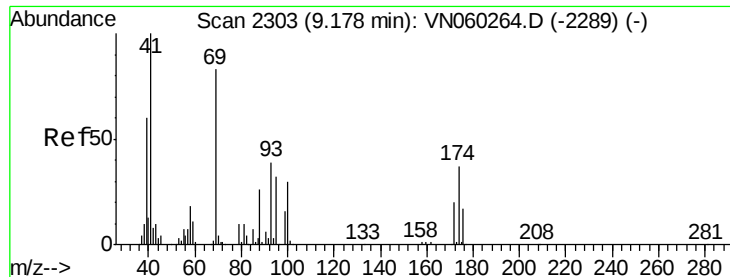
Acq: 5 Mar 2020 12:59

Tgt Ion:	41	Resp:	44211
Ion	Ratio	Lower	Upper
41	100		
69	82.8	66.7	100.1
39	63.4	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060361.D (-2211) (-)





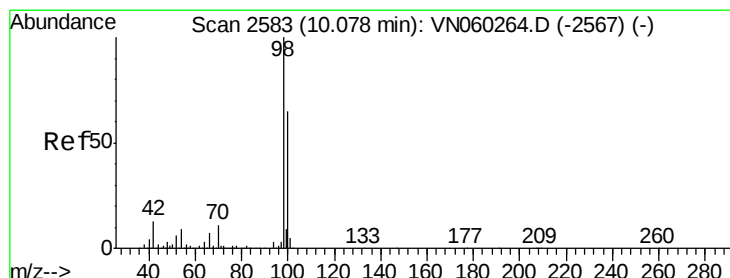
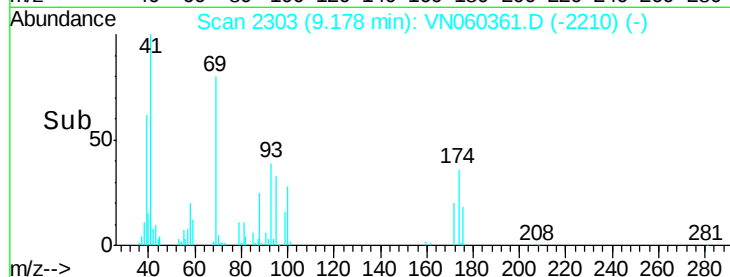
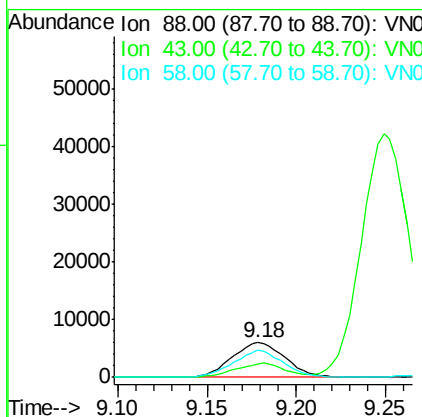
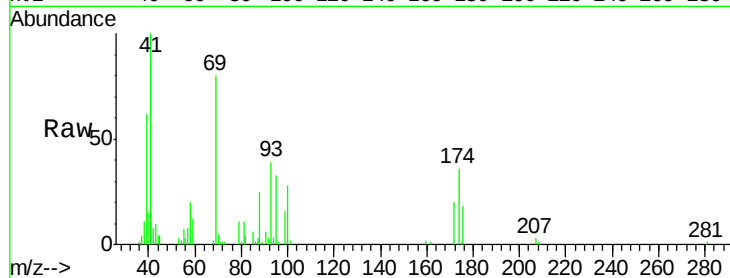
#49
1,4-Dioxane
Concen: 395.116 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	88	Resp	12485
Ion Ratio	Lower	Upper	
88	100		
43	37.8	30.4	45.6
58	73.0	57.0	85.6

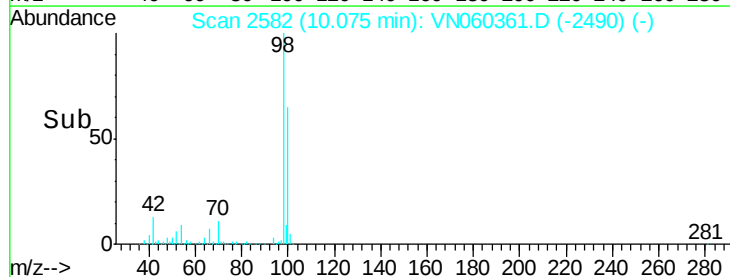
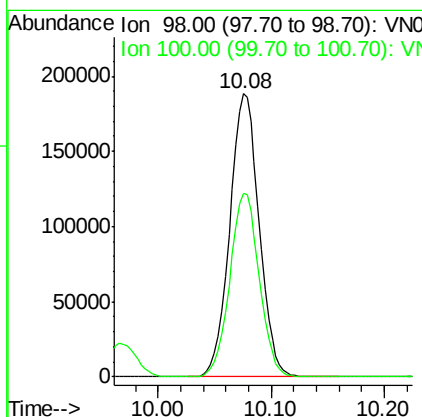
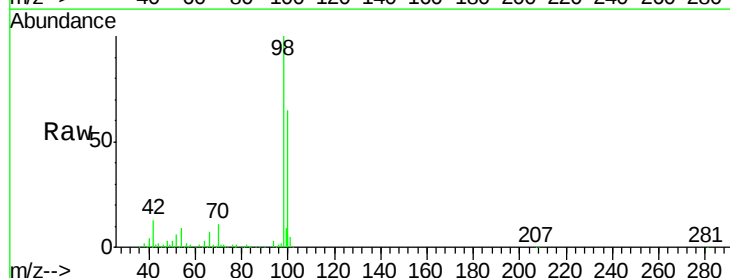
Manual Integrations
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#50
Toluene-d8
Concen: 46.311 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	98	Resp	339325
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 104.624 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion: 43 Resp: 292293

Ion Ratio Lower Upper

43 100

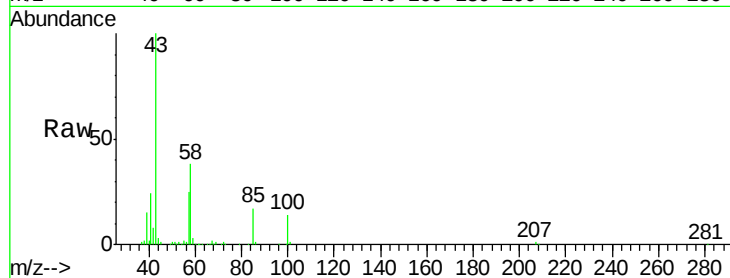
58 38.2 30.9 46.3

Manual Integrations

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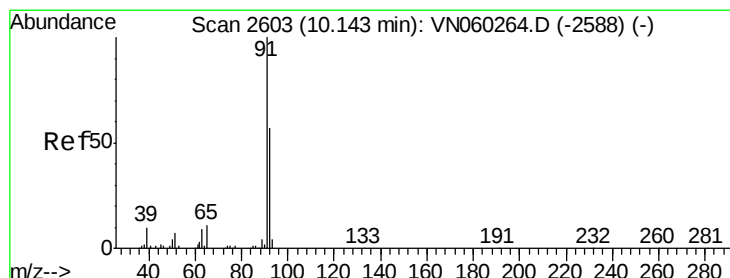
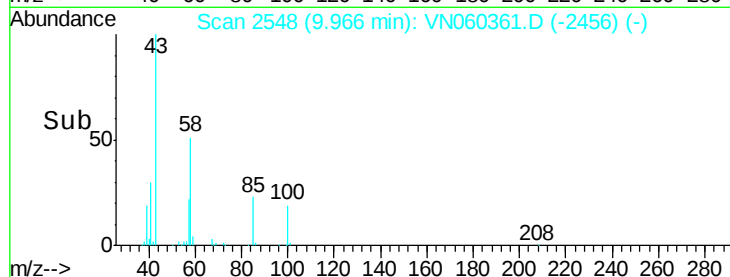
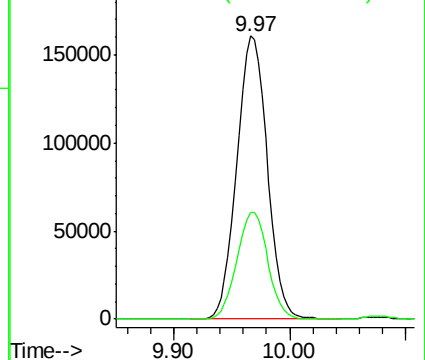
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.911 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060361.D

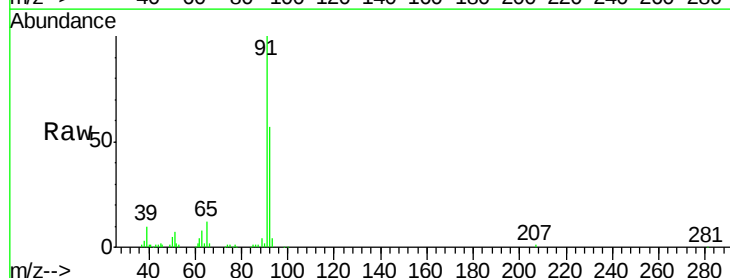
Acq: 5 Mar 2020 12:59

Tgt Ion: 92 Resp: 102776

Ion Ratio Lower Upper

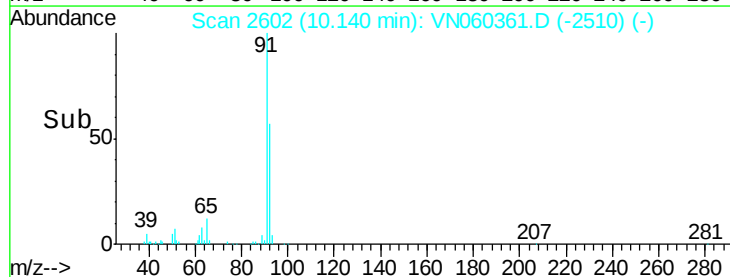
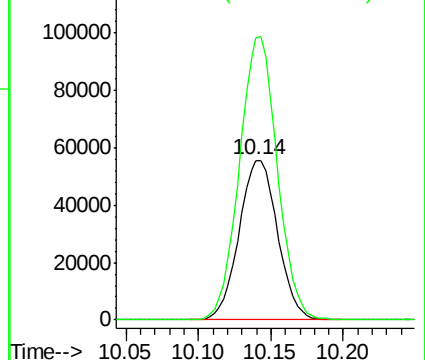
92 100

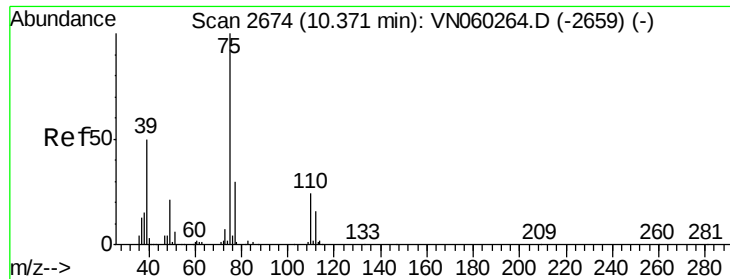
91 174.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





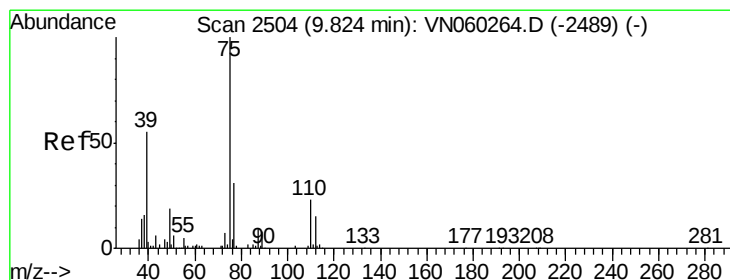
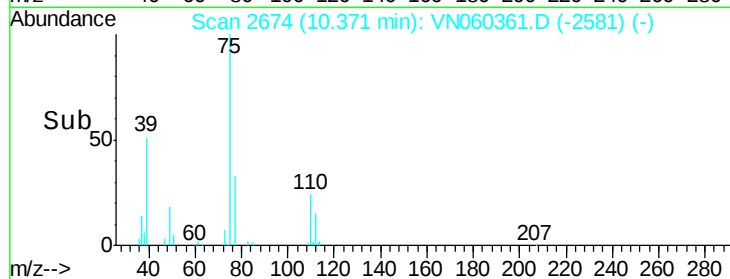
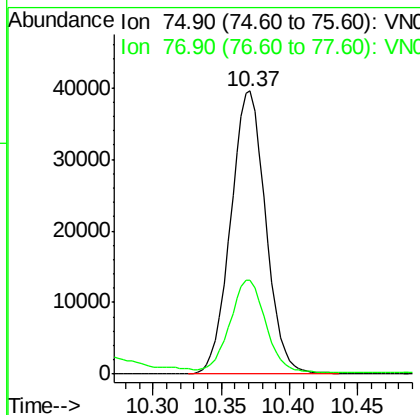
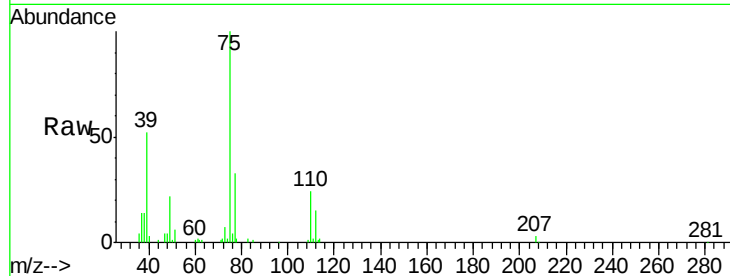
#53
t-1,3-Dichloropropene
Concen: 19.282 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.8	37.2

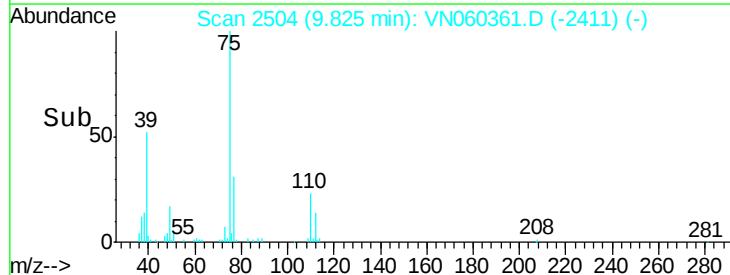
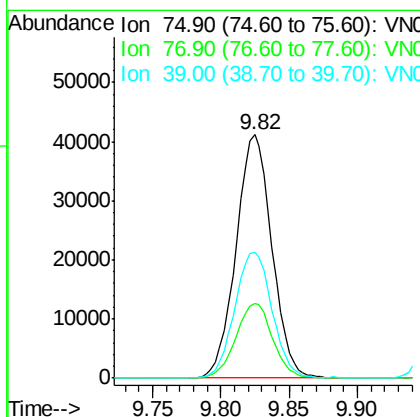
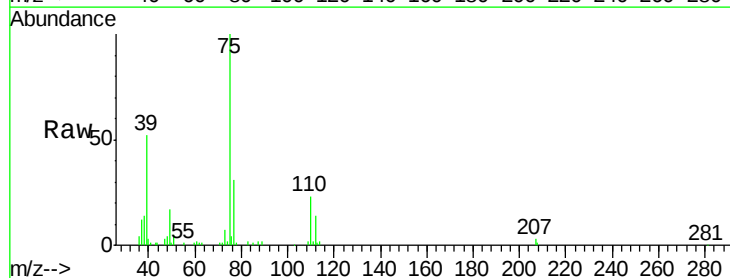
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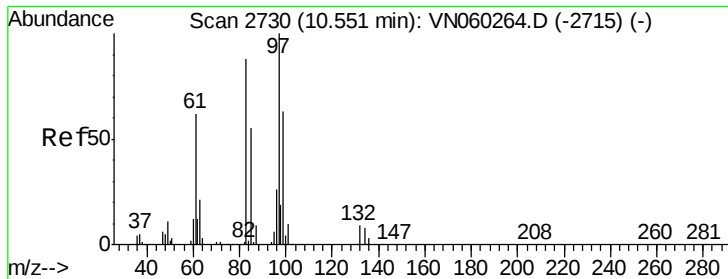
MMDadoda
3/6/2020 11:18:15 AM



#54
cis-1,3-Dichloropropene
Concen: 19.796 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2
39	51.7	43.8	65.8





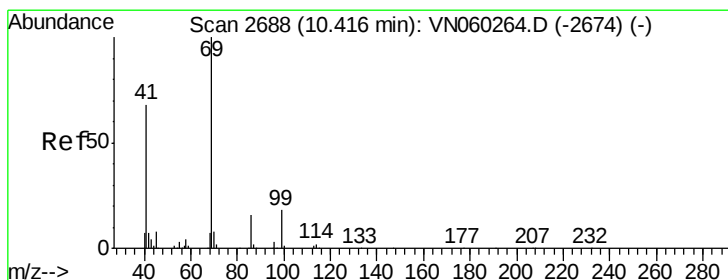
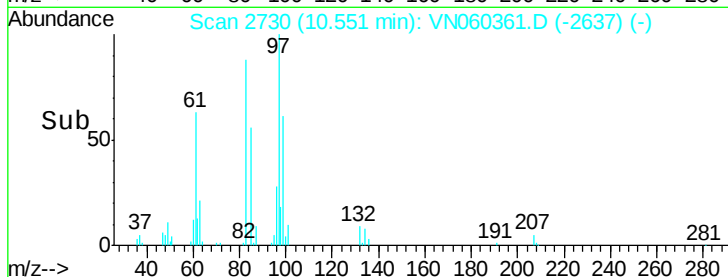
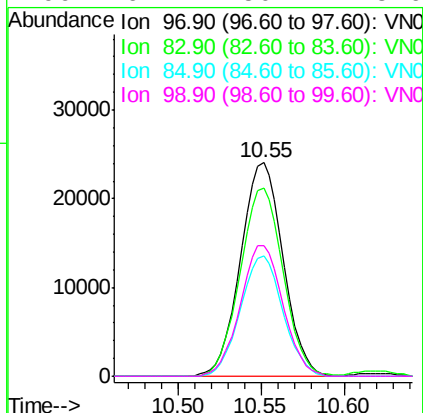
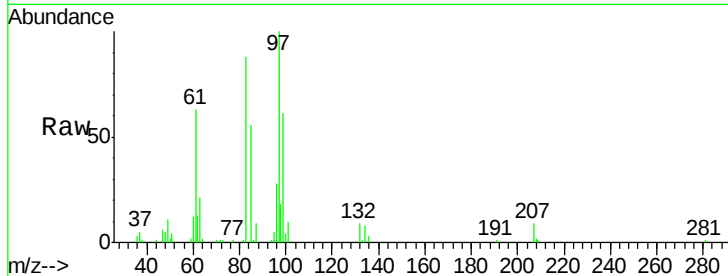
#55
 1,1,2-Trichloroethane
 Concen: 19.696 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		43046		
83	87.9	70.0	105.0		
85	56.1	44.0	66.0		
99	61.1	50.4	75.6		

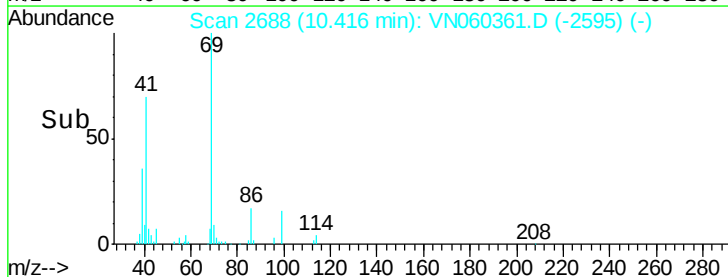
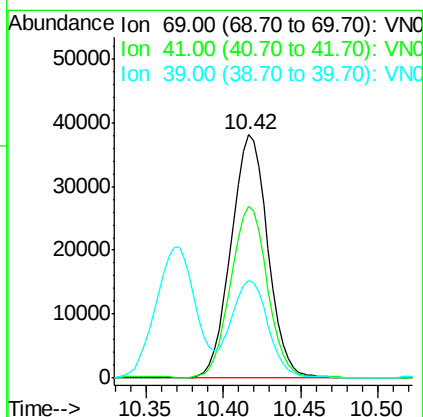
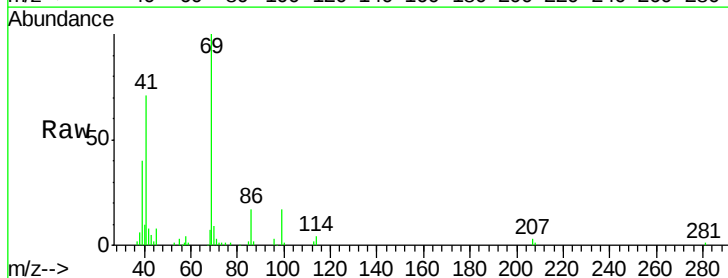
Manual Integrations
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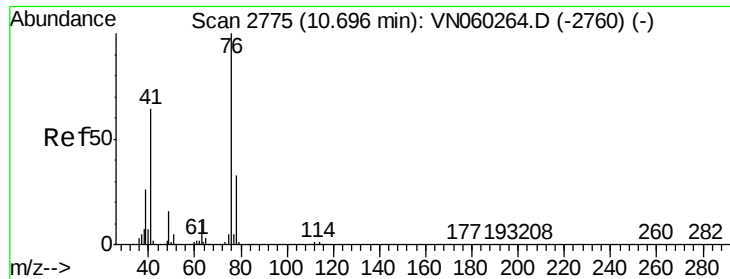
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#56
 Ethyl methacrylate
 Concen: 19.991 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		62767		
41	71.0	54.1	81.1		
39	41.3	32.5	48.7		





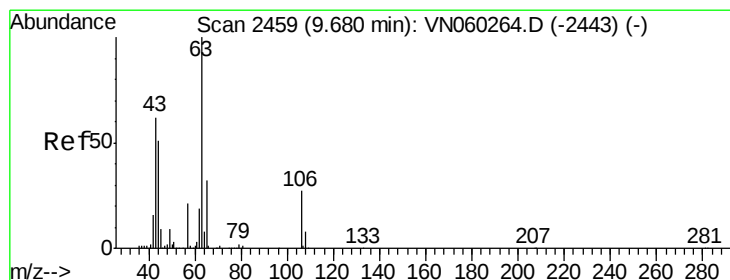
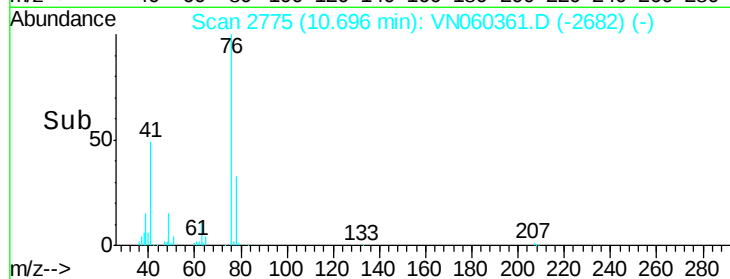
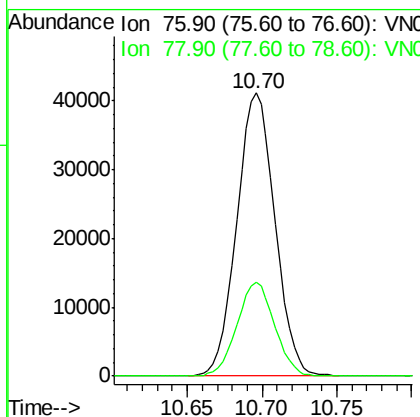
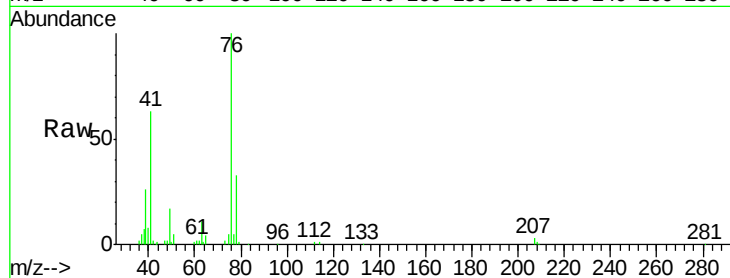
#57
 1,3-Dichloropropane
 Concen: 20.472 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2

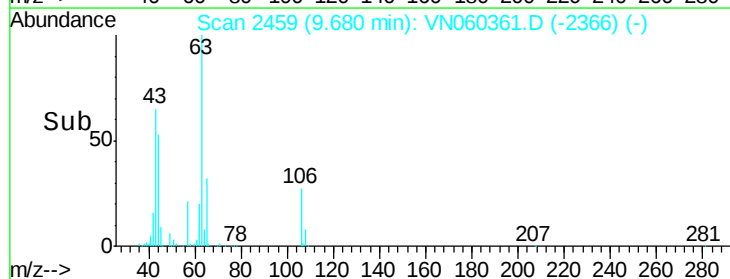
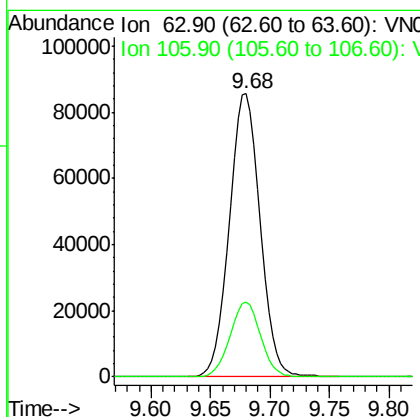
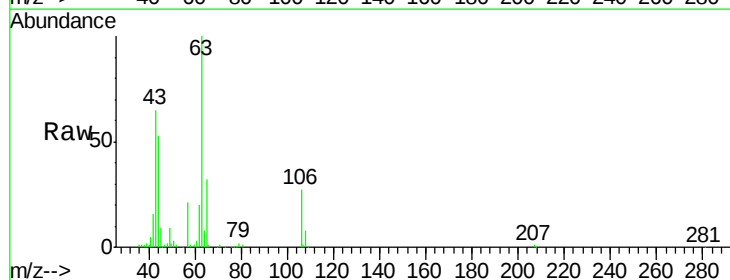
Manual Integrations
 APPROVED

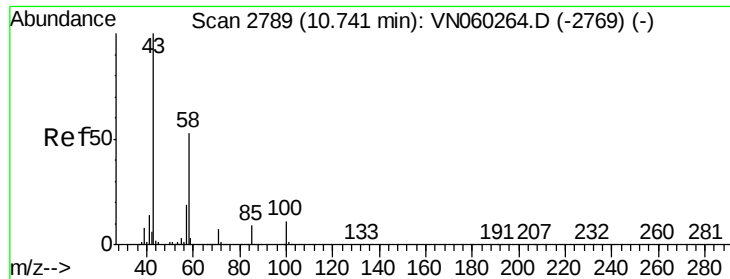
MMDadoda
 3/6/2020 11:18:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.451 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.1	31.7





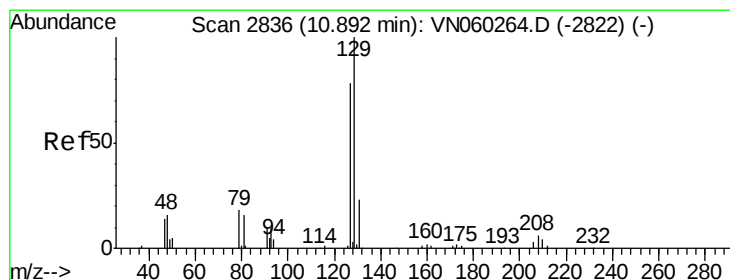
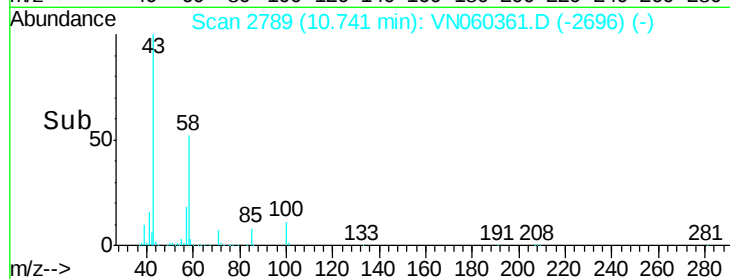
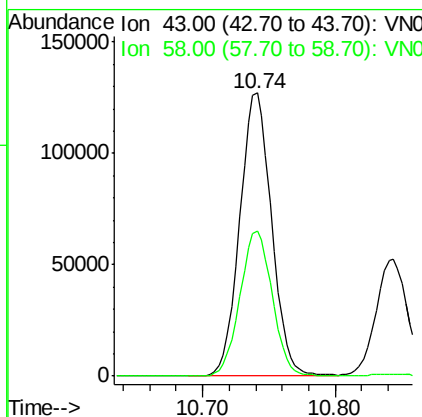
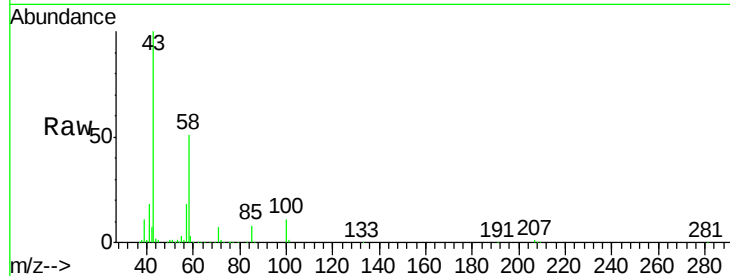
#59
2-Hexanone
Concen: 103.514 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion: 43 Resp: 212332
Ion Ratio Lower Upper
43 100
58 51.9 26.5 79.5

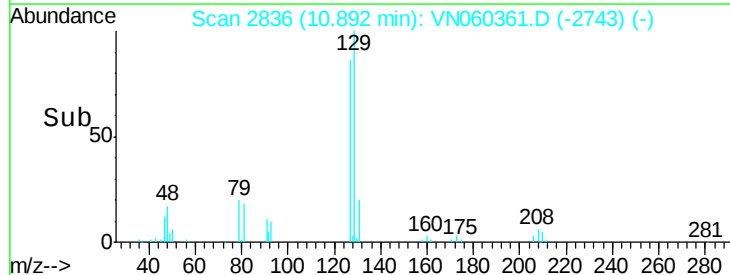
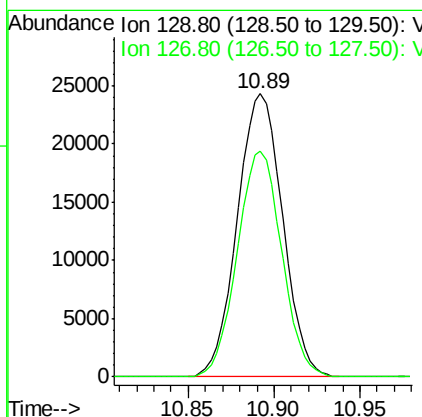
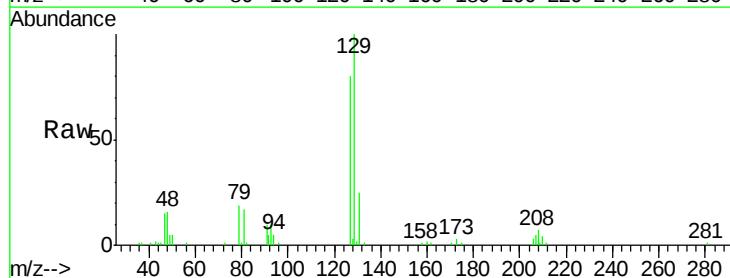
Manual Integrations
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3/6/2020 11:18:15 AM



#60
Dibromochloromethane
Concen: 20.033 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion: 129 Resp: 44524
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





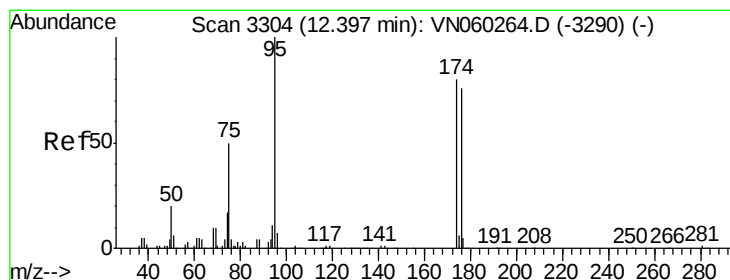
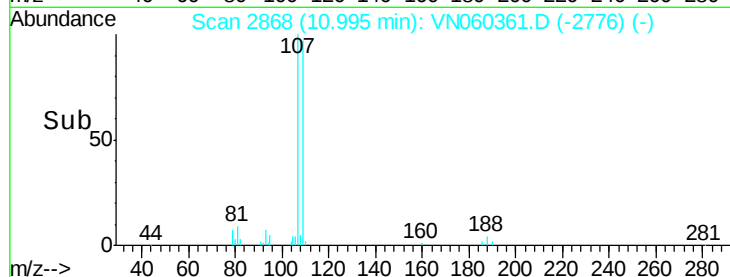
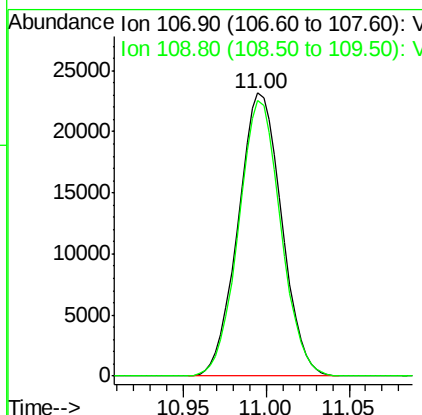
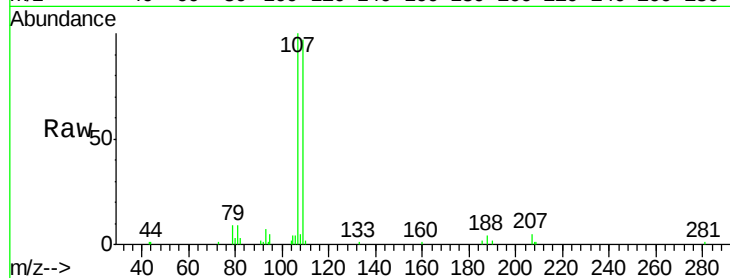
#61
 1,2-Dibromoethane
 Concen: 19.833 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305MBS01

Tot Ion: 107 Resp: 42253
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.8 115.2

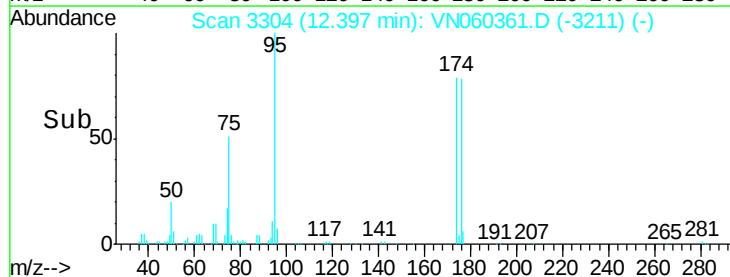
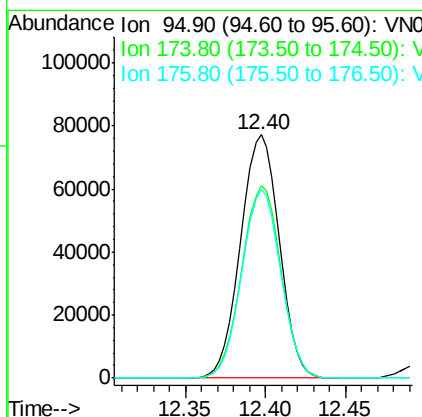
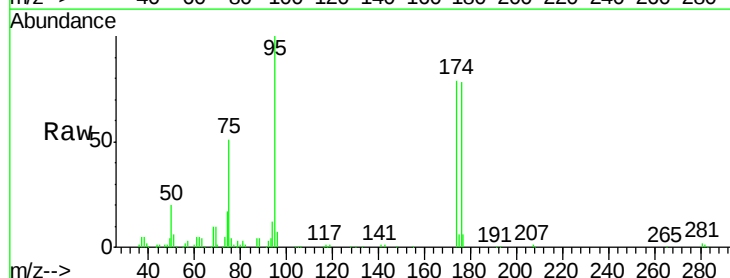
Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:15 AM



#62
 4-Bromofluorobenzene
 Concen: 45.914 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion: 95 Resp: 127526
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 159.2
 176 78.2 0.0 153.8





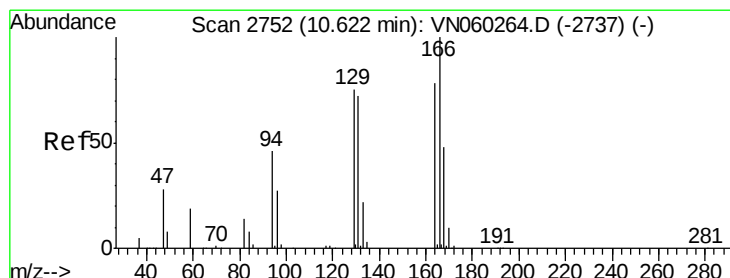
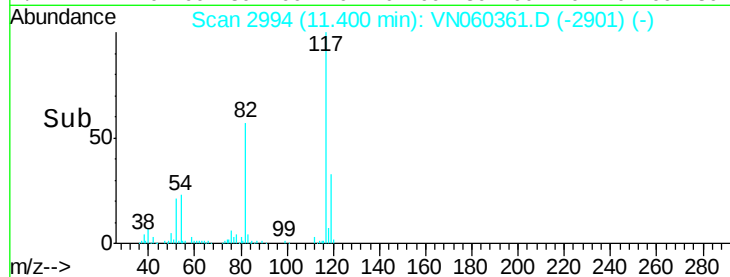
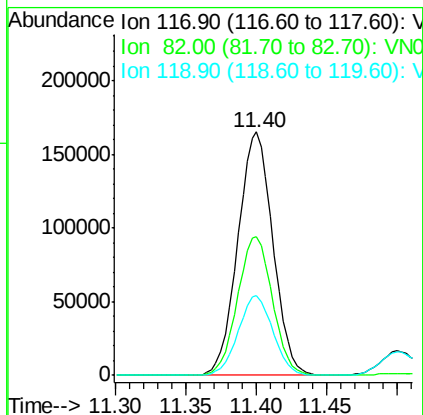
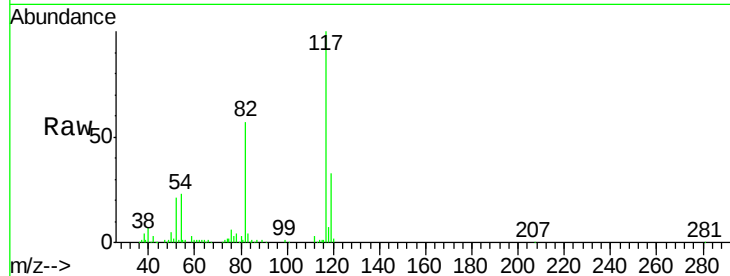
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287176		
82	56.9		45.8	68.6
119	32.5		25.8	38.8

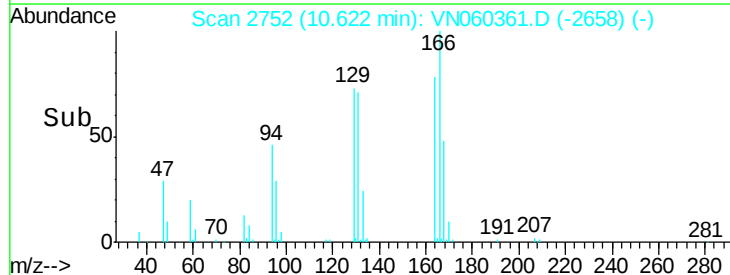
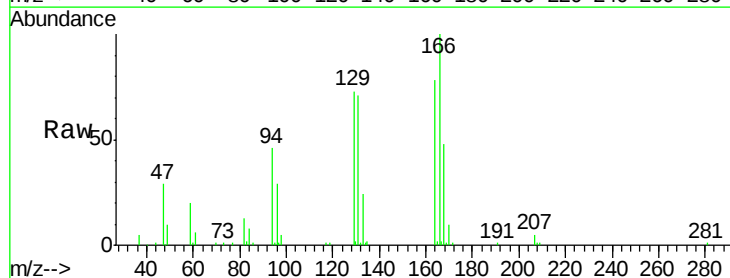
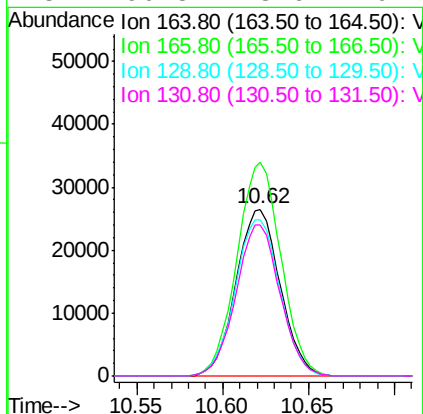
Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:15 AM



#64
Tetrachloroethene
Concen: 20.021 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47187		
166	128.1		102.0	153.0
129	93.5		76.4	114.6
131	90.8		73.6	110.4





#65

Chlorobenzene

Concen: 18.802 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion:112 Resp: 109027

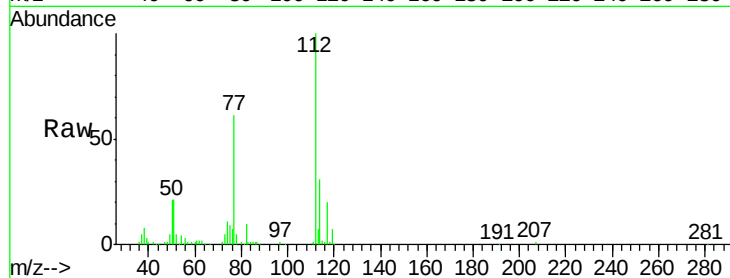
Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.0

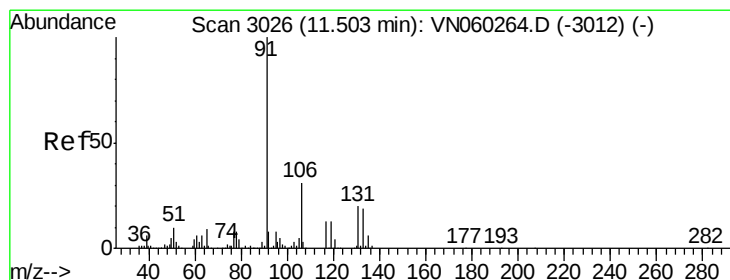
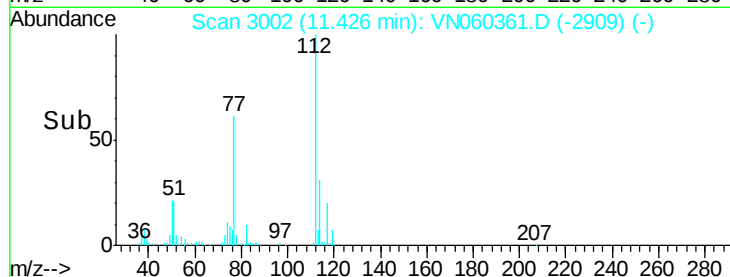
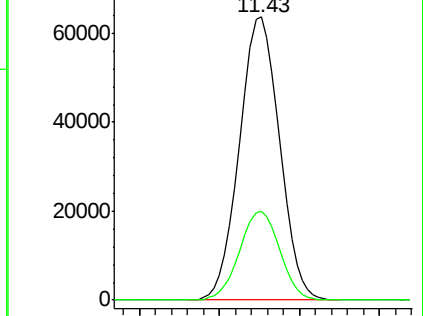
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.662 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

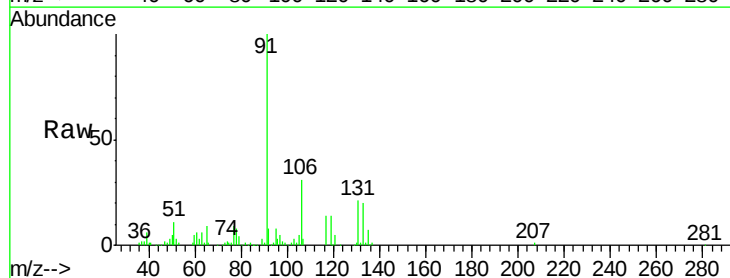
Tgt Ion:131 Resp: 42158

Ion Ratio Lower Upper

131 100

133 98.2 47.7 143.1

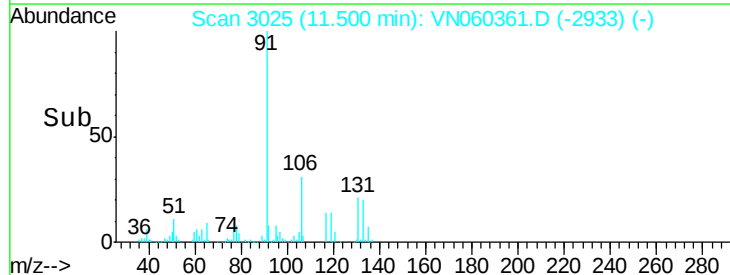
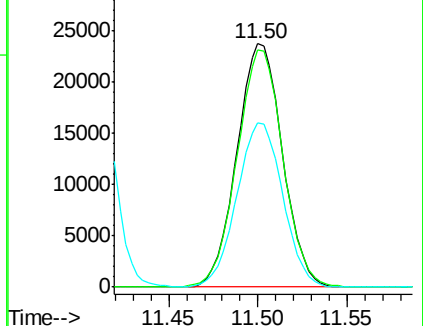
119 68.2 33.2 99.6



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





#67

Ethyl Benzene

Concen: 19.139 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0305MBS01

Tot Ion: 91 Resp: 202110

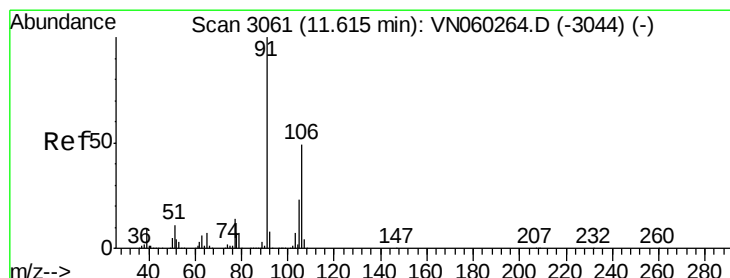
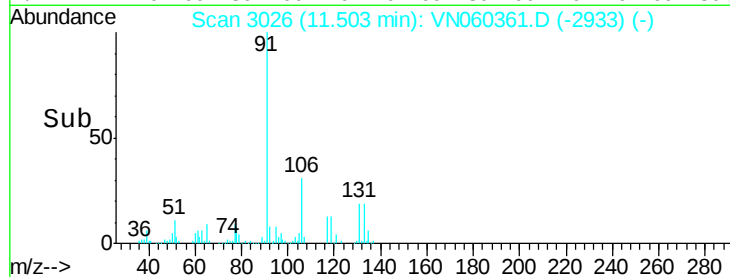
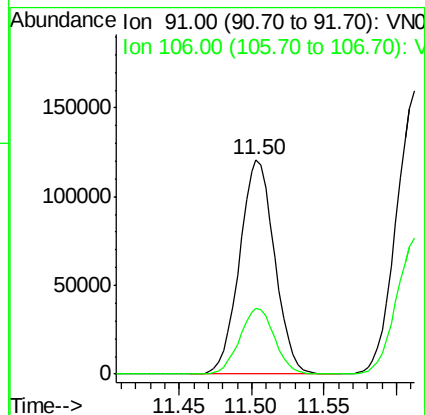
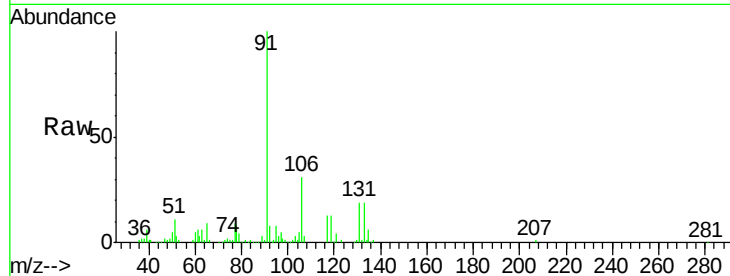
Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1

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#68

m/p-Xylenes

Concen: 37.158 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060361.D

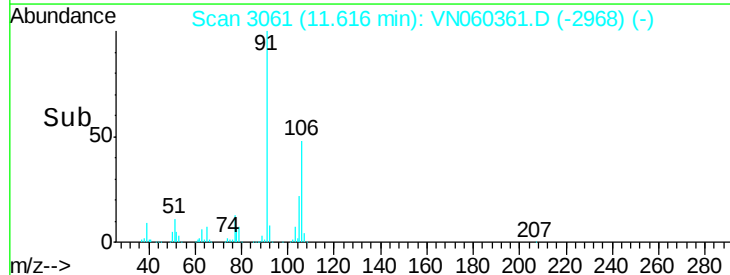
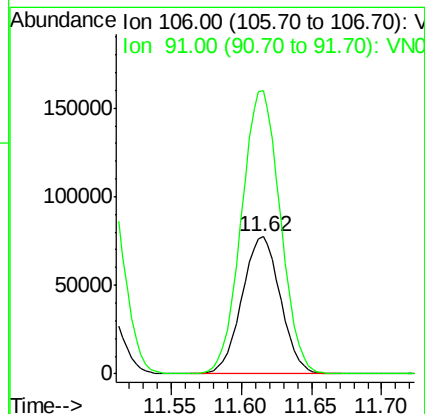
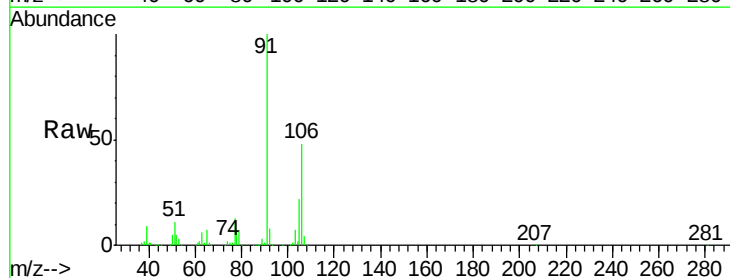
Acq: 5 Mar 2020 12:59

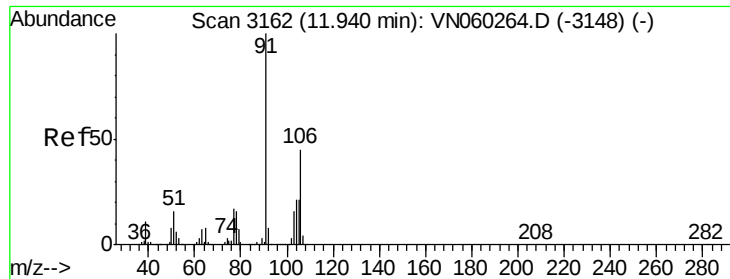
Tgt Ion: 106 Resp: 148048

Ion Ratio Lower Upper

106 100

91 208.1 164.5 246.7





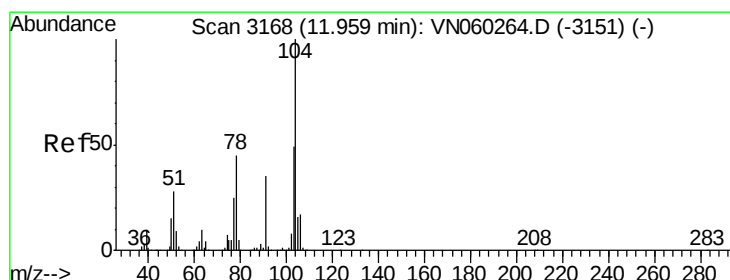
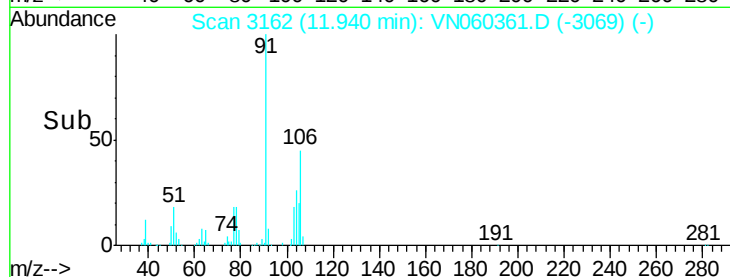
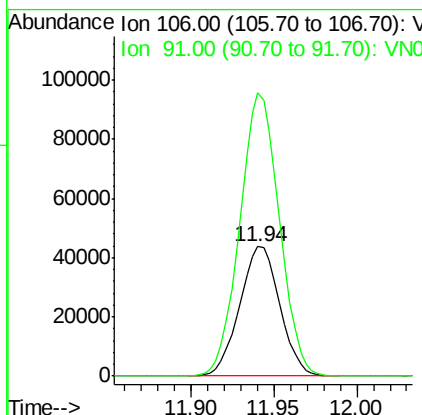
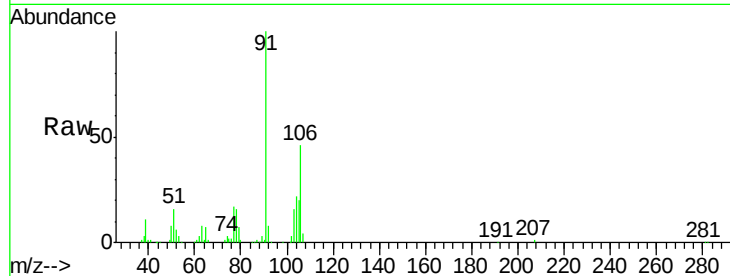
#69
o-Xylene
Concen: 19.406 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion:106 Resp: 73731
Ion Ratio Lower Upper
106 100
91 215.2 109.5 328.4

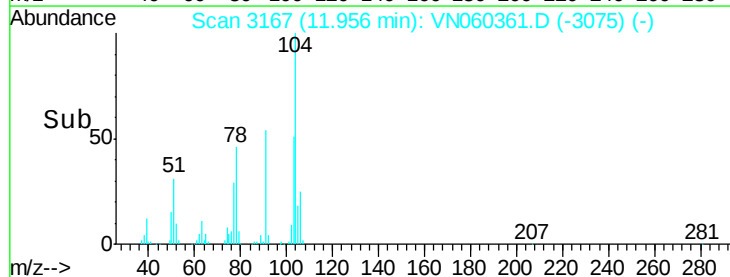
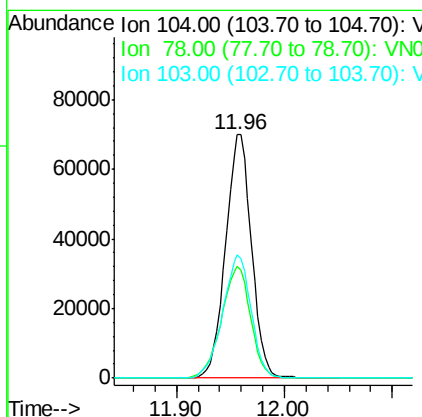
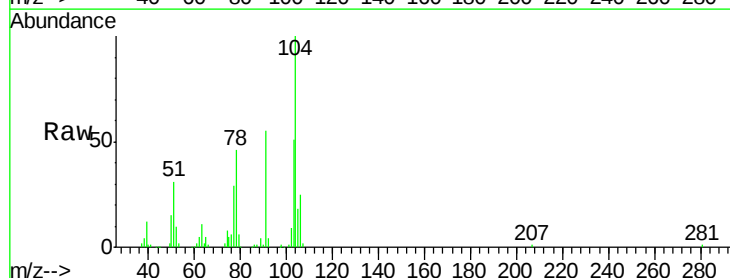
Manual Integrations
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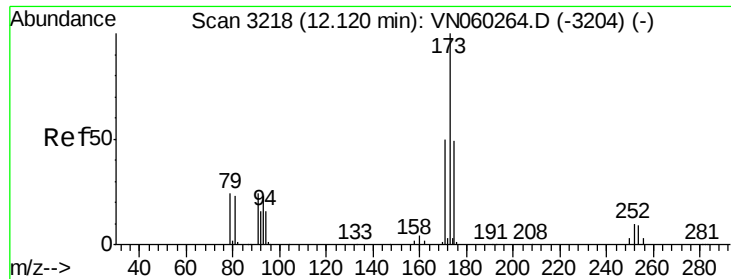
MMDadoda
3/6/2020 11:18:15 AM



#70
Styrene
Concen: 18.804 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion:104 Resp: 117458
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 20.204 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

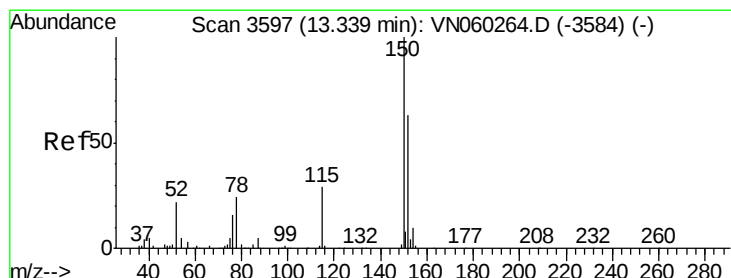
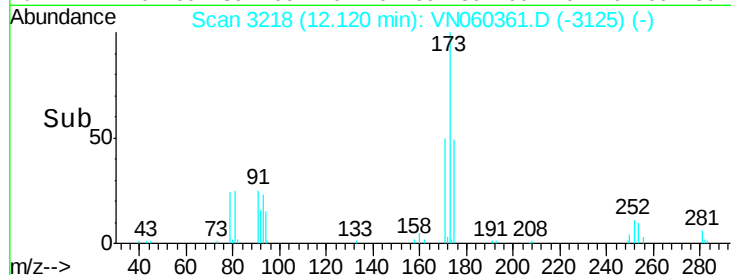
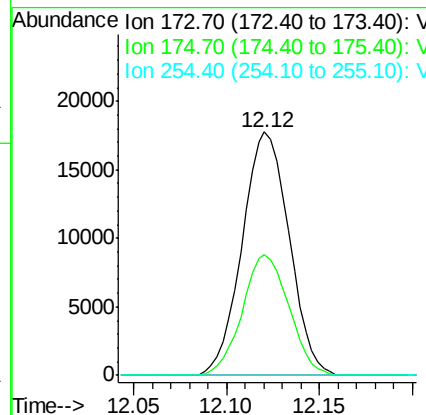
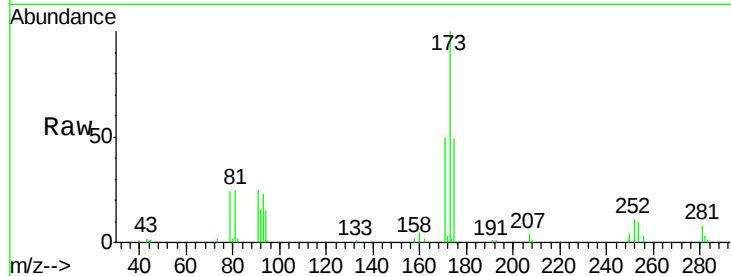
ClientSampleId :

VN0305MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

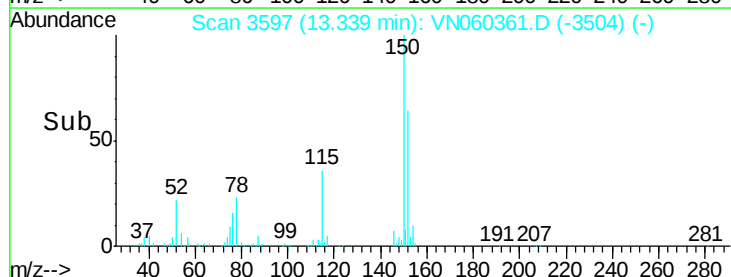
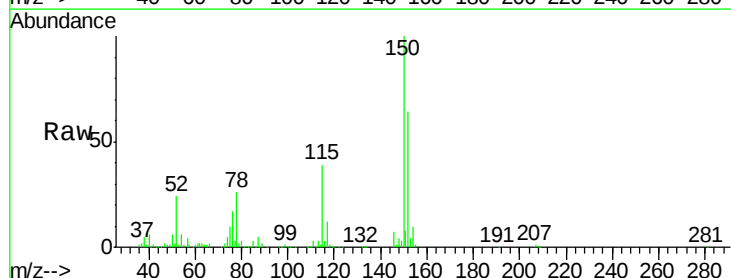
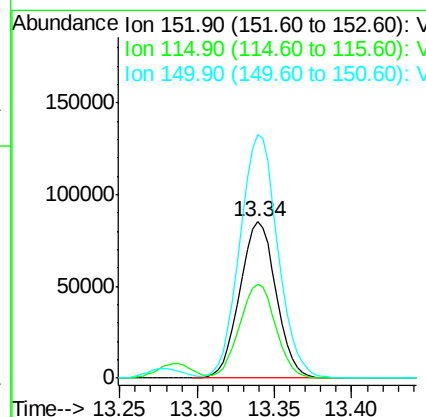
RT: 13.34 min Scan# 3597

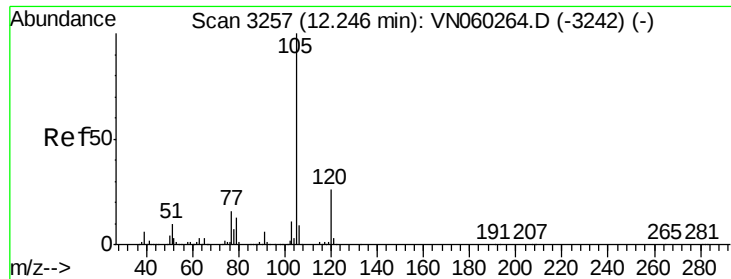
Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.0	90.0
150	162.8	0.0	349.6





#73

Isopropylbenzene

Concen: 18.974 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0305MBS01

Tot Ion: 105 Resp: 195292

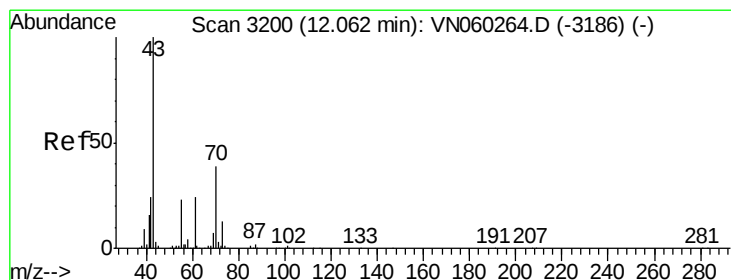
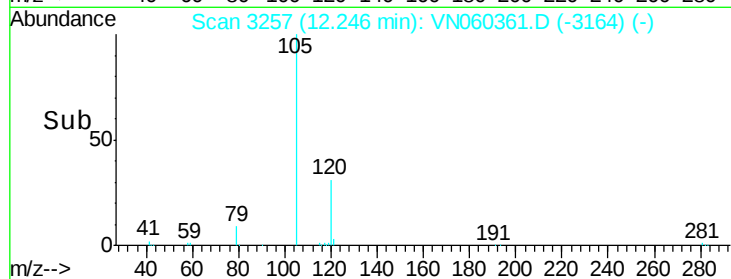
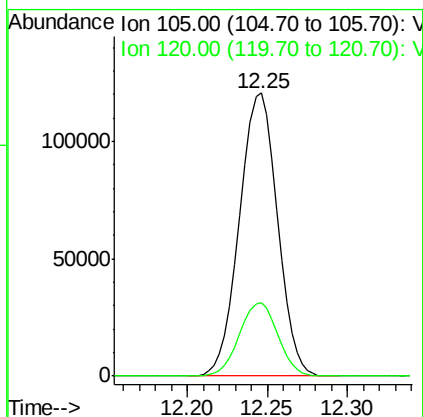
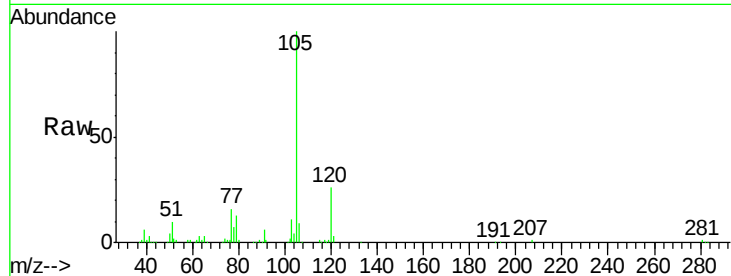
Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9

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#74

N-ethyl acetate

Concen: 19.509 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion: 43 Resp: 87745

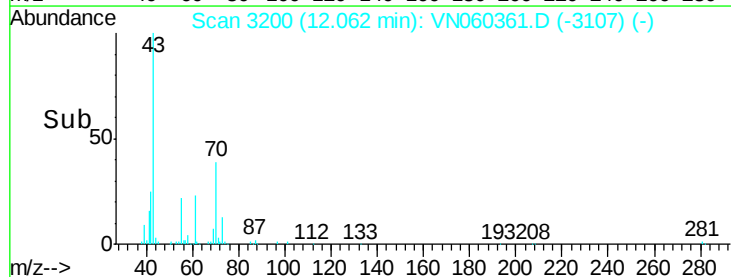
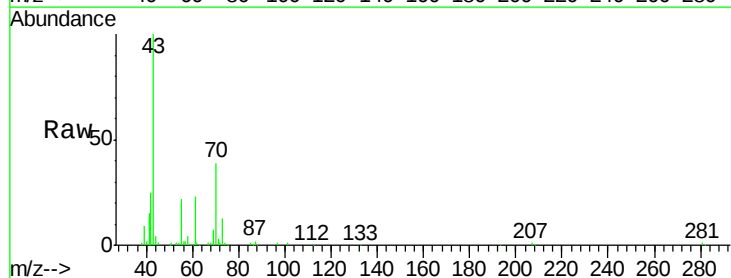
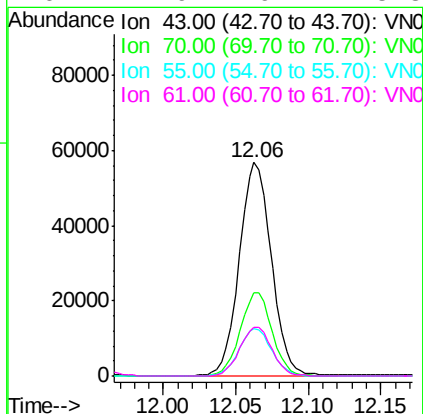
Ion Ratio Lower Upper

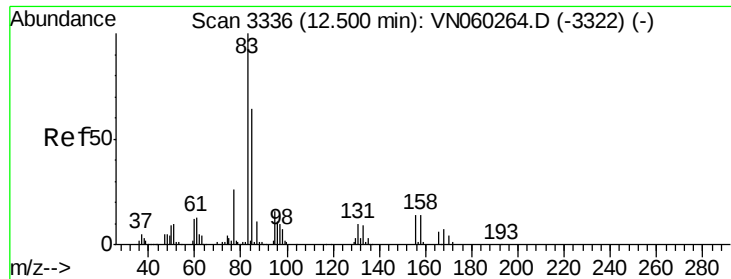
43 100

70 38.4 32.2 48.2

55 22.6 18.2 27.4

61 22.9 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.663 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

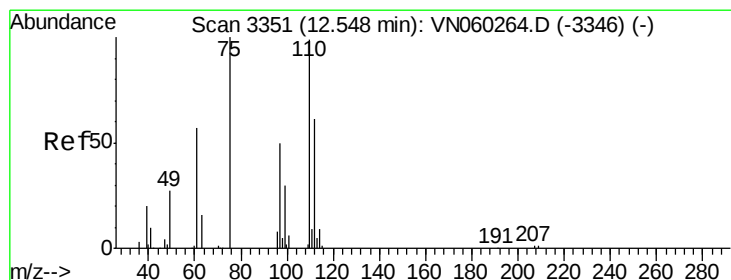
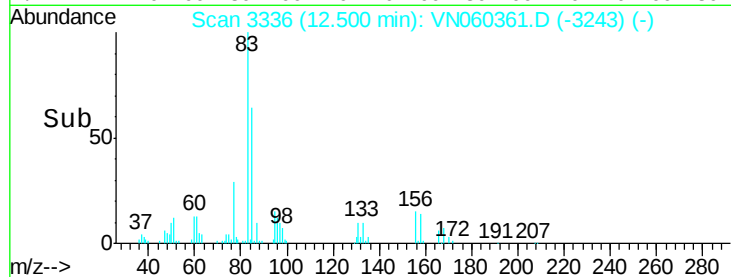
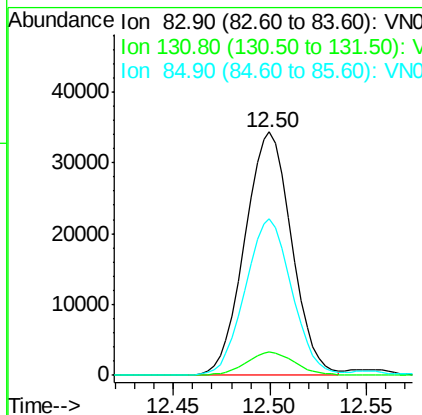
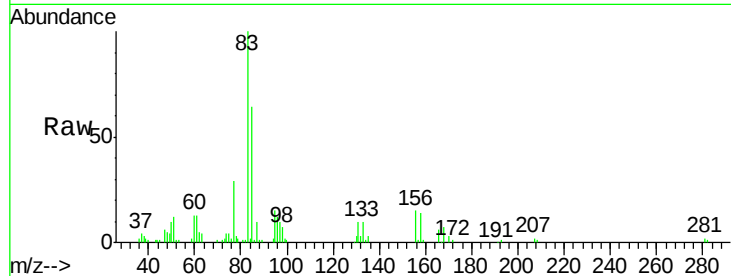
ClientSampled :

VN0305MBS01

Tot Ion:	83	Resp:	57811
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	64.1	32.3	96.8

Manual Integrations
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3/6/2020 11:18:15 AM



#76

1,2,3-Trichloropropane

Concen: 17.995 ug/l m

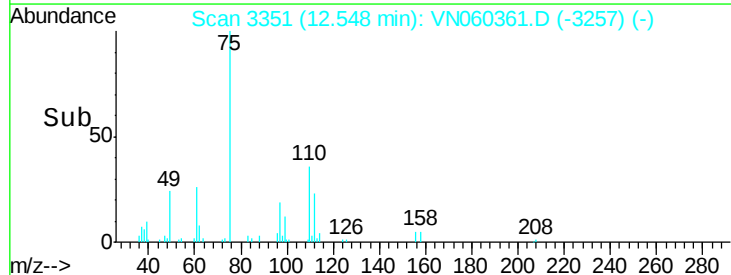
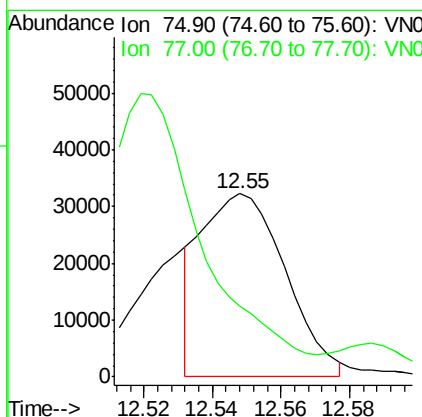
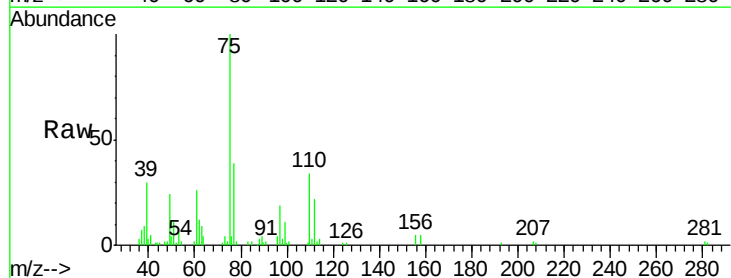
RT: 12.55 min Scan# 3351

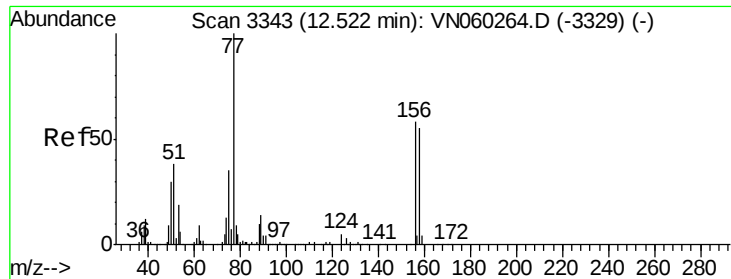
Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion:	75	Resp:	54828
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.090 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

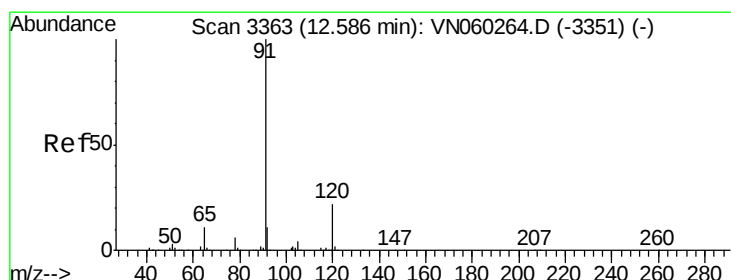
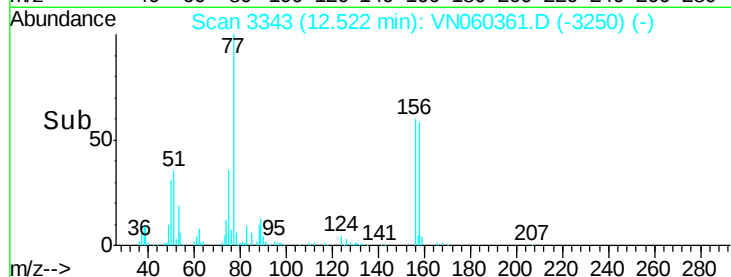
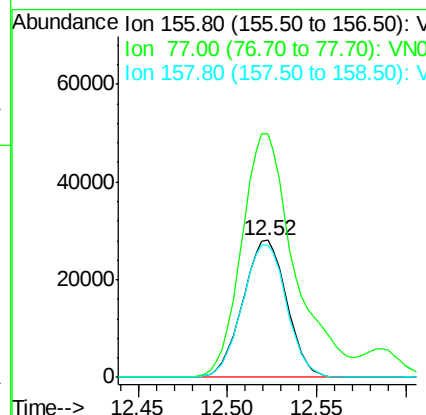
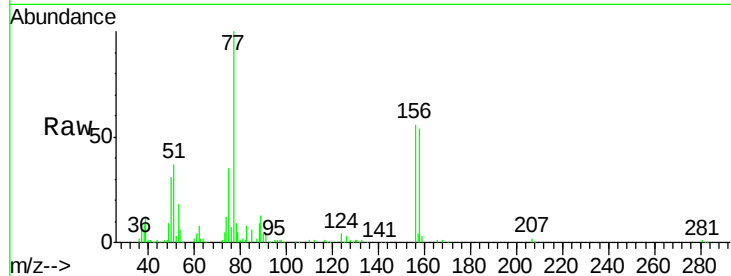
ClientSampleId :

VN0305MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.1	106.1	318.3
158	97.4	48.3	144.8

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#78

n-propylbenzene

Concen: 18.799 ug/l

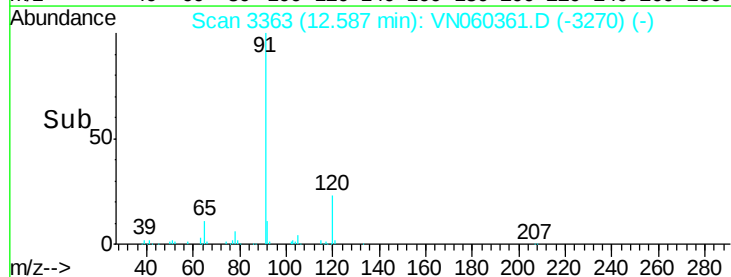
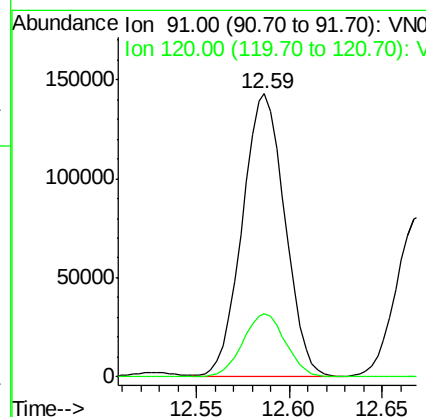
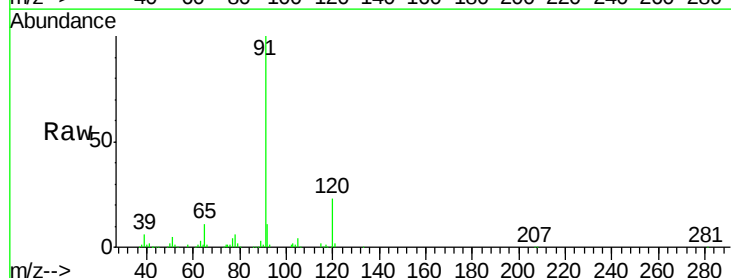
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





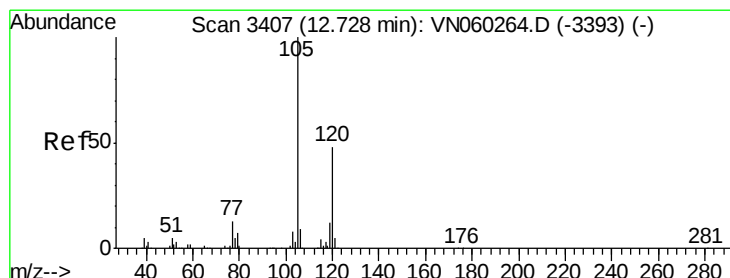
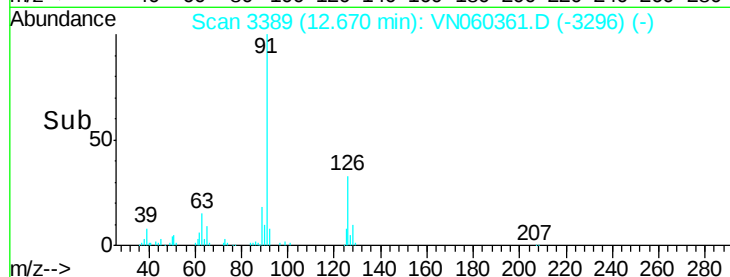
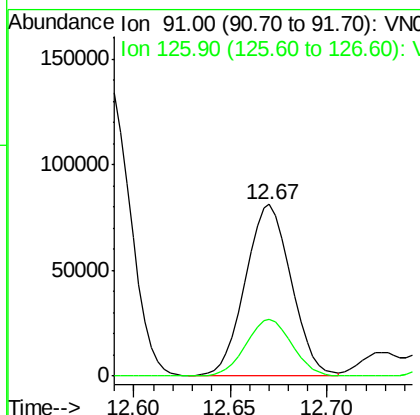
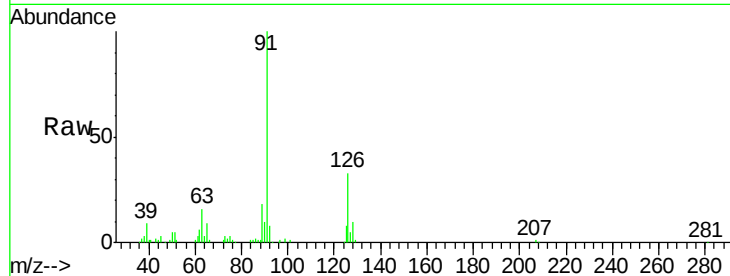
#79
2-Chlorotoluene
Concen: 18.854 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	91	Resp	133710
Ion Ratio	100	Lower	Upper
126	33.3	16.6	49.8

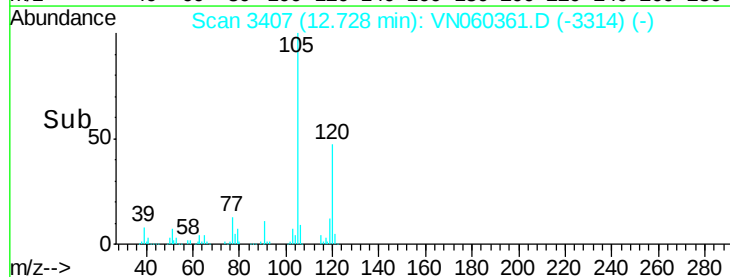
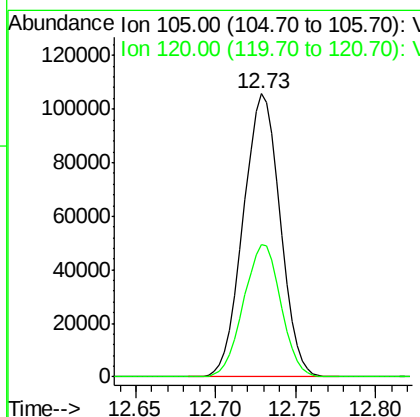
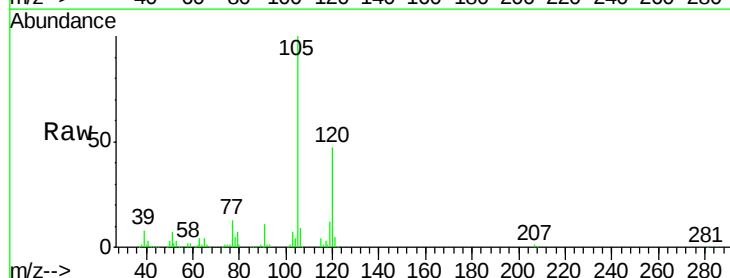
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#80
1,3,5-Trimethylbenzene
Concen: 19.264 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	105	Resp	166941
Ion Ratio	100	Lower	Upper
120	47.3	24.1	72.4





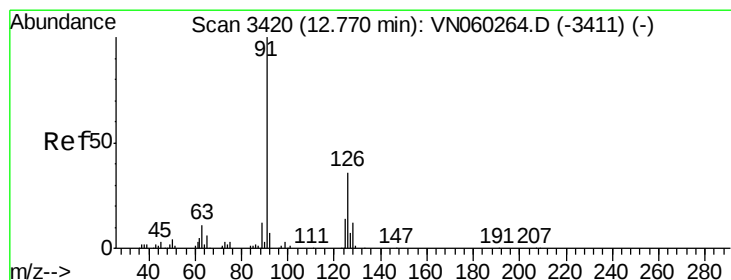
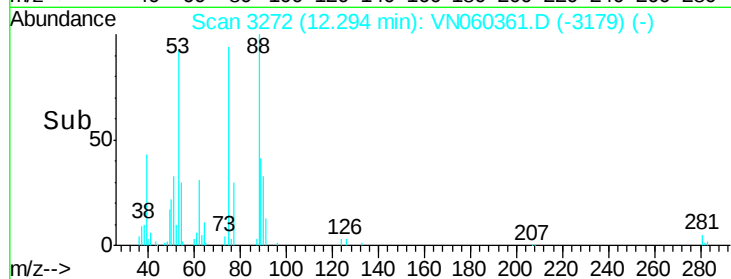
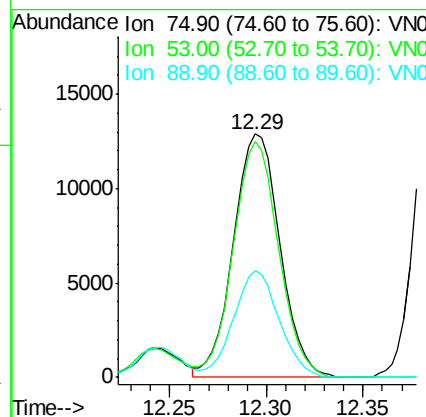
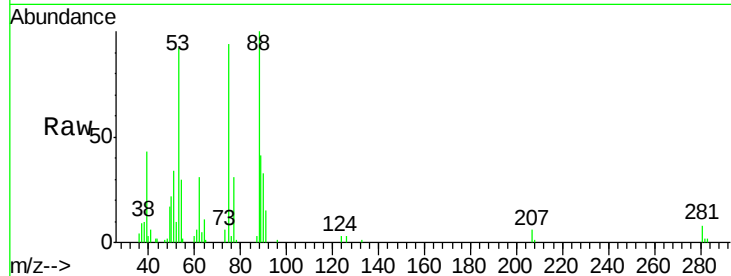
#81
trans-1,4-Dichloro-2-butene
Concen: 19.555 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	73.8	110.6
89	43.0	57.1	85.7#

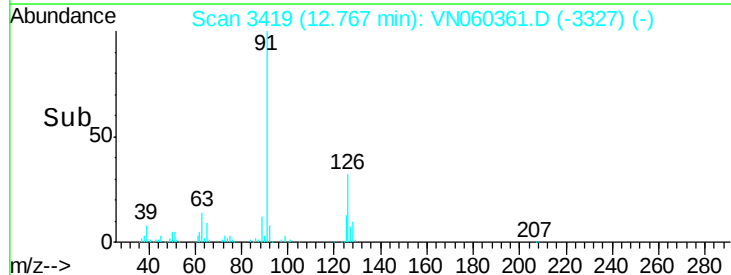
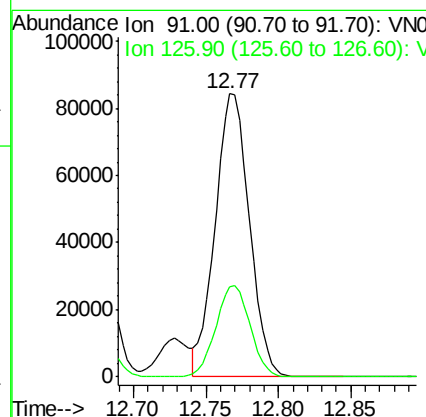
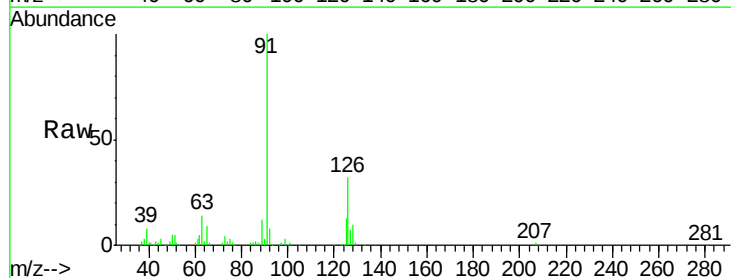
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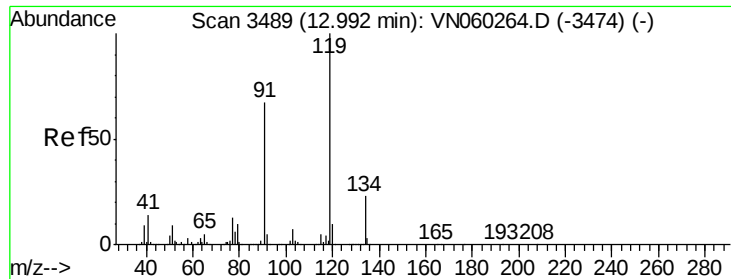
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#82
4-Chlorotoluene
Concen: 18.601 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





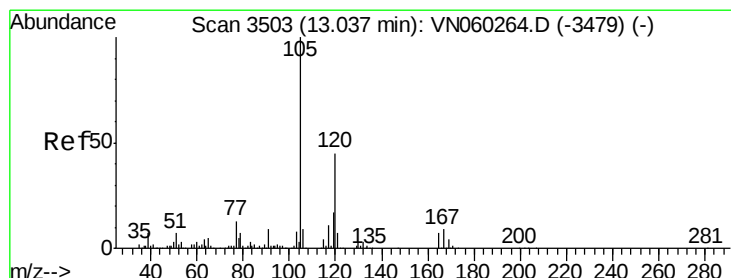
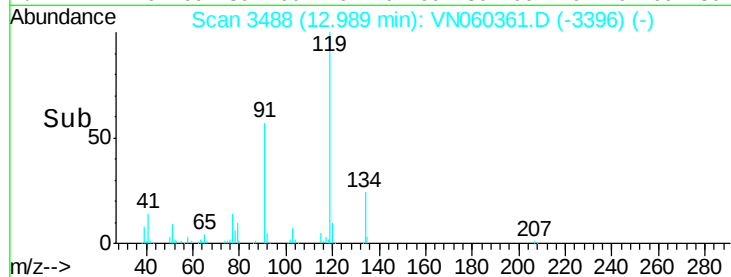
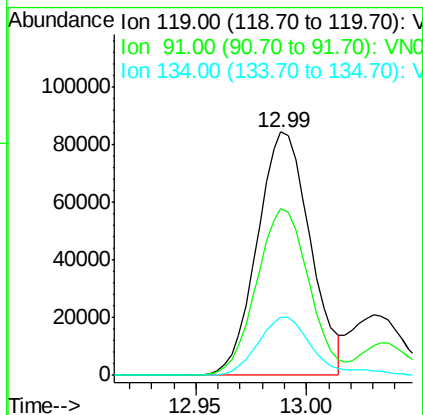
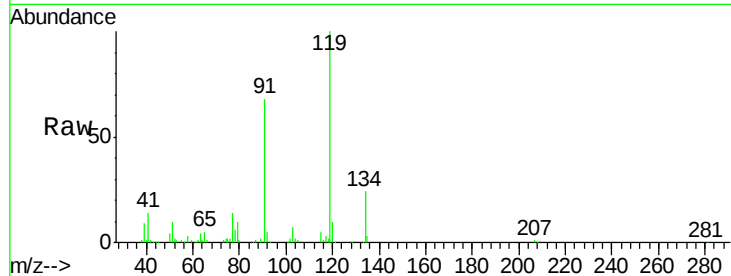
#83
tert-Butylbenzene
Concen: 18.655 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.1	99.2
134	25.0	12.4	37.0

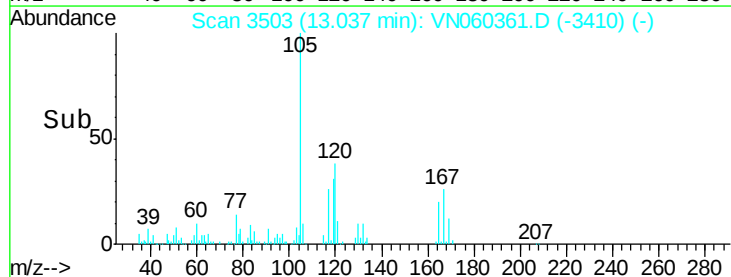
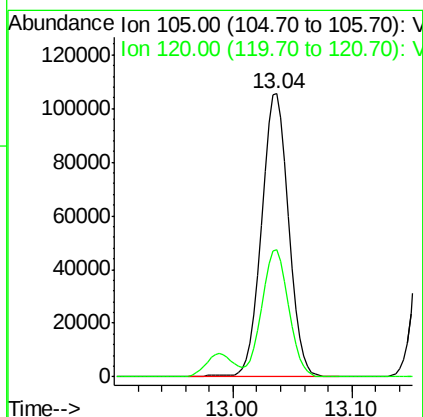
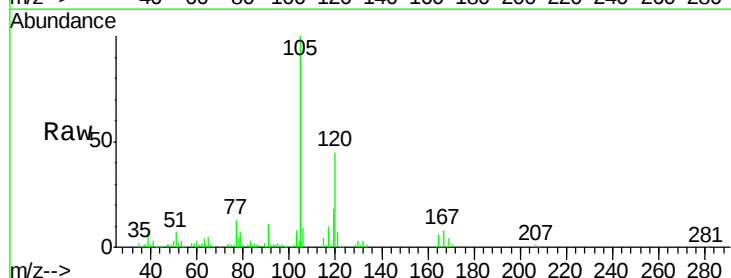
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#84
1,2,4-Trimethylbenzene
Concen: 18.996 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 18.873 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Instrument :

MSVOA_N

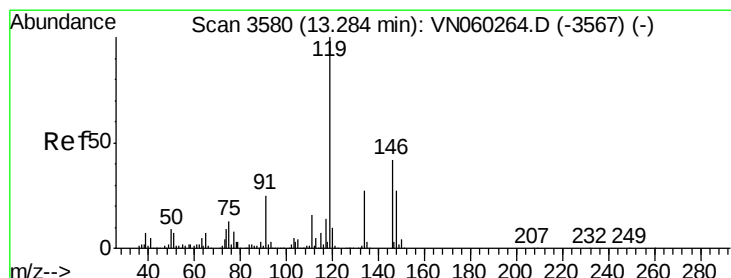
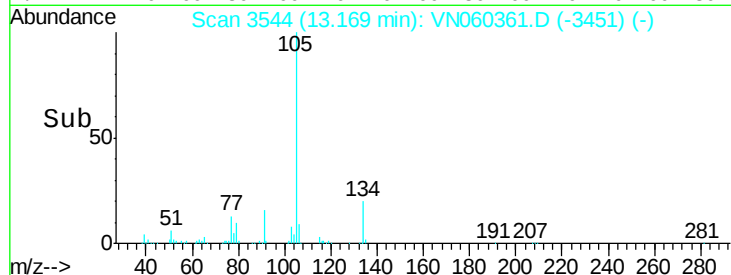
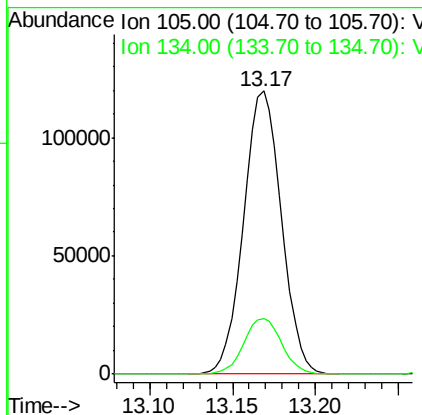
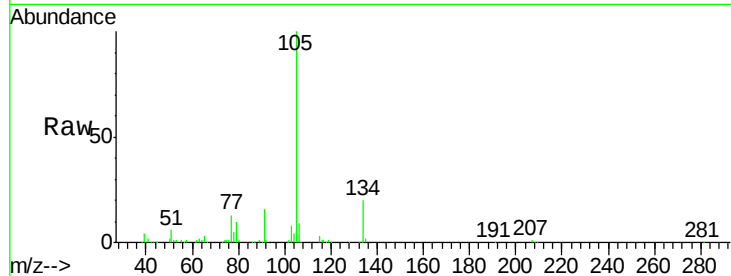
ClientSampled :

VN0305MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	189627		
134	19.7	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 18.412 ug/l

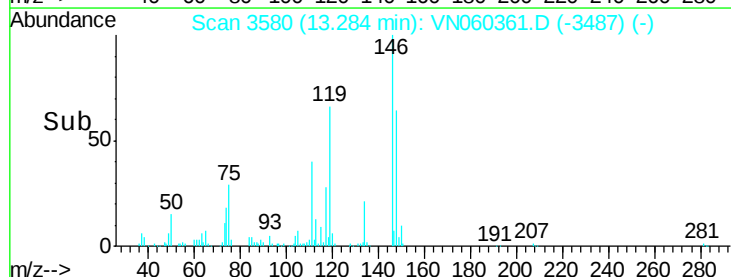
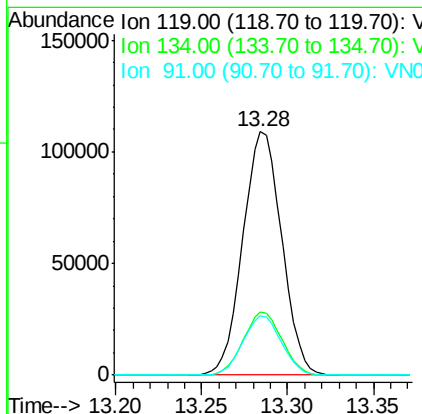
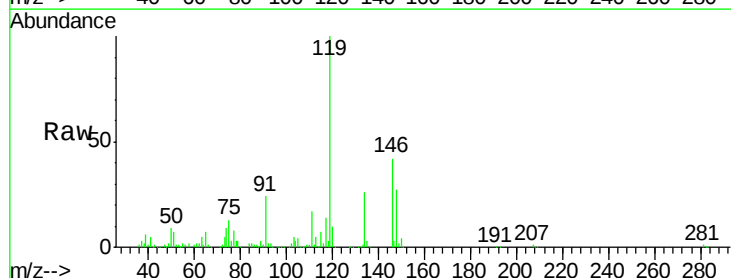
RT: 13.28 min Scan# 3580

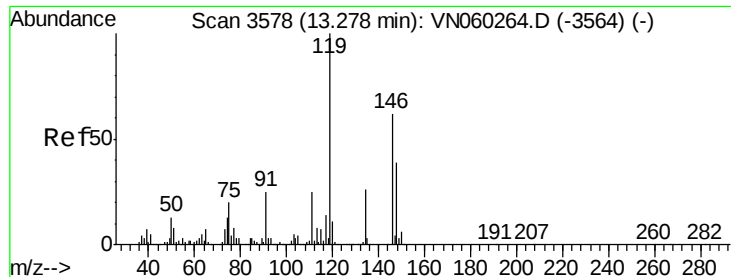
Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171218		
134	25.9	13.2	39.6	
91	24.3	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 19.606 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060361.D

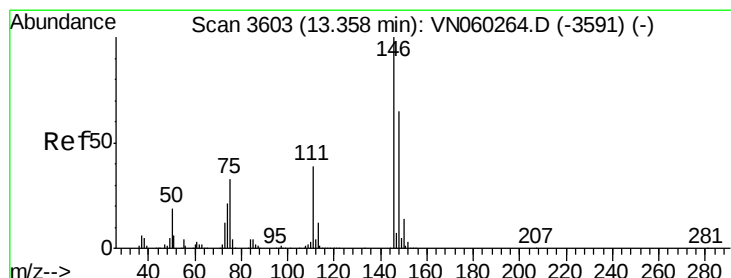
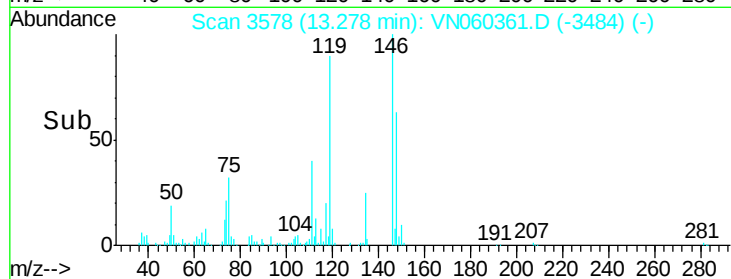
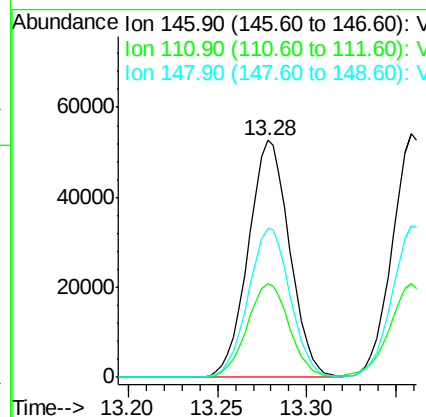
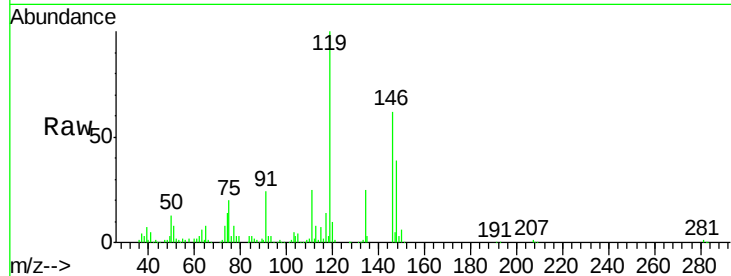
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 19.765 ug/l

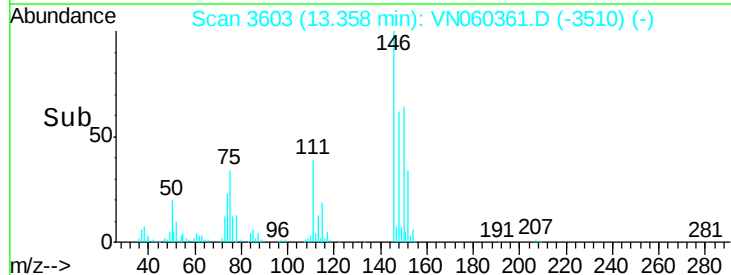
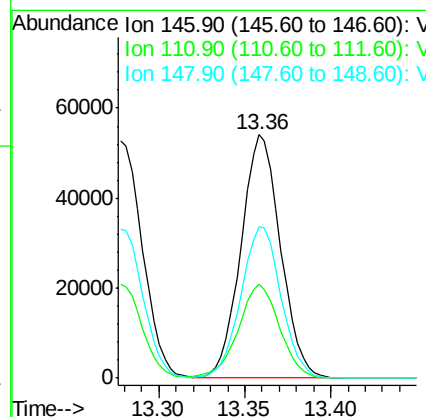
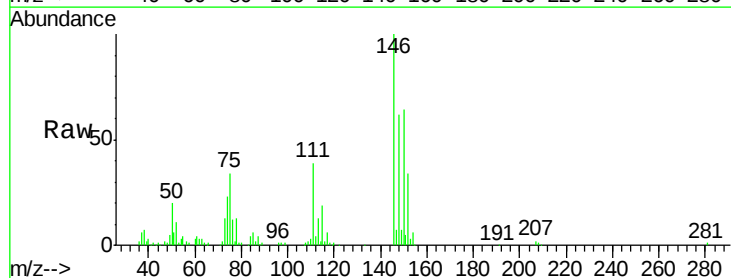
RT: 13.36 min Scan# 3603

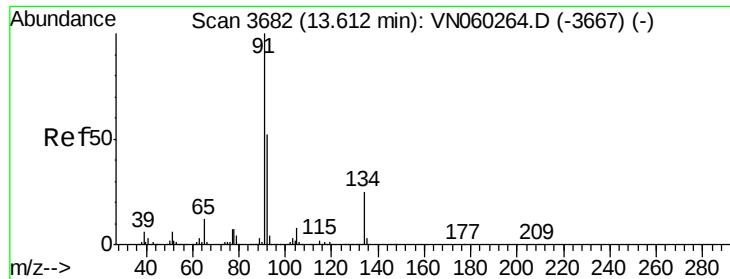
Delta R.T. 0.00 min

Lab File: VN060361.D

Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.4
148	63.3	32.3	96.9





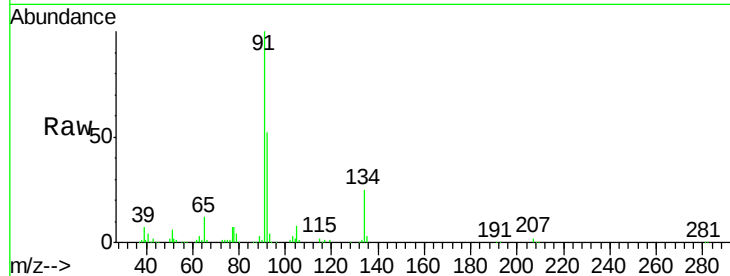
#89
n-Butylbenzene
Concen: 18.329 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0305MBS01

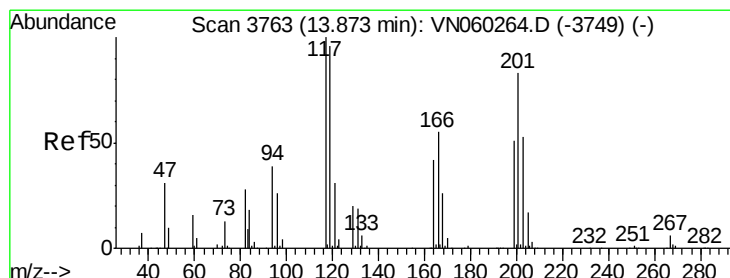
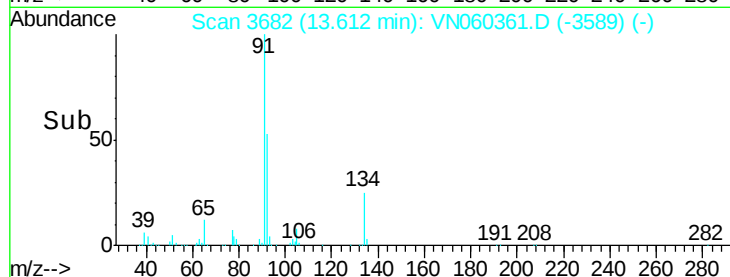
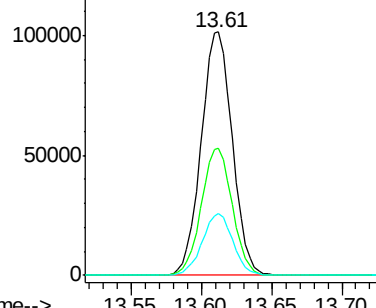
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.0	12.7	38.1

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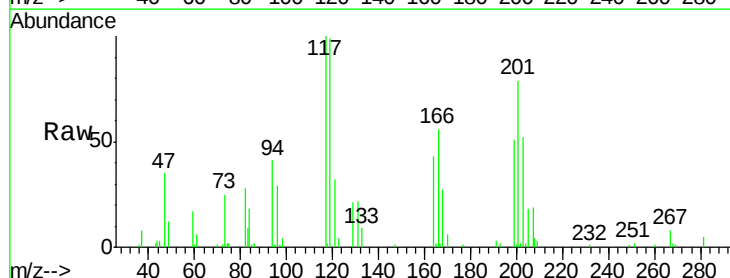


Abundance Ion 91.00 (90.70 to 91.70): VN060361.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN060361.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN060361.D (-3667) (-)

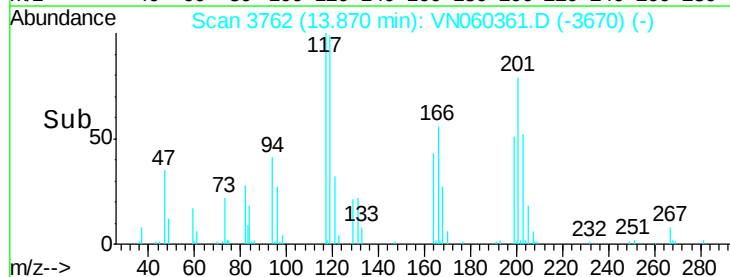
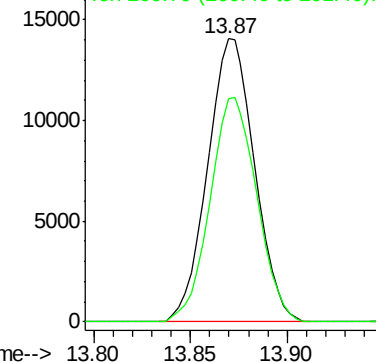


#90
Hexachloroethane
Concen: 17.622 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	41.0	123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060361.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN060361.D (-3749) (-)





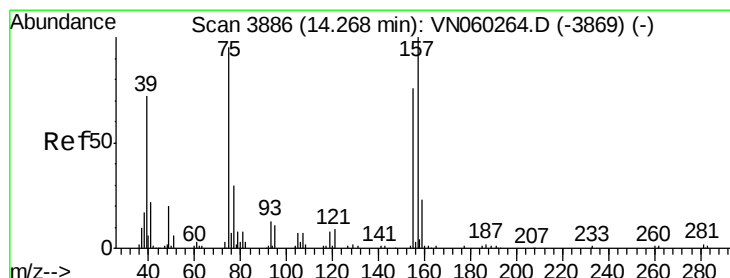
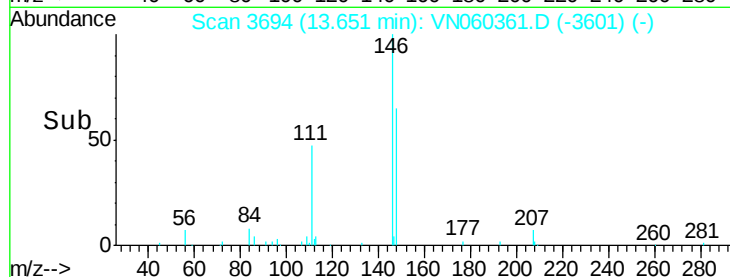
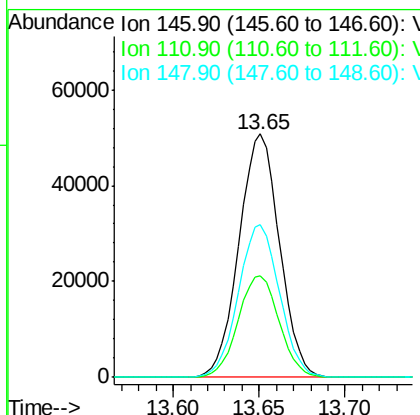
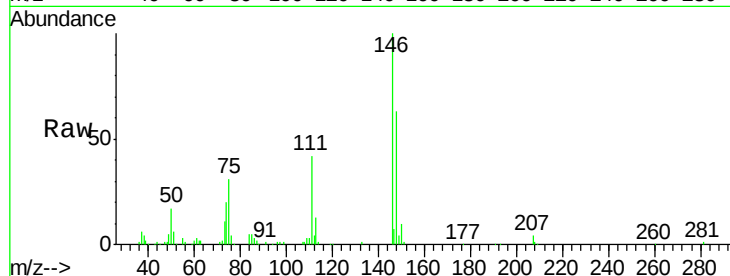
#91
 1,2-Dichlorobenzene
 Concen: 18.853 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	63.4	31.8	95.3

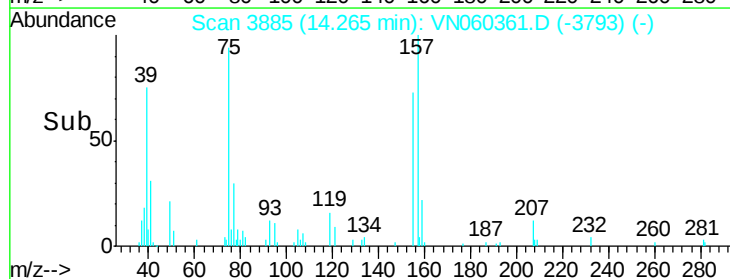
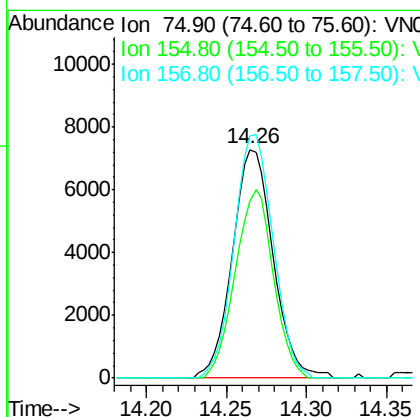
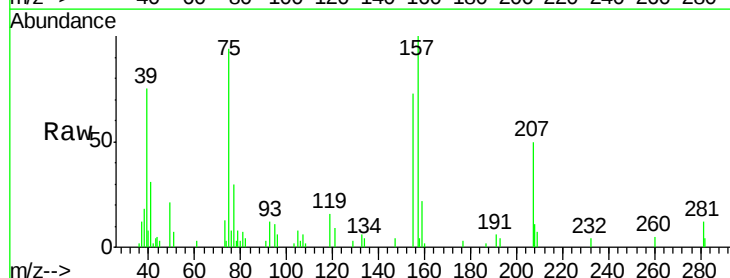
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.952 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	40.4	121.2
157	102.2	52.5	157.5





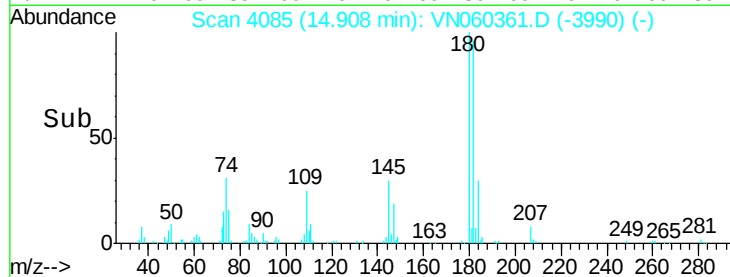
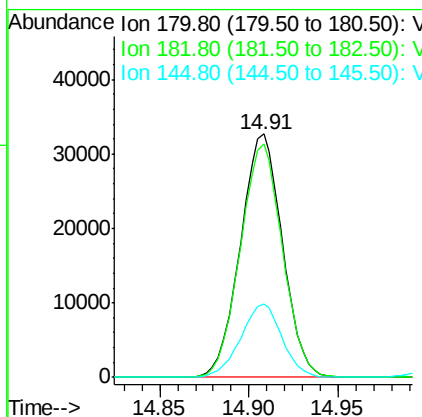
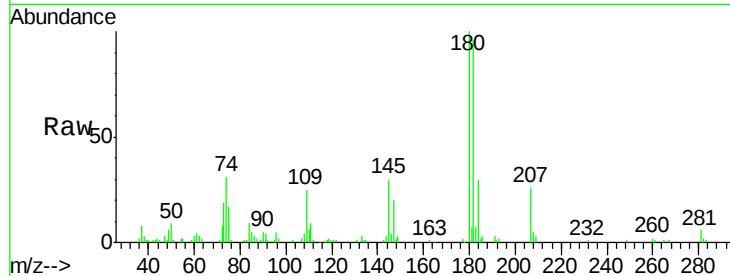
#93
 1,2,4-Trichlorobenzene
 Concen: 19.190 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53755		
182	96.4	47.8	143.3	
145	29.7	15.4	46.1	

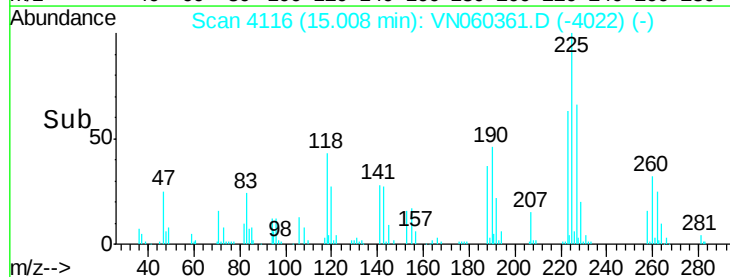
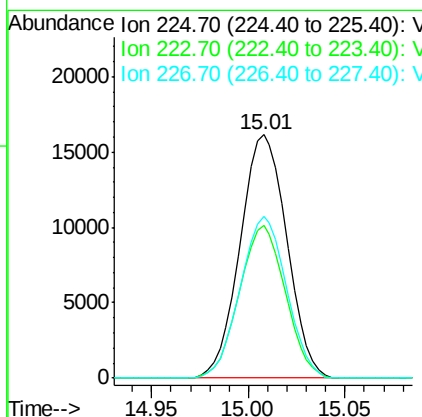
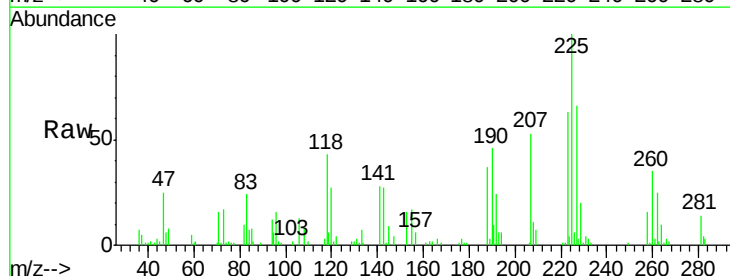
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.699 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060361.D
 Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27161		
223	61.9	31.3	93.9	
227	65.7	32.3	96.9	





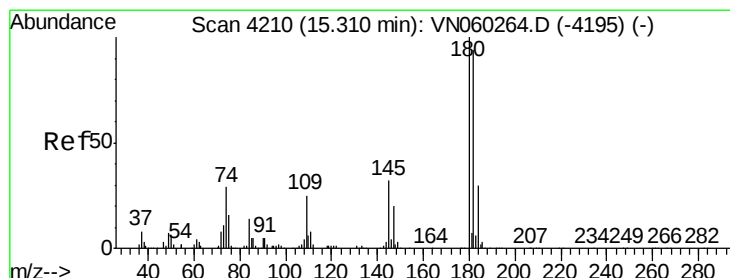
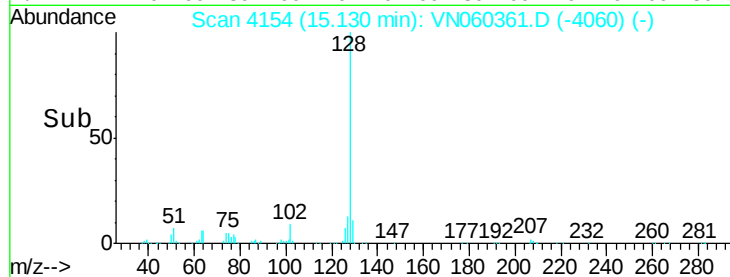
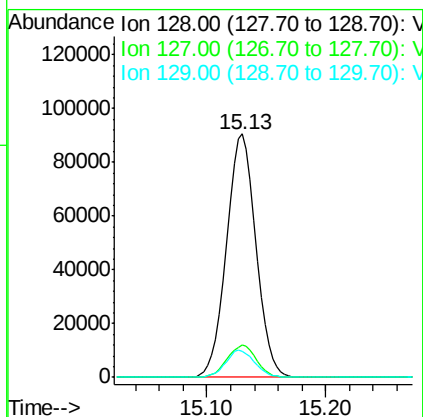
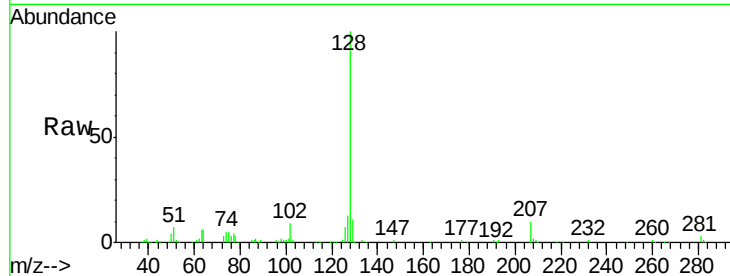
#95
Naphthalene
Concen: 18.581 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:18:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.516 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060361.D
Acq: 5 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	31.6	16.2	48.5

