

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060367.D
 Acq On : 5 Mar 2020 15:39
 Operator : JC/MD
 Sample : VN0305MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Manual Integrations
 APPROVED

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

Quant Time: Mar 06 01:26:50 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	183153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	121885	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.56	113	84309	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
50) Toluene-d8	10.08	98	341599	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	127996	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27555	16.409	ug/l	100
3) Chloromethane	2.04	50	49360	16.883	ug/l	96
4) Vinyl Chloride	2.16	62	41275	16.462	ug/l	98
5) Bromomethane	2.55	94	15189	13.285	ug/l	96
6) Chloroethane	2.69	64	22258	16.384	ug/l	99
7) Trichlorofluoromethane	3.00	101	53476	16.693	ug/l	98
8) Diethyl Ether	3.38	74	22137	18.302	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31144	17.178	ug/l	99
10) Methyl Iodide	3.93	142	27233	16.459	ug/l	99
11) Tert butyl alcohol	4.72	59	19262	55.204	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	30894	17.507	ug/l	97
13) Acrolein	3.58	56	29661	91.120	ug/l	99
14) Allyl chloride	4.29	41	57397	17.691	ug/l	98
15) Acrylonitrile	4.94	53	89462	97.273	ug/l	100
16) Acetone	3.78	43	66910	88.173	ug/l	98
17) Carbon Disulfide	4.03	76	78003	16.229	ug/l	98
18) Methyl Acetate	4.28	43	46473	18.351	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	123891	19.393	ug/l	98
20) Methylene Chloride	4.52	84	36999	17.754	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	33662	17.529	ug/l	96
22) Diisopropyl ether	5.91	45	126950	19.318	ug/l	97
23) Vinyl Acetate	5.86	43	511588	97.967	ug/l	100
24) 1,1-Dichloroethane	5.82	63	68799	18.494	ug/l	98
25) 2-Butanone	6.80	43	112886	92.098	ug/l	99
26) 2,2-Dichloropropane	6.80	77	59854	17.674	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42167	17.449	ug/l	100
28) Bromochloromethane	7.17	49	30336	19.862	ug/l	95
29) Tetrahydrofuran	7.18	42	78914	92.585	ug/l	100
30) Chloroform	7.35	83	69612	18.798	ug/l	98
31) Cyclohexane	7.63	56	59448	17.865	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	59622	18.172	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49397	17.167	ug/l	100
37) Ethyl Acetate	6.90	43	53220	19.534	ug/l	99
38) Carbon Tetrachloride	7.75	117	48245	17.221	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	53051	15.637	ug/l	96
40) Benzene	8.02	78	150470	17.967	ug/l	99
41) Methacrylonitrile	7.15	41	25176m	20.013	ug/l	
42) 1,2-Dichloroethane	8.10	62	58518	19.363	ug/l	100
43) Isopropyl Acetate	8.14	43	94383	19.788	ug/l	99
44) Trichloroethene	8.82	130	41726	17.889	ug/l	99
45) 1,2-Dichloropropane	9.10	63	43269	19.761	ug/l	99
46) Dibromomethane	9.19	93	26831	18.885	ug/l	98
47) Bromodichloromethane	9.39	83	55953	19.364	ug/l	97
48) Methyl methacrylate	9.18	41	40460	18.602	ug/l	99
49) 1,4-Dioxane	9.18	88	5164	168.828	ug/l #	92
51) 4-Methyl-2-Pentanone	9.97	43	263881	97.576	ug/l	100
52) Toluene	10.14	92	95184	18.093	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	63734	18.000	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68477	18.664	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39463	18.654	ug/l	97
56) Ethyl methacrylate	10.42	69	57677	18.977	ug/l	97
57) 1,3-Dichloropropane	10.70	76	67689	19.619	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	150770	94.848	ug/l	99
59) 2-Hexanone	10.74	43	183977	92.655	ug/l	100
60) Dibromochloromethane	10.89	129	40690	18.913	ug/l	100
61) 1,2-Dibromoethane	11.00	107	38481	18.659	ug/l	99
64) Tetrachloroethene	10.62	164	42683	18.659	ug/l	99
65) Chlorobenzene	11.43	112	98657	17.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38141	18.418	ug/l	99
67) Ethyl Benzene	11.51	91	183281	17.970	ug/l	99
68) m/p-Xylenes	11.62	106	134655	34.992	ug/l	99
69) o-Xylene	11.94	106	66851	18.218	ug/l	97
70) Styrene	11.96	104	105600	17.503	ug/l	99
71) Bromoform	12.12	173	28509	19.102	ug/l #	98
73) Isopropylbenzene	12.25	105	176197	18.046	ug/l	99
74) N-amyl acetate	12.07	43	80110	18.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	51427	19.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47652m	16.488	ug/l	
77) Bromobenzene	12.52	156	43655	18.240	ug/l	99
78) n-propylbenzene	12.59	91	201714	17.625	ug/l	100
79) 2-Chlorotoluene	12.67	91	121165	18.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	145221	17.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19342	18.474	ug/l #	82
82) 4-Chlorotoluene	12.77	91	125184	17.661	ug/l	98
83) tert-Butylbenzene	12.99	119	122263	17.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	146503	17.657	ug/l	99
85) sec-Butylbenzene	13.17	105	158489	16.629	ug/l	100
86) p-Isopropyltoluene	13.28	119	144604	16.392	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	76814	18.559	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78056	18.874	ug/l	99
89) n-Butylbenzene	13.61	91	128821	15.908	ug/l	99
90) Hexachloroethane	13.87	117	19286	15.104	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	76183	18.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11228	18.682	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46221	17.403	ug/l	99
94) Hexachlorobutadiene	15.01	225	19864	15.826	ug/l	99
95) Naphthalene	15.13	128	143009	18.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45582	18.047	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion:168 Resp: 183153

Ion Ratio Lower Upper

168 100

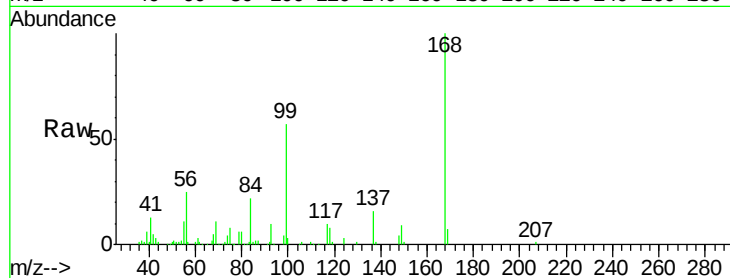
99 56.8 44.7 67.1

Manual Integrations

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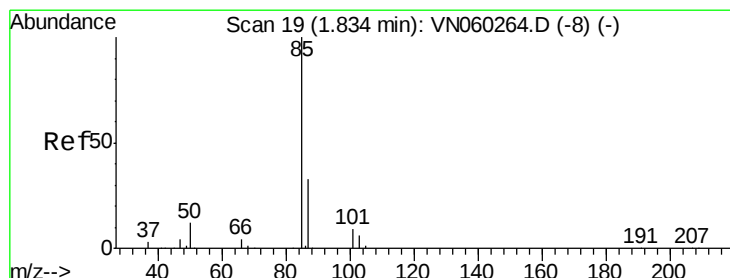
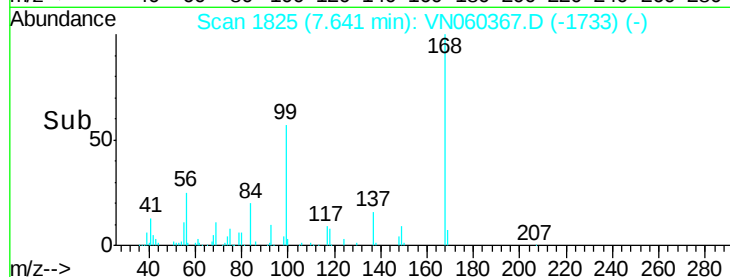
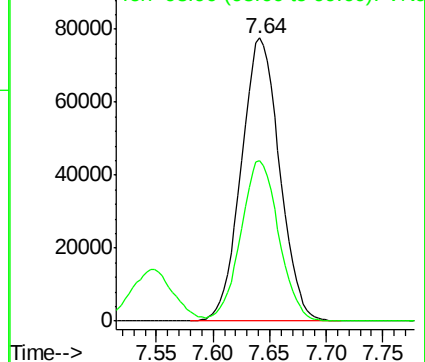
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.409 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060367.D

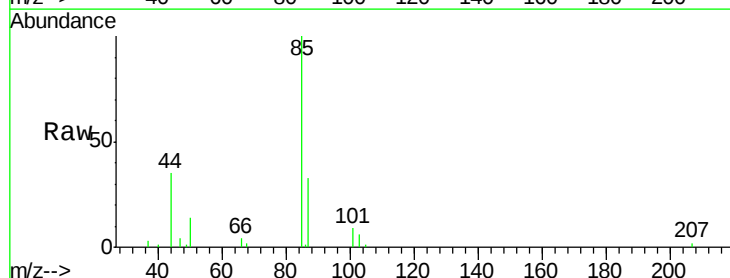
Acq: 5 Mar 2020 15:39

Tgt Ion: 85 Resp: 27555

Ion Ratio Lower Upper

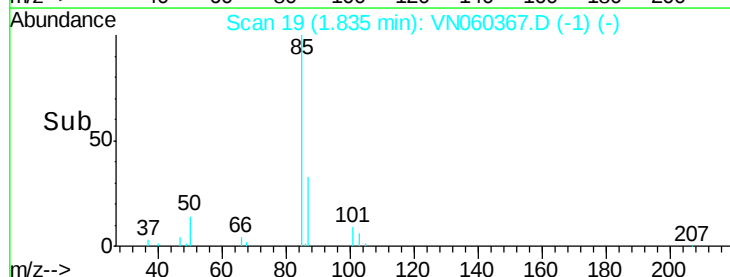
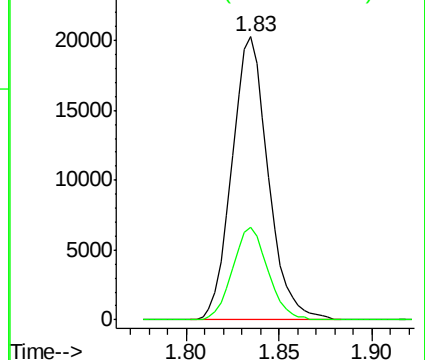
85 100

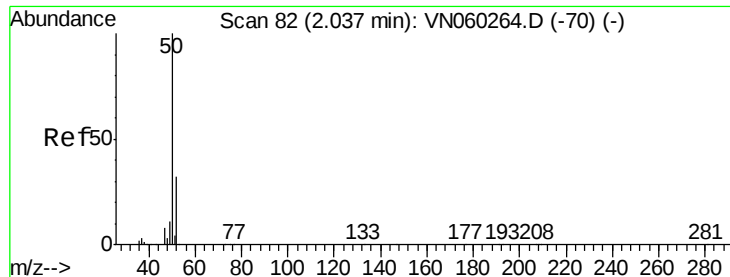
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.883 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VN0305MBSD01

Tot Ion: 50 Resp: 49360

Ion Ratio Lower Upper

50 100

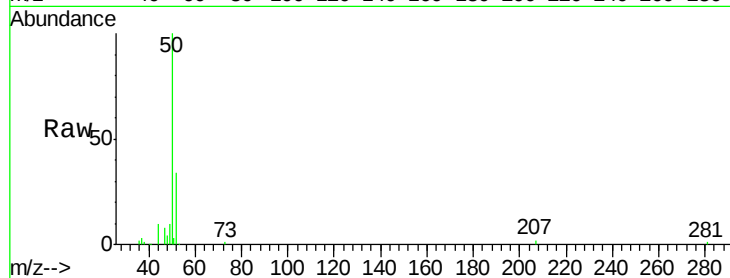
52 34.0 25.6 38.4

Manual Integrations

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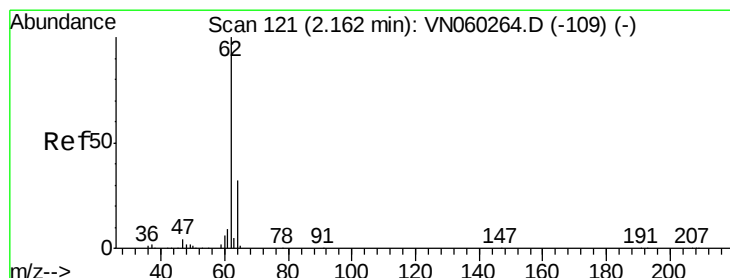
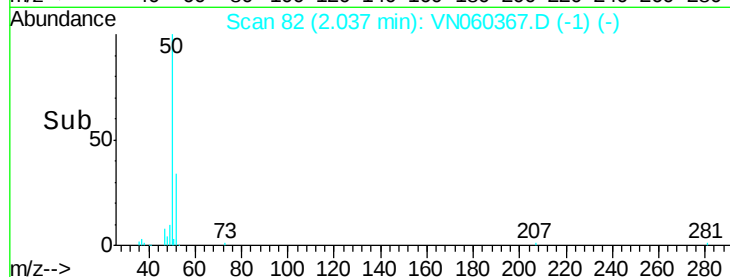
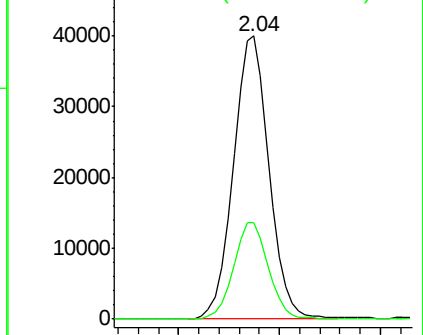
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.462 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060367.D

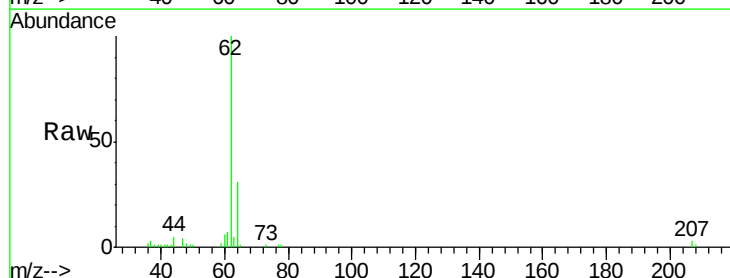
Acq: 5 Mar 2020 15:39

Tgt Ion: 62 Resp: 41275

Ion Ratio Lower Upper

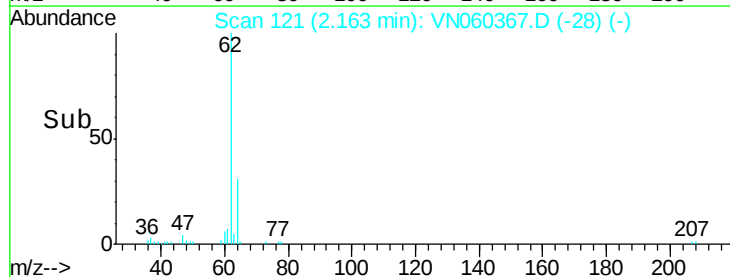
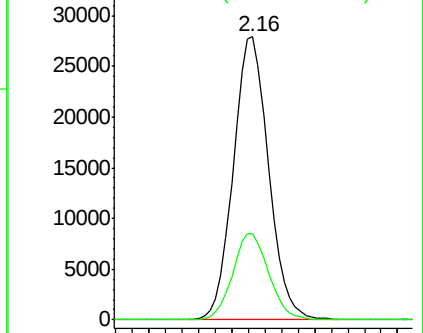
62 100

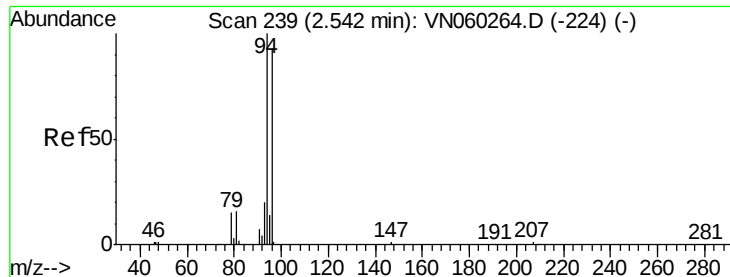
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.285 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion: 94 Resp: 15189

Ion Ratio Lower Upper

94 100

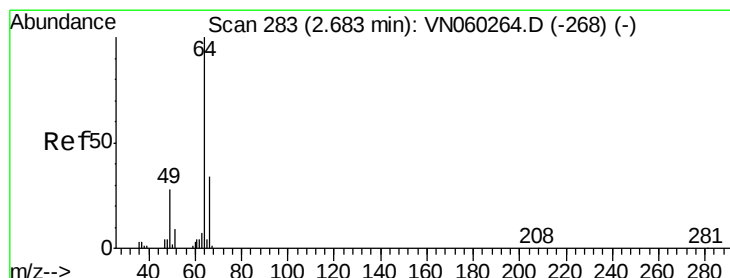
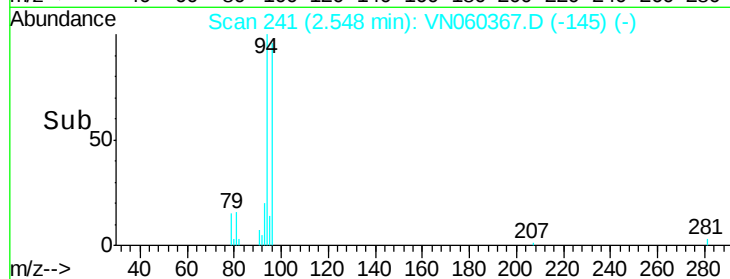
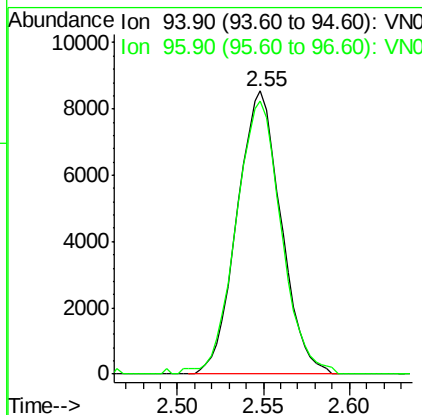
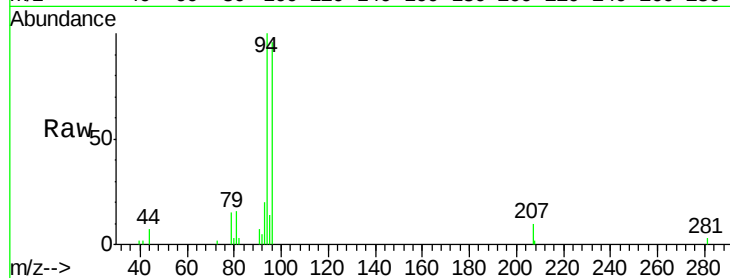
96 96.3 74.3 111.5

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#6

Chloroethane

Concen: 16.384 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060367.D

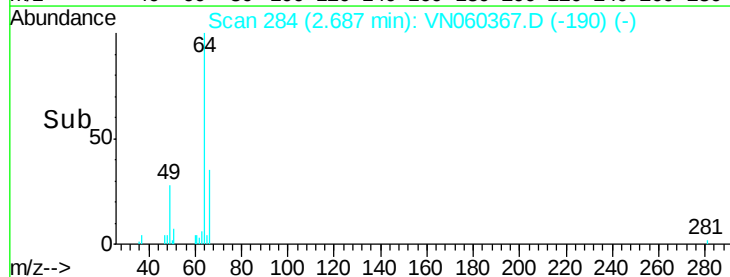
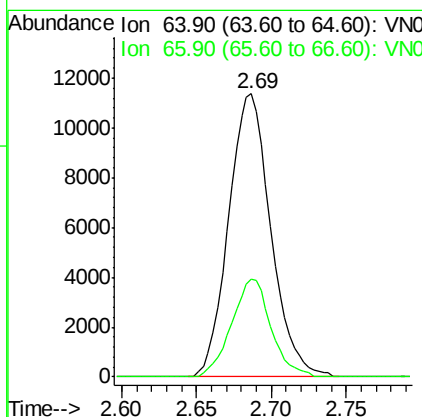
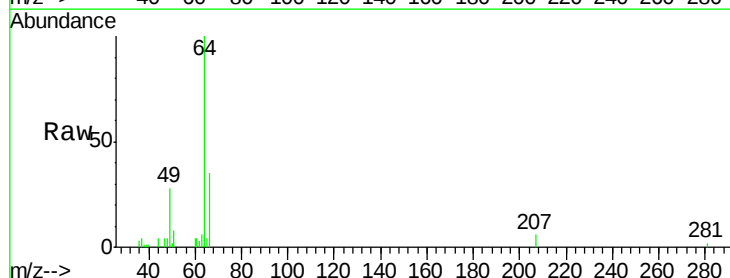
Acq: 5 Mar 2020 15:39

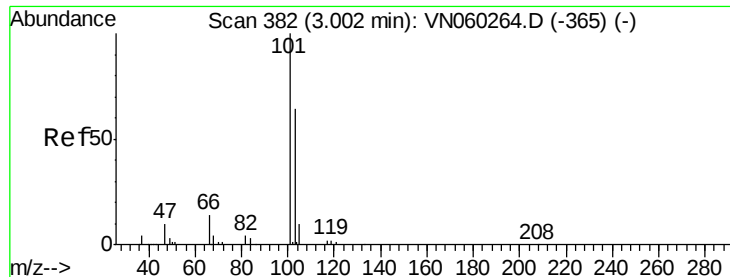
Tgt Ion: 64 Resp: 22258

Ion Ratio Lower Upper

64 100

66 34.7 27.4 41.2





#7

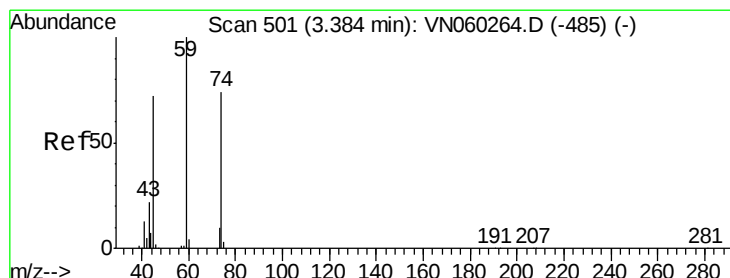
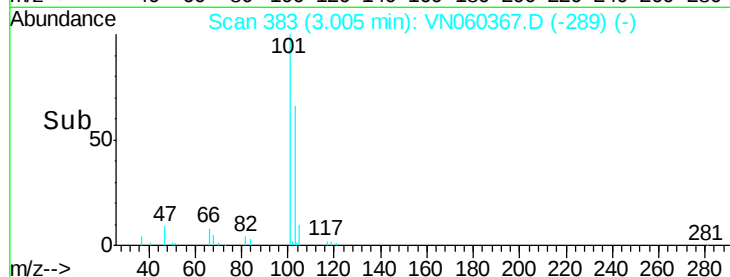
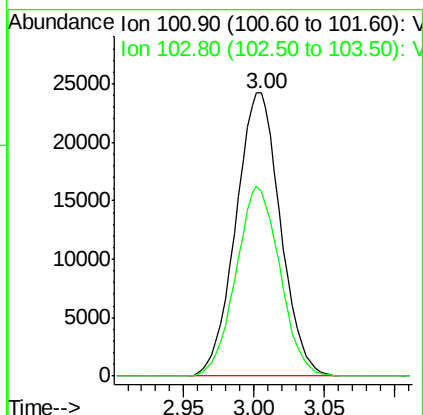
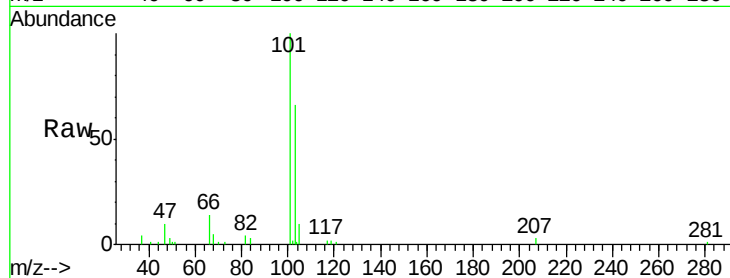
Trichlorofluoromethane
Concen: 16.693 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

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ClientSampleId :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.3	76.9

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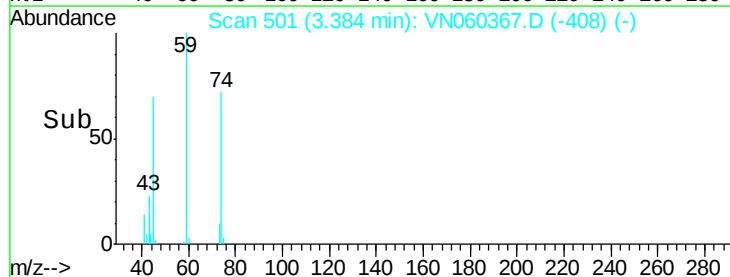
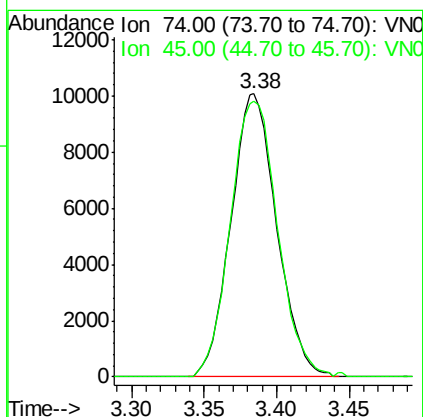
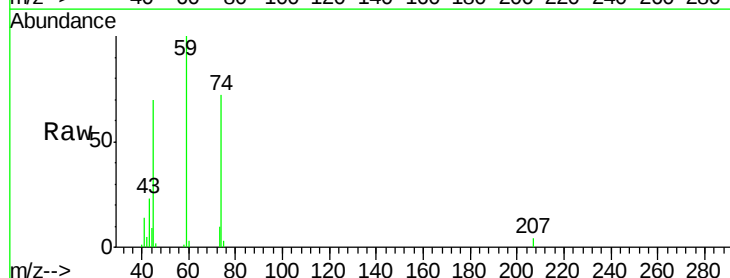
MMDadoda
3/6/2020 11:18:18 AM



#8

Diethyl Ether
Concen: 18.302 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.178 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

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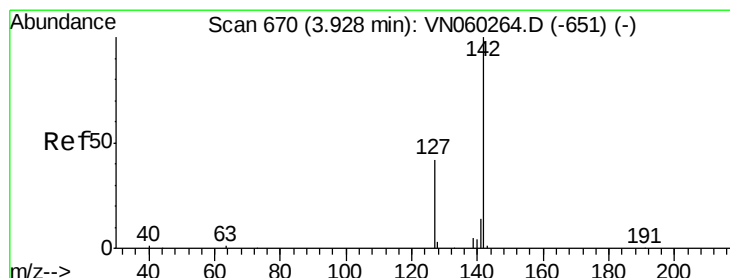
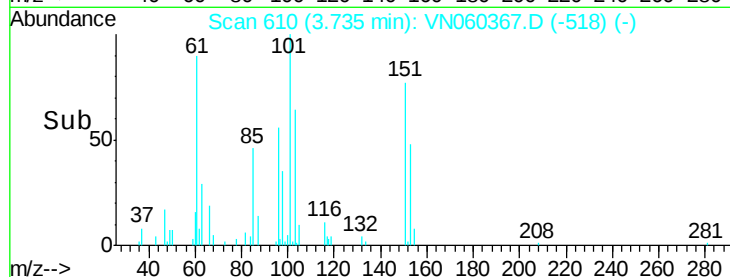
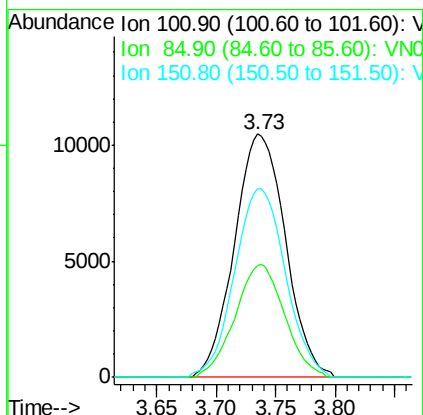
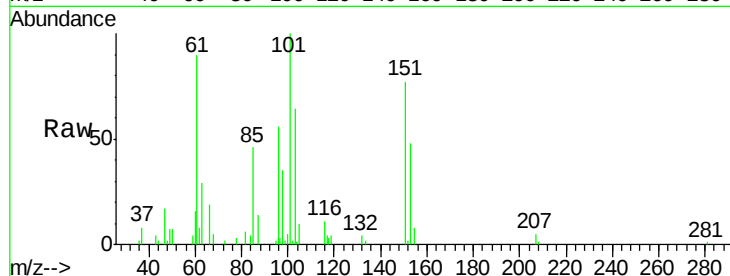
ClientSampleId :

VN0305MBSD01

Tot Ion:	101	Resp:	31144
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.4	53.2
151	77.3	62.0	93.0

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 16.459 ug/l

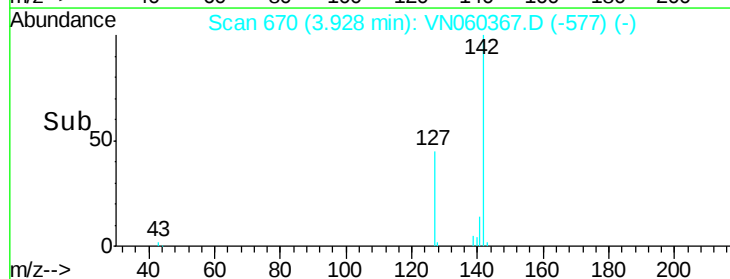
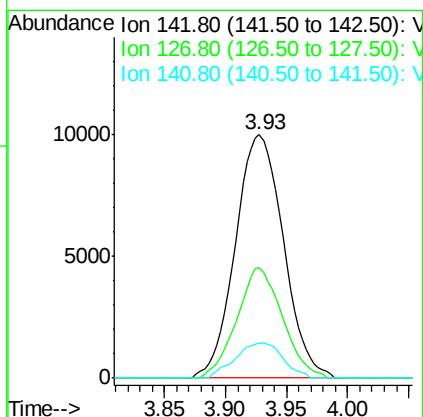
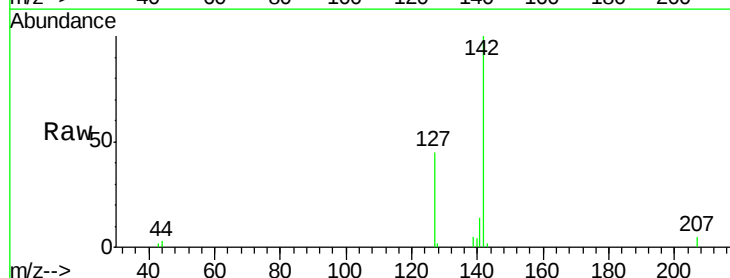
RT: 3.93 min Scan# 670

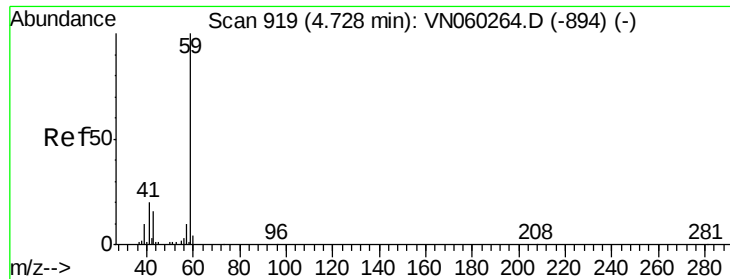
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	142	Resp:	27233
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.6
141	14.3	11.1	16.7





#11

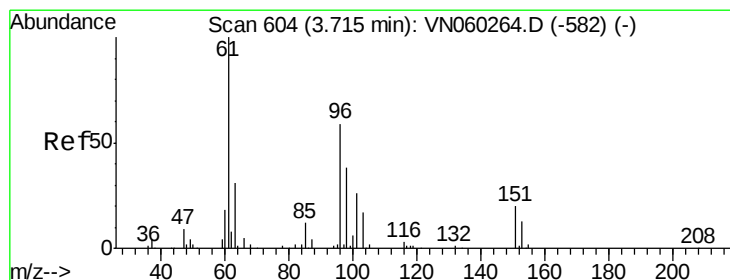
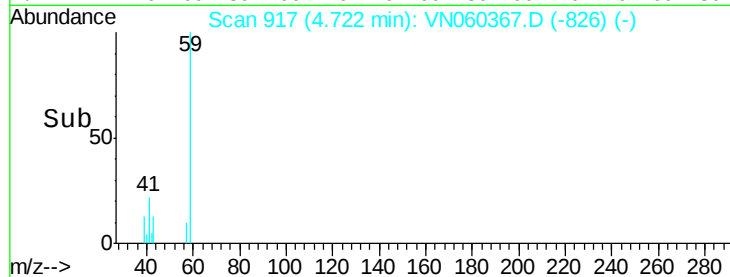
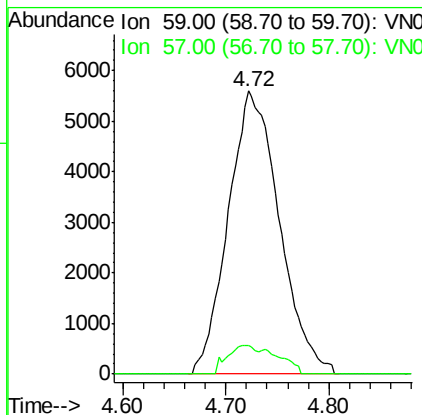
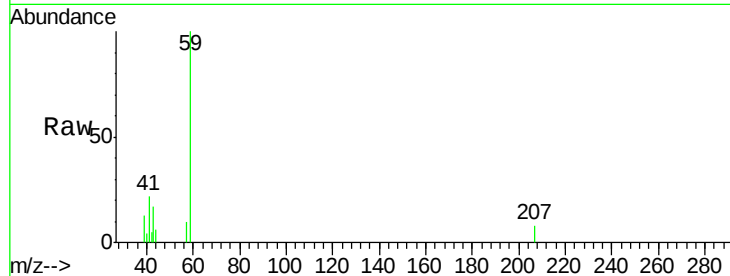
Tert butyl alcohol
 Concen: 55.204 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.2	12.2#

Manual Integrations
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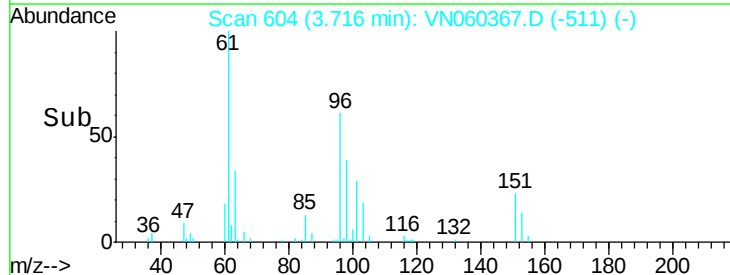
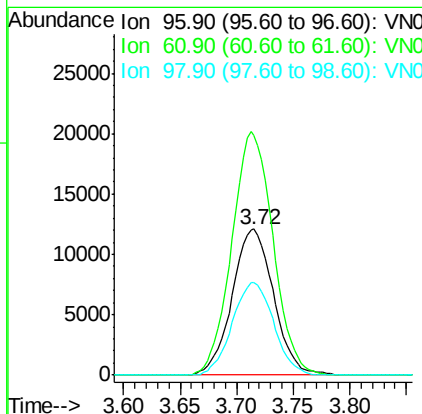
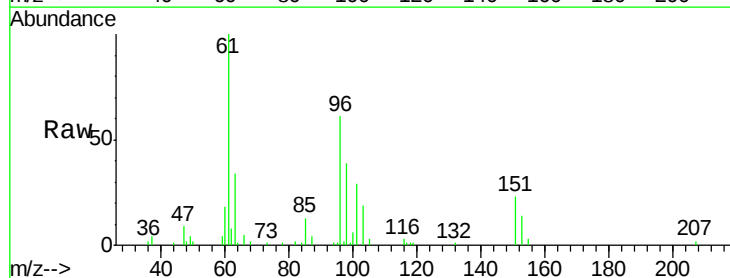
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#12

1,1-Dichloroethene
 Concen: 17.507 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	135.4	203.0
98	63.6	51.6	77.4





#13

Acrolein

Concen: 91.120 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion: 56 Resp: 29661

Ion Ratio Lower Upper

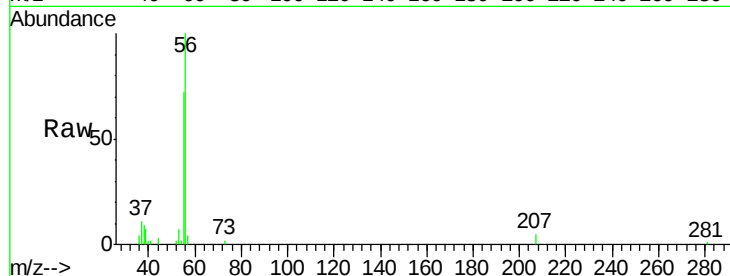
56 100

55 70.8 57.4 86.0

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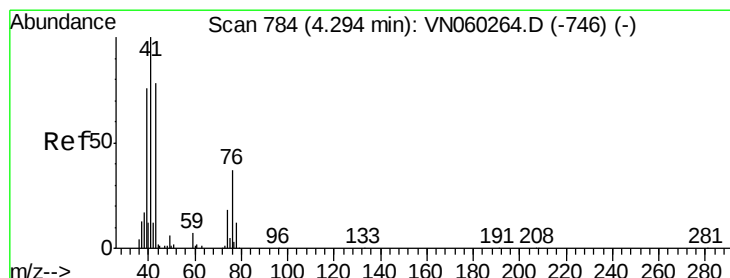
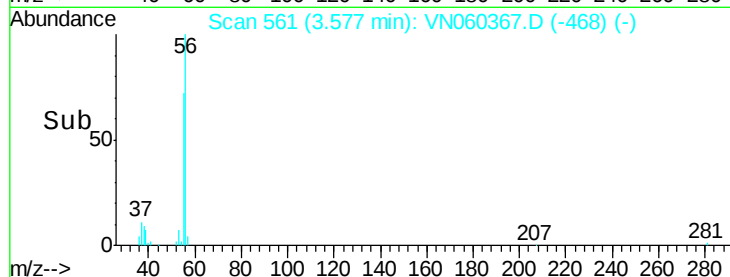
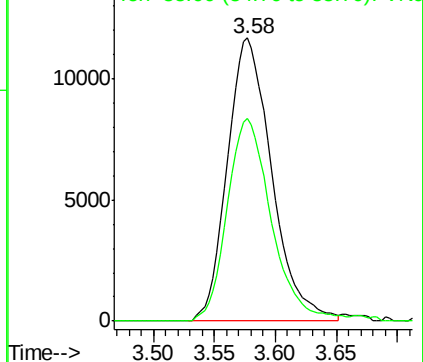
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.691 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

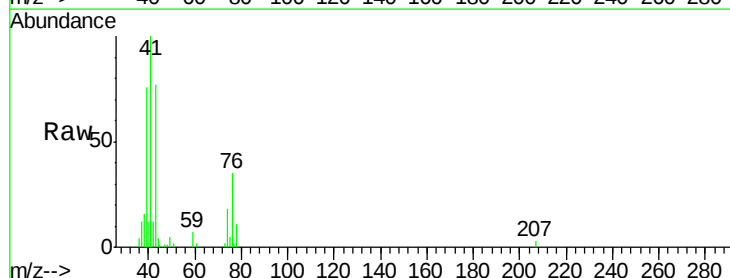
Tgt Ion: 41 Resp: 57397

Ion Ratio Lower Upper

41 100

39 72.2 55.4 83.2

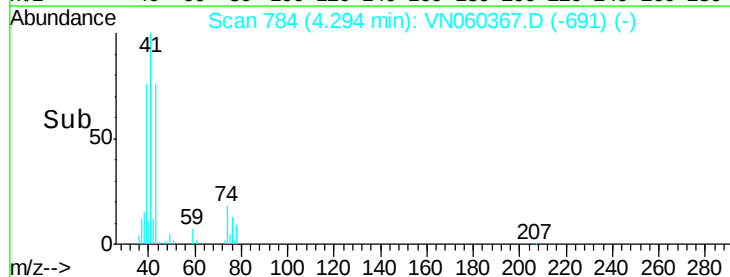
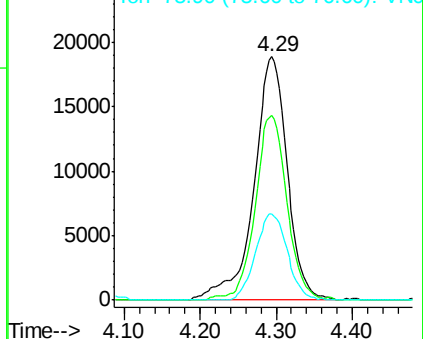
76 33.7 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.273 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

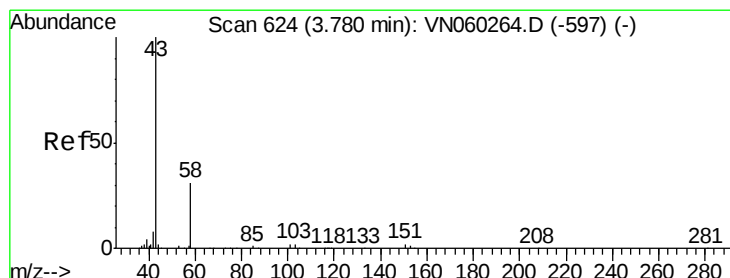
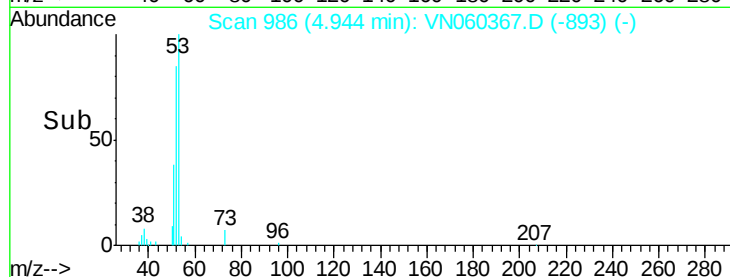
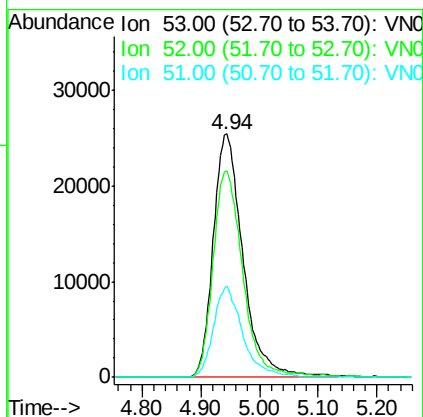
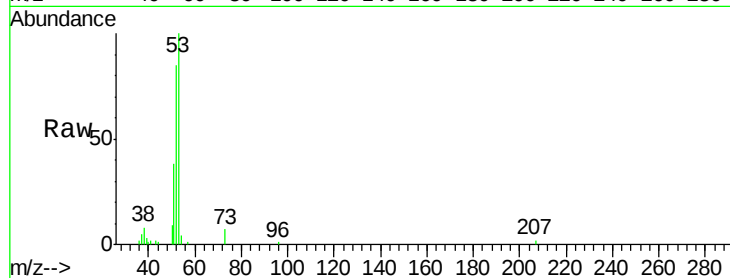
ClientSampled :

VN0305MBSD01

Tot Ion:	53	Resp:	89462
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.8	100.2
51	36.2	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 88.173 ug/l

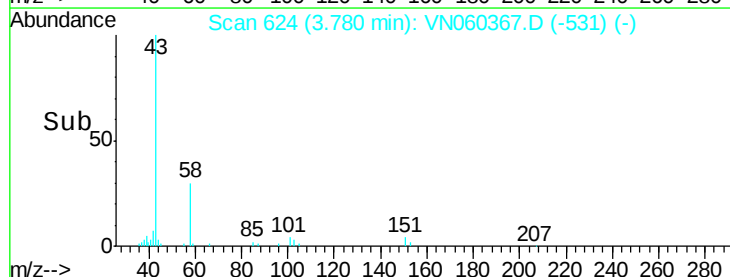
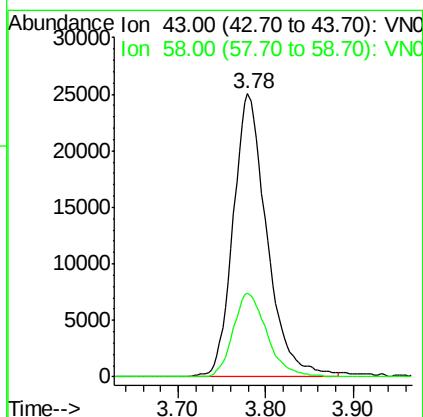
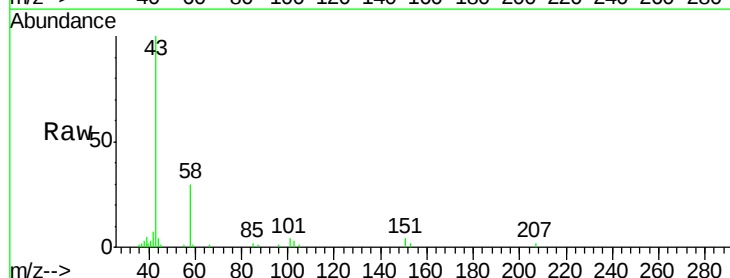
RT: 3.78 min Scan# 624

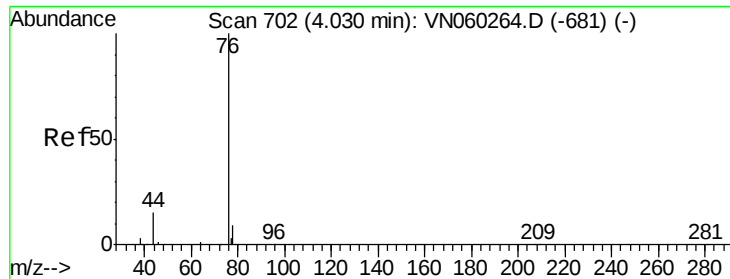
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	43	Resp:	66910
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





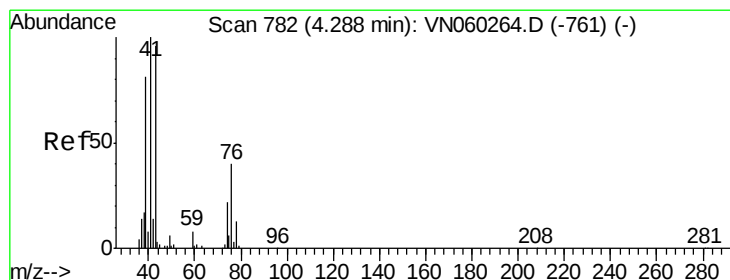
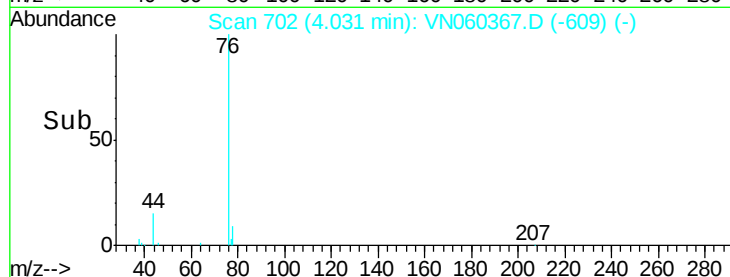
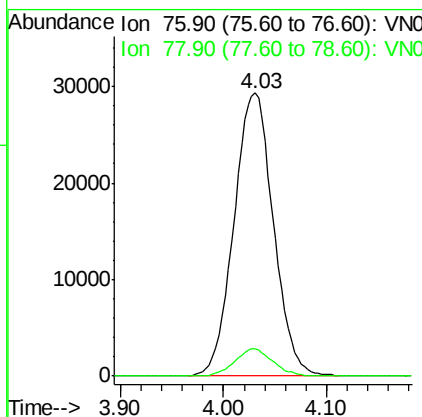
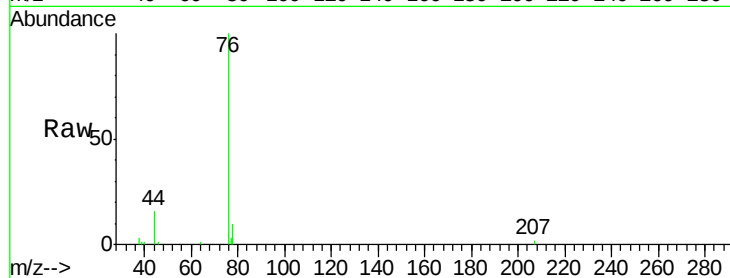
#17
Carbon Disulfide
Concen: 16.229 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

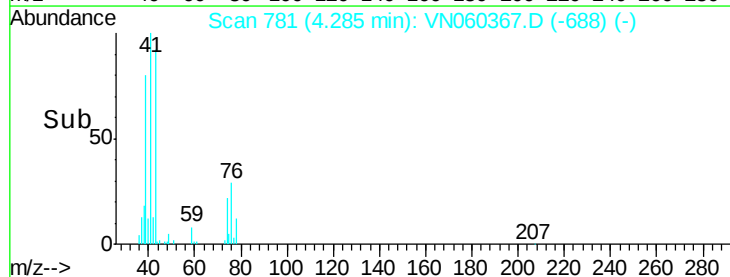
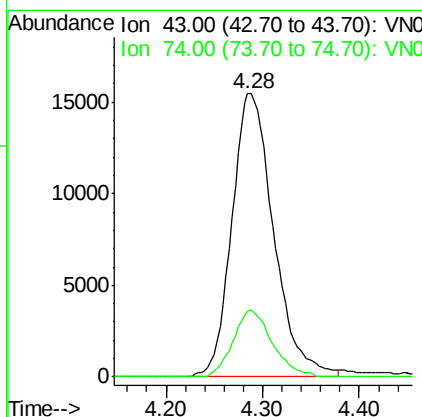
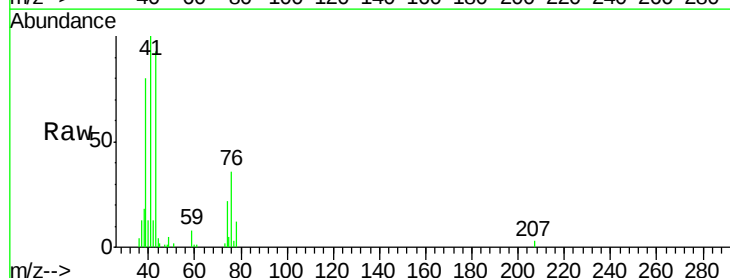
Manual Integrations
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3/6/2020 11:18:18 AM



#18
Methyl Acetate
Concen: 18.351 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.8	28.2





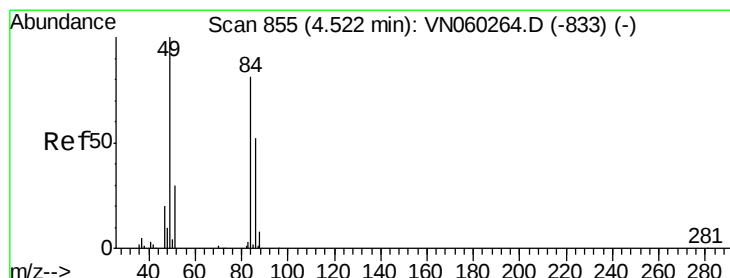
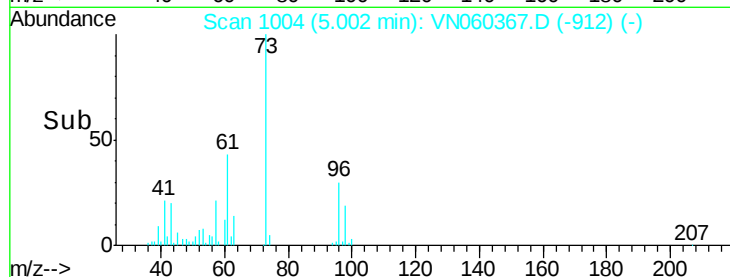
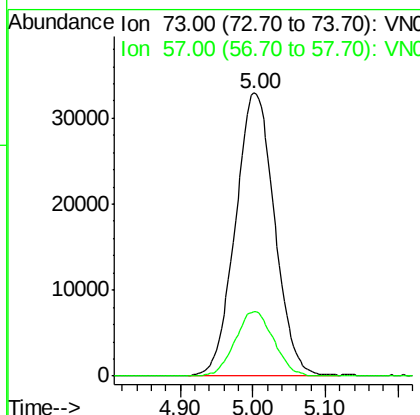
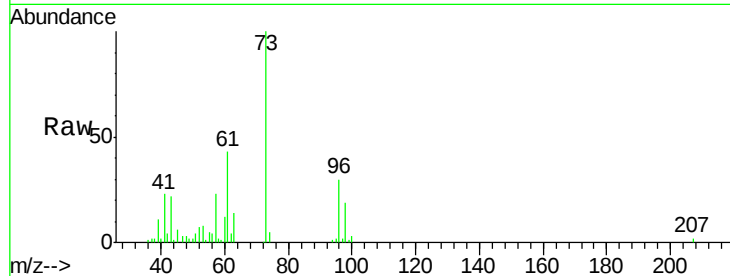
#19
Methvl tert-butvl Ether
Concen: 19.393 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	73	Resp	123891
Ion Ratio	Lower	Upper	
73	100		
57	22.7	17.3	25.9

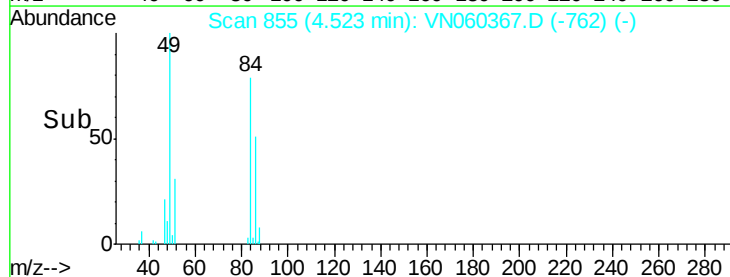
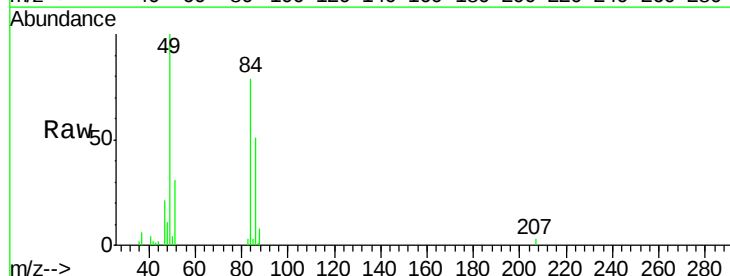
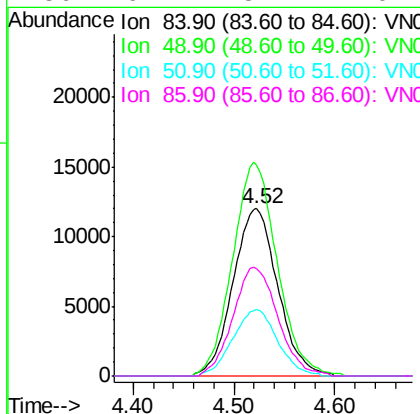
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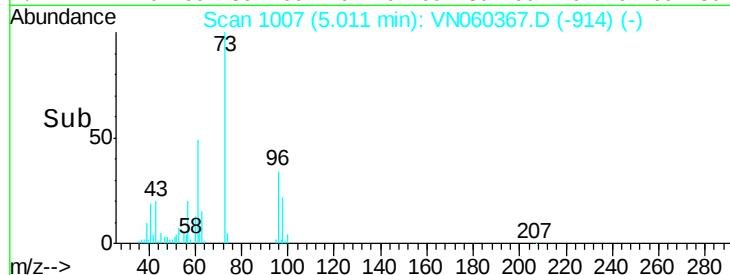
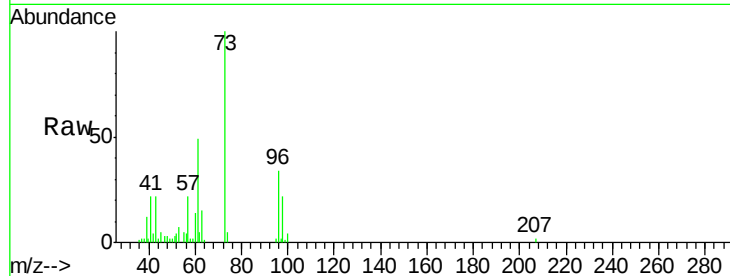
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3/6/2020 11:18:18 AM



#20
Methylene Chloride
Concen: 17.754 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	84	Resp	36999
Ion Ratio	Lower	Upper	
84	100		
49	126.3	99.3	148.9
51	39.4	30.1	45.1
86	64.2	51.1	76.7





#21

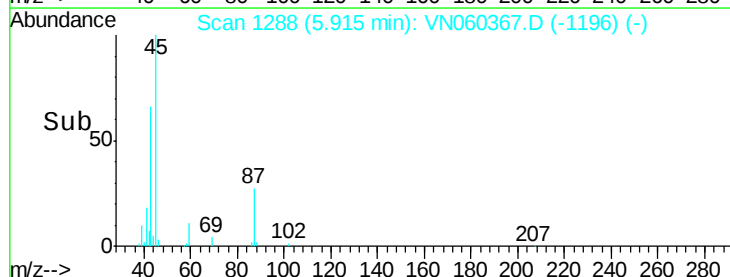
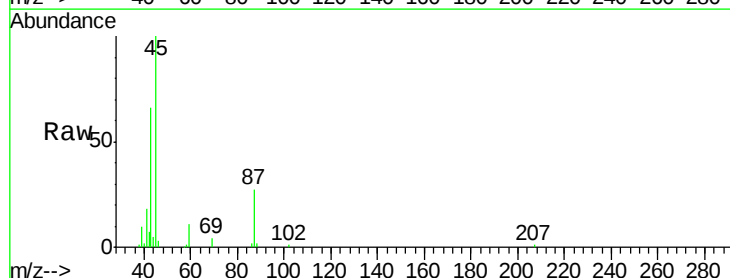
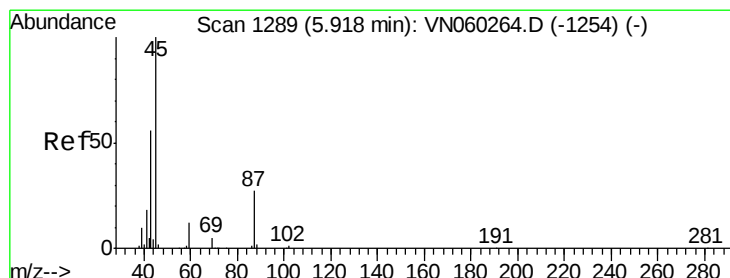
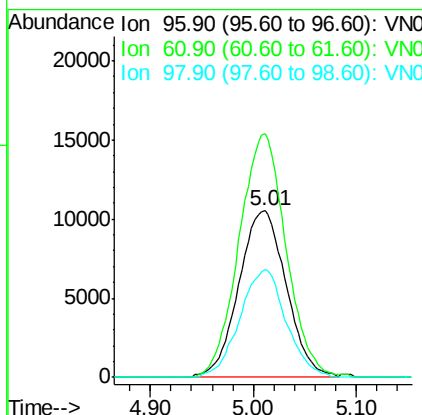
trans-1,2-Dichloroethene
Concen: 17.529 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	113.8	170.8
98	64.7	48.8	73.2

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

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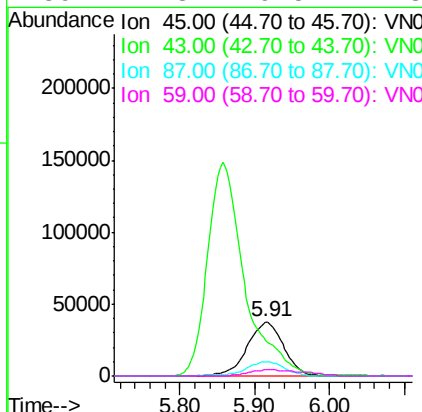
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3/6/2020 11:18:18 AM



#22

Diisopropyl ether
Concen: 19.318 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	48.6	72.8
87	26.9	22.2	33.2
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 97.967 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion: 43 Resp: 511588

Ion Ratio Lower Upper

43 100

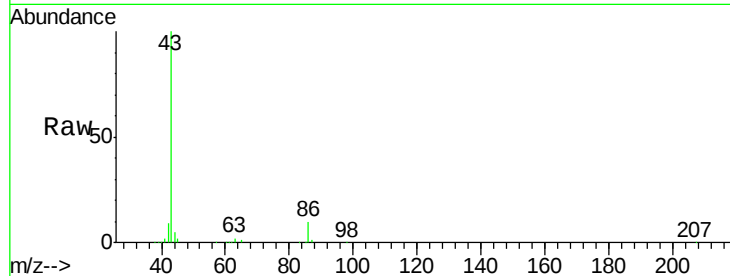
86 9.9 8.0 12.0

Manual Integrations

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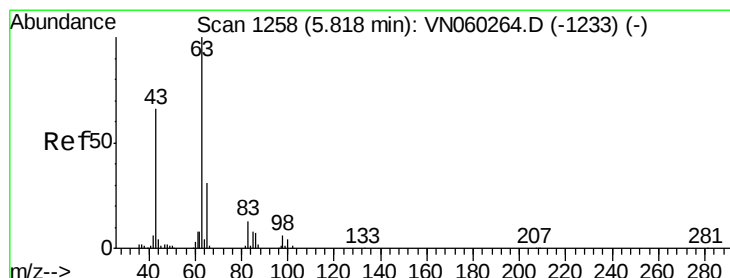
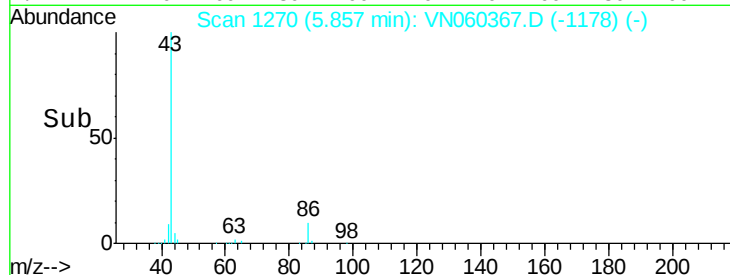
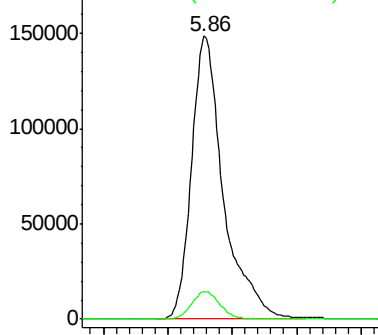
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3/6/2020 11:18:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.494 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

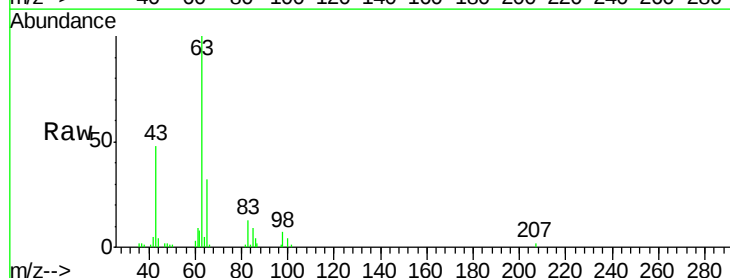
Tgt Ion: 63 Resp: 68799

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

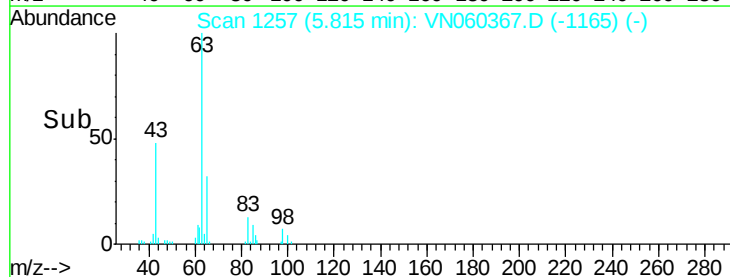
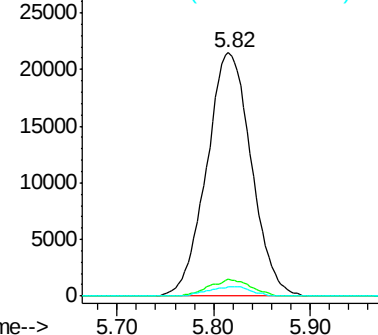
100 3.7 2.0 6.0



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: 92.098 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampled :

VN0305MBSD01

Tot Ion: 43 Resp: 112886

Ion Ratio Lower Upper

43 100

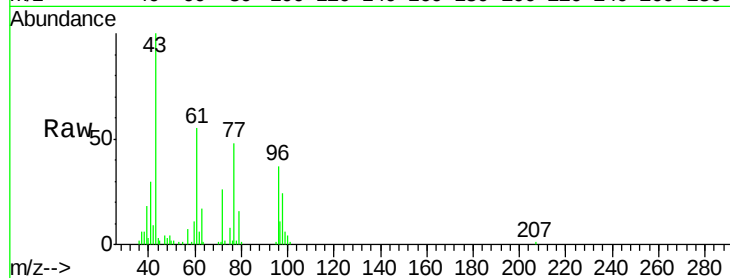
72 25.6 20.9 31.3

Manual Integrations

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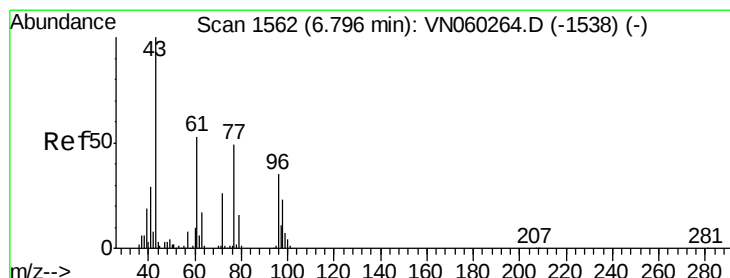
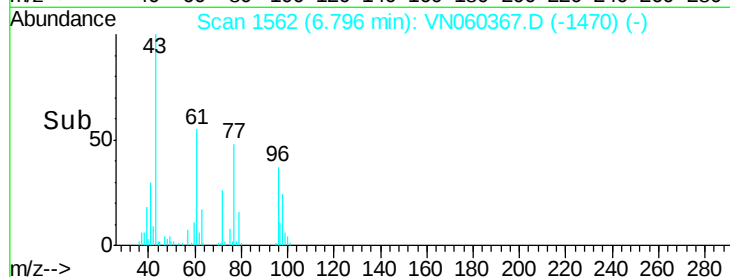
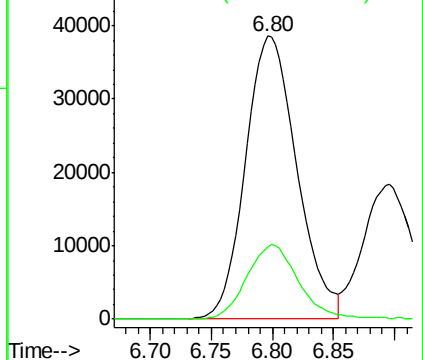
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3/6/2020 11:18:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.674 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060367.D

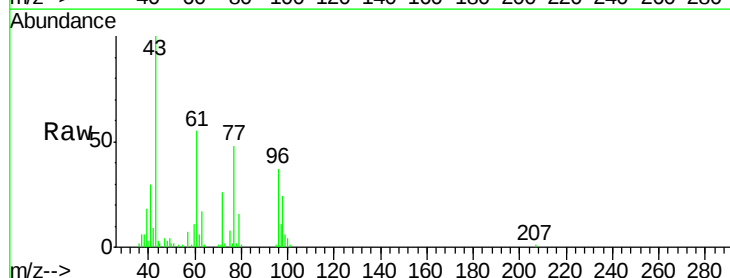
Acq: 5 Mar 2020 15:39

Tgt Ion: 77 Resp: 59854

Ion Ratio Lower Upper

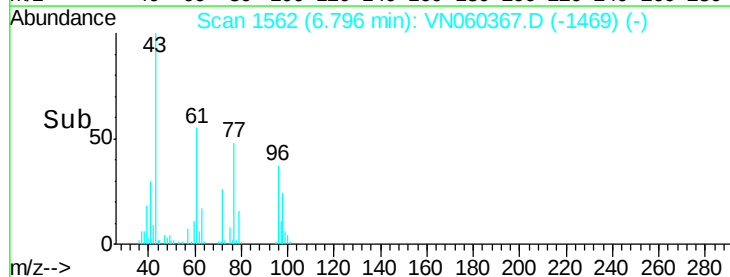
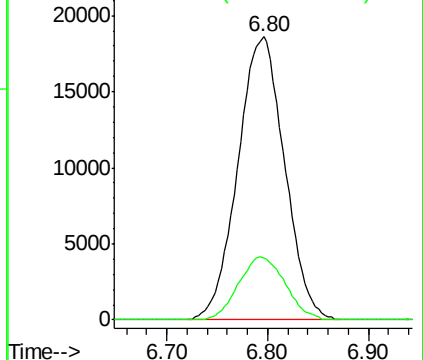
77 100

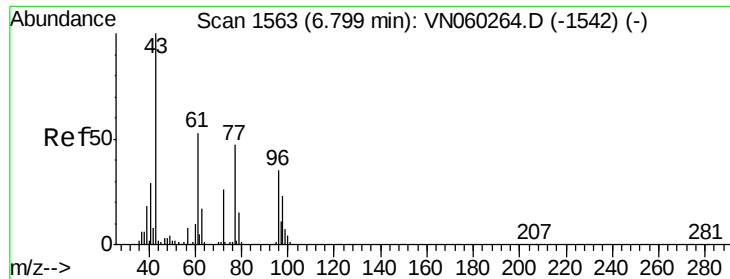
97 22.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.449 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

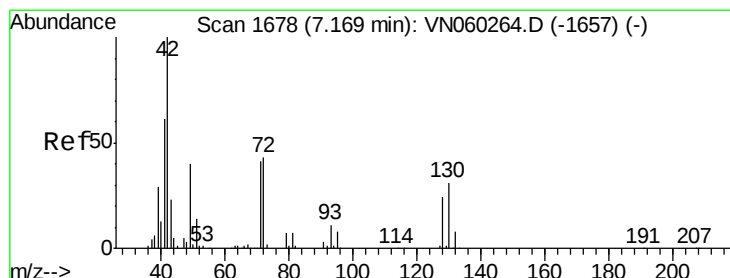
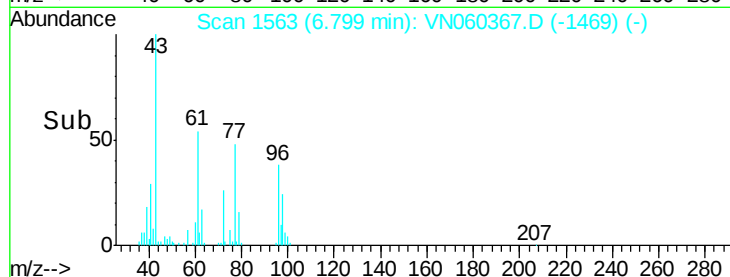
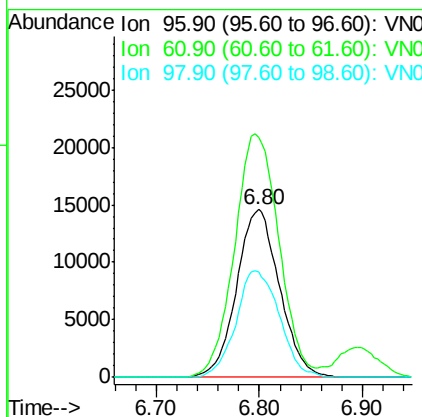
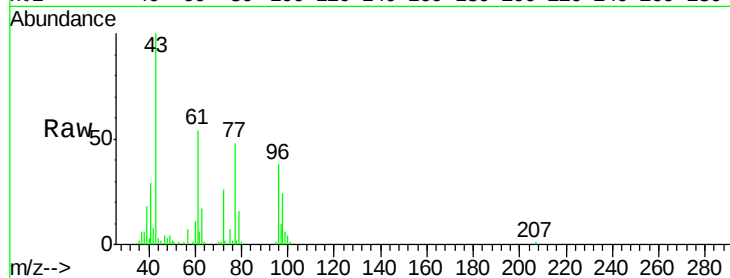
ClientSampleId :

VN0305MBSD01

Tot Ion:	96	Resp:	42167
Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	300.8
98	64.4	0.0	128.2

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#28

Bromochloromethane

Concen: 19.862 ug/l

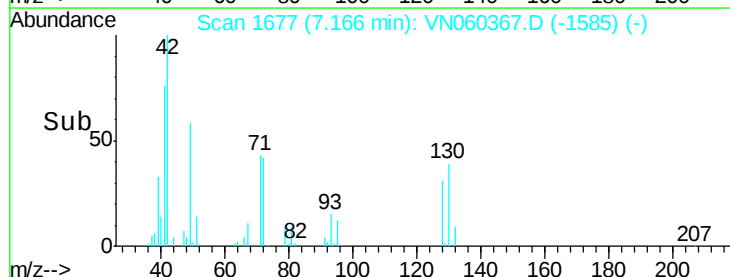
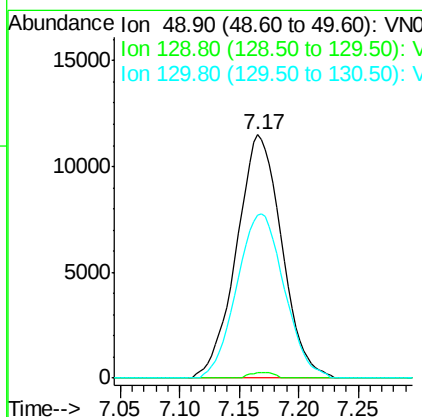
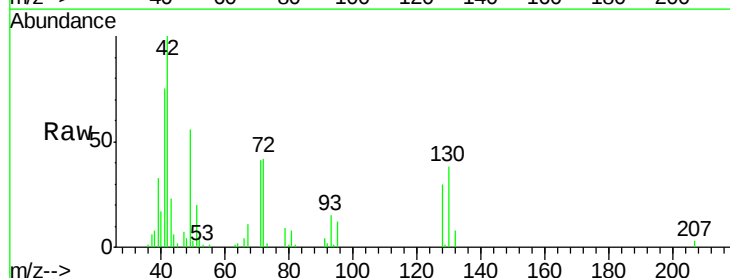
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	49	Resp:	30336
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	70.6	59.8	89.8





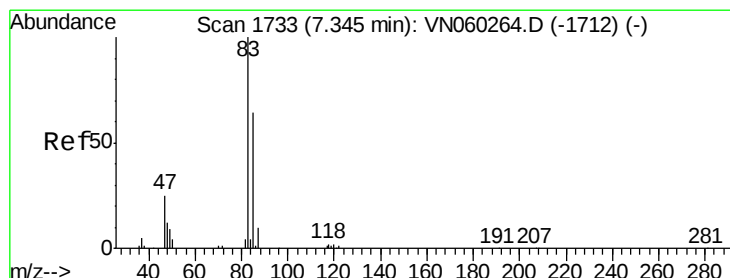
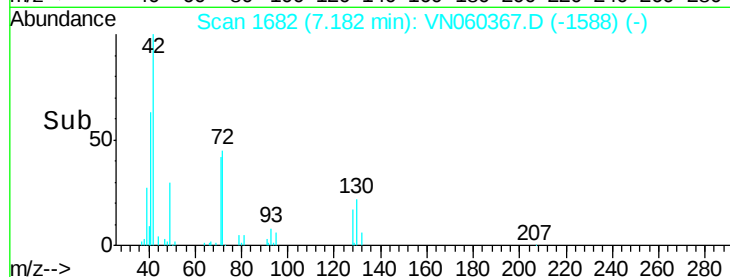
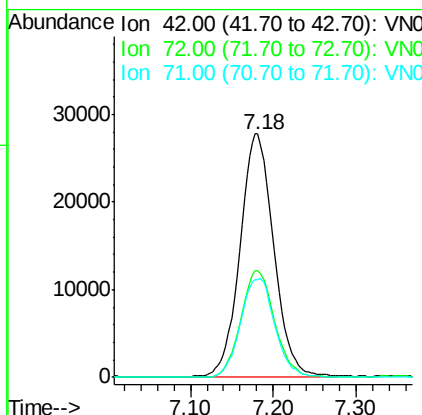
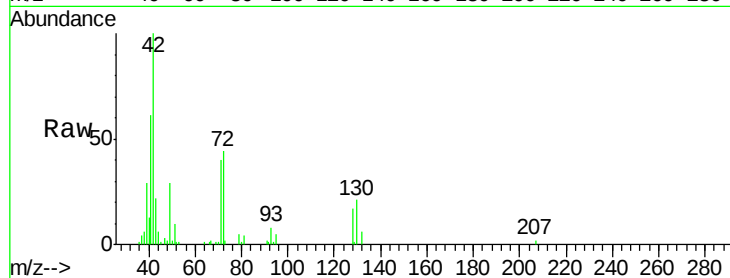
#29
Tetrahydrofuran
Concen: 92.585 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	52.0
71	41.0	32.9	49.3

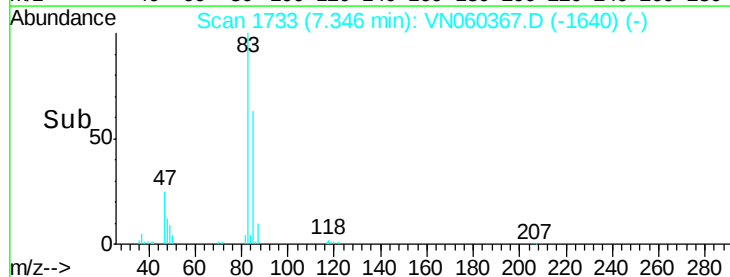
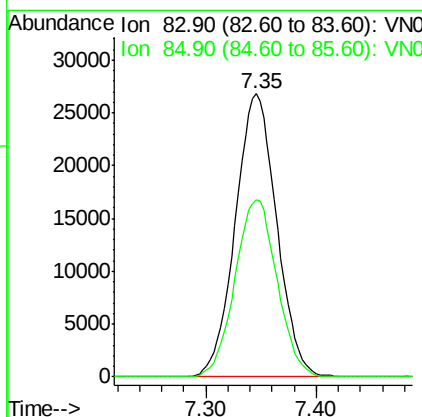
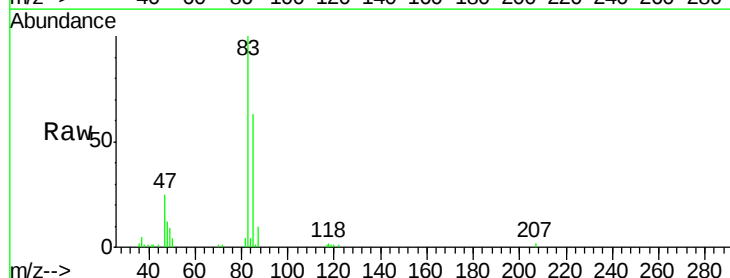
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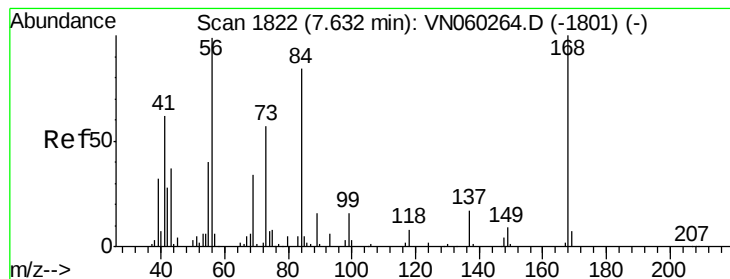
MMDadoda
3/6/2020 11:18:18 AM



#30
Chloroform
Concen: 18.798 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.2





#31

Cyclohexane

Concen: 17.865 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

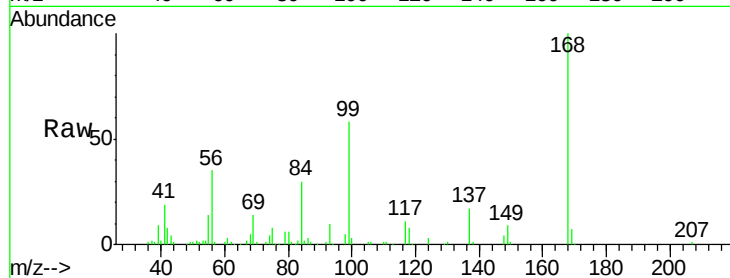
ClientSampleId :

VN0305MBSD01

Tot Ion:	56	Resp:	59448
Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.2	40.8
84	86.1	66.7	100.1

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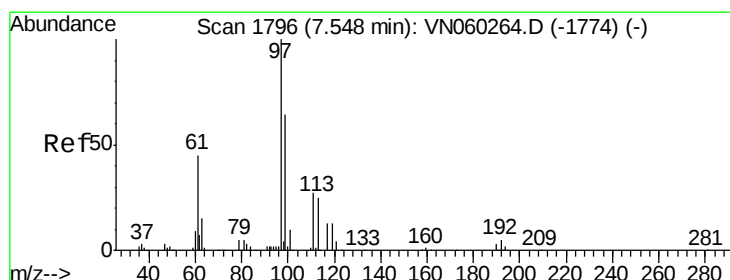
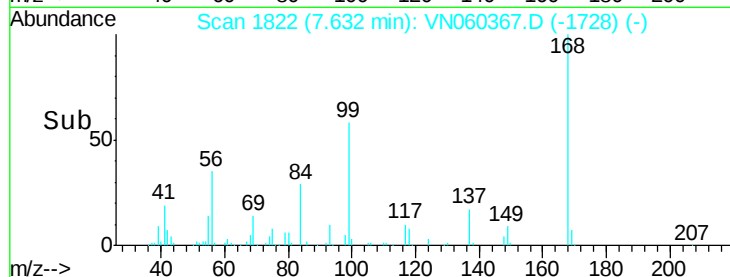
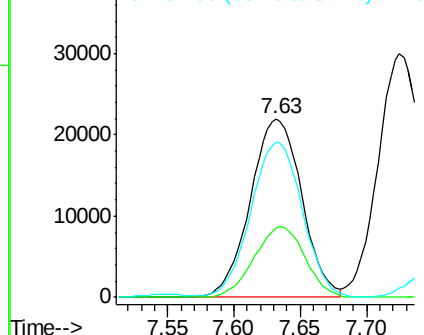


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.172 ug/l

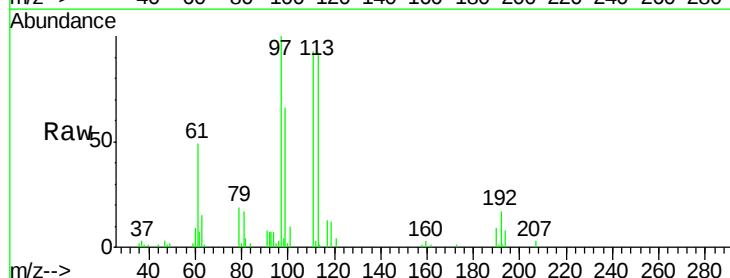
RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	97	Resp:	59622
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	46.4	36.6	55.0

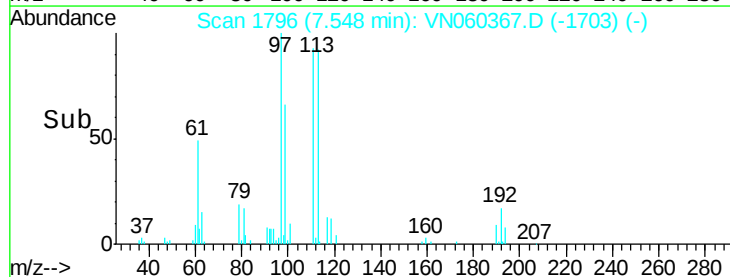
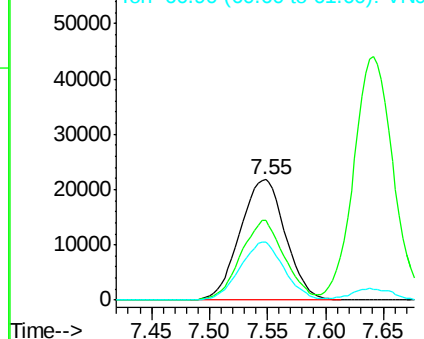


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





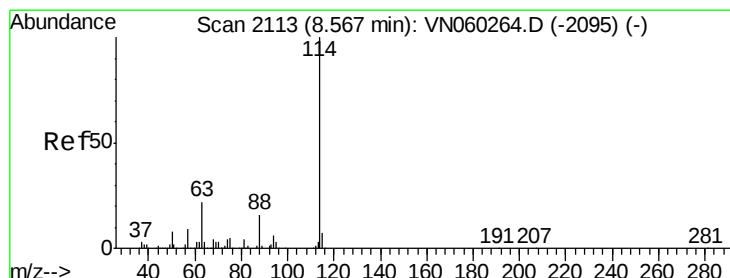
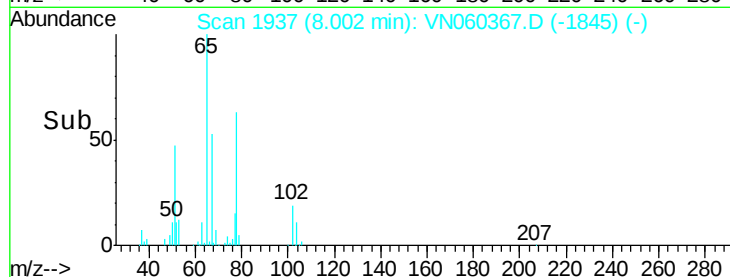
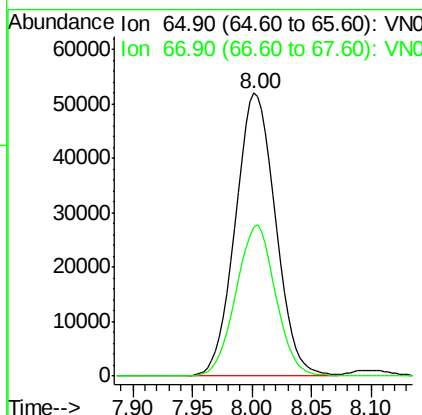
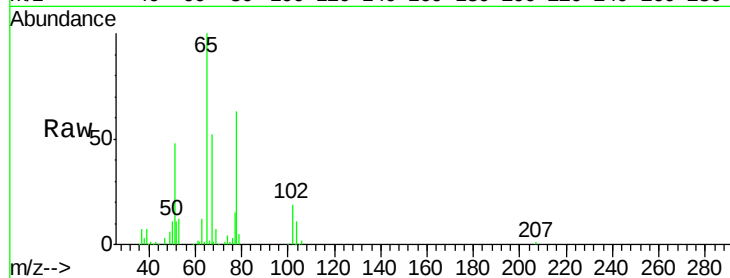
#33
 1,2-Dichloroethane-d4
 Concen: 51.869 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.8	

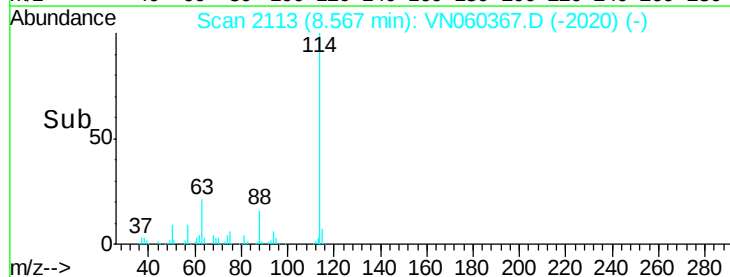
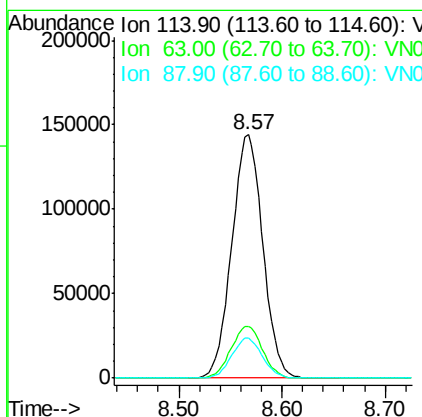
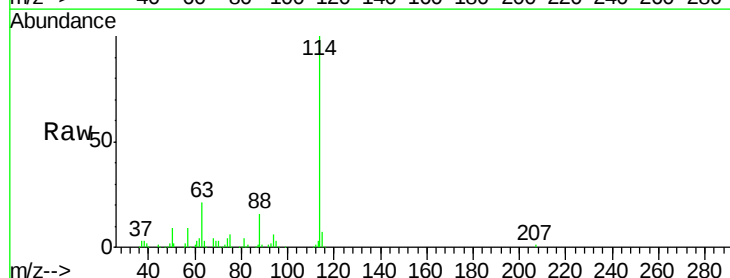
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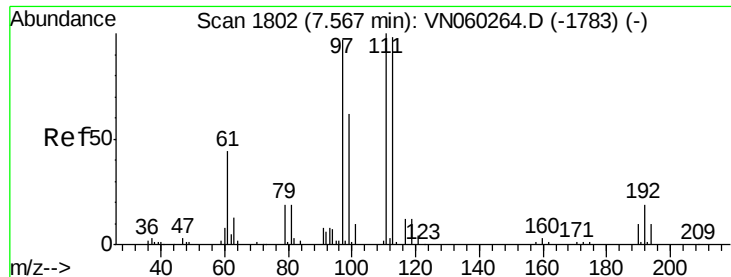
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	16.4	0.0	31.6	





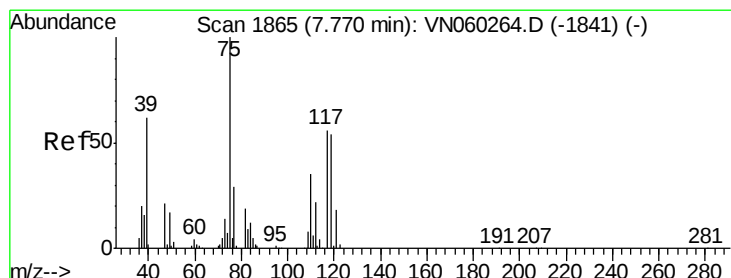
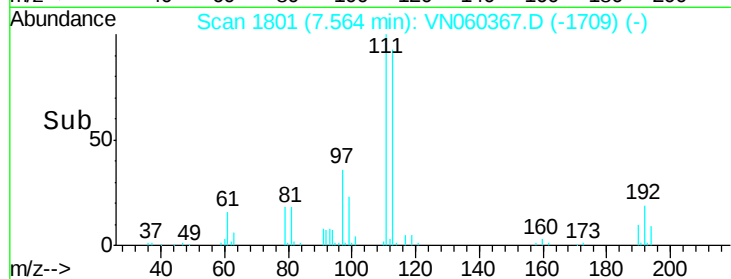
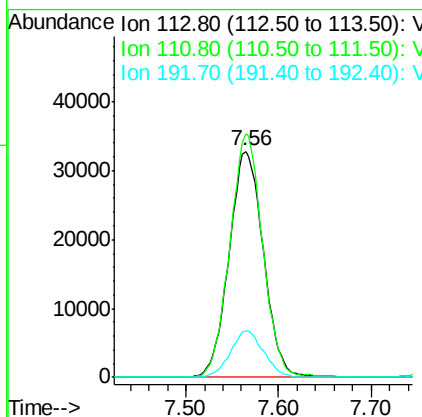
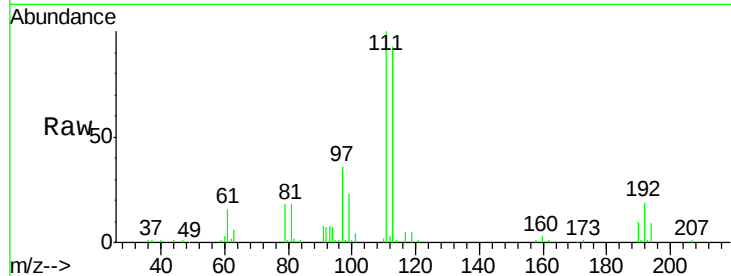
#35
 Dibromofluoromethane
 Concen: 60.161 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	19.7	16.2	24.2

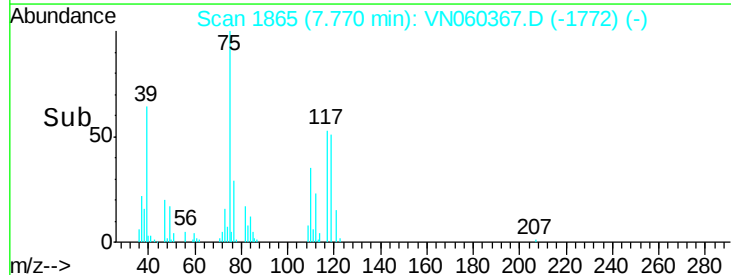
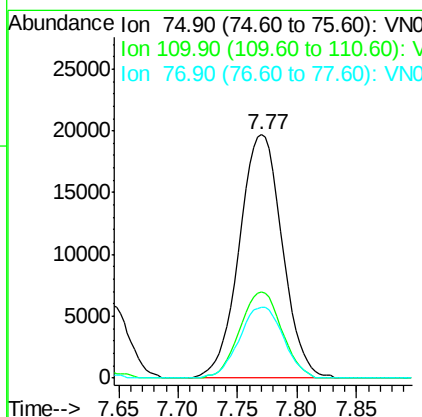
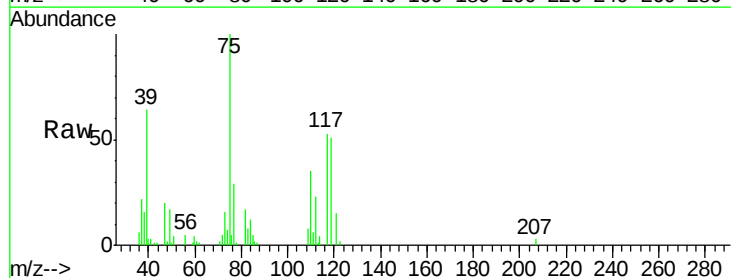
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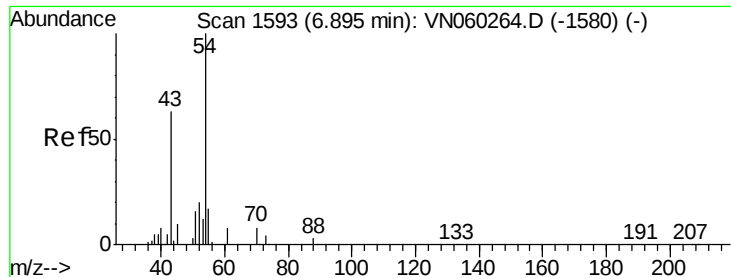
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#36
 1,1-Dichloropropene
 Concen: 17.167 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	29.9	24.2	36.2





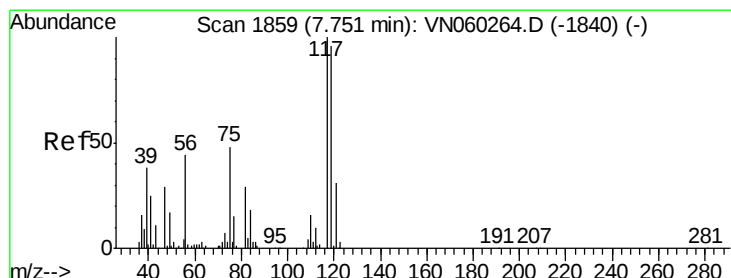
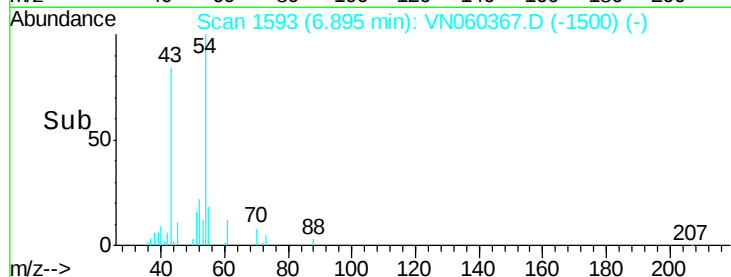
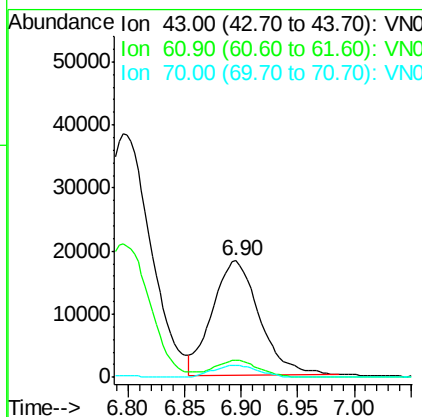
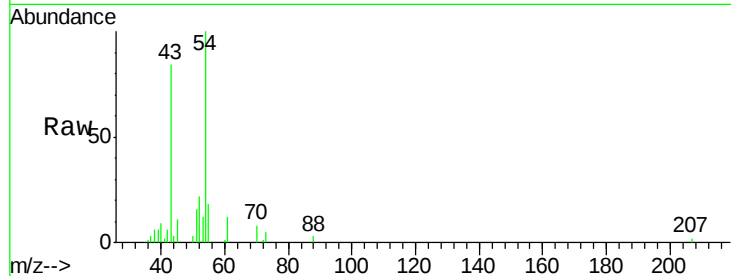
#37
Ethyl Acetate
Concen: 19.534 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.9	8.4	12.6

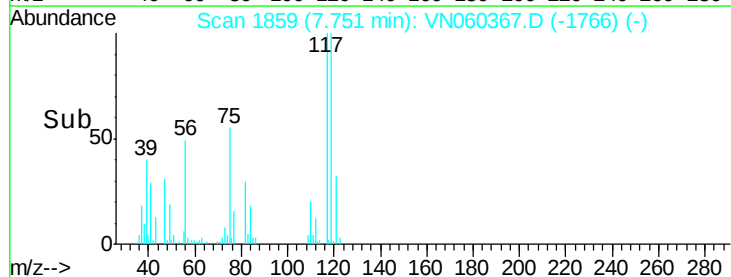
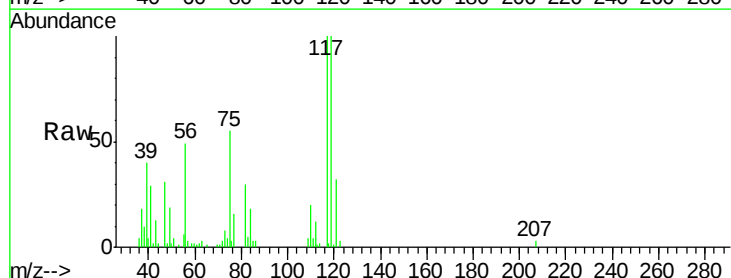
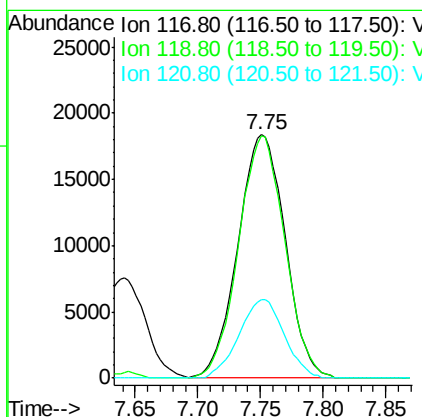
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#38
Carbon Tetrachloride
Concen: 17.221 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.7	115.1
121	32.0	24.5	36.7





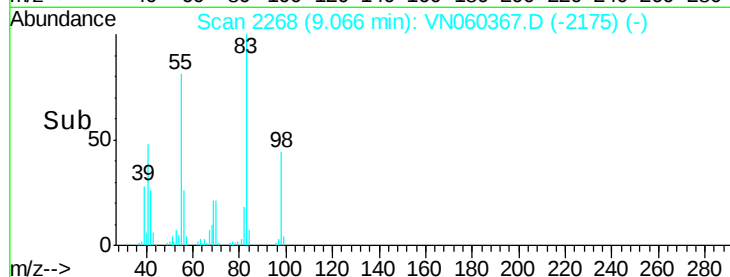
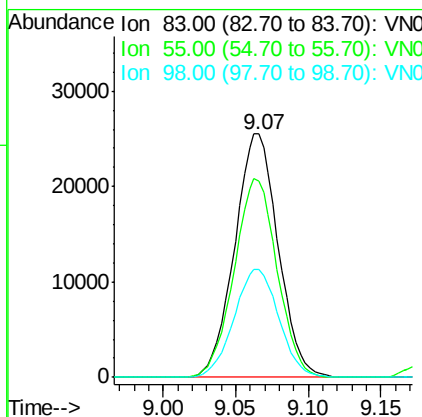
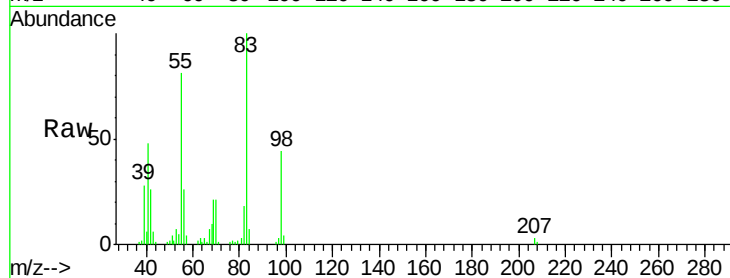
#39
Methvlcvclohexane
Concen: 15.637 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	61.0	91.4
98	44.2	36.1	54.1

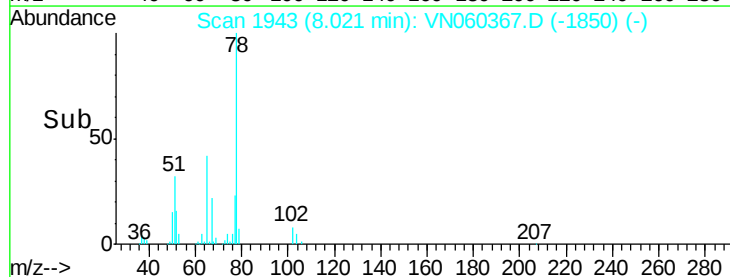
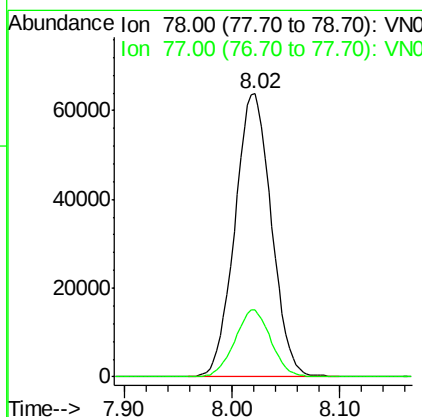
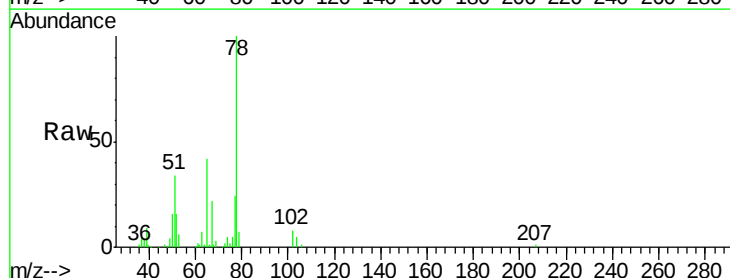
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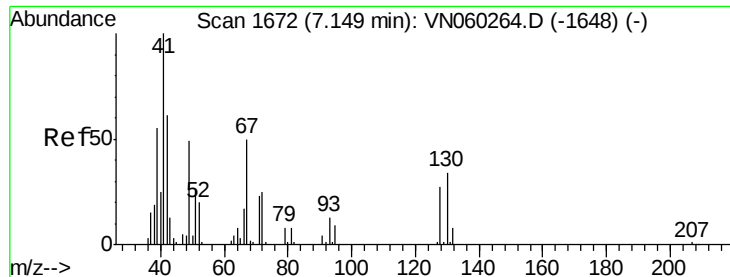
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#40
Benzene
Concen: 17.967 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





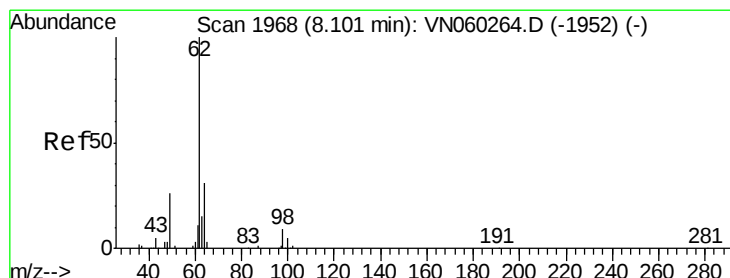
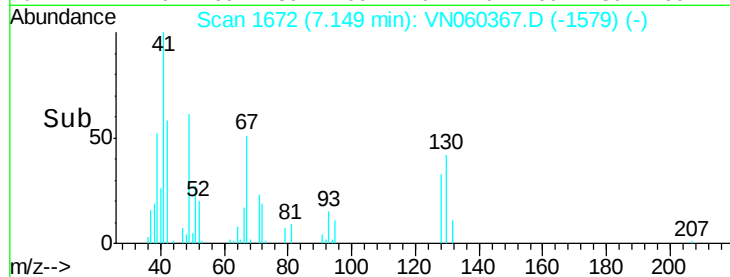
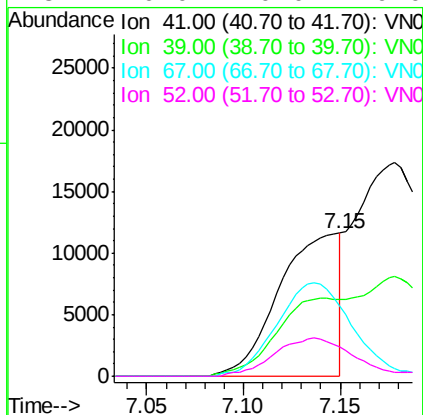
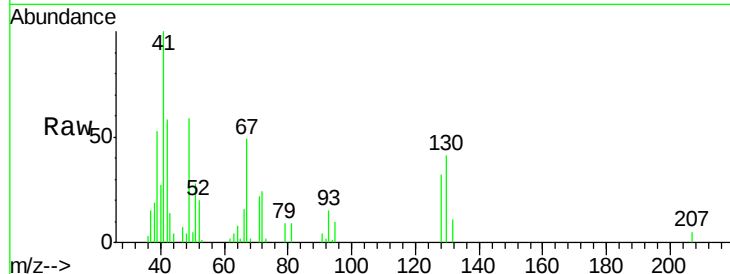
#41
Methacrylonitrile
Concen: 20.013 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion	41	Resp:	25176
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

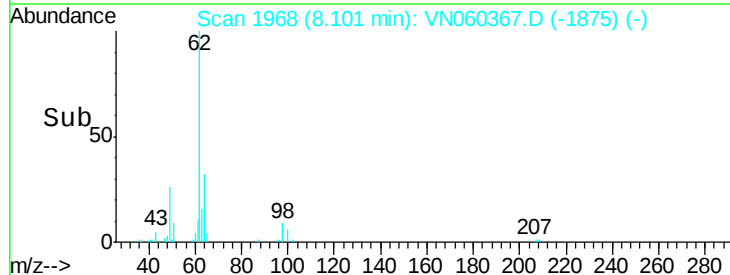
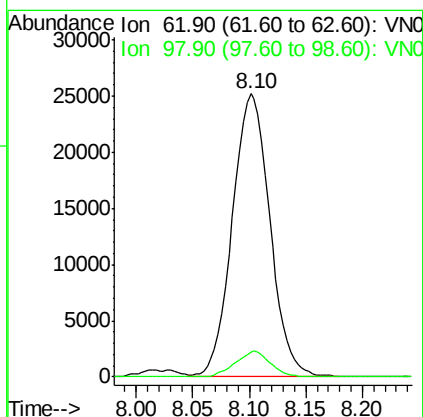
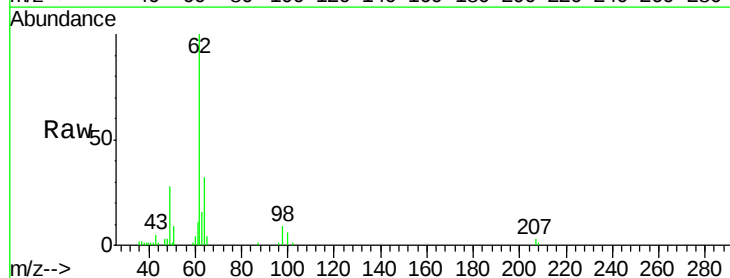
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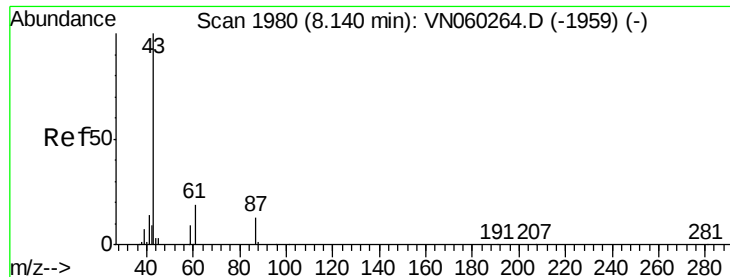
MMDadoda
3/6/2020 11:18:18 AM



#42
1,2-Dichloroethane
Concen: 19.363 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	62	Resp:	58518
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.788 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

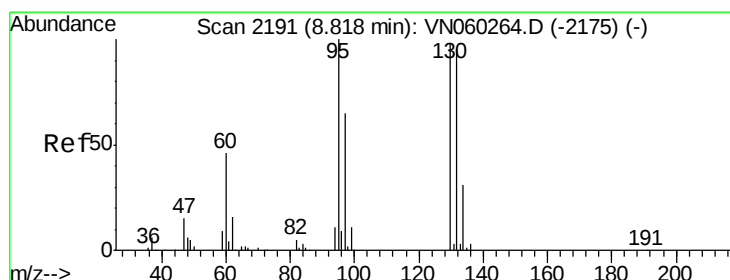
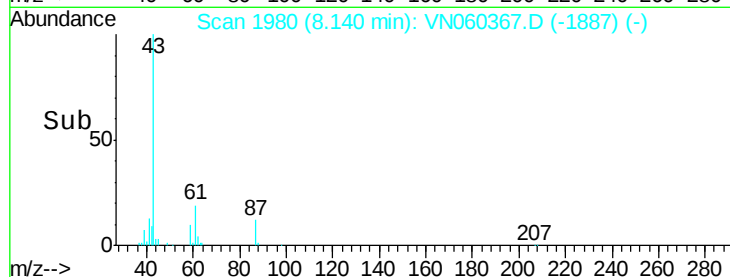
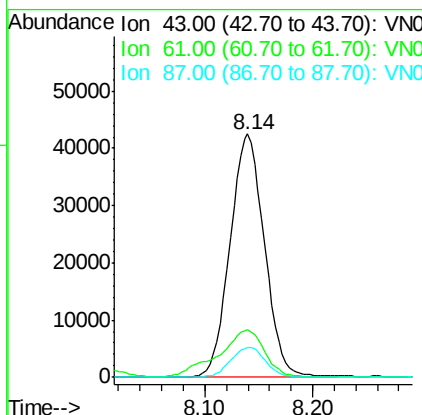
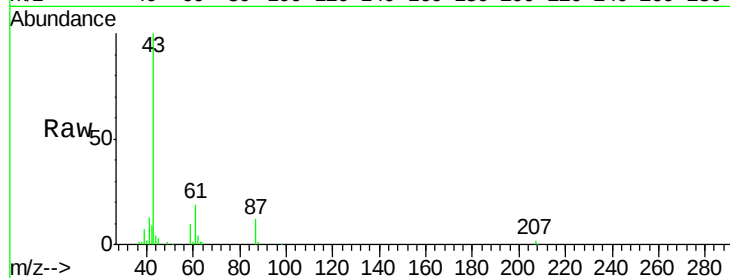
ClientSampleId :

VN0305MBSD01

Tot Ion:	43	Resp:	94383
Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.9	31.3
87	12.3	10.6	16.0

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



#44

Trichloroethene

Concen: 17.889 ug/l

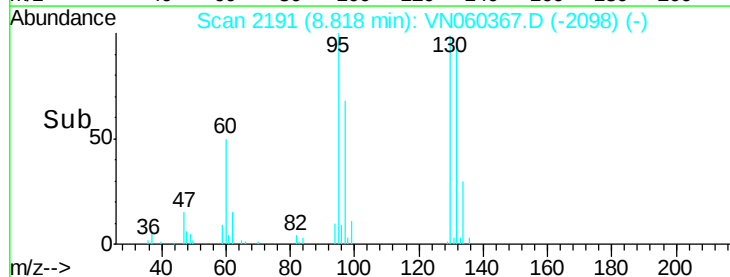
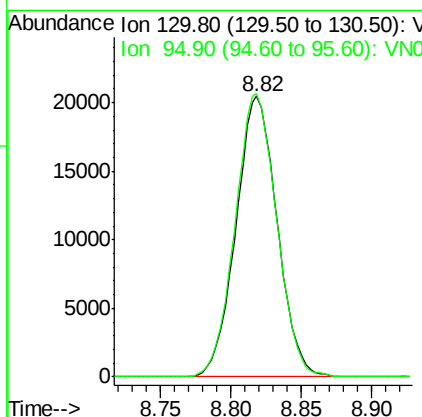
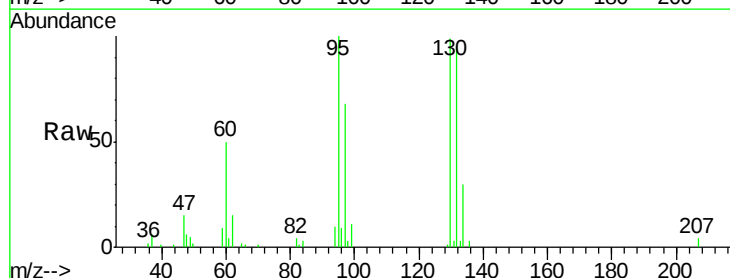
RT: 8.82 min Scan# 2191

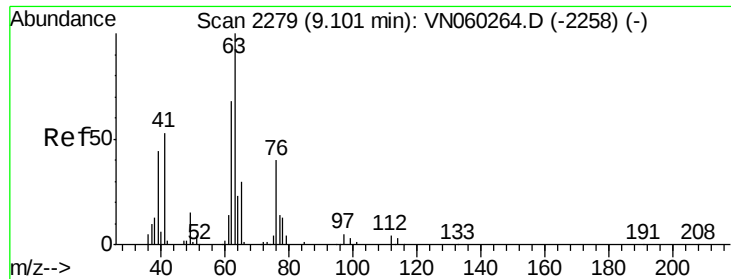
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	130	Resp:	41726
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	203.4





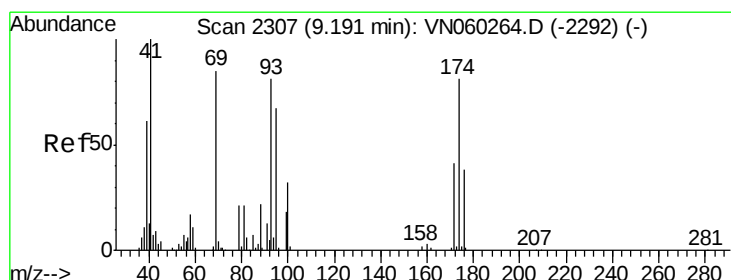
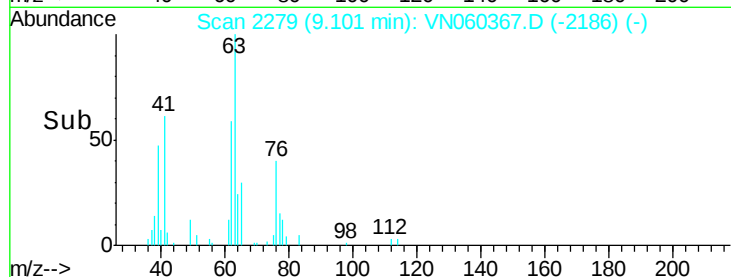
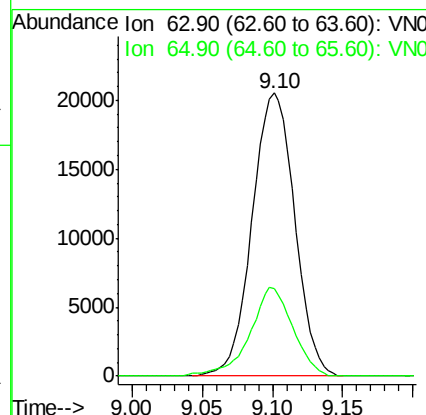
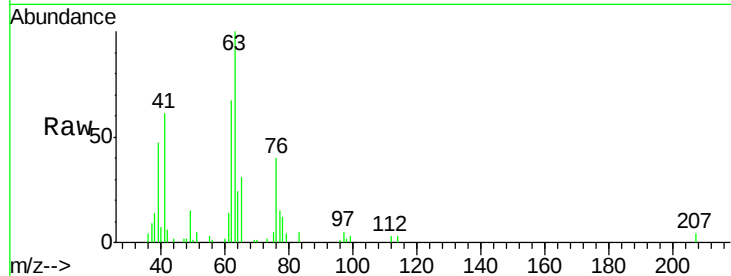
#45
 1,2-Dichloropropane
 Concen: 19.761 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305MBSD01

Tot Ion: 63 Resp: 43269
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6

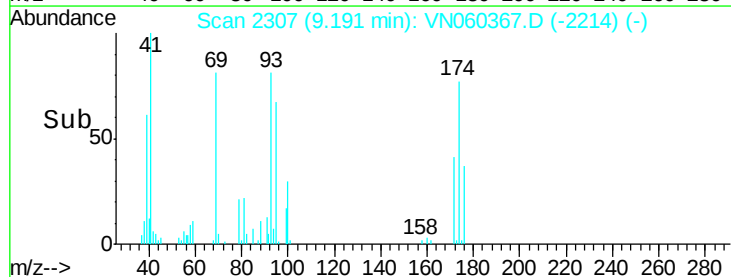
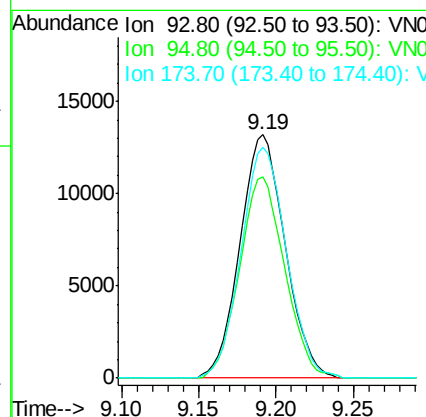
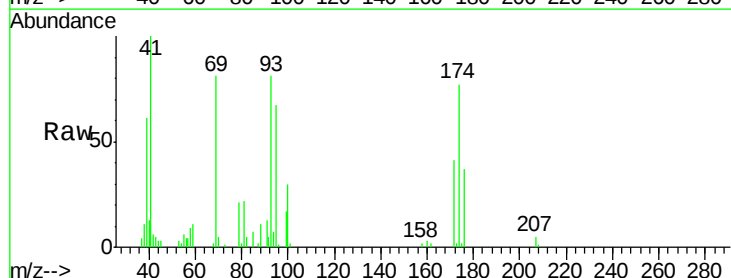
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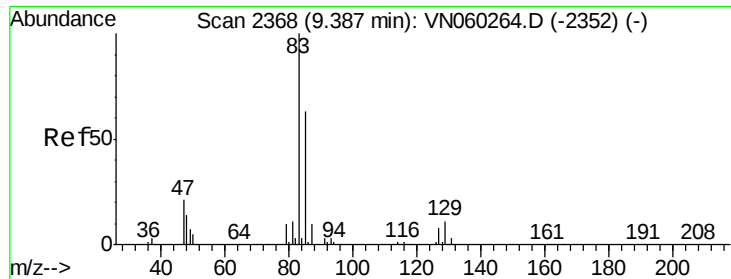
MMDadoda
 3/6/2020 11:18:18 AM



#46
 Dibromomethane
 Concen: 18.885 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion: 93 Resp: 26831
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.9 98.9
 174 95.2 79.6 119.4





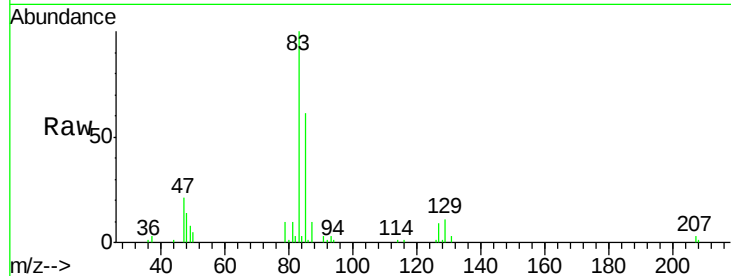
#47
Bromodichloromethane
Concen: 19.364 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	83	Resp	55953
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	50.7	76.1
127	9.0	6.8	10.2

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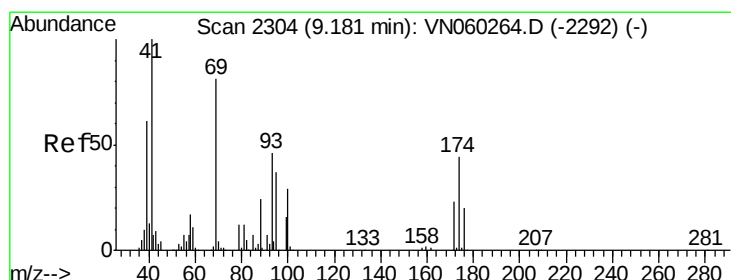
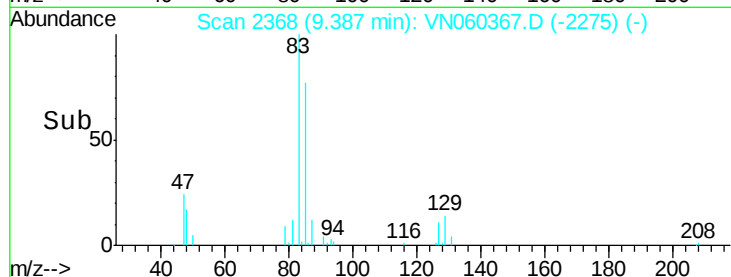
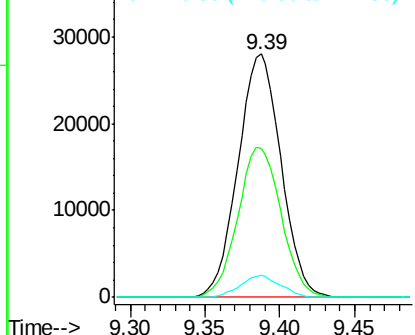
MMDadoda
3/6/2020 11:18:18 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060367.D (-2275) (-)

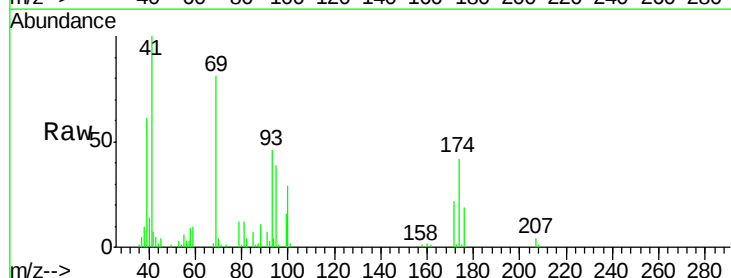
Ion 84.90 (84.60 to 85.60): VN060367.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060367.D (-2275) (-)



#48
Methyl methacrylate
Concen: 18.602 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

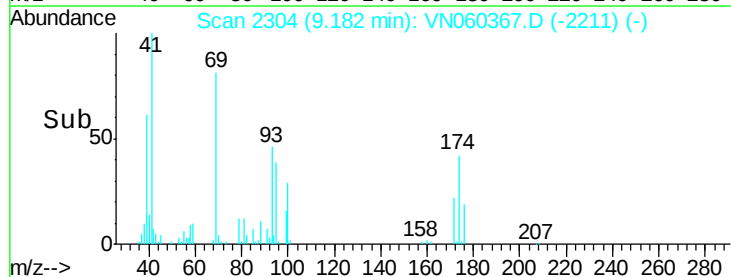
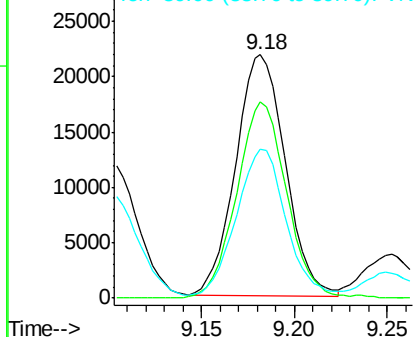
Tgt Ion	41	Resp	40460
Ion Ratio	100	Lower	Upper
41	100		
69	82.0	66.7	100.1
39	62.9	50.1	75.1

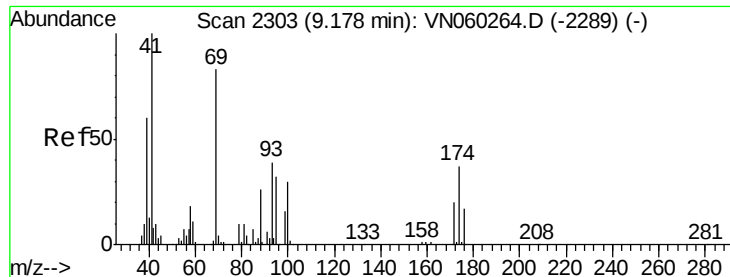


Abundance Ion 41.00 (40.70 to 41.70): VN060367.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060367.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060367.D (-2211) (-)





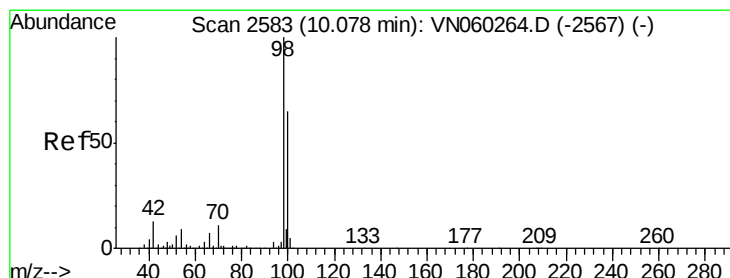
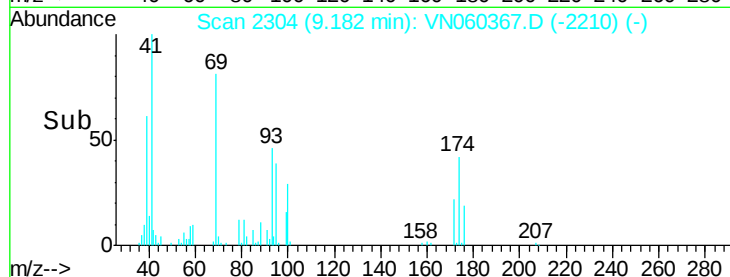
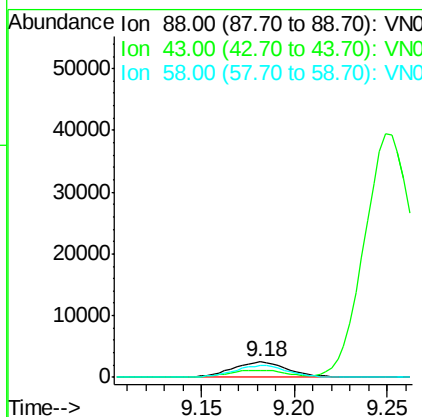
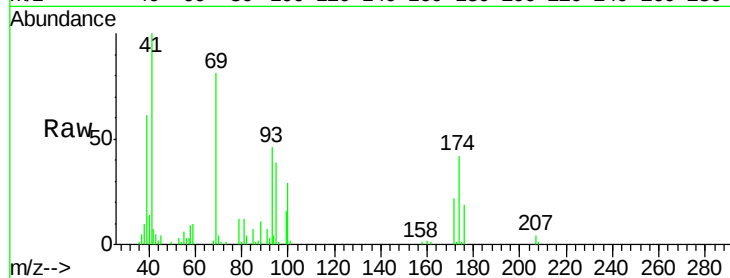
#49
1,4-Dioxane
Concen: 168.828 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	88	Resp	5164
Ion	Ratio	Lower	Upper
88	100		
43	48.5	30.4	45.6#
58	74.1	57.0	85.6

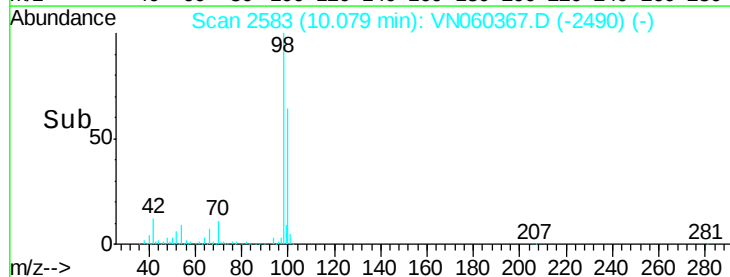
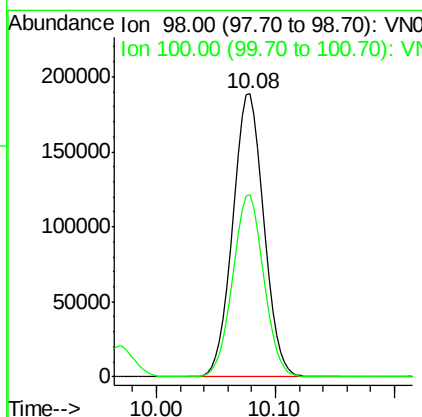
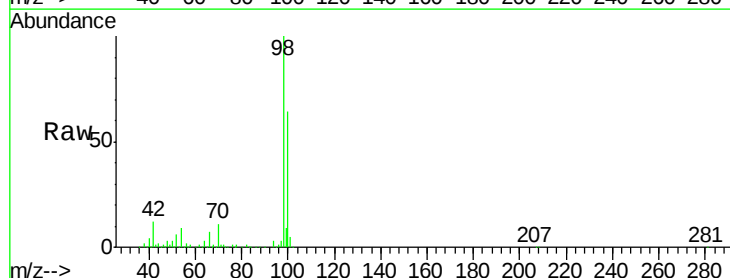
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#50
Toluene-d8
Concen: 48.163 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	98	Resp	341599
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





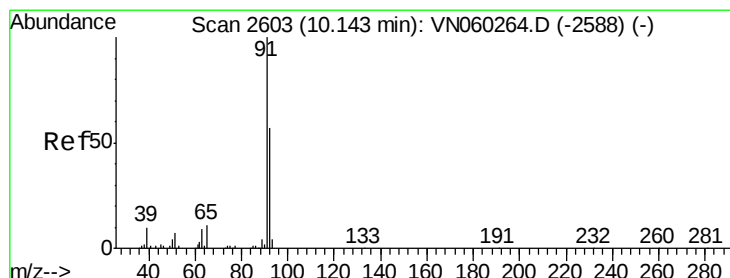
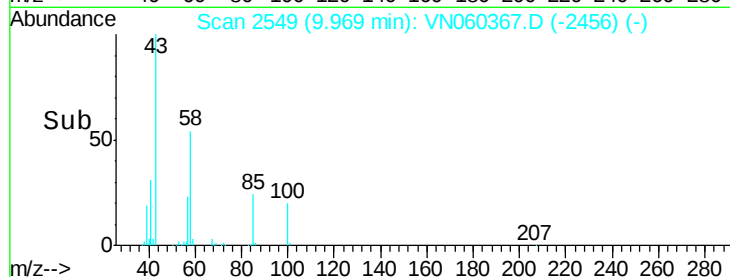
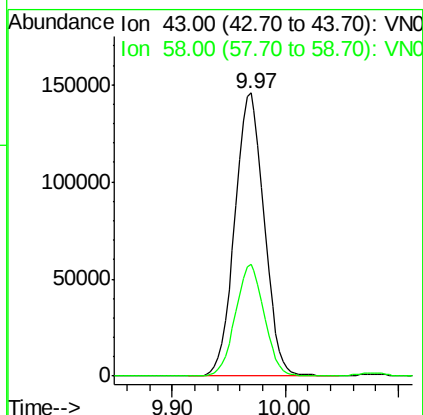
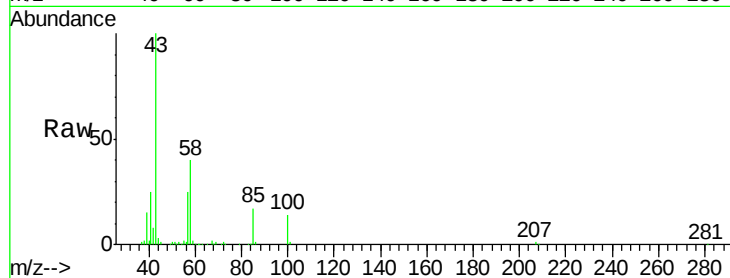
#51
4-Methyl-2-Pentanone
Concen: 97.576 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.9	46.3

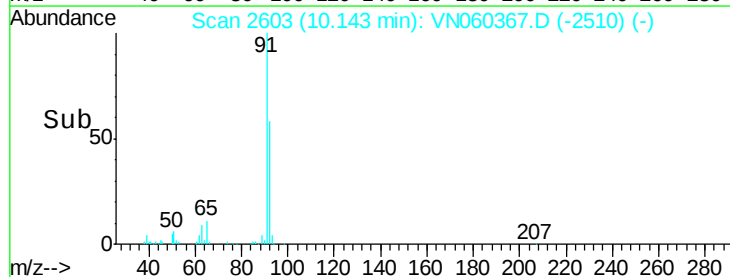
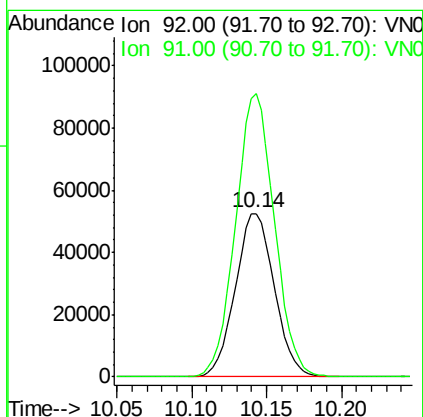
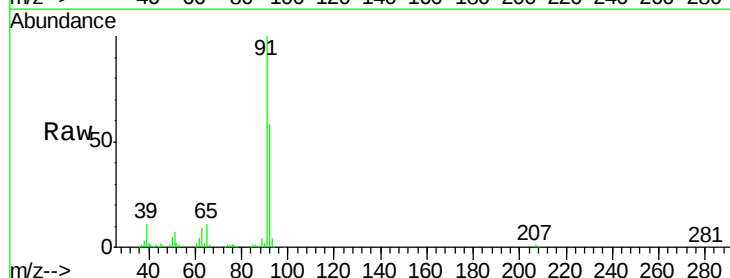
Manual Integrations
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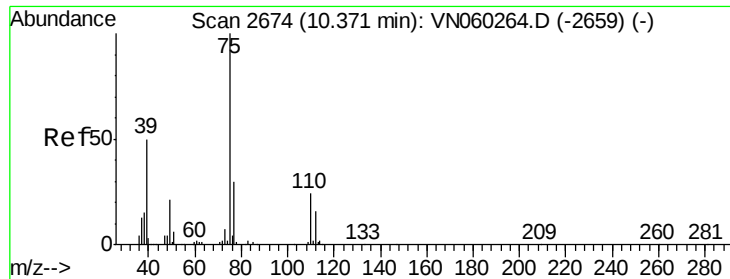
MMDadoda
3/6/2020 11:18:18 AM



#52
Toluene
Concen: 18.093 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.1	207.1





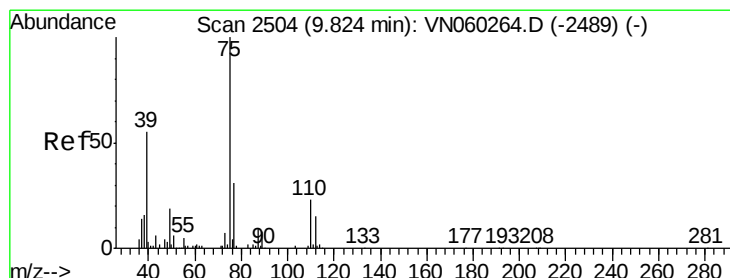
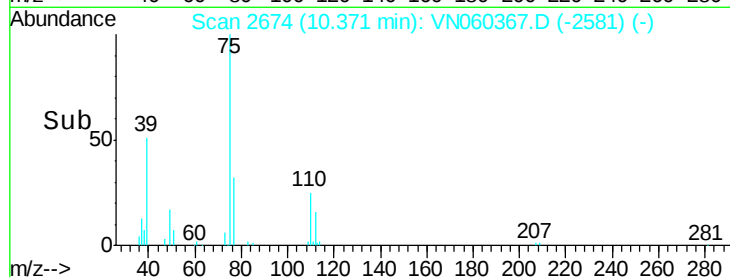
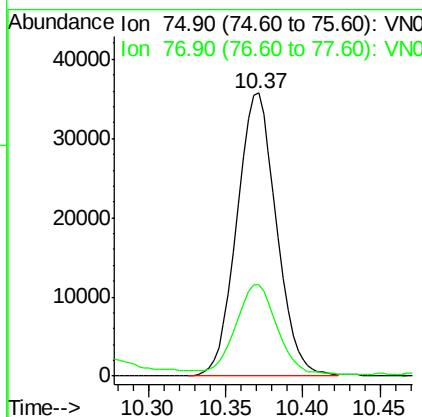
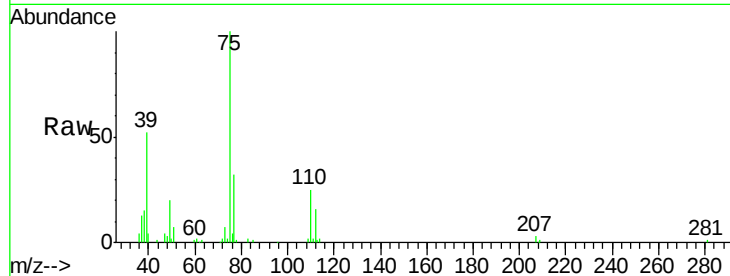
#53
t-1,3-Dichloropropene
Concen: 18.000 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

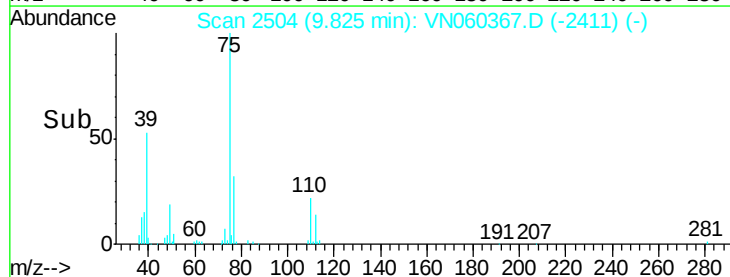
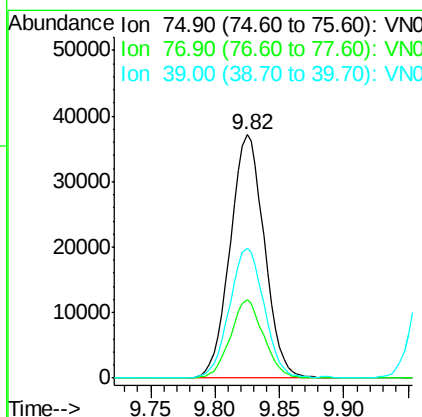
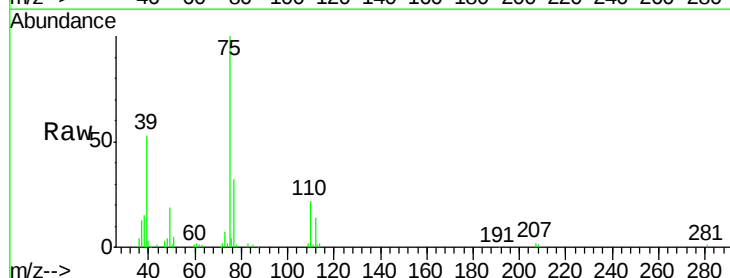
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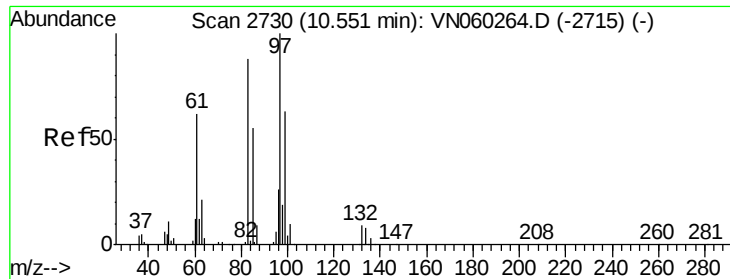
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.664 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	53.5	43.8	65.8





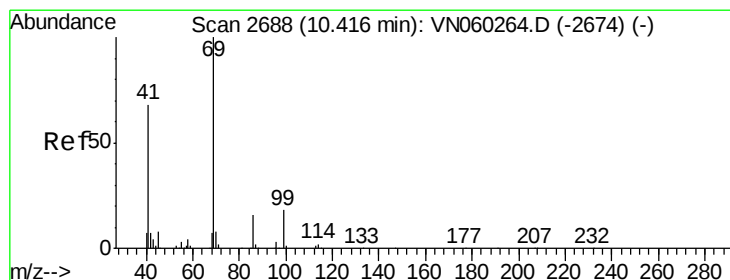
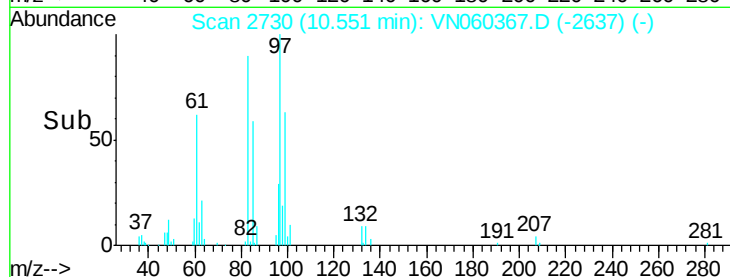
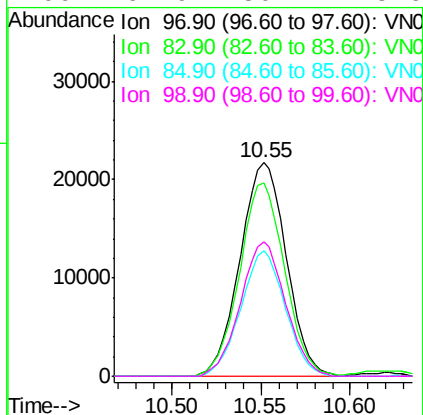
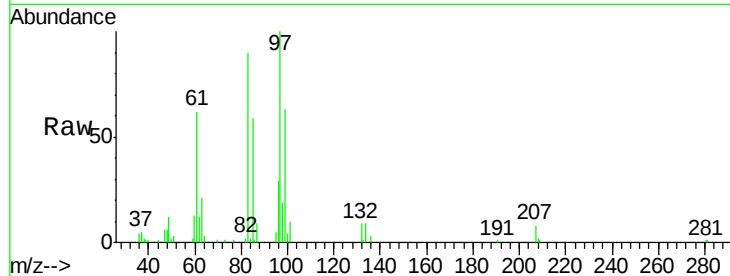
#55
 1,1,2-Trichloroethane
 Concen: 18.654 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.0	105.0
85	58.8	44.0	66.0
99	62.9	50.4	75.6

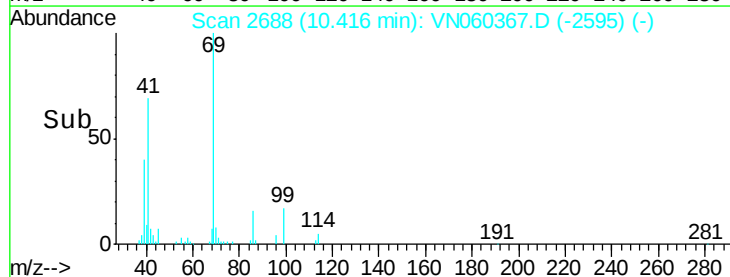
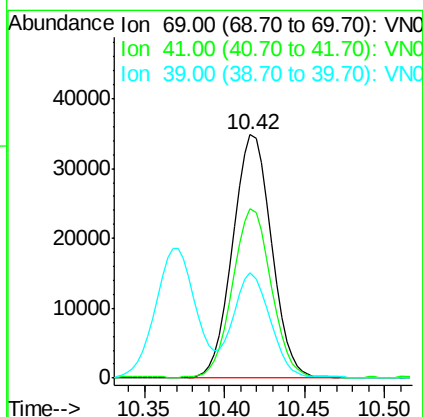
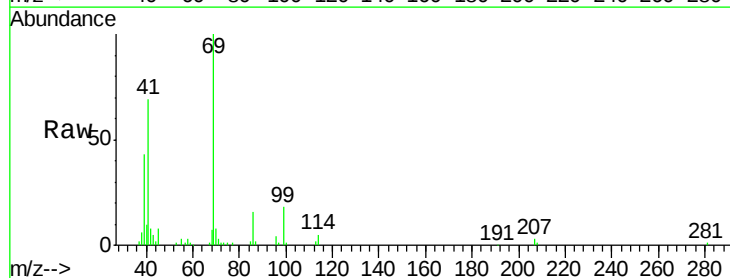
Manual Integrations
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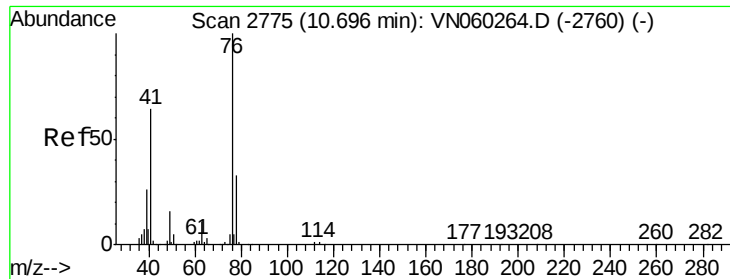
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 3/6/2020 11:18:18 AM



#56
 Ethyl methacrylate
 Concen: 18.977 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.1	81.1
39	42.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.619 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion: 76 Resp: 67689

Ion Ratio Lower Upper

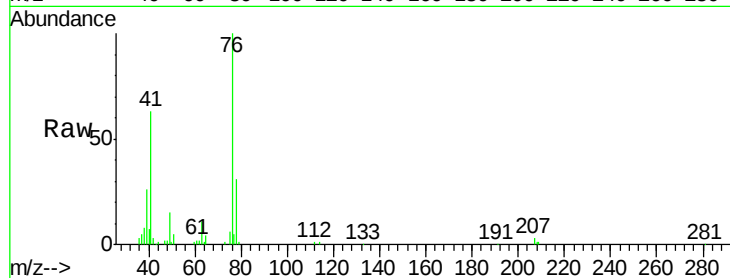
76 100

78 31.5 26.2 39.2

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

40000

30000

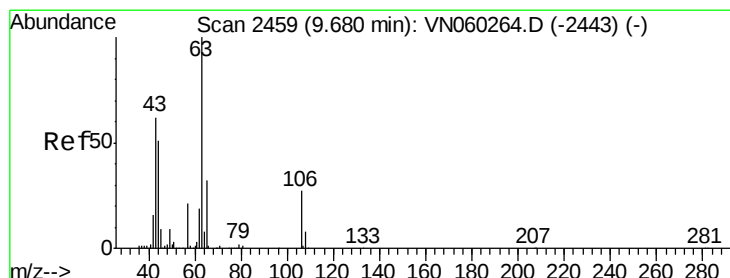
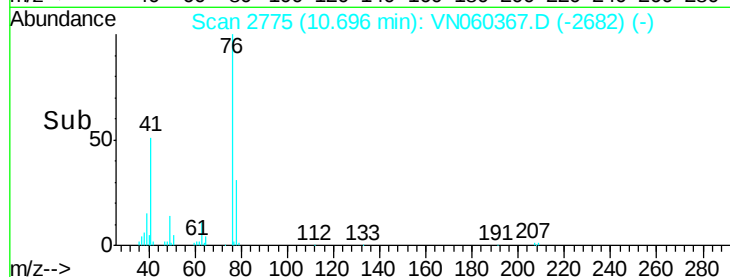
20000

10000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 94.848 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060367.D

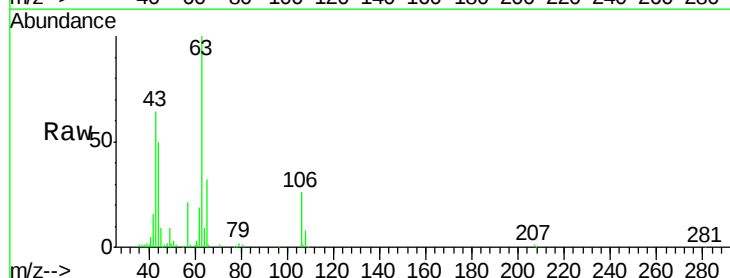
Acq: 5 Mar 2020 15:39

Tgt Ion: 63 Resp: 150770

Ion Ratio Lower Upper

63 100

106 25.9 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

100000

80000

60000

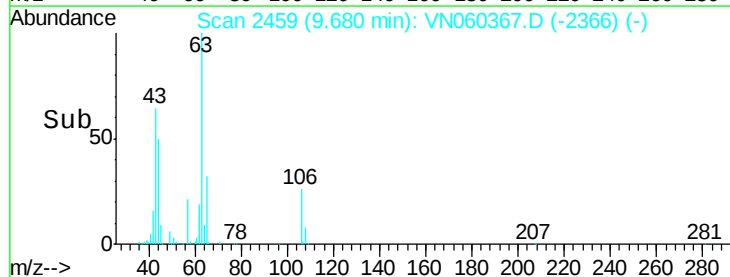
40000

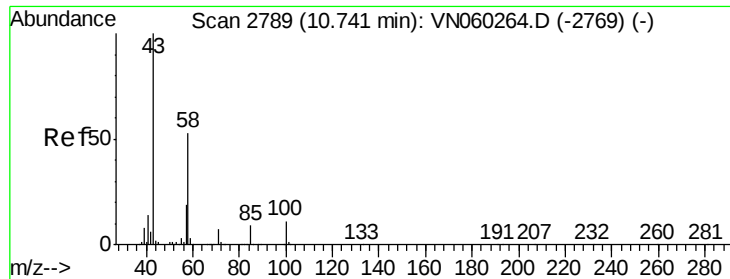
20000

0

Time-->

9.60 9.65 9.70 9.75 9.80





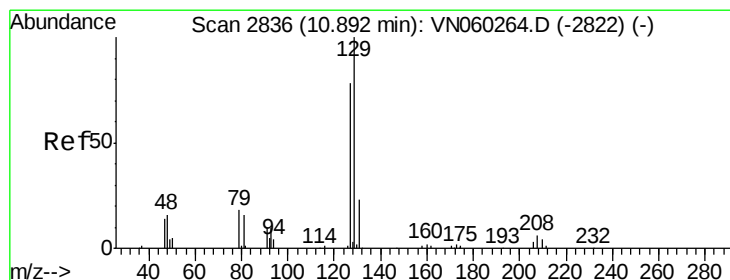
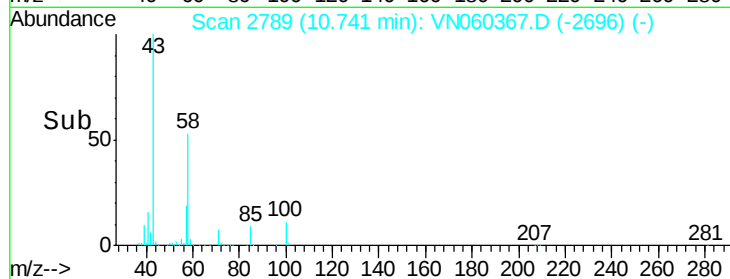
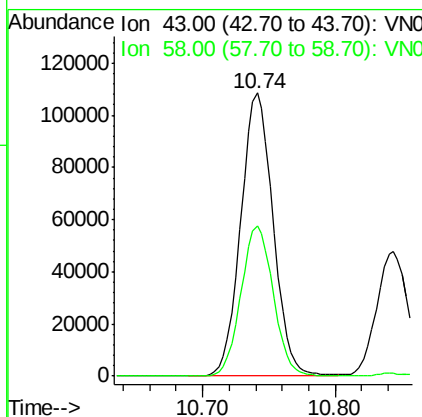
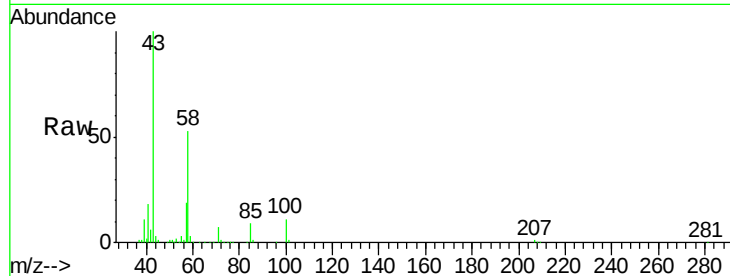
#59
2-Hexanone
Concen: 92.655 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion: 43 Resp: 183977
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5

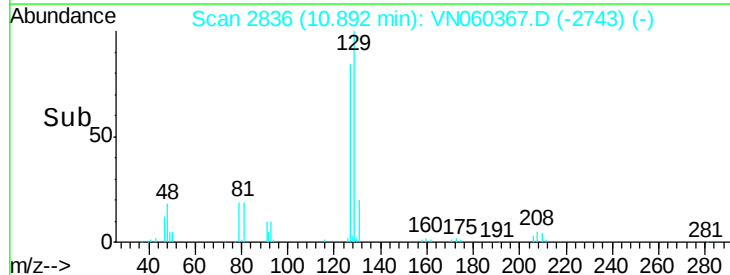
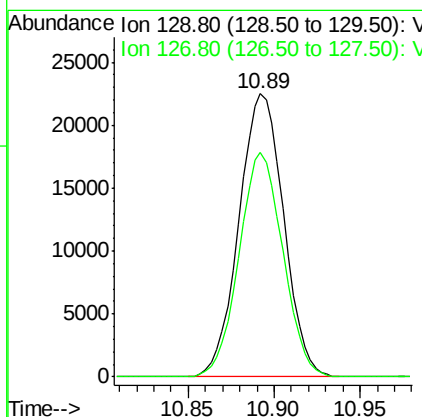
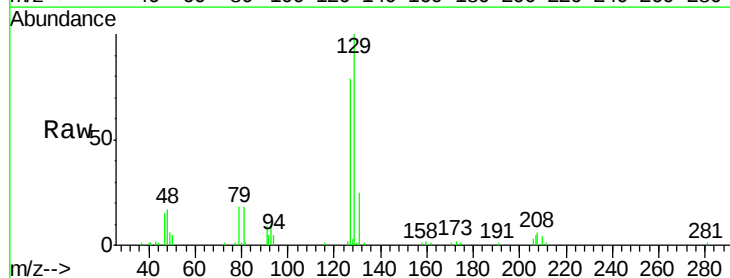
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.913 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion: 129 Resp: 40690
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





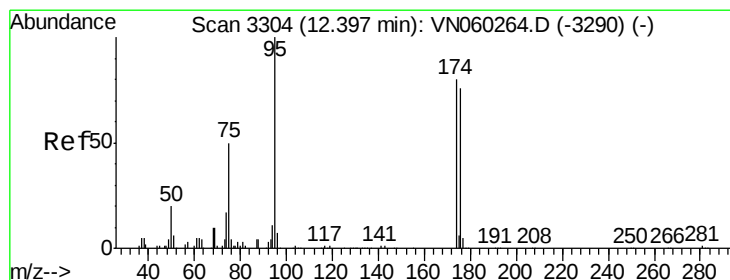
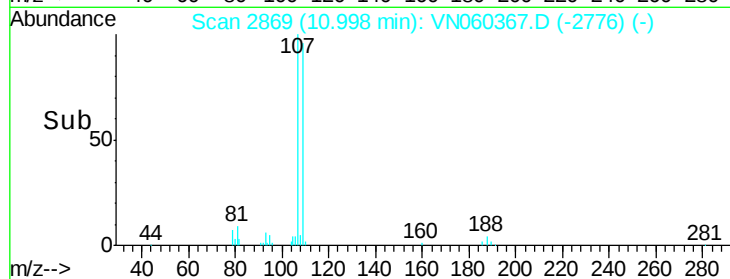
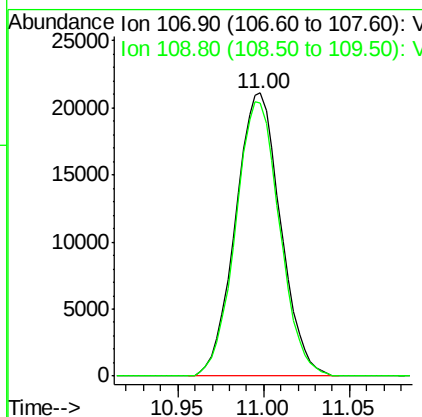
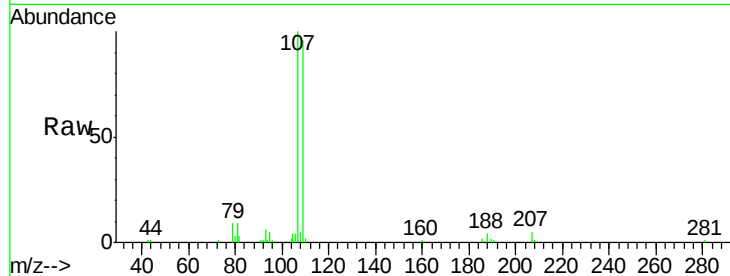
#61
 1,2-Dibromoethane
 Concen: 18.659 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.8	115.2

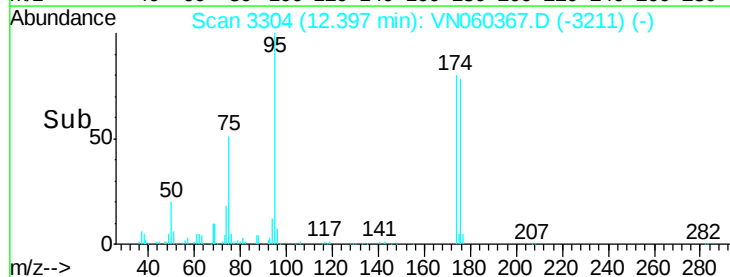
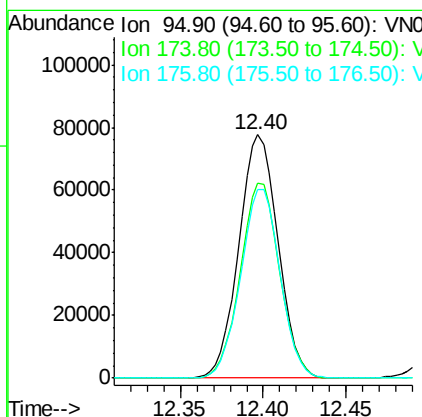
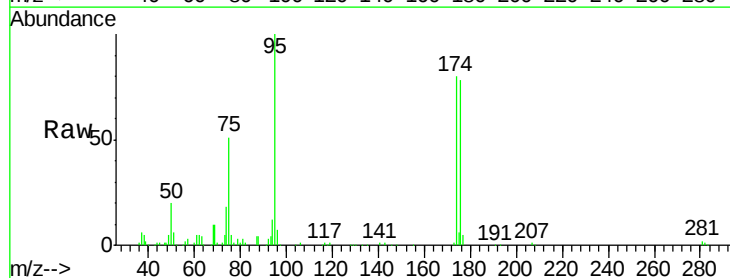
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#62
 4-Bromofluorobenzene
 Concen: 47.607 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

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





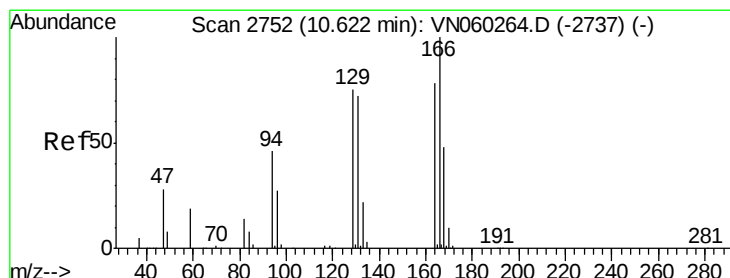
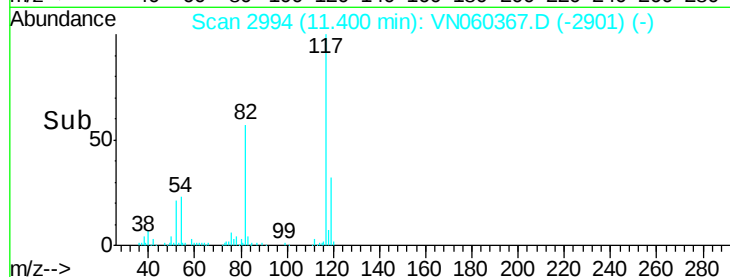
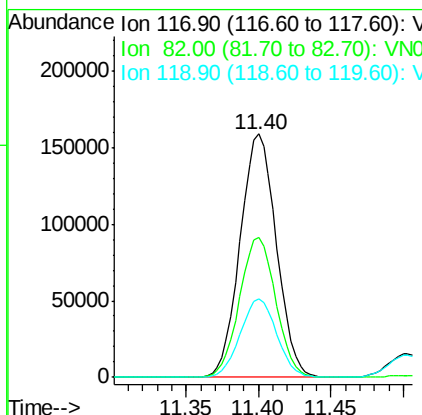
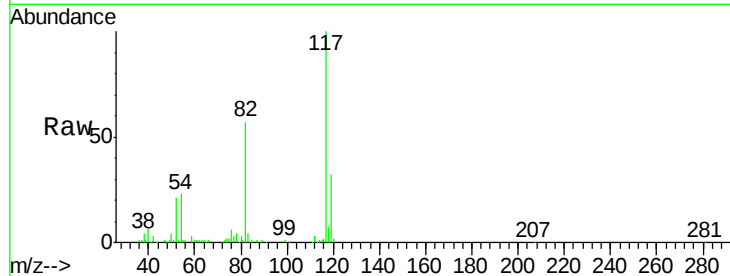
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

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

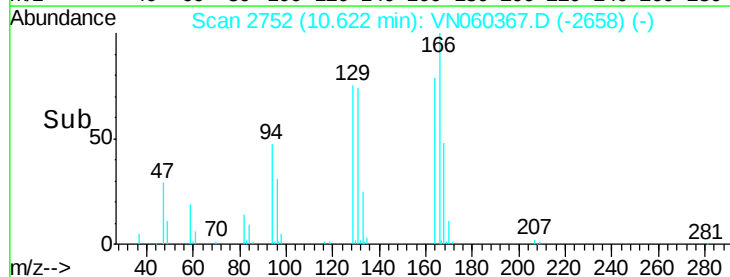
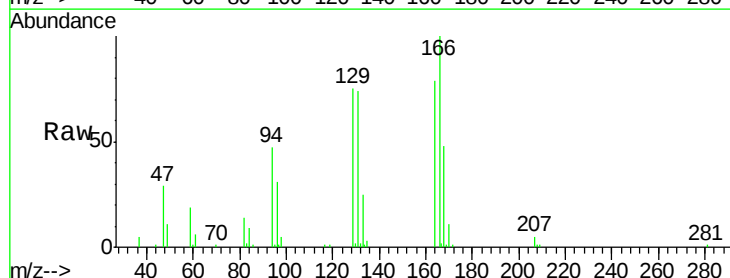
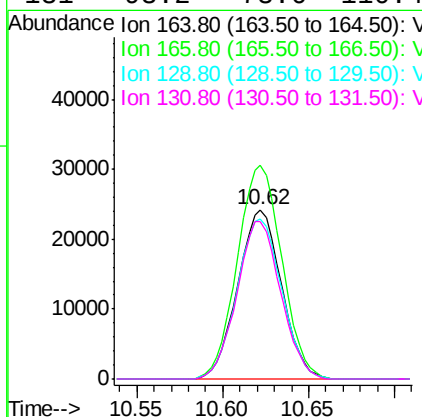
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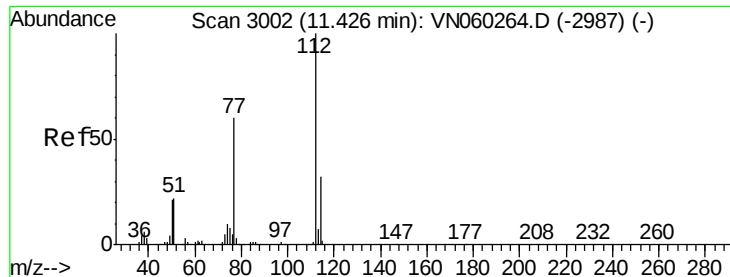
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#64
Tetrachloroethene
Concen: 18.659 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.0	153.0
129	94.8	76.4	114.6
131	93.2	73.6	110.4





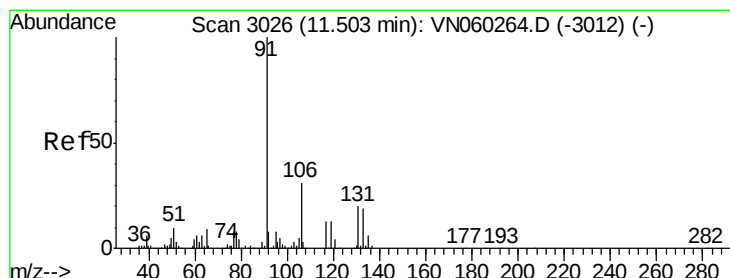
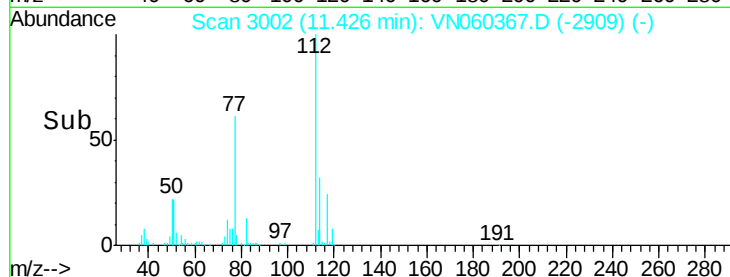
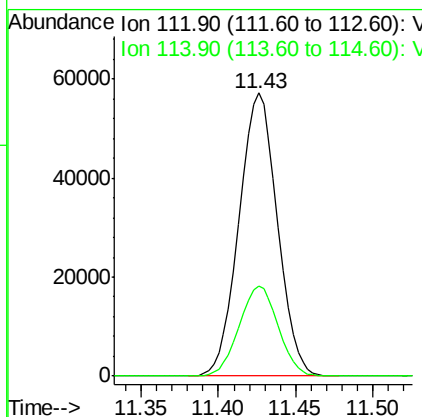
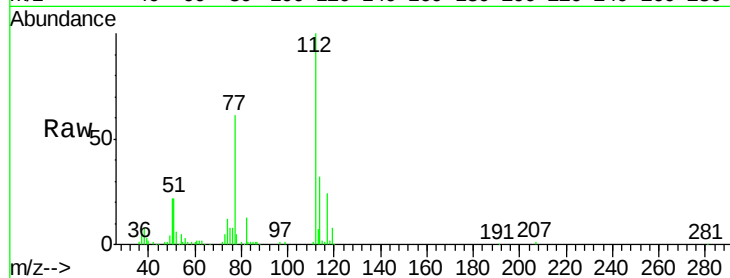
#65
Chlorobenzene
Concen: 17.615 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion:112 Resp: 98657
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

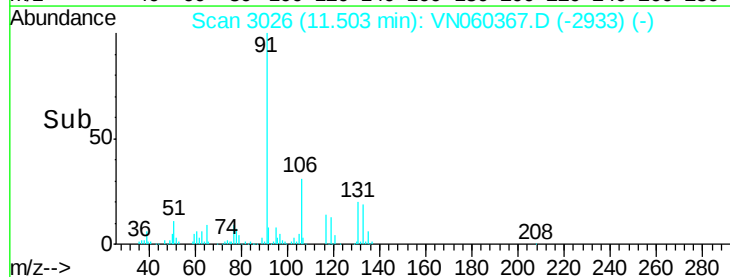
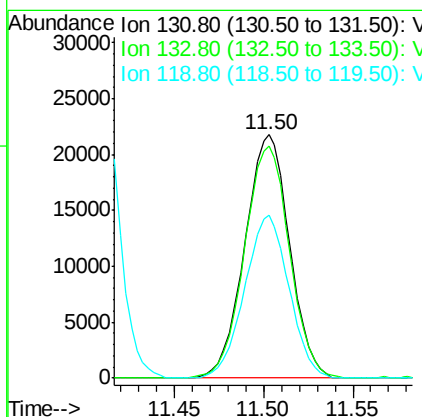
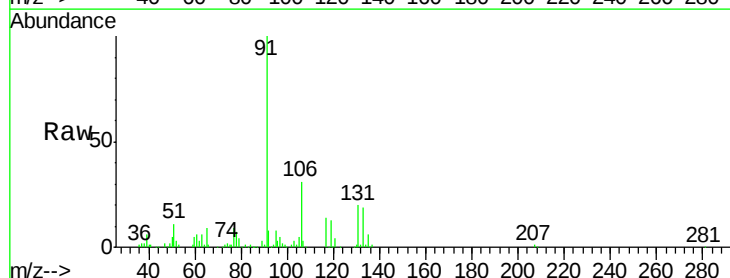
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.418 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion:131 Resp: 38141
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 66.3 33.2 99.6





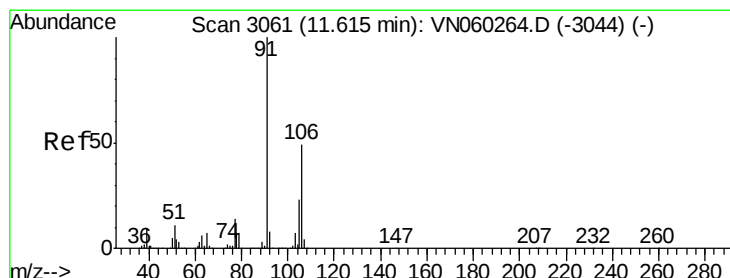
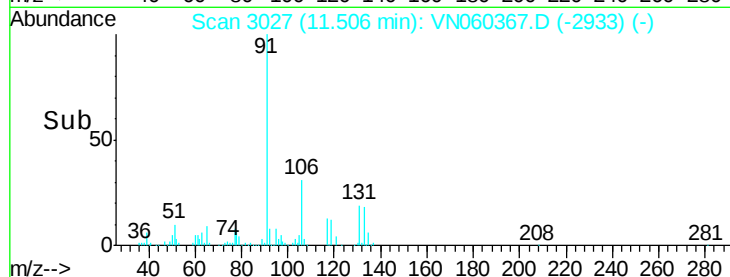
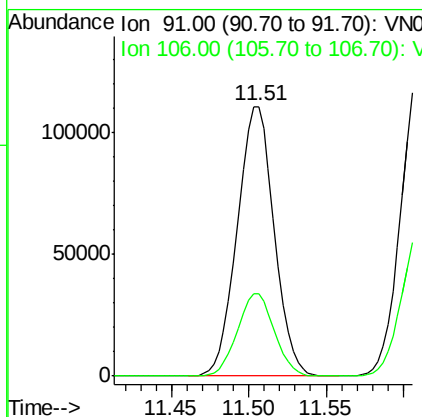
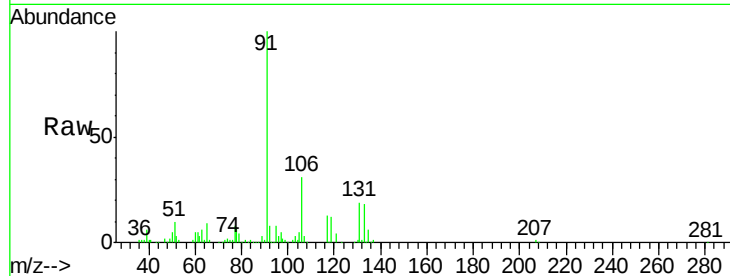
#67
Ethyl Benzene
Concen: 17.970 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion: 91 Resp: 183281
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1

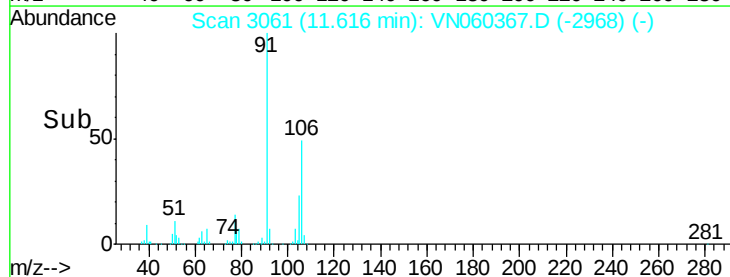
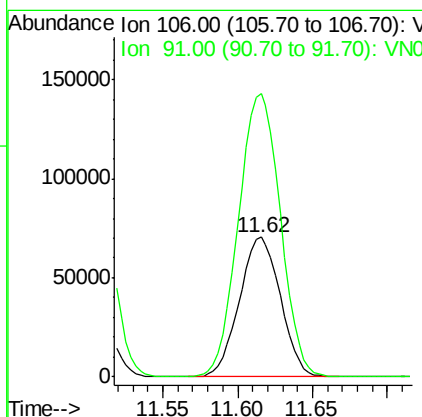
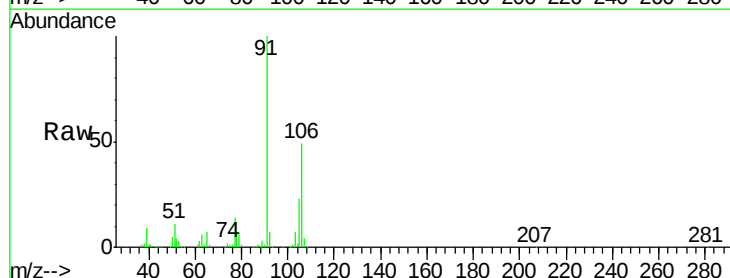
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#68
m/p-Xylenes
Concen: 34.992 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion: 106 Resp: 134655
Ion Ratio Lower Upper
106 100
91 207.1 164.5 246.7





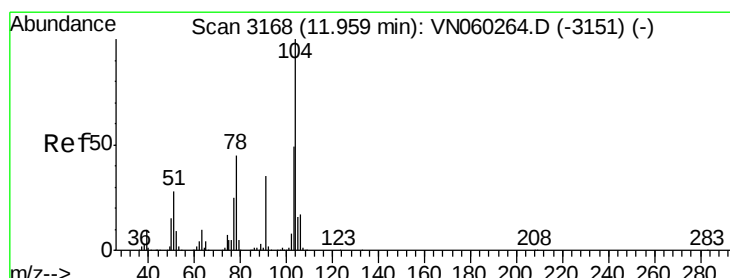
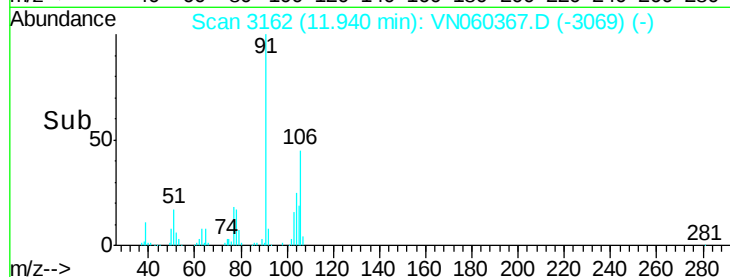
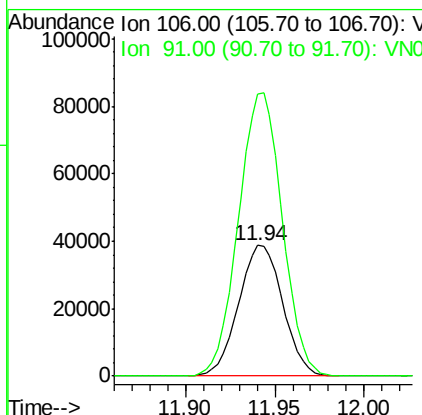
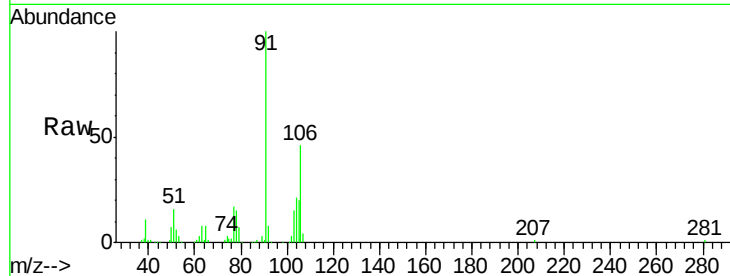
#69
o-Xylene
Concen: 18.218 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.9	109.5	328.4	

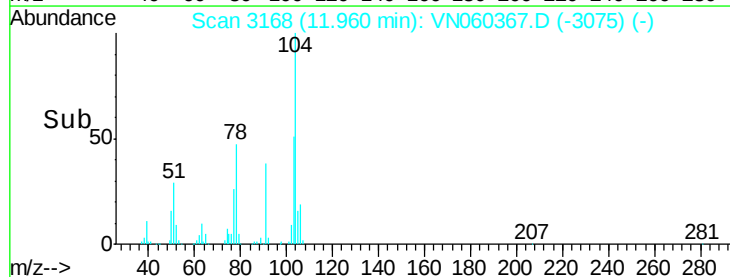
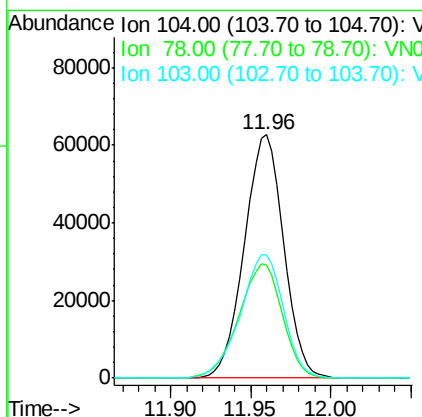
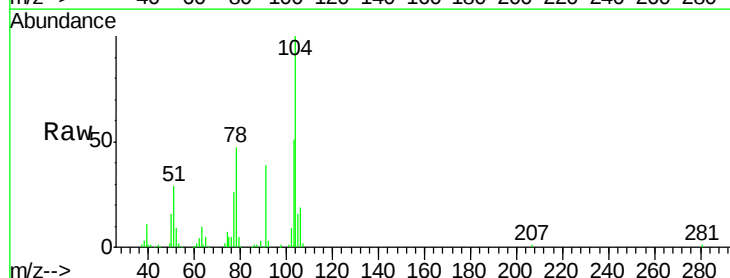
Manual Integrations
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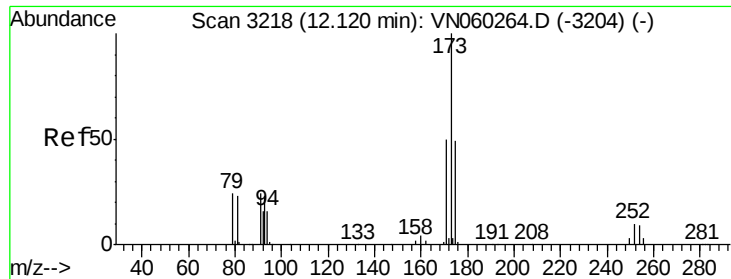
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#70
Styrene
Concen: 17.503 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.0	41.2	61.8	
103	55.5	43.9	65.9	





#71

Bromoform

Concen: 19.102 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

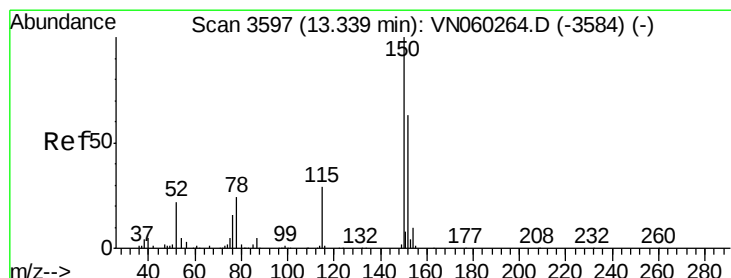
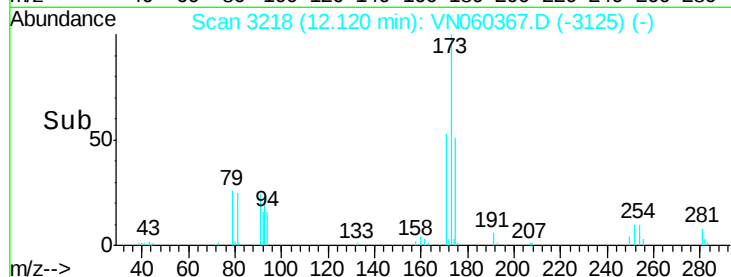
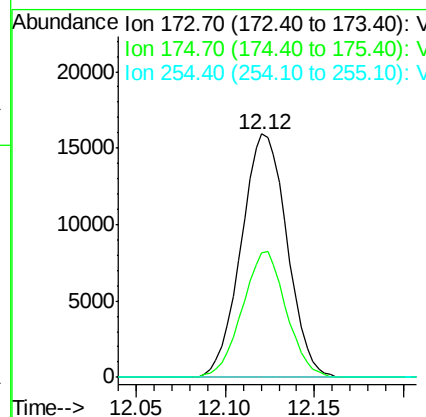
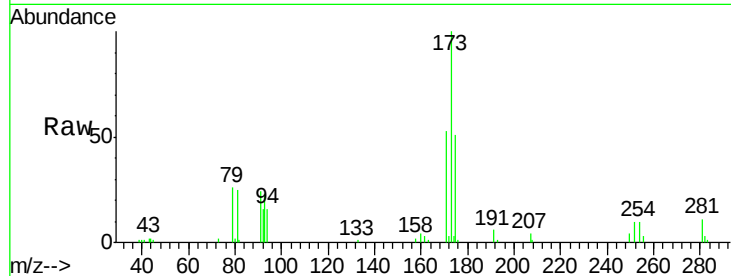
ClientSampleId :

VN0305MBSD01

Tot Ion:	173	Resp:	28509
Ion Ratio	Lower	Upper	
173	100		
175	49.4	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

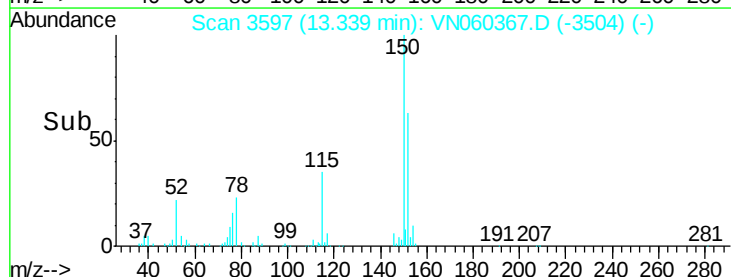
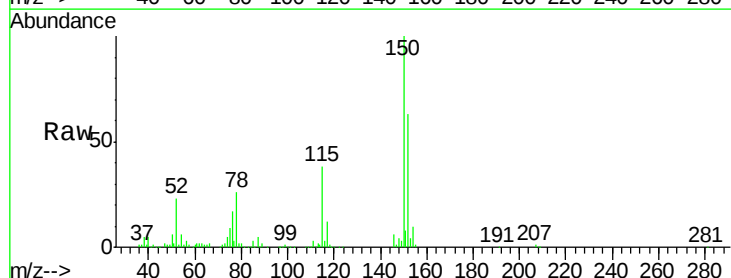
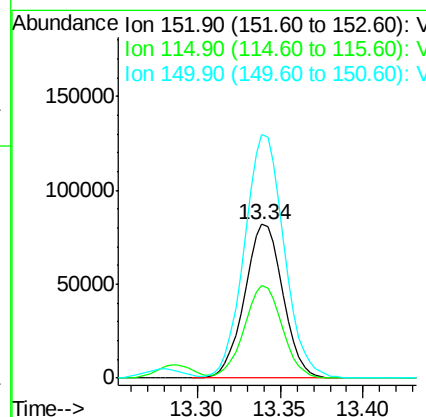
RT: 13.34 min Scan# 3597

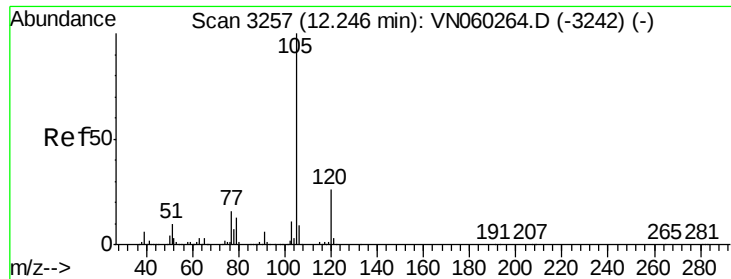
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	152	Resp:	131730
Ion Ratio	Lower	Upper	
152	100		
115	59.7	30.0	90.0
150	164.3	0.0	349.6





#73

Isopropylbenzene

Concen: 18.046 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBS01

Tot Ion: 105 Resp: 176197

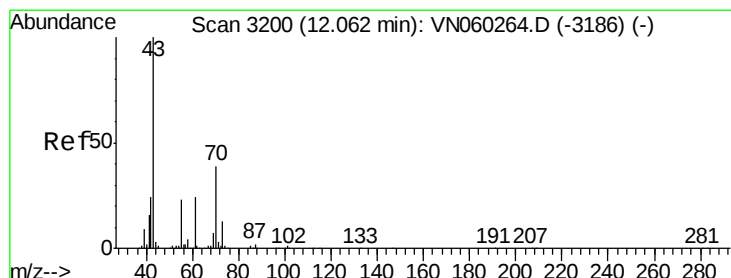
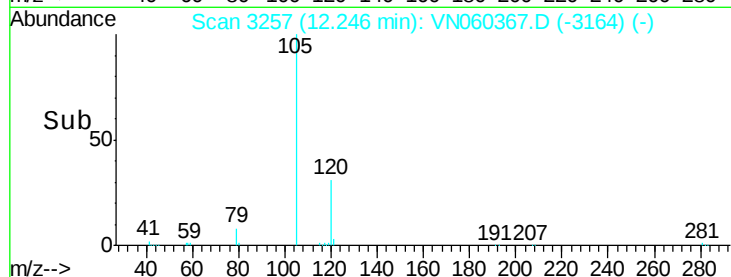
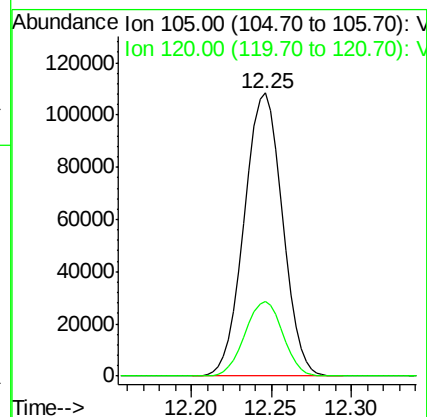
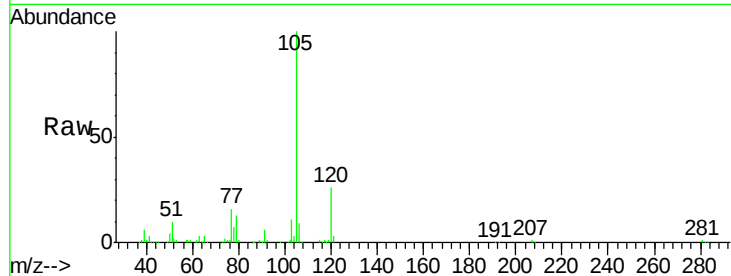
Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9

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#74

N-ethyl acetate

Concen: 18.777 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion: 43 Resp: 80110

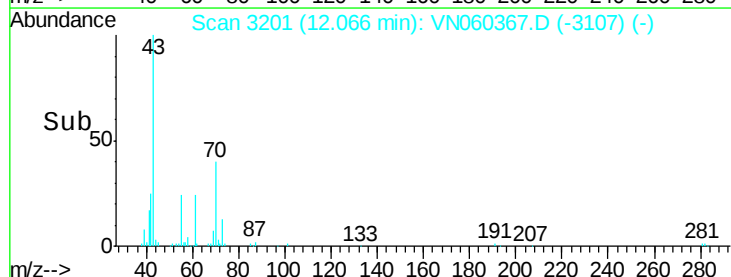
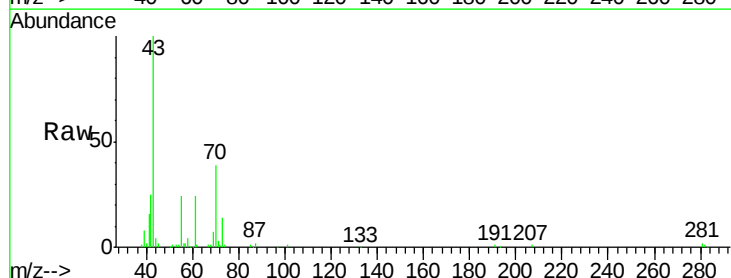
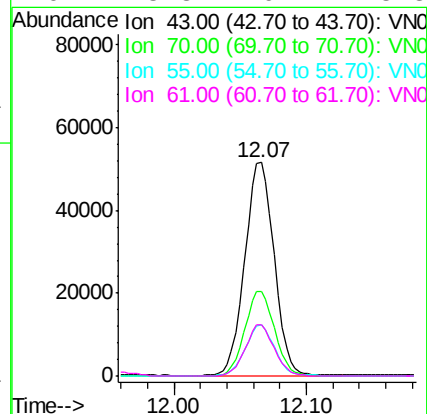
Ion Ratio Lower Upper

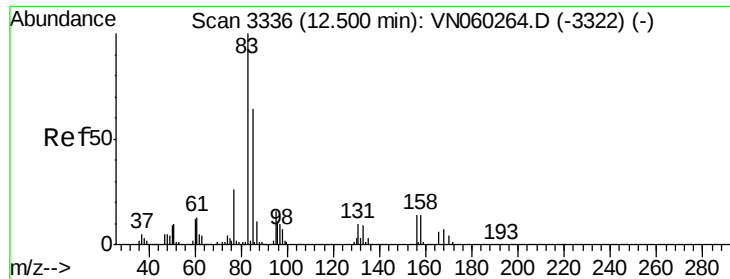
43 100

70 39.5 32.2 48.2

55 23.5 18.2 27.4

61 23.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.377 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

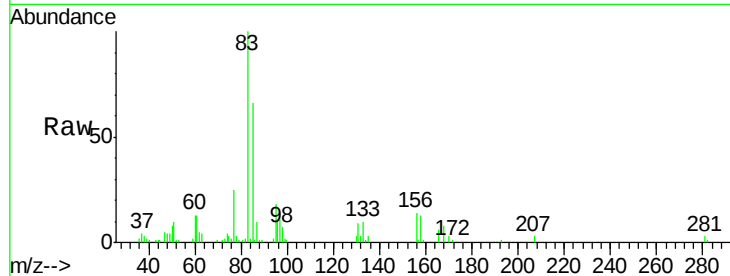
ClientSampleId :

VN0305MBSD01

Tot Ion:	83	Resp:	51427
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	65.1	32.3	96.8

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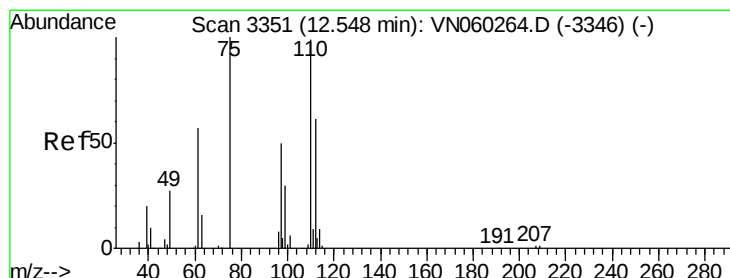
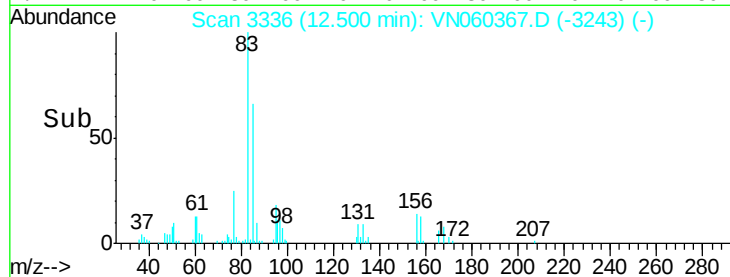
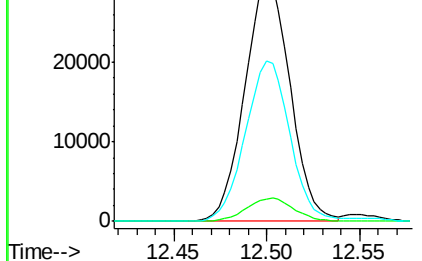


Abundance Ion 82.90 (82.60 to 83.60): VN060367.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060367.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060367.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 16.488 ug/l m

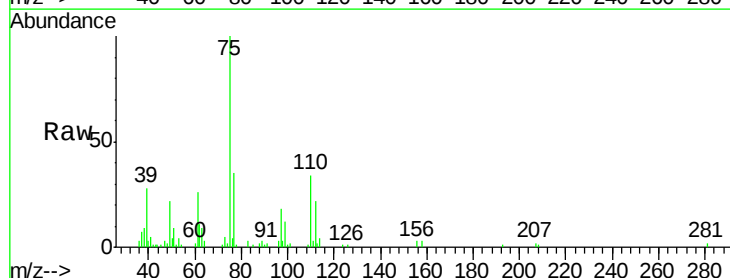
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

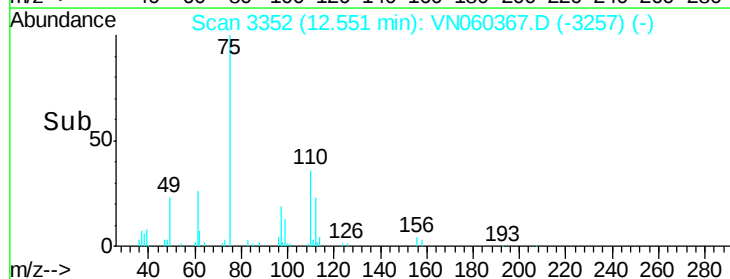
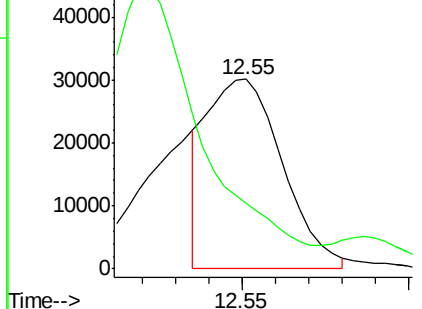
Tgt Ion:	75	Resp:	47652
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

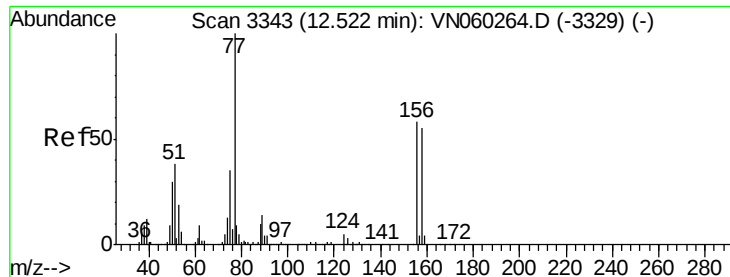


Abundance Ion 74.90 (74.60 to 75.60): VN060367.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060367.D (-3346) (-)

Time-->





#77

Bromobenzene

Concen: 18.240 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion:156 Resp: 43655

Ion Ratio Lower Upper

156 100

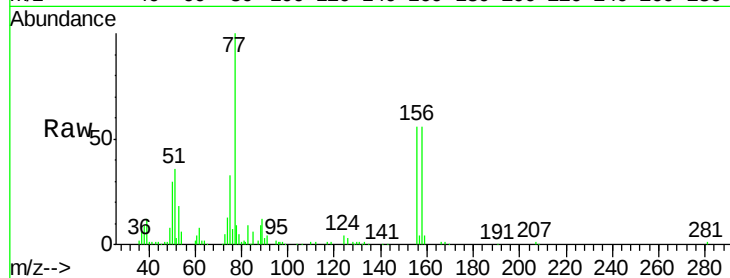
77 213.8 106.1 318.3

158 96.8 48.3 144.8

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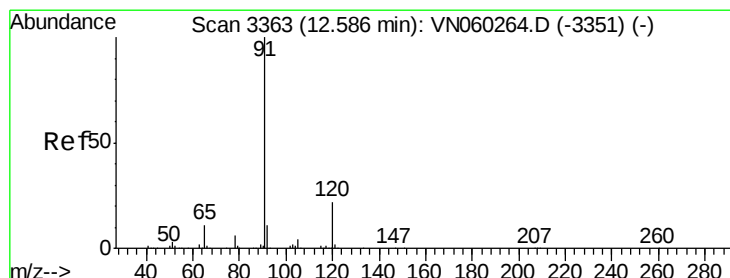
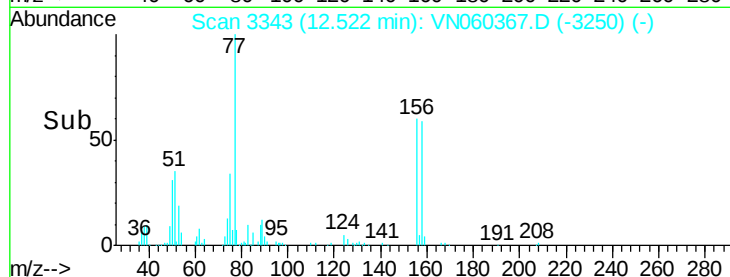
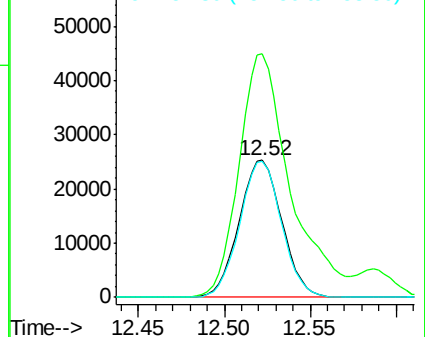
3/6/2020 11:18:18 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.625 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060367.D

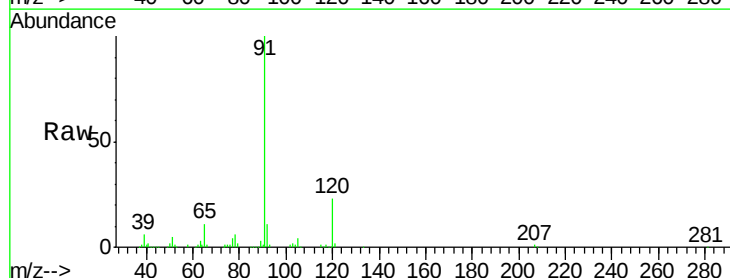
Acq: 5 Mar 2020 15:39

Tgt Ion: 91 Resp: 201714

Ion Ratio Lower Upper

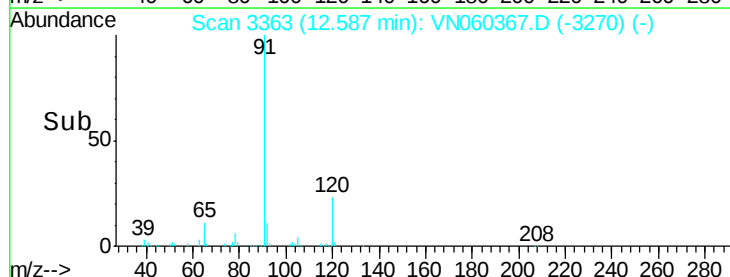
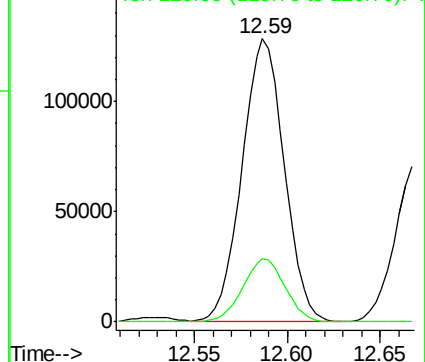
91 100

120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.010 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion: 91 Resp: 121165

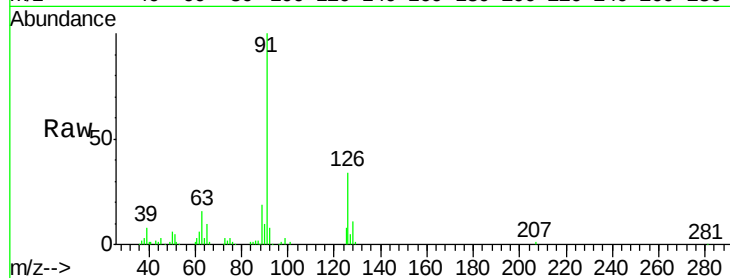
Ion Ratio Lower Upper

91 100

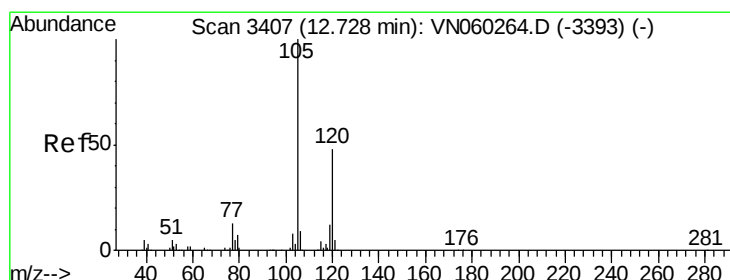
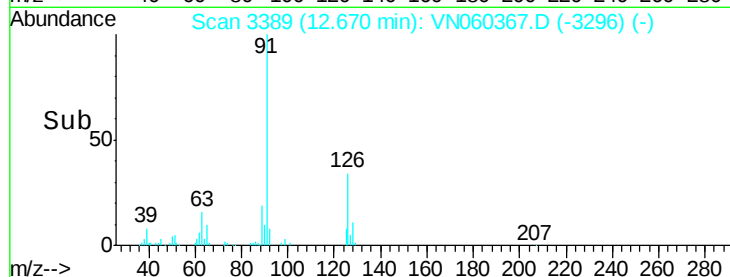
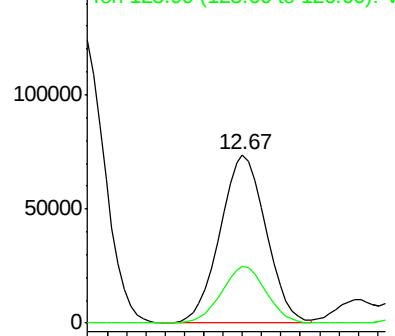
126 32.8 16.6 49.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.666 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060367.D

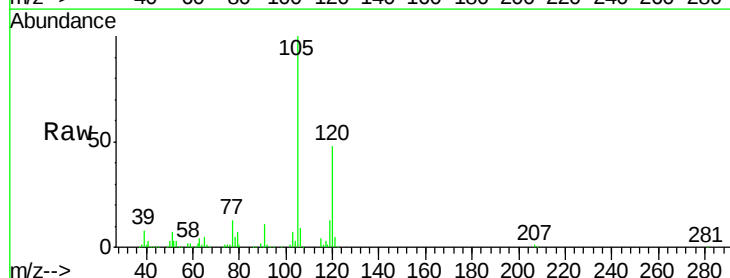
Acq: 5 Mar 2020 15:39

Tgt Ion: 105 Resp: 145221

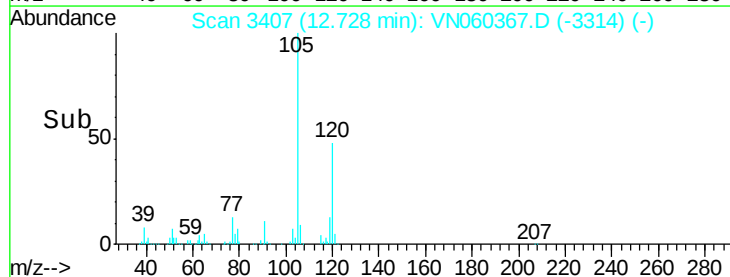
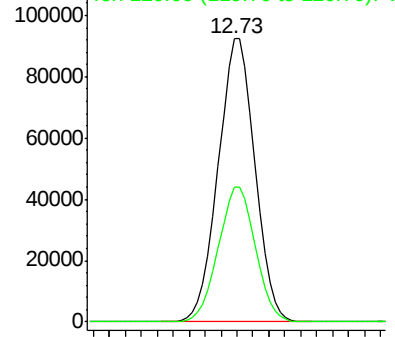
Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.474 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

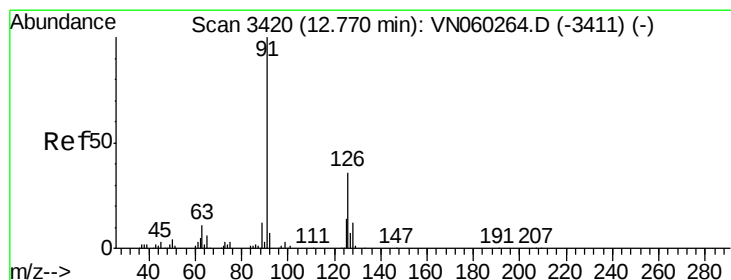
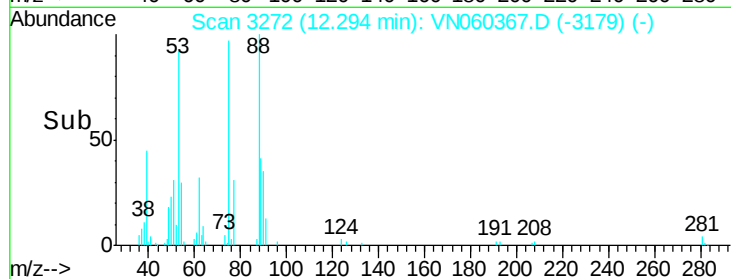
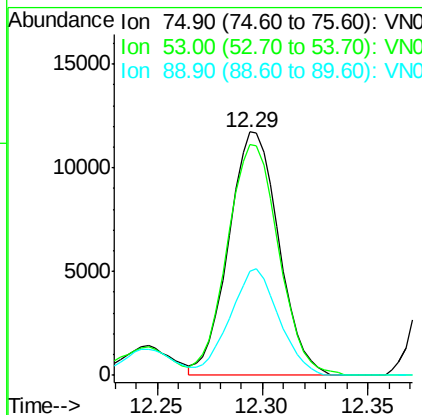
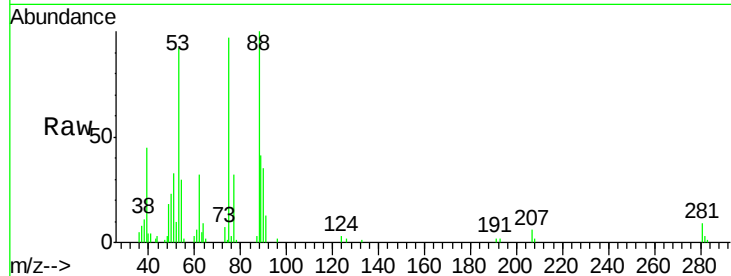
ClientSampleId :

VN0305MBSD01

Tot Ion:	75	Resp:	19342
Ion Ratio	Lower	Upper	
75	100		
53	97.2	73.8	110.6
89	43.2	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 17.661 ug/l

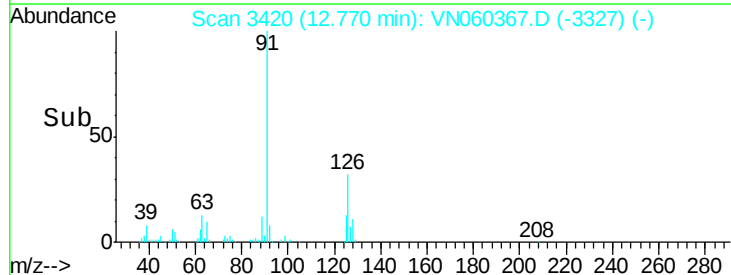
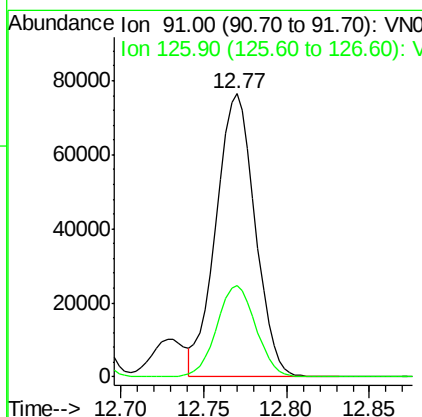
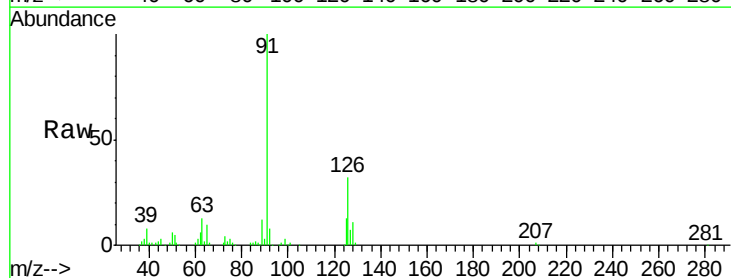
RT: 12.77 min Scan# 3420

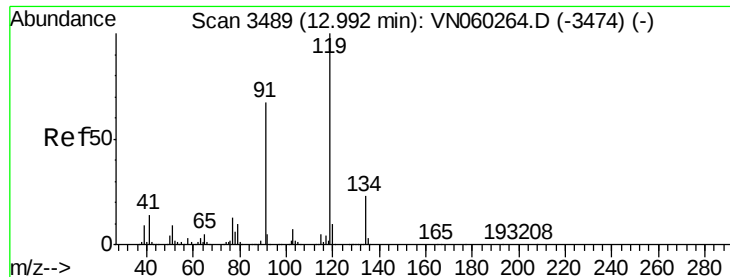
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	91	Resp:	125184
Ion Ratio	Lower	Upper	
91	100		
126	32.1	16.7	50.1





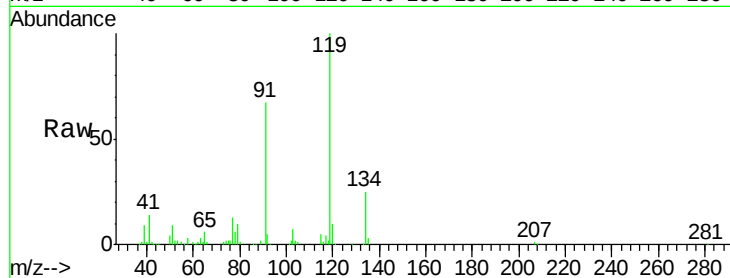
#83
tert-Butylbenzene
Concen: 17.178 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.1	99.2
134	25.2	12.4	37.0

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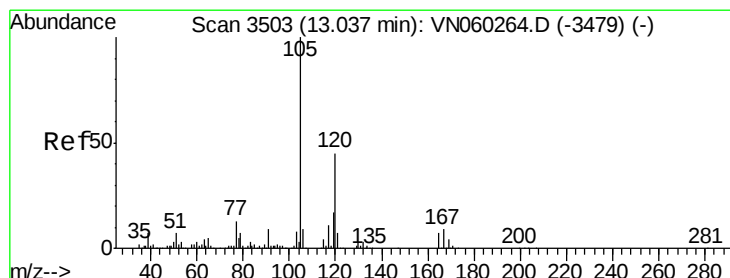
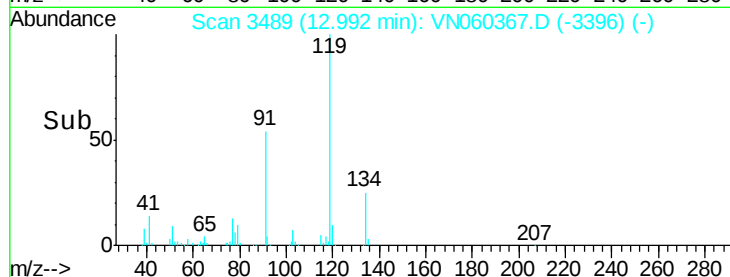
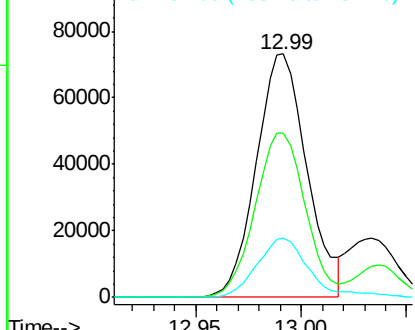


Abundance

Ion 119.00 (118.70 to 119.70): V

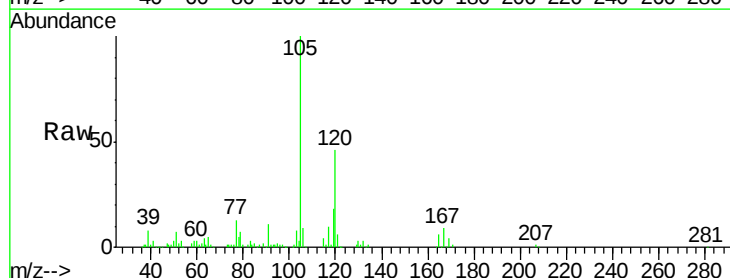
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 17.657 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060367.D
Acq: 5 Mar 2020 15:39

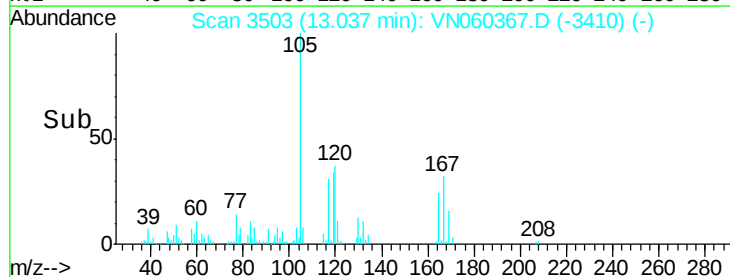
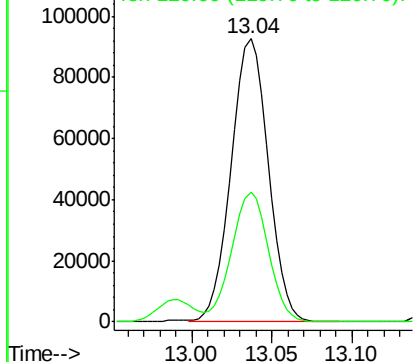
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.9



Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.629 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBSD01

Tot Ion:105 Resp: 158489

Ion Ratio Lower Upper

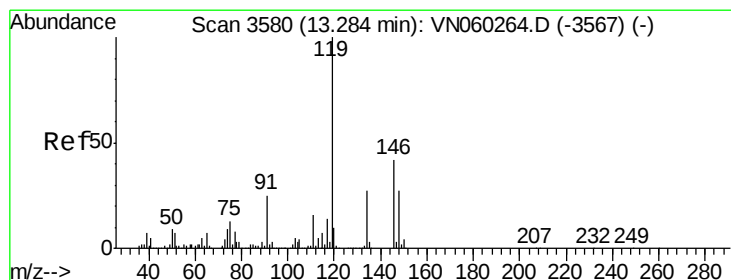
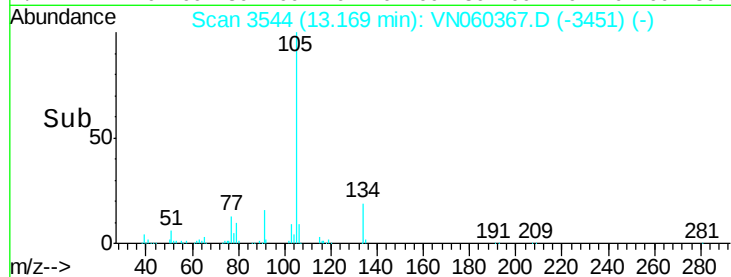
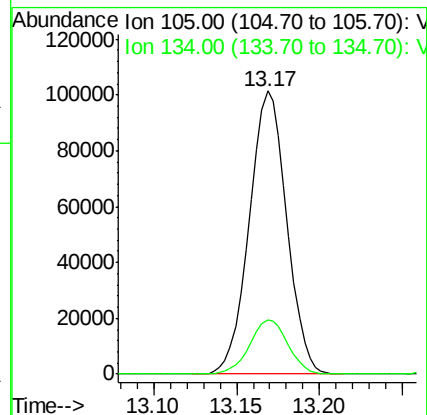
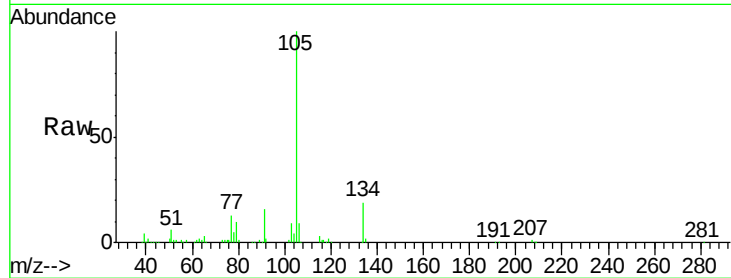
105 100

134 19.6 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 16.392 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

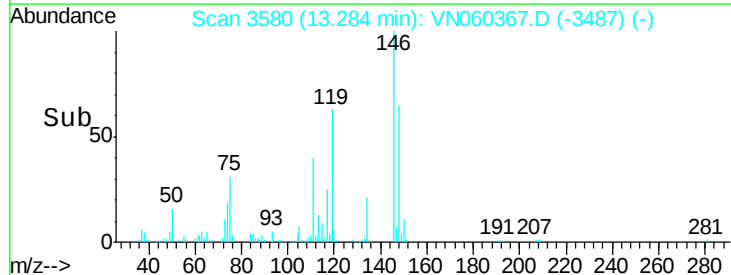
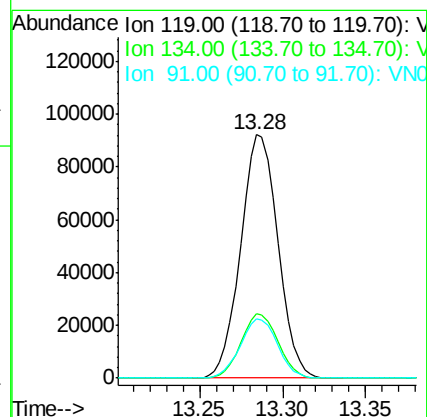
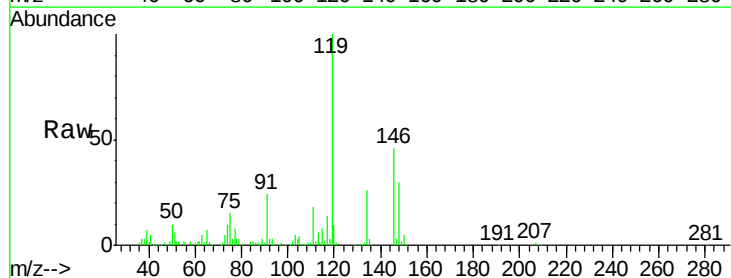
Tgt Ion:119 Resp: 144604

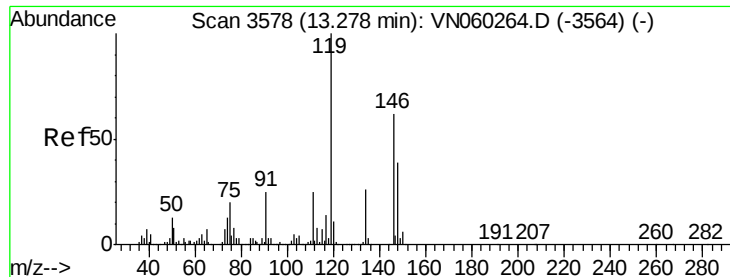
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 24.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.559 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060367.D

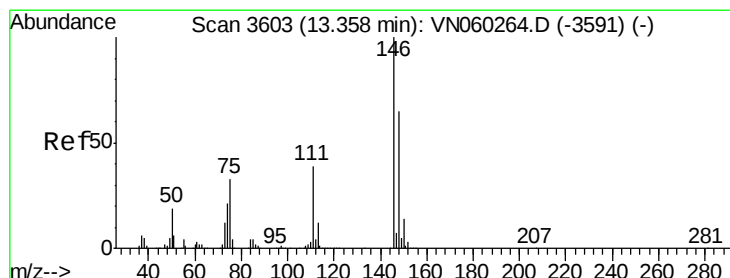
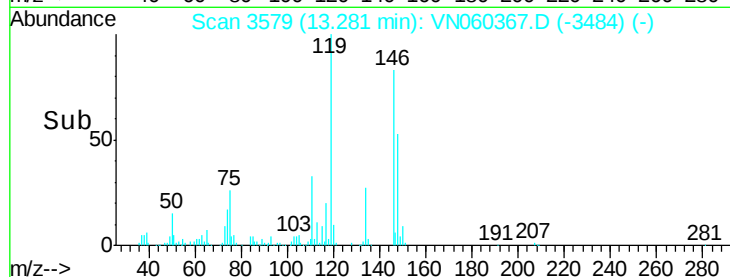
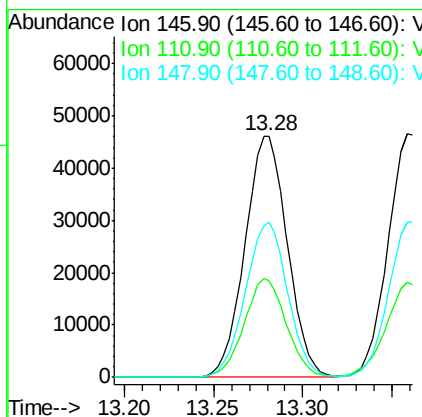
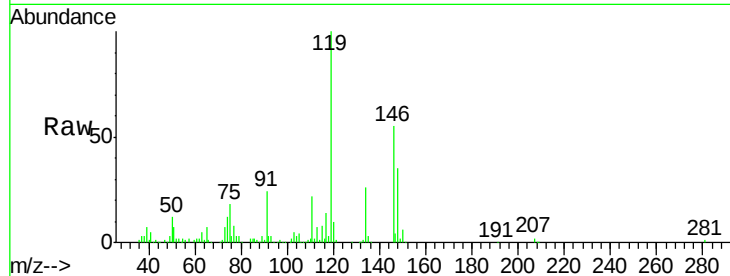
Acq: 5 Mar 2020 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	64.0	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.874 ug/l

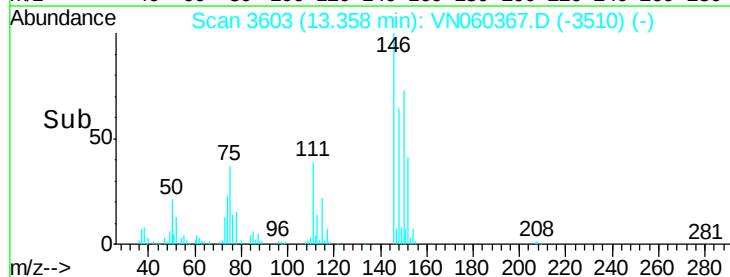
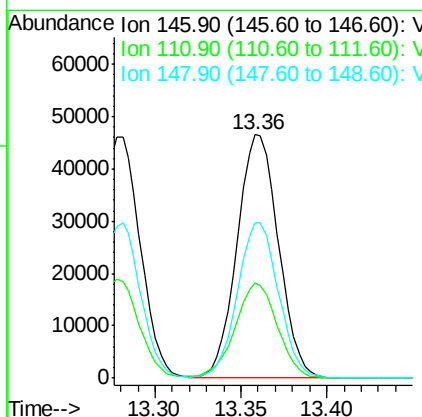
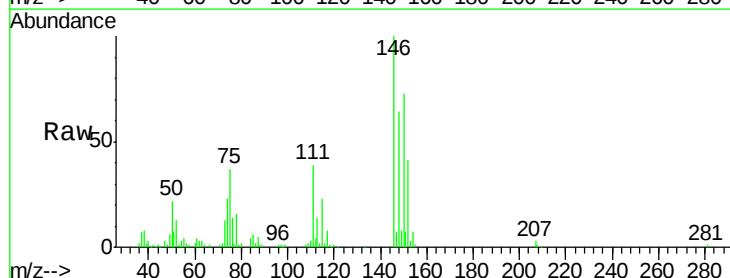
RT: 13.36 min Scan# 3603

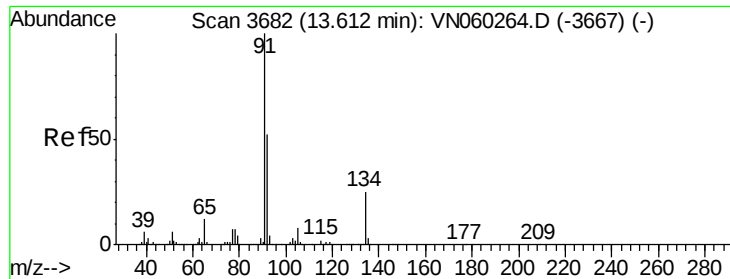
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	63.3	32.3	96.9





#89

n-Butylbenzene

Concen: 15.908 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

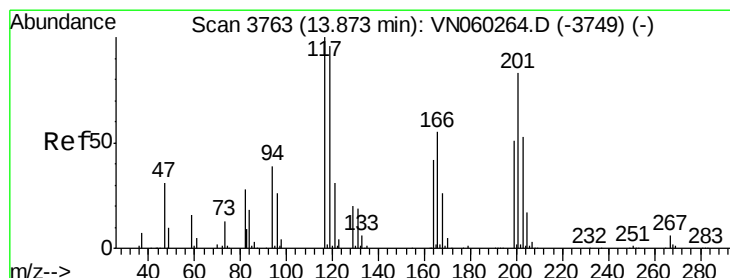
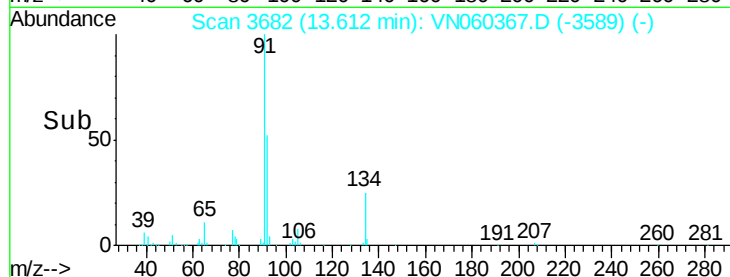
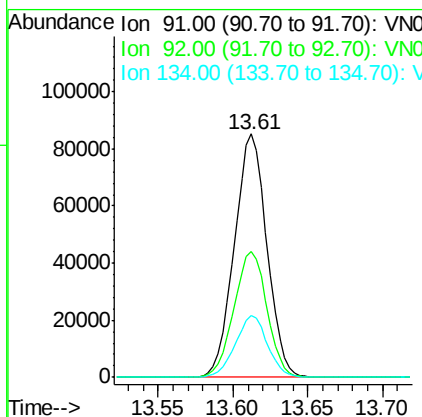
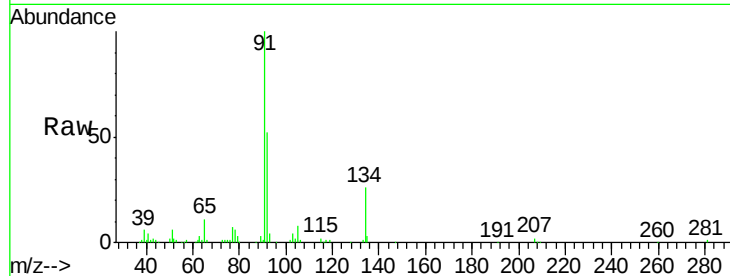
ClientSampleId :

VN0305MBSD01

Tot Ion:	91	Resp:	128821
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	25.0	12.7	38.1

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#90

Hexachloroethane

Concen: 15.104 ug/l

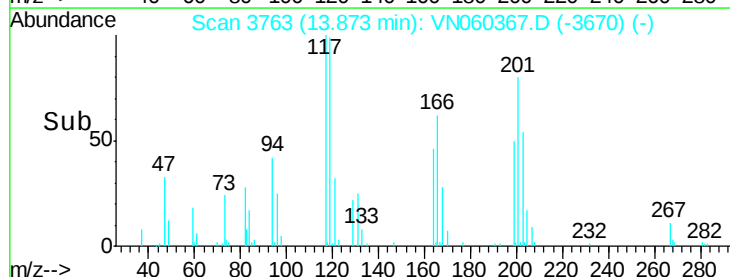
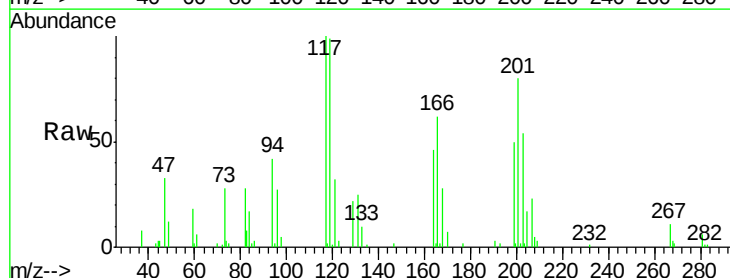
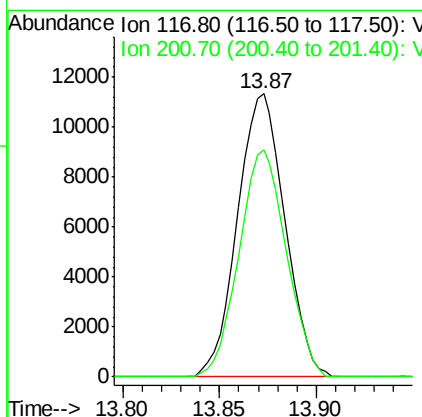
RT: 13.87 min Scan# 3763

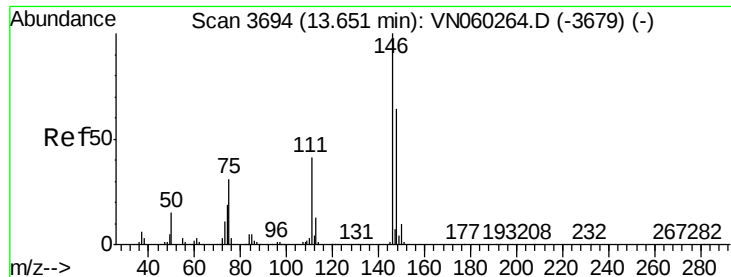
Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	117	Resp:	19286
Ion	Ratio	Lower	Upper
117	100		
201	80.0	41.0	123.0





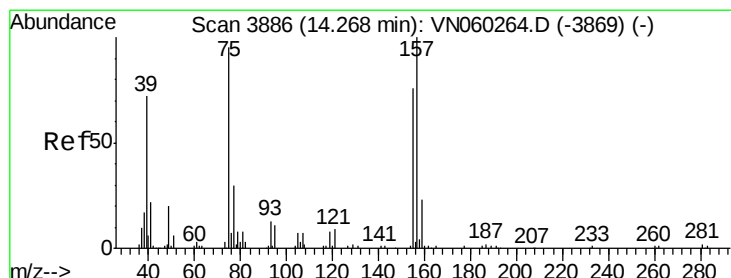
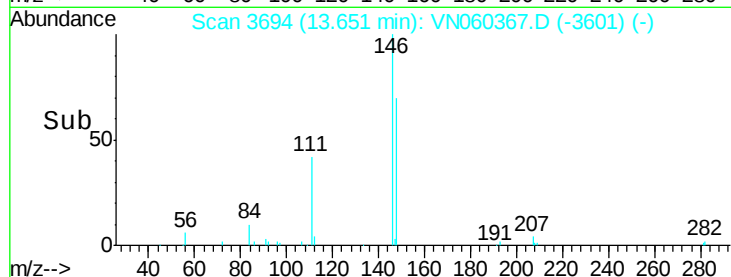
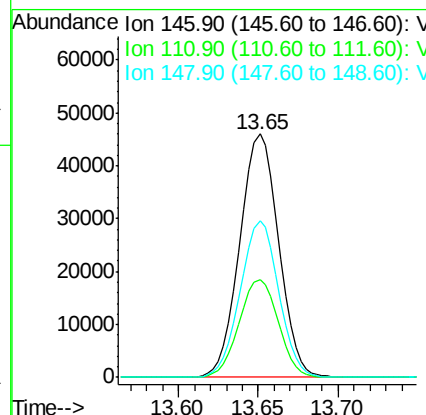
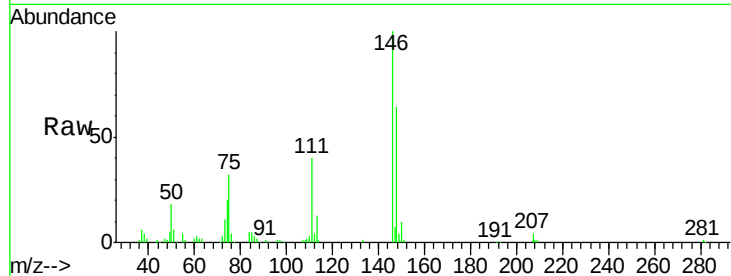
#91
 1,2-Dichlorobenzene
 Concen: 18.166 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	63.7	31.8	95.3

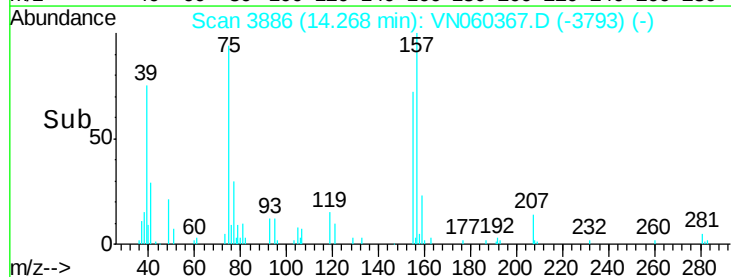
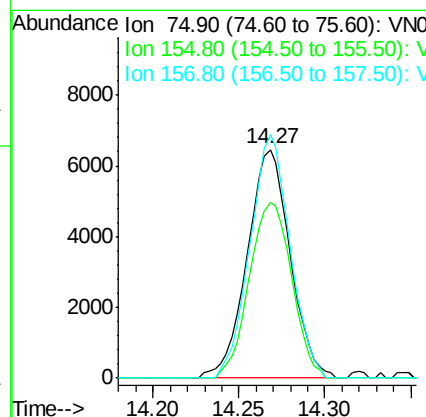
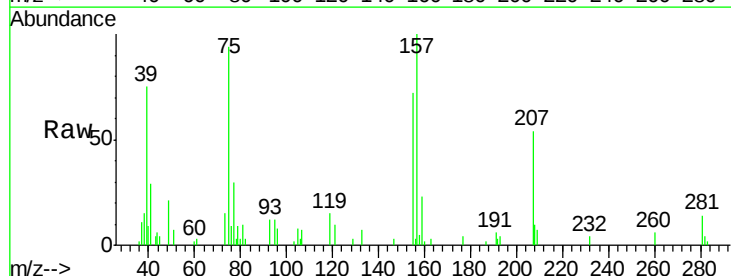
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.682 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.4	121.2
157	98.9	52.5	157.5





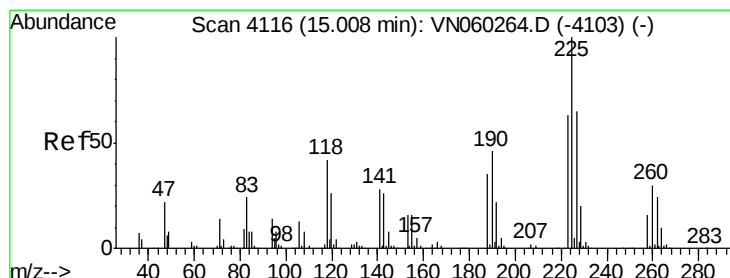
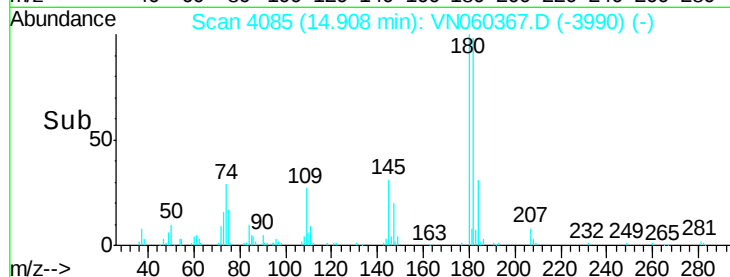
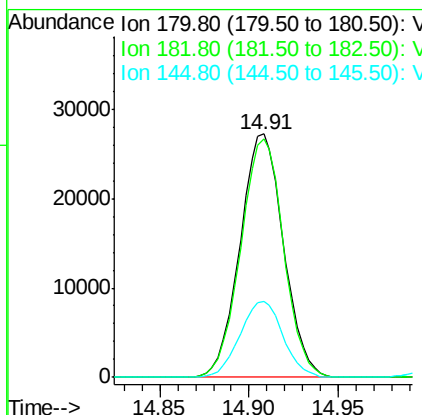
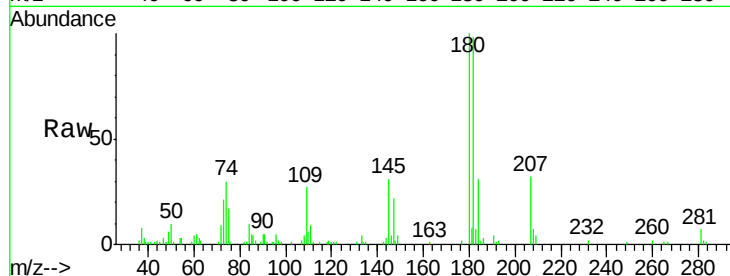
#93
 1,2,4-Trichlorobenzene
 Concen: 17.403 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	30.8	15.4	46.1

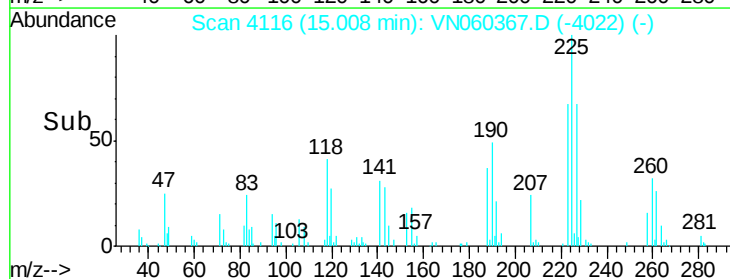
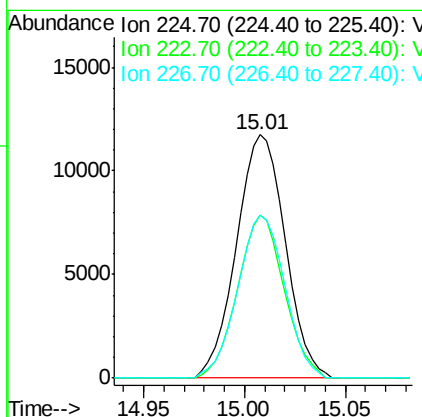
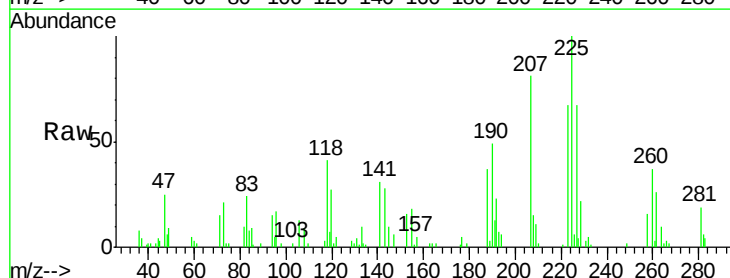
Manual Integrations
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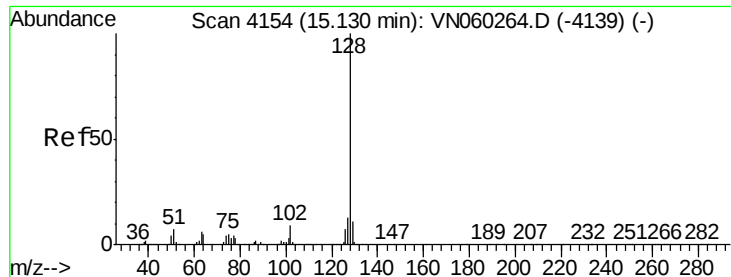
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#94
 Hexachlorobutadiene
 Concen: 15.826 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060367.D
 Acq: 5 Mar 2020 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.9
227	65.0	32.3	96.9





#95

Naphthalene

Concen: 18.047 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Instrument :

MSVOA_N

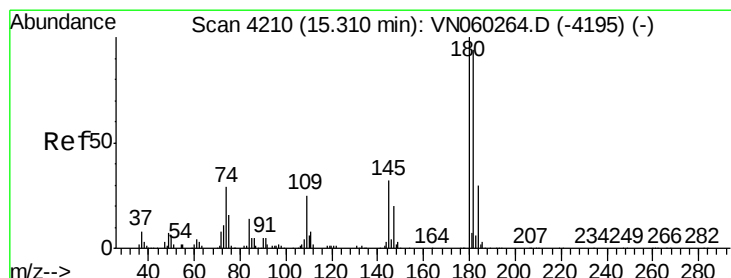
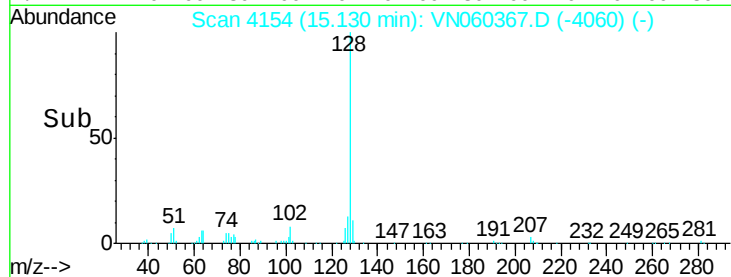
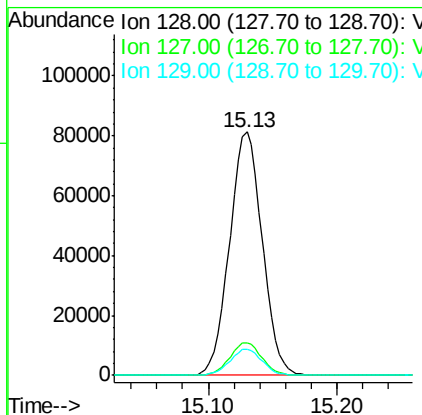
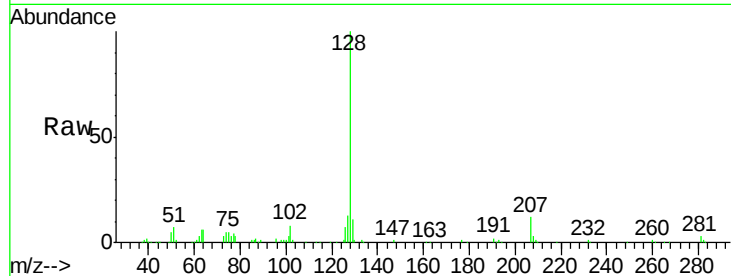
ClientSampleId :

VN0305MBSD01

Tot Ion:	128	Resp:	143009
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 18.047 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060367.D

Acq: 5 Mar 2020 15:39

Tgt Ion:	180	Resp:	45582
Ion Ratio	Lower	Upper	
180	100		
182	92.4	47.3	142.0
145	31.4	16.2	48.5

