

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
 Data File : VN057470.D
 Acq On : 23 Aug 2019 13:24
 Operator : JC/SP
 Sample : VN0823WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0823WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:12:14 PM

Quant Time: Aug 23 23:48:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67546	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	380005	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	321737	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	195968	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.40	95	151026	28.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.90%
63) Toluene-d8	10.09	98	489398	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	72171	20.424	ug/l 99
3) Chloromethane	2.05	50	113885	21.462	ug/l 100
4) Vinyl Chloride	2.17	62	143525	21.291	ug/l 99
5) Bromomethane	2.55	94	90874	20.838	ug/l 99
6) Chloroethane	2.69	64	92663	20.521	ug/l 96
7) Trichlorofluoromethane	3.00	101	230871	21.532	ug/l 94
8) Diethyl Ether	3.39	74	86158	20.917	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	114893	19.025	ug/l 100
10) 1,1-Dichloroethene	3.71	96	123042	21.104	ug/l 96
11) Methyl Iodide	3.92	142	90716	17.310	ug/l 100
12) Methyl Acetate	4.30	43	120038	20.438	ug/l 94
13) Acrolein	3.58	56	75596	101.208	ug/l 99
14) Acrylonitrile	4.96	53	214905	105.328	ug/l 99
15) Acetone	3.80	58	54968	57.590	ug/l 97
16) Carbon Disulfide	4.02	76	213689	20.577	ug/l 99
17) Allyl chloride	4.29	41	162036	20.372	ug/l 98
18) Methylene Chloride	4.52	84	89081	20.834	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	80694	20.042	ug/l 98
20) Diisopropyl ether	5.93	45	355548	20.938	ug/l 96
21) 1,1-Dichloroethane	5.82	63	184178	20.873	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	98996	20.215	ug/l 99
23) tert-Butyl Alcohol	4.79	59	78145	105.436	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	280330	20.811	ug/l 99
25) Chloroform	7.36	83	176979	20.202	ug/l 99
26) Cyclohexane	7.63	56	159212	20.263	ug/l # 99
29) 1,1-Dichloropropene	7.77	75	131077	20.296	ug/l 98
30) 2-Butanone	6.82	43	322596	103.894	ug/l 99
31) 2,2-Dichloropropane	6.80	77	155821	21.117	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	151437	20.512	ug/l 98
33) Carbon Tetrachloride	7.75	117	124605	20.325	ug/l 99
34) Benzene	8.03	78	389371	20.502	ug/l 99
35) Methacrylonitrile	7.16	41	64169	20.420	ug/l 94
36) 1,2-Dichloroethane	8.11	62	152801	20.524	ug/l # 88
37) Trichloroethene	8.82	130	88111	20.335	ug/l 94
38) Methylcyclohexane	9.07	83	143774	19.834	ug/l 99
39) 1,2-Dichloropropane	9.11	63	112458	20.825	ug/l 99
40) Dibromomethane	9.20	93	69003	20.908	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	140072	20.012	ug/l #	99
42) Vinyl Acetate	5.87	43	1438052	103.492	ug/l	100
43) Ethyl Acetate	6.91	43	147745m	24.445	ug/l	
44) Isopropyl Acetate	8.16	43	239181	20.731	ug/l #	92
45) 1,4-Dioxane	9.20	88	29816m	429.936	ug/l	
46) Methyl methacrylate	9.19	41	114855	20.962	ug/l	98
47) n-amyl Acetate	12.07	43	185773	20.006	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	146143	19.764	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	161730	19.900	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	88020	20.339	ug/l	97
51) Ethyl methacrylate	10.43	69	143042	19.884	ug/l	99
52) 1,3-Dichloropropane	10.70	76	158967	20.148	ug/l	99
53) Dibromochloromethane	10.90	129	91580	19.851	ug/l	99
54) 1,2-Dibromoethane	11.00	107	88129	19.903	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	165146	93.130	ug/l	98
56) Bromoform	12.13	173	52661	19.126	ug/l #	95
58) 4-Methyl-2-Pentanone	9.98	43	680153	107.760	ug/l	100
59) 2-Hexanone	10.75	43	462012	105.606	ug/l	99
61) Tetrachloroethene	10.63	164	75924	20.577	ug/l	94
62) Toluene	10.15	91	400693	20.377	ug/l	99
64) Chlorobenzene	11.43	112	216935	20.293	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.50	131	82444	20.293	ug/l	98
66) Ethyl Benzene	11.51	91	427134	20.297	ug/l	99
67) m/p-Xylenes	11.62	106	293530	40.214	ug/l	100
68) o-Xylene	11.95	106	148861	20.637	ug/l	99
69) Styrene	11.96	104	228495	19.829	ug/l	99
70) Isopropylbenzene	12.25	105	392616	20.346	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	119013	21.327	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	112265m	22.162	ug/l	
73) Bromobenzene	12.53	156	77967	19.961	ug/l	97
74) n-propylbenzene	12.59	91	438384	19.923	ug/l	99
75) 2-Chlorotoluene	12.68	91	259310	20.010	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	318535	20.114	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36409	20.042	ug/l	91
78) 4-Chlorotoluene	12.77	91	238494	19.478	ug/l	98
79) tert-butylbenzene	12.99	119	270616	20.082	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	293201	19.859	ug/l	98
81) sec-Butylbenzene	13.17	105	353905	19.930	ug/l	99
82) p-Isopropyltoluene	13.29	119	292399	19.586	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	113838	18.722	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	109141	18.451	ug/l	99
85) n-Butylbenzene	13.62	91	239640	18.412	ug/l	98
86) Hexachloroethane	13.88	117	61655	20.468	ug/l	95
87) 1,2-Dichlorobenzene	13.66	146	114087	19.105	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18333	19.576	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	31729	14.181	ug/l	97
90) Hexachlorobutadiene	15.01	225	35390	20.572	ug/l	97
91) Naphthalene	15.13	128	108562	19.806	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	31452	14.056	ug/l	94

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Instrument :
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ClientSampleId :
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QLast Update : Fri Aug 23 23:15:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

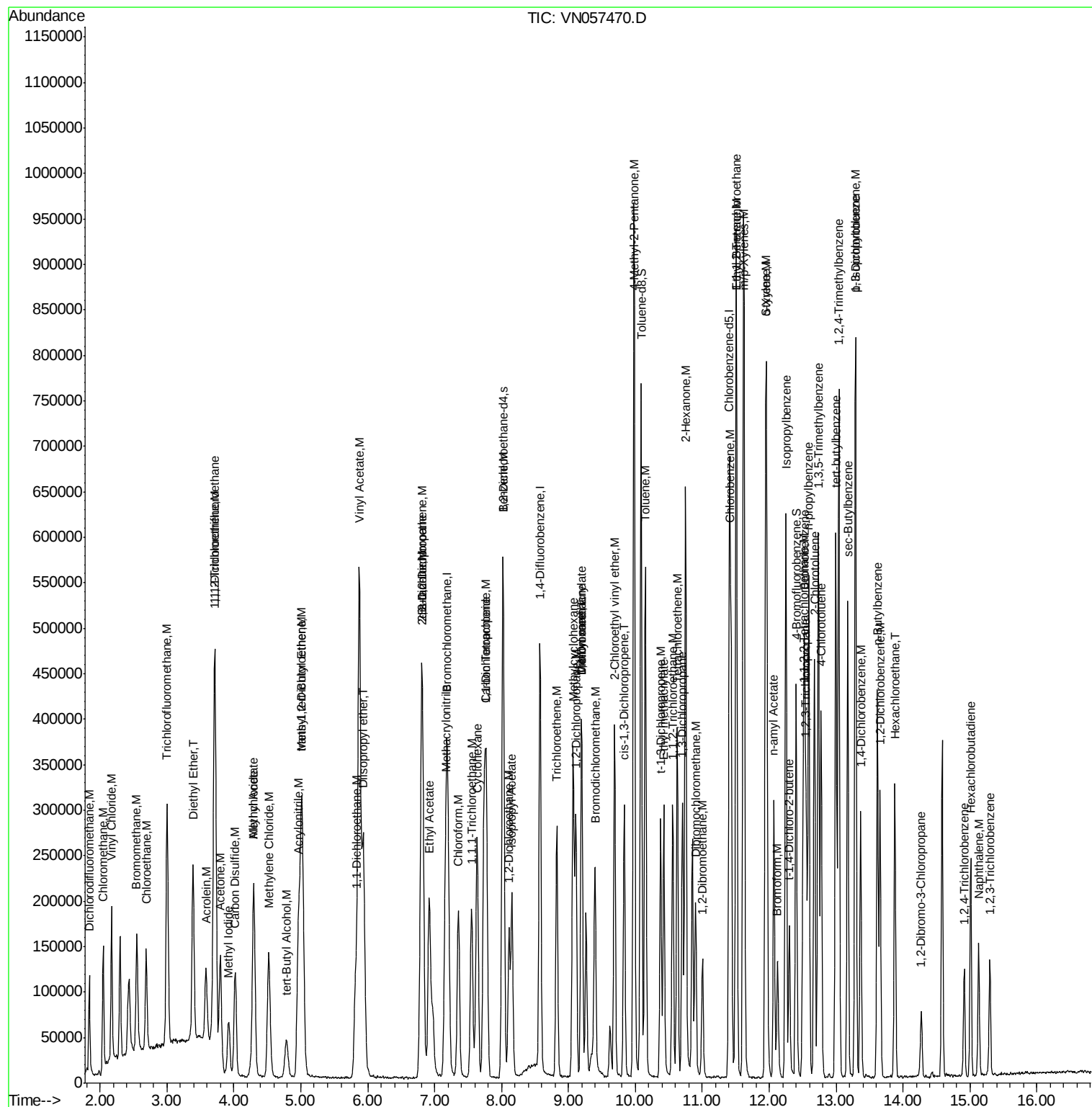
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
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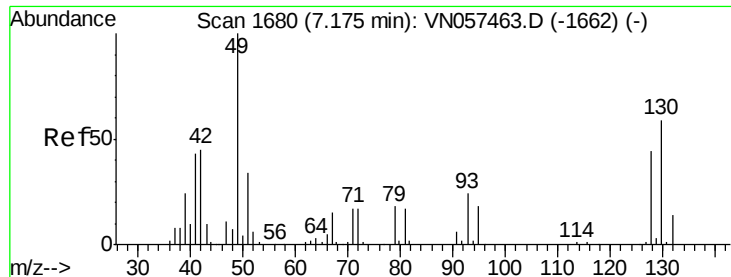
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Manual Integrations
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8/26/2019 1:12:14 PM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

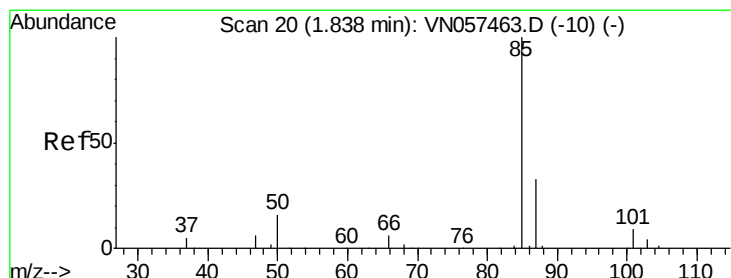
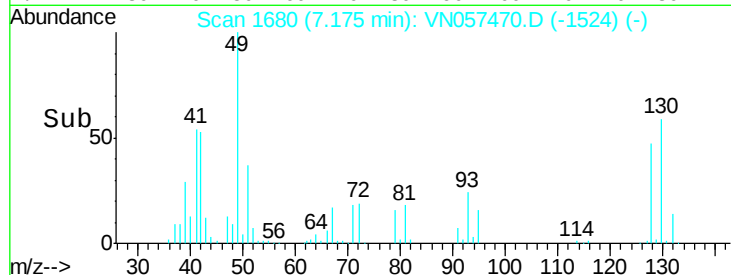
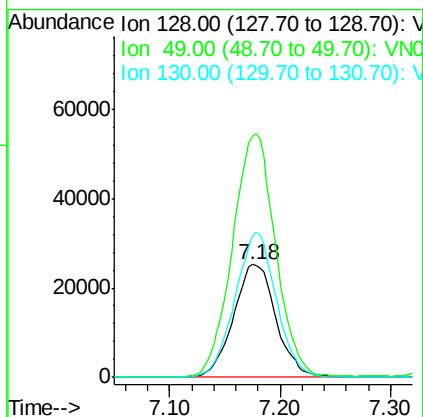
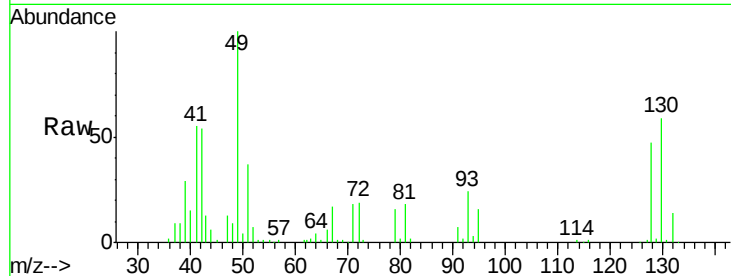
ClientSampleId :

VN0823WBS01

Tot Ion:	128	Resp:	67546
Ion	Ratio	Lower	Upper
128	100		
49	218.0	0.0	560.5
130	124.2	0.0	317.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.424 ug/l

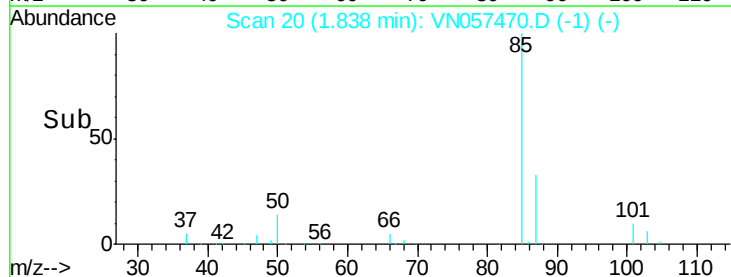
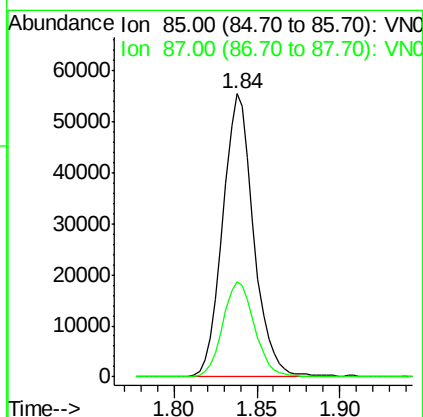
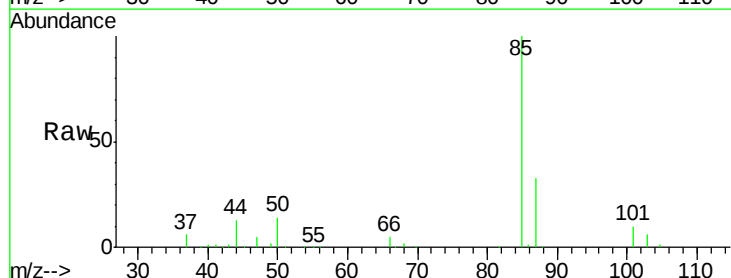
RT: 1.84 min Scan# 20

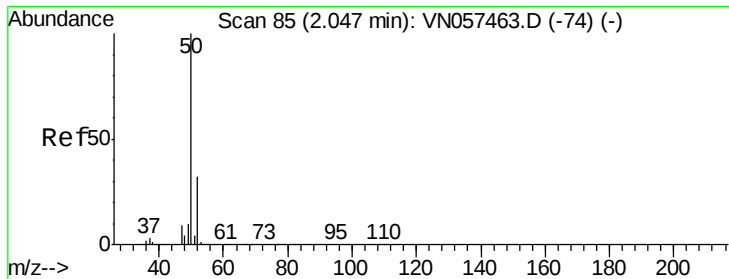
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	85	Resp:	72171
Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.4	49.1





#3

Chloromethane

Concen: 21.462 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 50 Resp: 113885

Ion Ratio Lower Upper

50 100

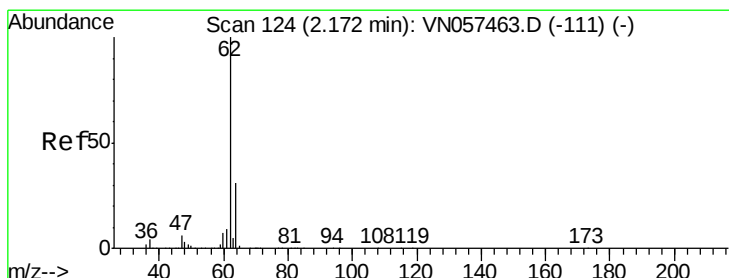
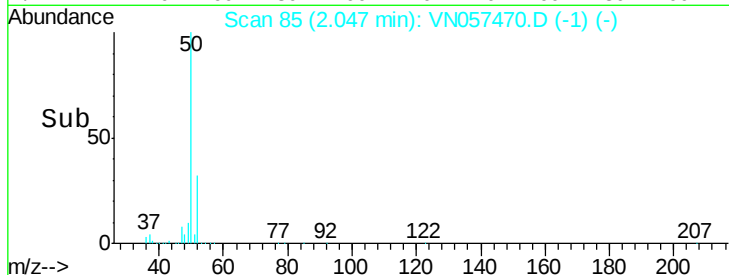
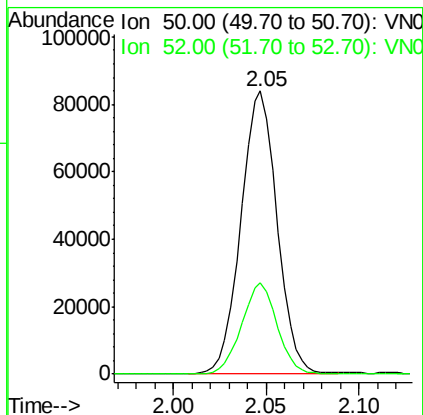
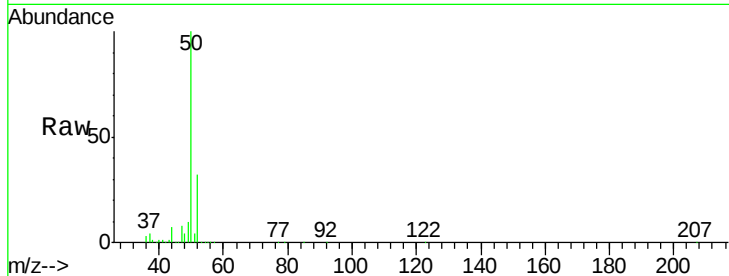
52 31.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.291 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057470.D

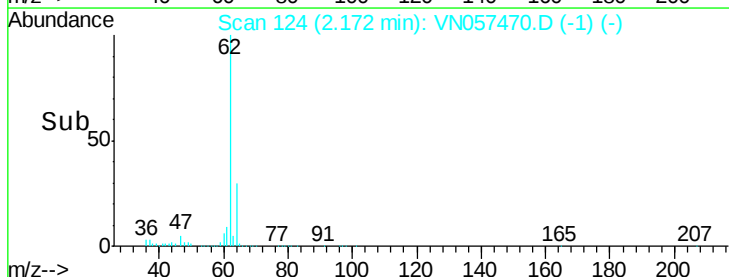
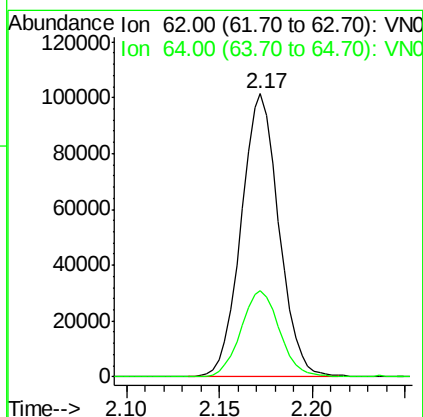
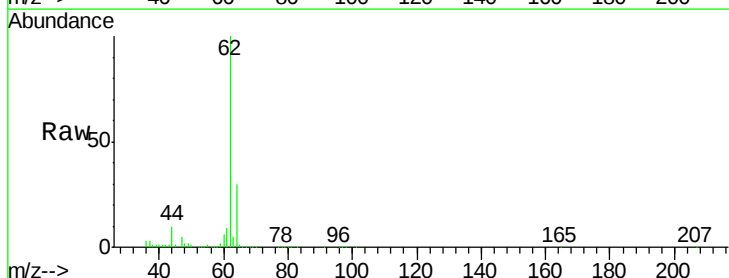
Acq: 23 Aug 2019 13:24

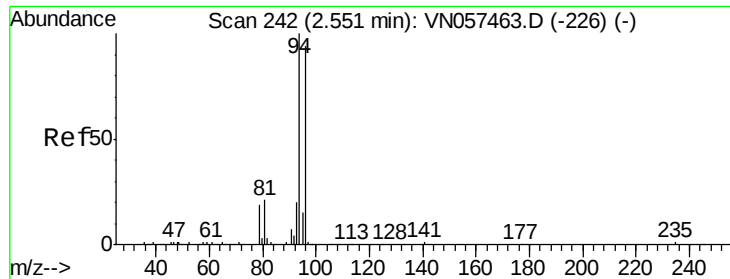
Tgt Ion: 62 Resp: 143525

Ion Ratio Lower Upper

62 100

64 30.3 24.8 37.2





#5

Bromomethane

Concen: 20.838 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 94 Resp: 90874

Ion Ratio Lower Upper

94 100

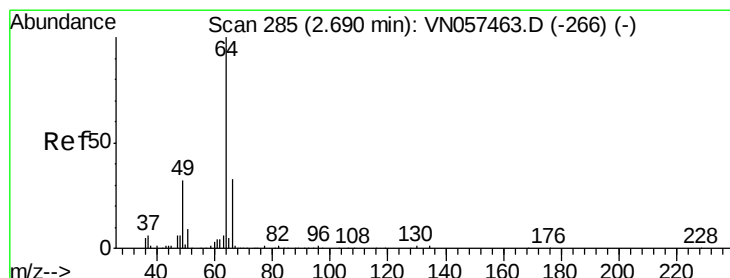
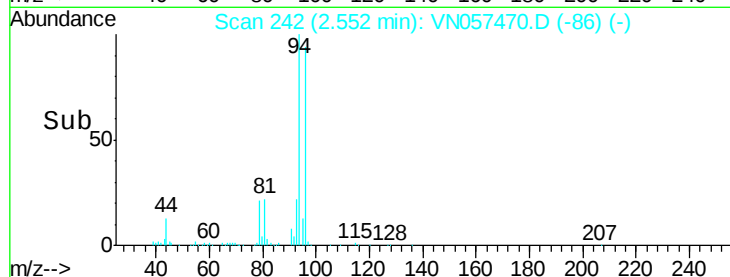
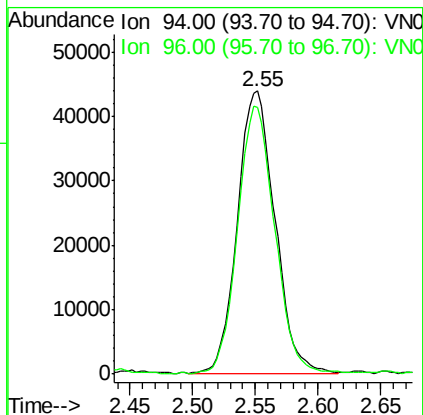
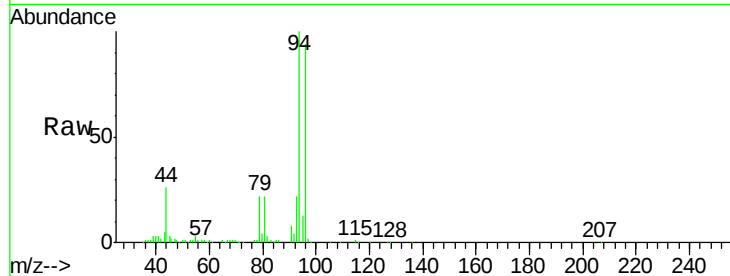
96 94.7 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 20.521 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057470.D

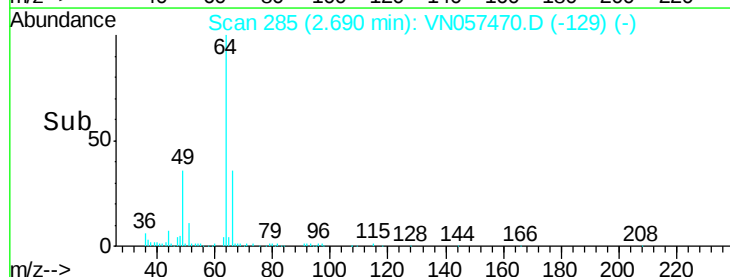
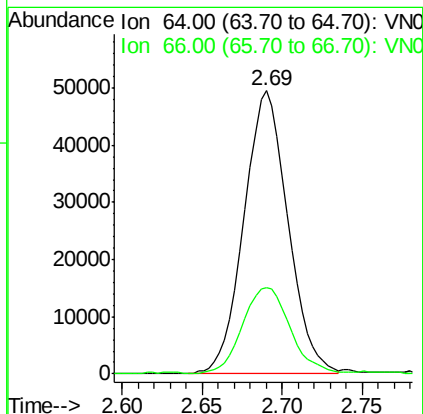
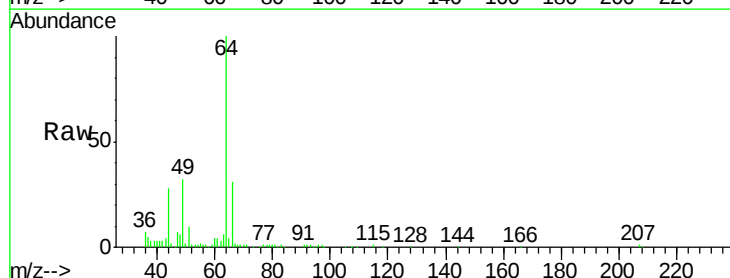
Acq: 23 Aug 2019 13:24

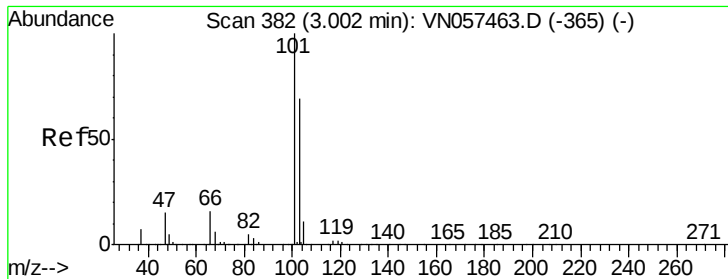
Tgt Ion: 64 Resp: 92663

Ion Ratio Lower Upper

64 100

66 30.8 26.3 39.5





#7

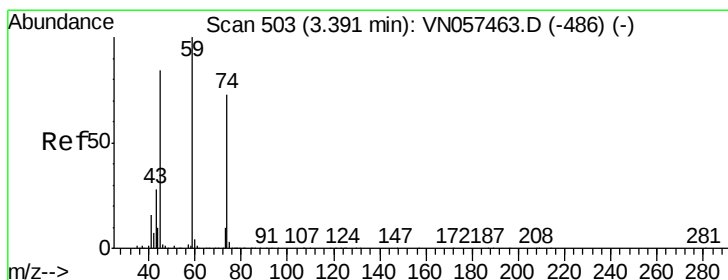
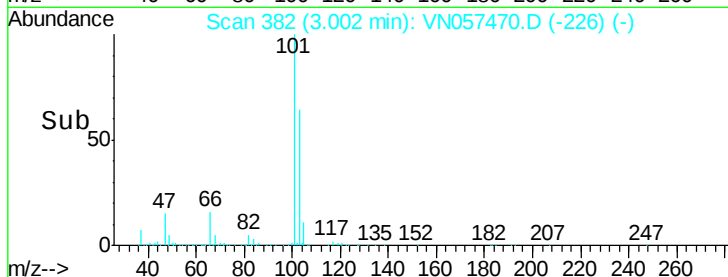
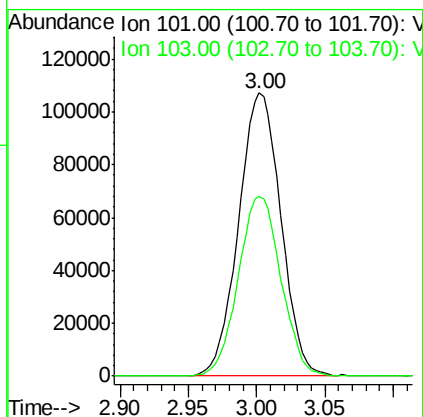
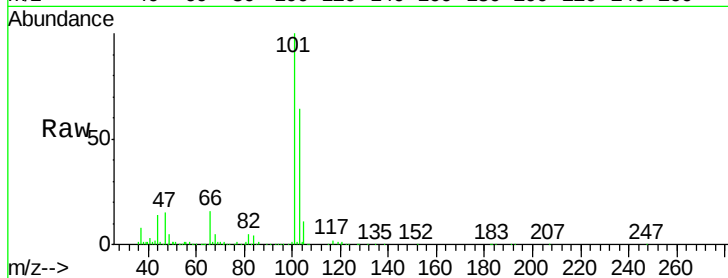
Trichlorofluoromethane
 Concen: 21.532 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
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 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	230871		
103	63.5	55.0	82.4	

Manual Integrations
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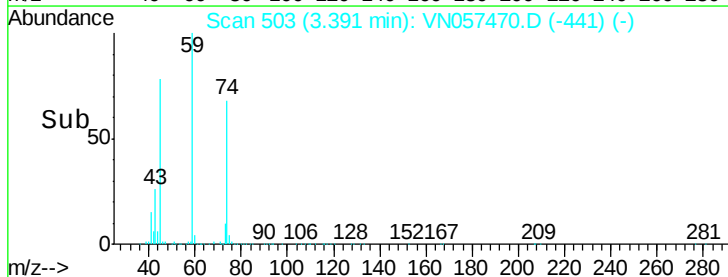
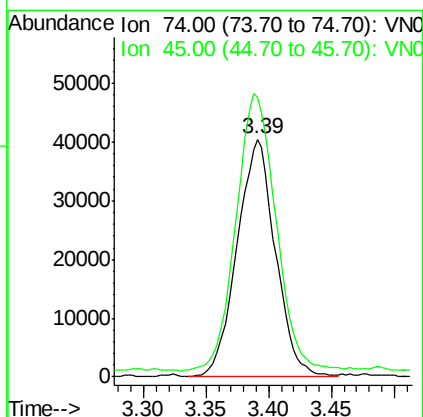
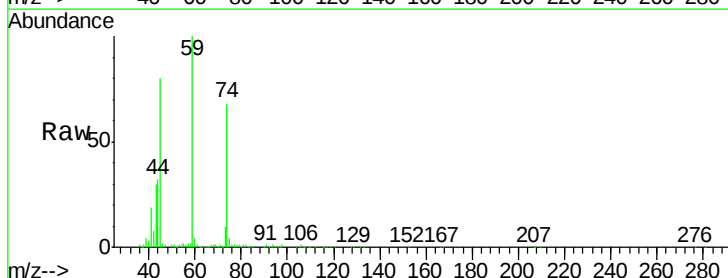
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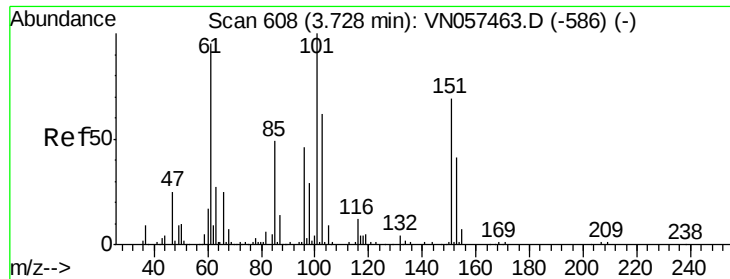


#8

Diethyl Ether
 Concen: 20.917 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	86158		
45	121.3	23.2	209.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.025 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

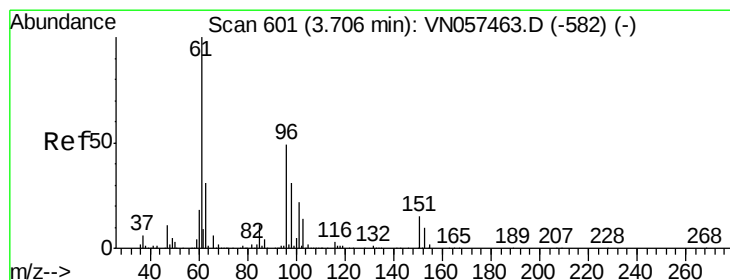
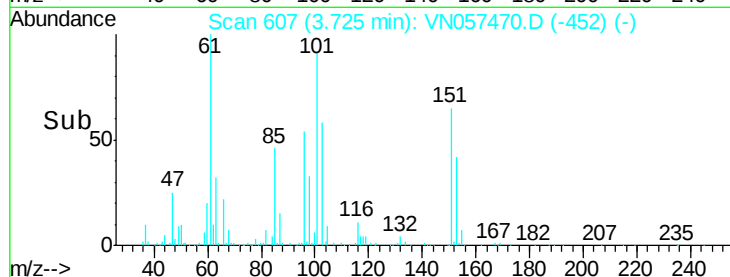
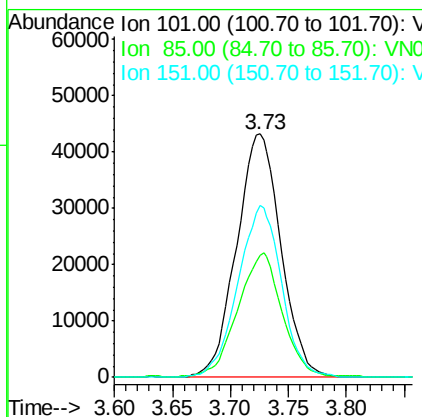
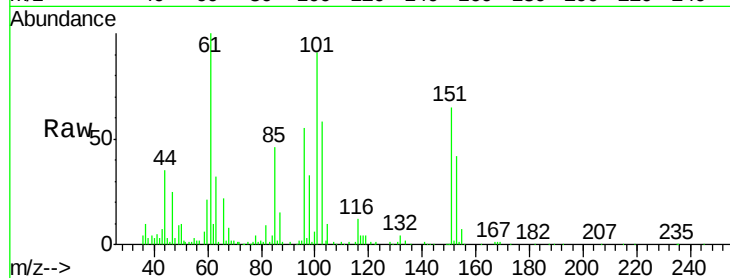
ClientSampleId :

VN0823WBS01

Tot Ion:	101	Resp:	114893
Ion Ratio	Lower	Upper	
101	100		
85	51.1	0.0	101.6
151	69.4	0.0	139.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 21.104 ug/l

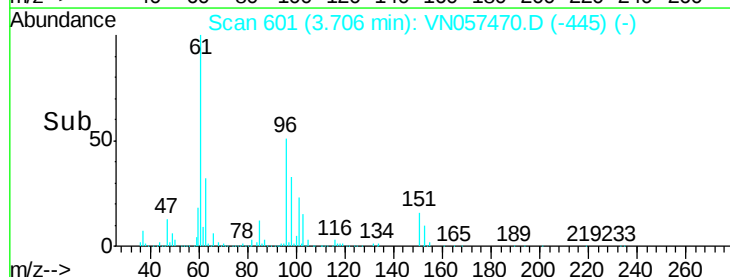
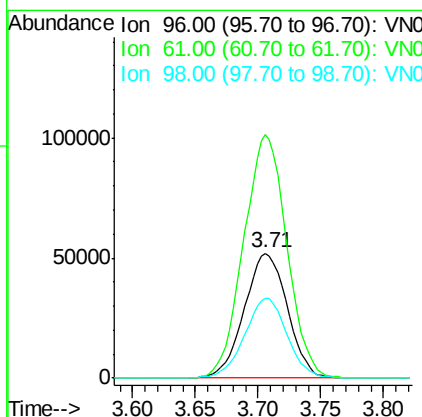
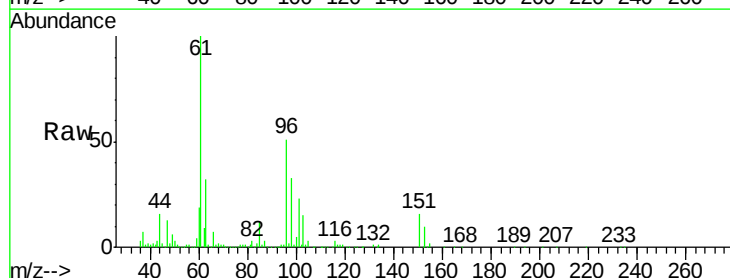
RT: 3.71 min Scan# 601

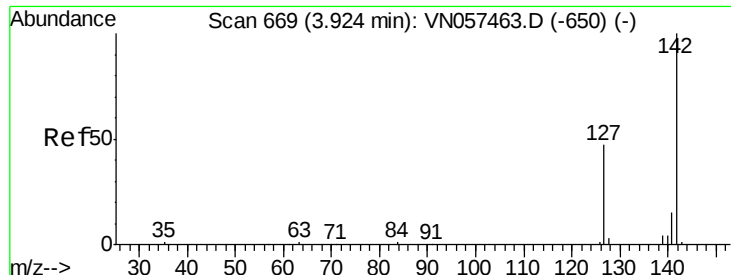
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	96	Resp:	123042
Ion Ratio	Lower	Upper	
96	100		
61	195.1	162.6	244.0
98	63.9	51.1	76.7





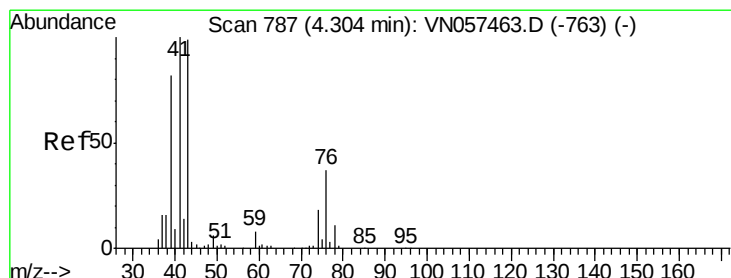
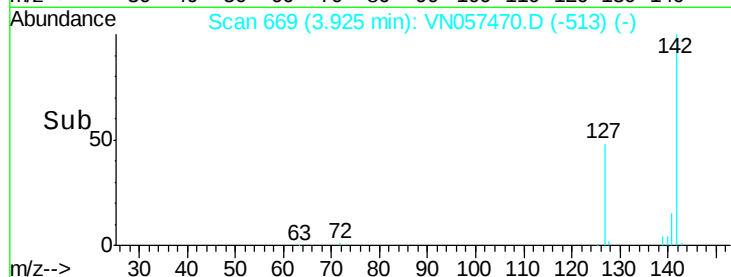
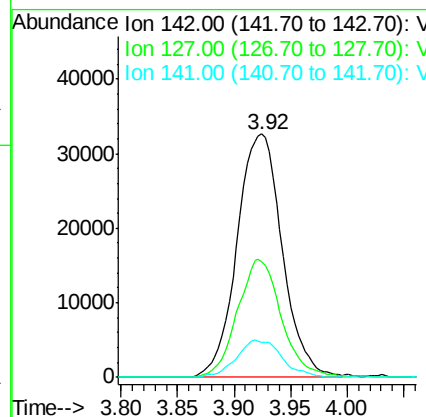
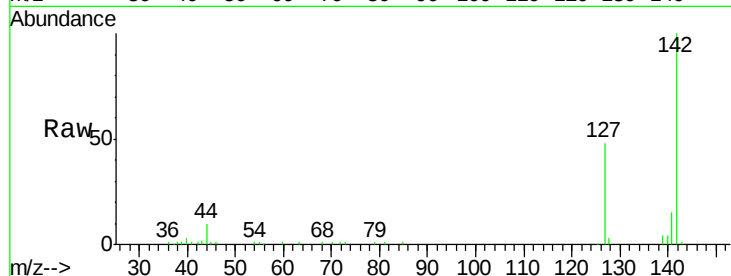
#11
Methyl Iodide
Concen: 17.310 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.9	24.0	72.0
141	14.2	7.0	21.1

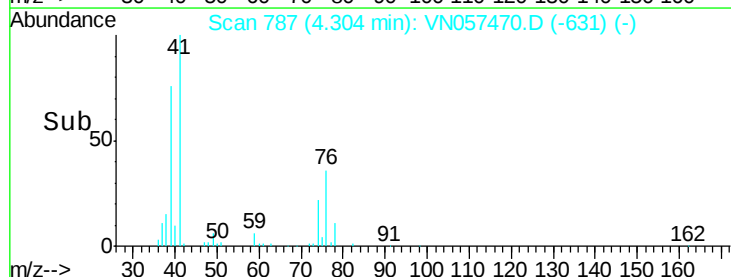
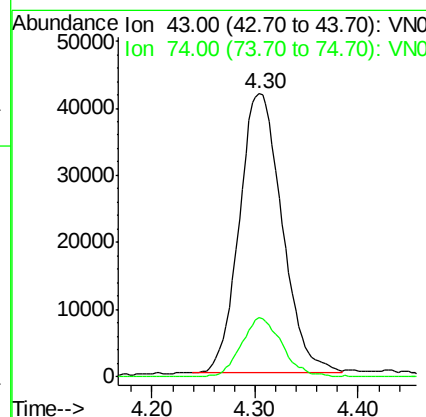
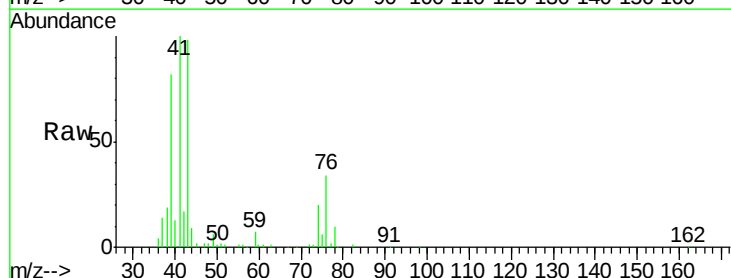
Manual Integrations
APPROVED

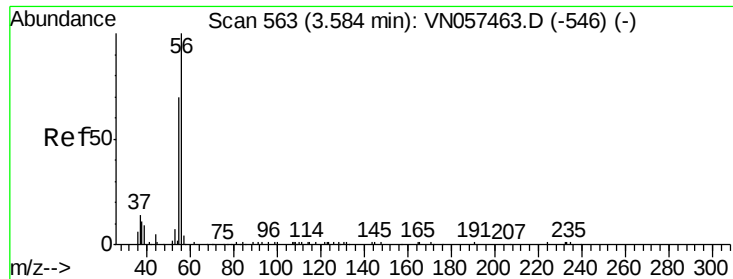
MMDadoda
8/26/2019 1:12:14 PM



#12
Methyl Acetate
Concen: 20.438 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	14.6	22.0





#13

Acrolein

Concen: 101.208 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 56 Resp: 75596

Ion Ratio Lower Upper

56 100

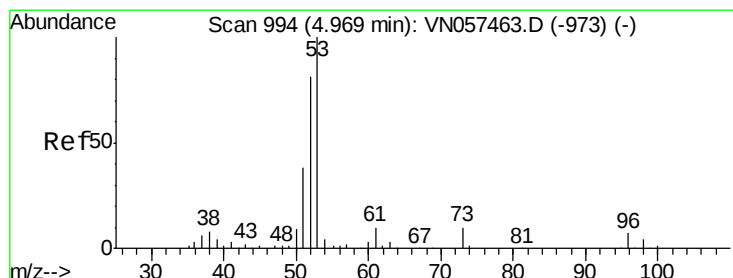
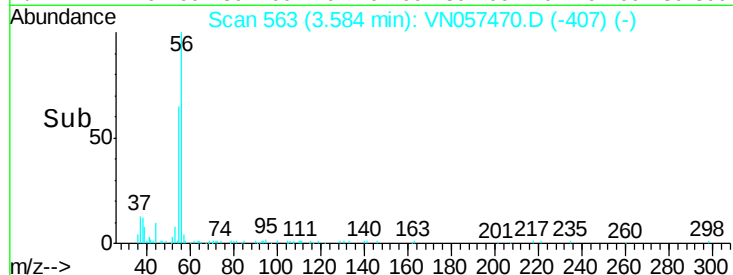
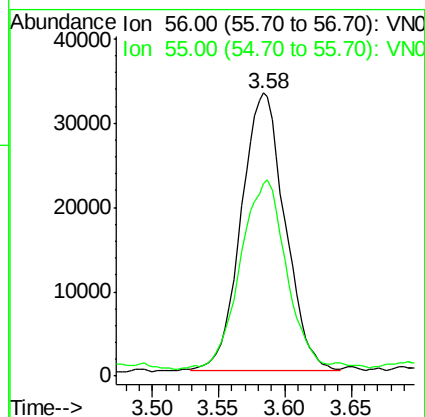
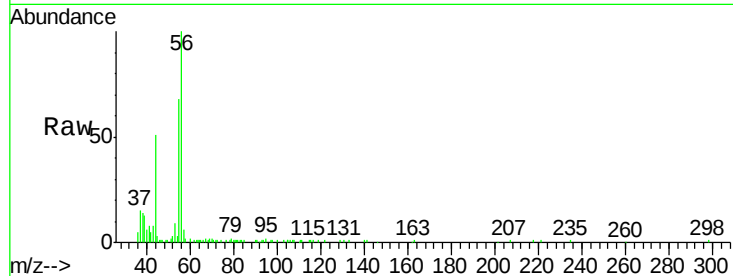
55 69.7 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 105.328 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

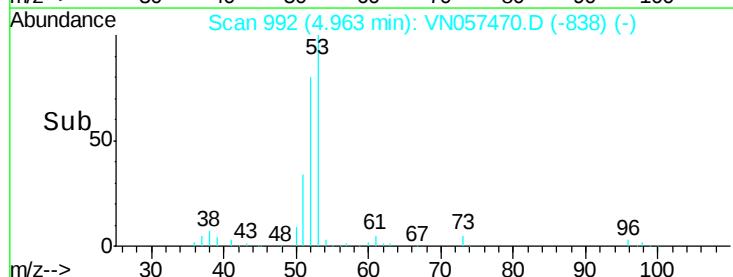
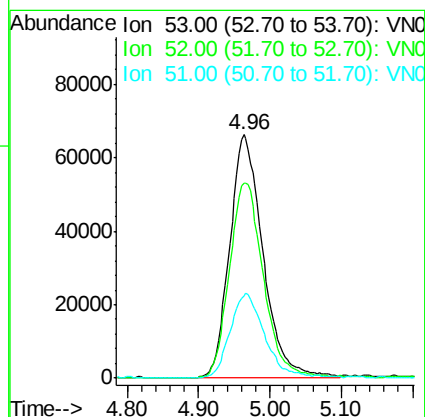
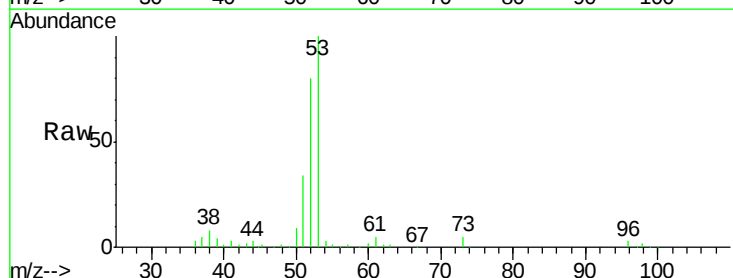
Tgt Ion: 53 Resp: 214905

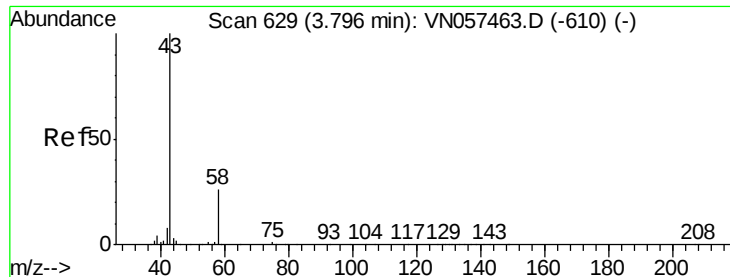
Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.9

51 34.6 18.3 54.9





#15

Acetone

Concen: 57.590 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 58 Resp: 54968

Ion Ratio Lower Upper

58 100

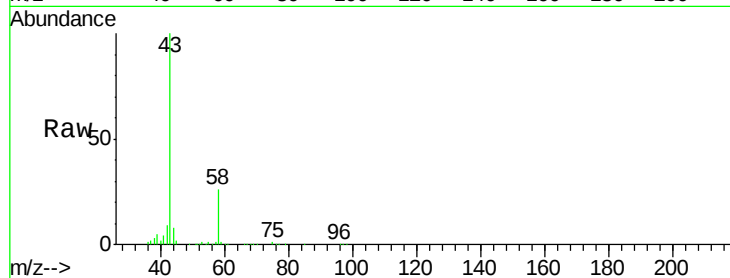
43 386.3 304.4 456.6

Manual Integrations

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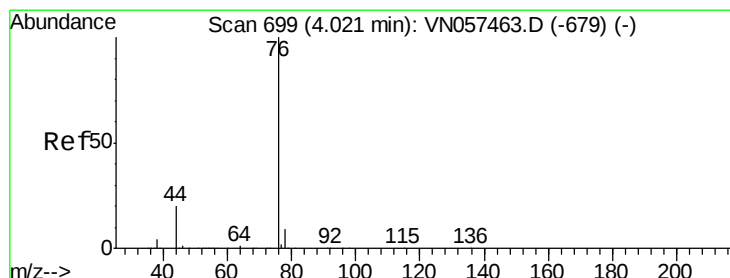
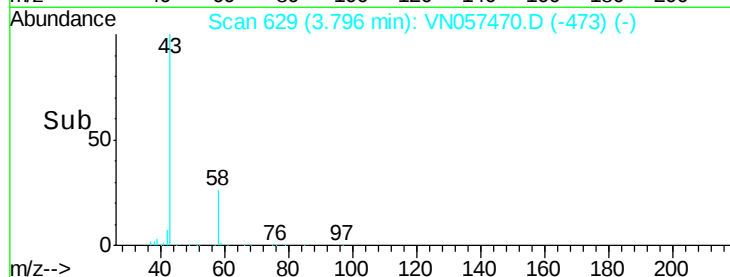
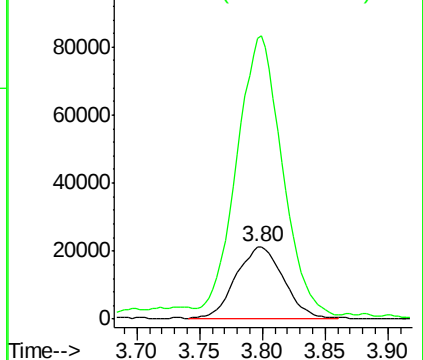
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.577 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057470.D

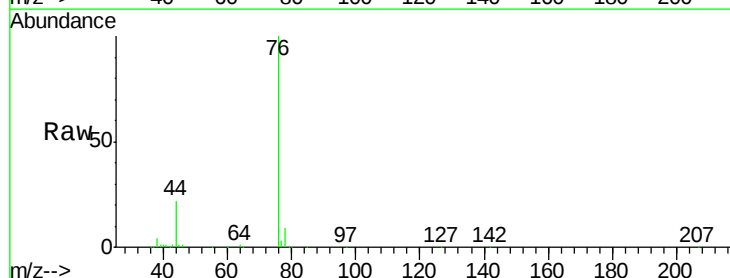
Acq: 23 Aug 2019 13:24

Tgt Ion: 76 Resp: 213689

Ion Ratio Lower Upper

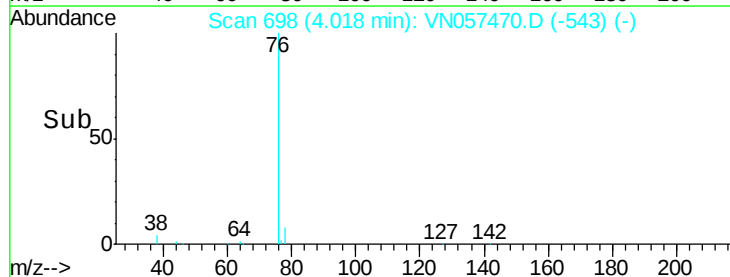
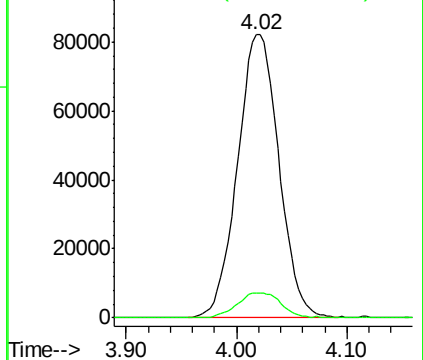
76 100

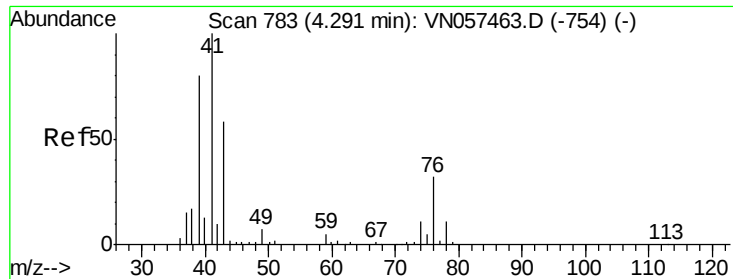
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





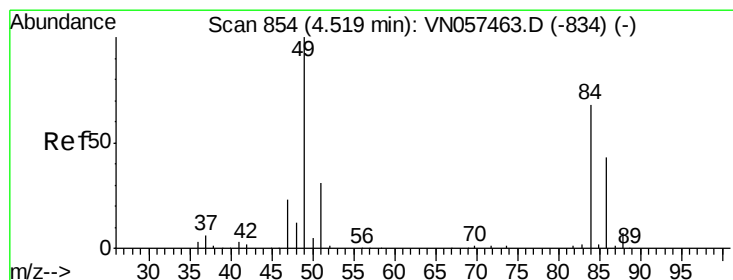
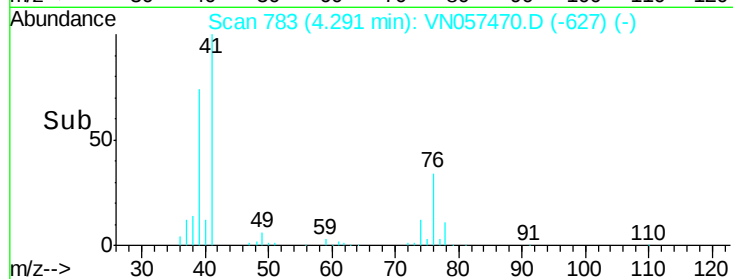
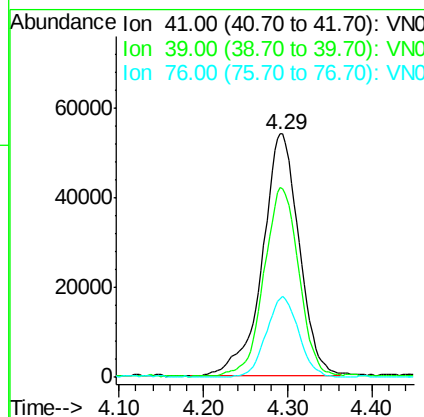
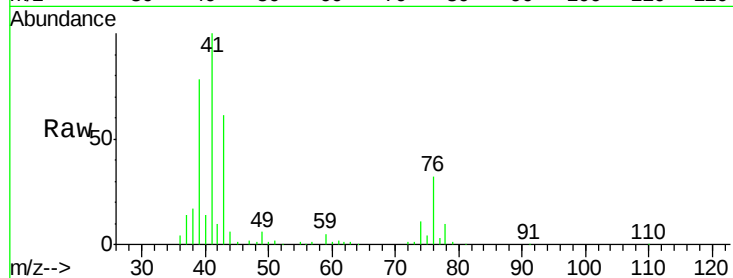
#17
Allvl chloride
Concen: 20.372 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.2	40.1	120.2
76	32.4	16.2	48.6

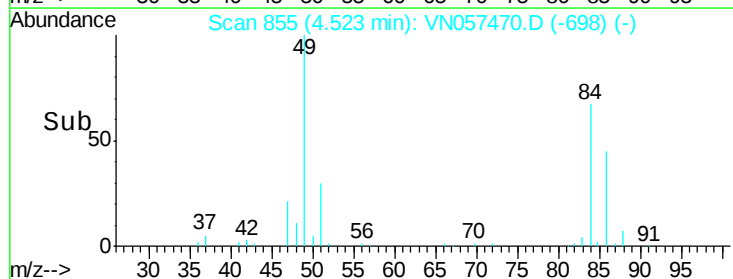
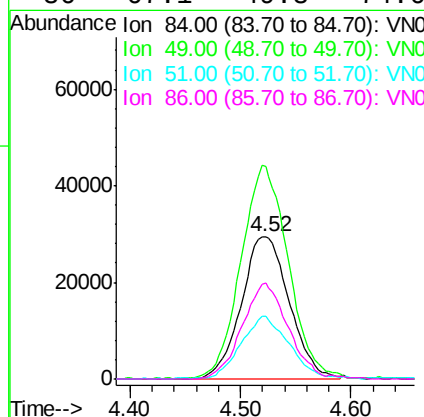
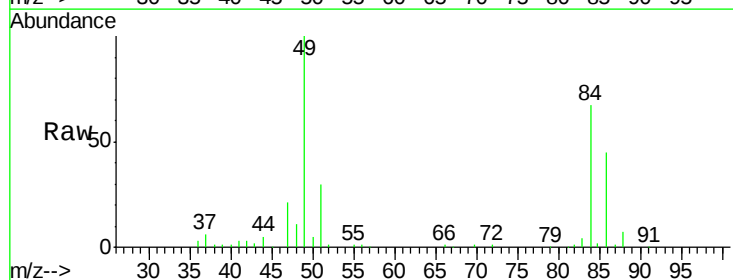
Manual Integrations
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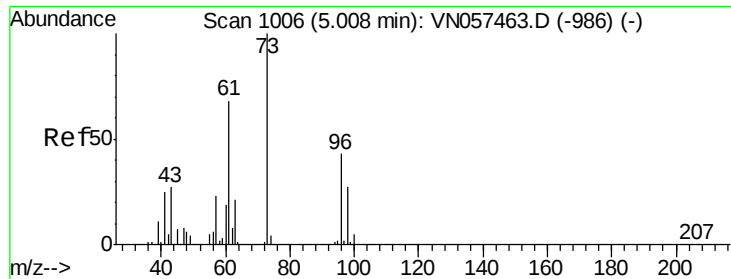
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#18
Methylene Chloride
Concen: 20.834 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.7	116.8	175.2
51	44.4	36.4	54.6
86	67.1	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 20.042 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

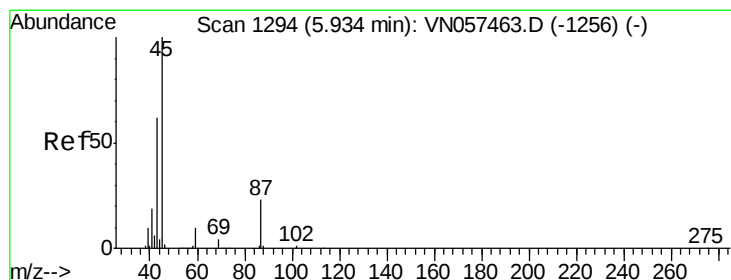
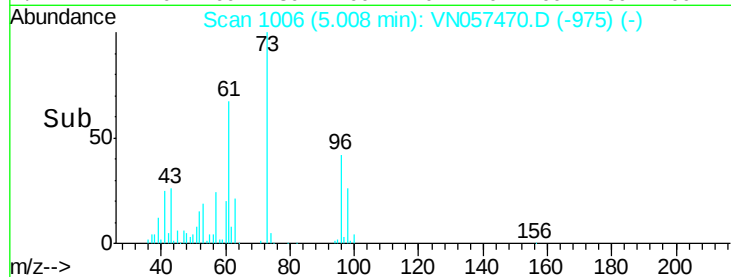
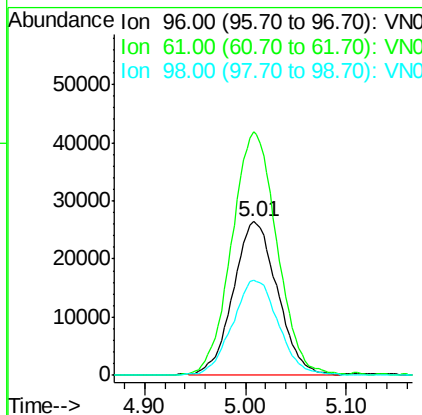
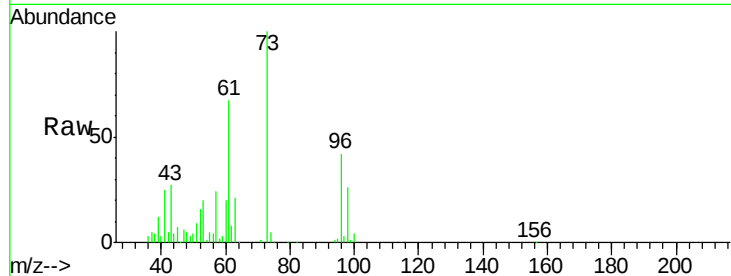
ClientSampleId :

VN0823WBS01

Tot Ion:	96	Resp:	80694
Ion	Ratio	Lower	Upper
96	100		
61	158.1	127.6	191.4
98	61.2	51.5	77.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.938 ug/l

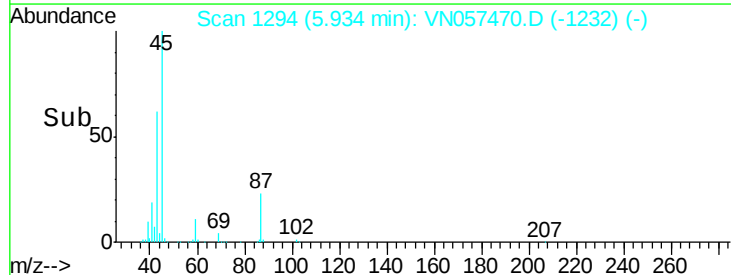
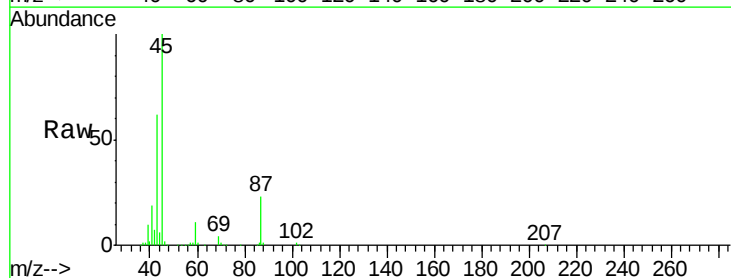
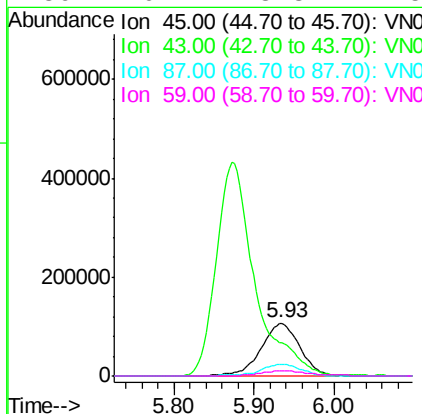
RT: 5.93 min Scan# 1294

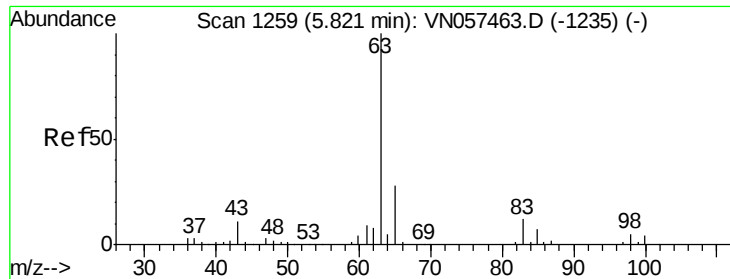
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	45	Resp:	355548
Ion	Ratio	Lower	Upper
45	100		
43	59.0	49.9	74.9
87	22.2	19.1	28.7
59	10.4	8.3	12.5





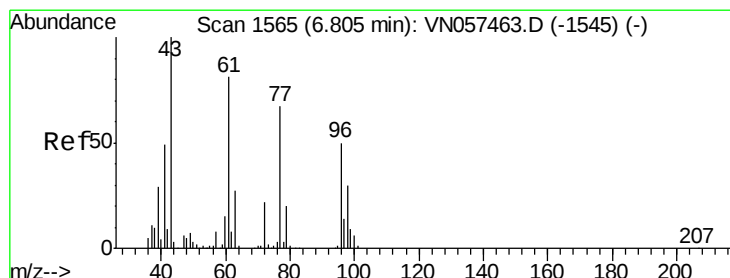
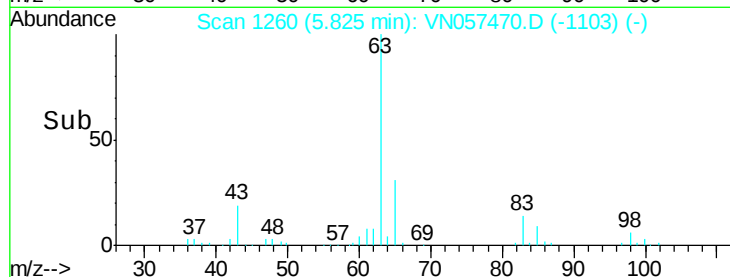
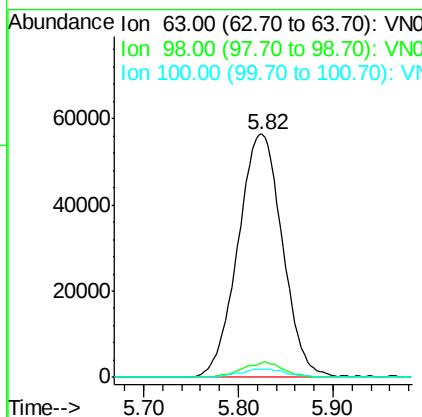
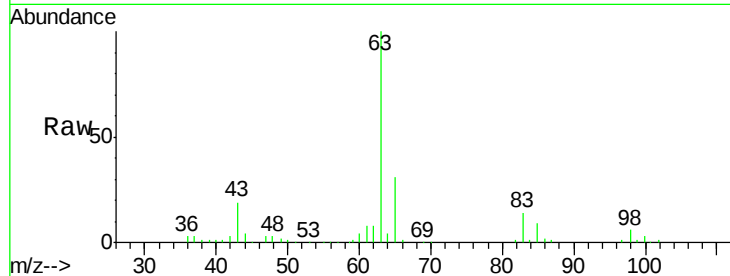
#21
 1,1-Dichloroethane
 Concen: 20.873 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion:	63	Resp:	184178
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.4	7.1
100	3.6	2.1	6.3

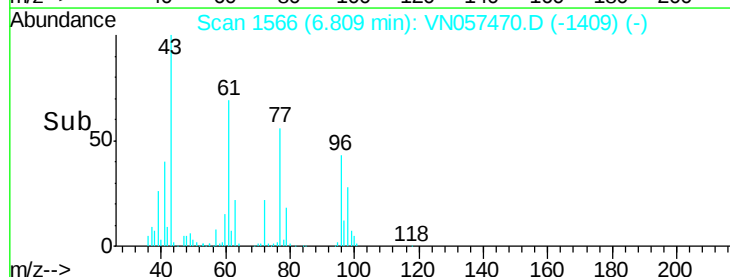
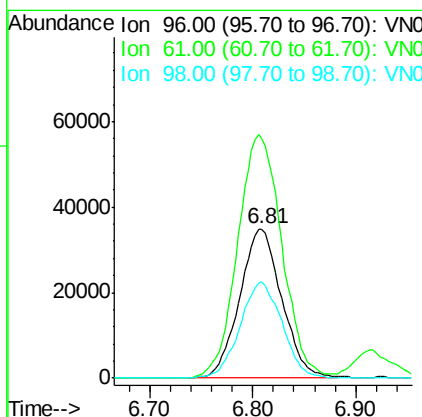
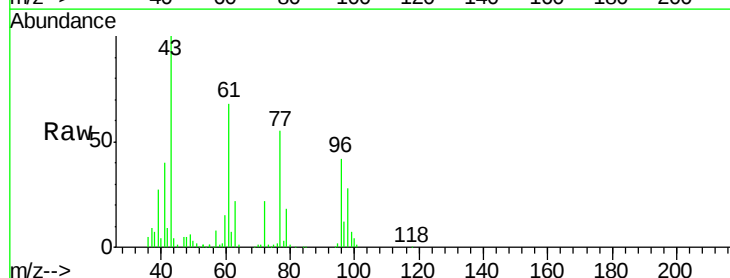
Manual Integrations
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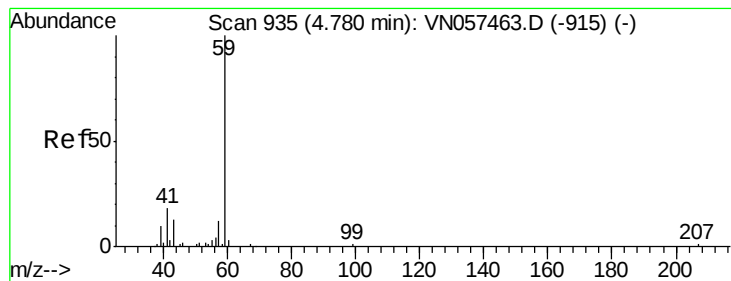
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#22
 cis-1,2-Dichloroethene
 Concen: 20.215 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion:	96	Resp:	98996
Ion Ratio	Lower	Upper	
96	100		
61	170.4	134.4	201.6
98	64.3	51.4	77.0





#23

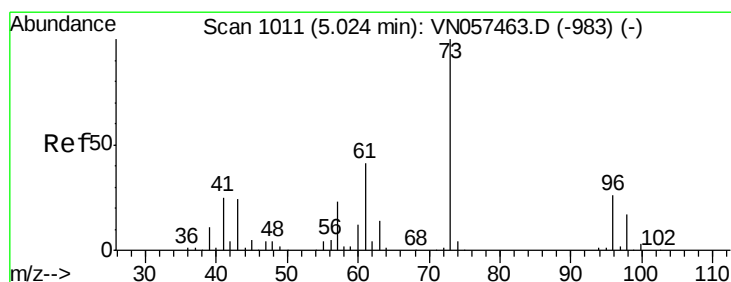
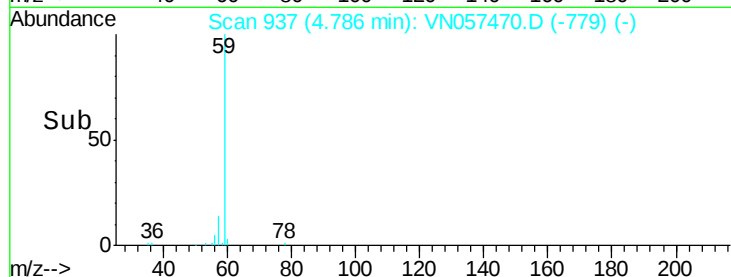
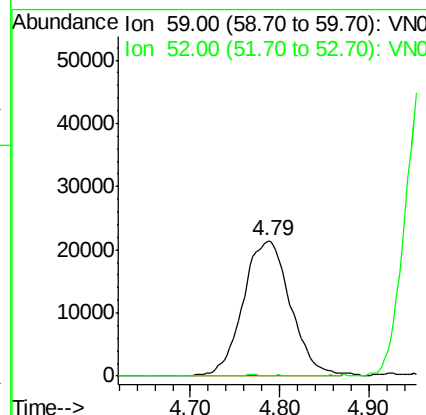
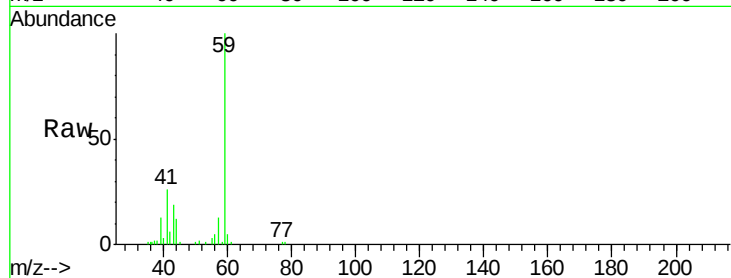
tert-Butyl Alcohol
 Concen: 105.436 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBS01

Tot Ion	59	52	Ratio	Lower	Upper
78145	100	0.1		0.1	0.1#

Manual Integrations
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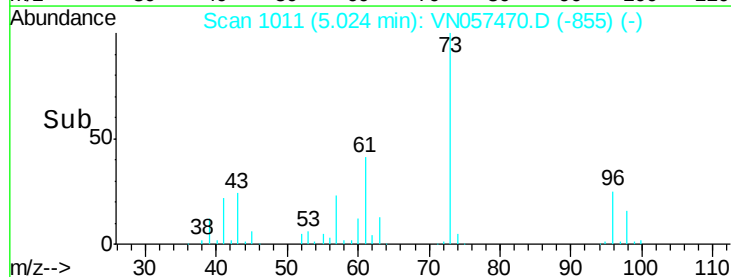
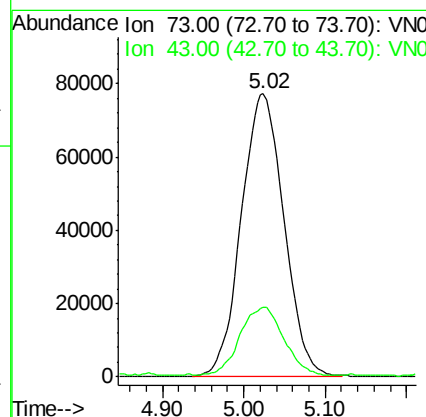
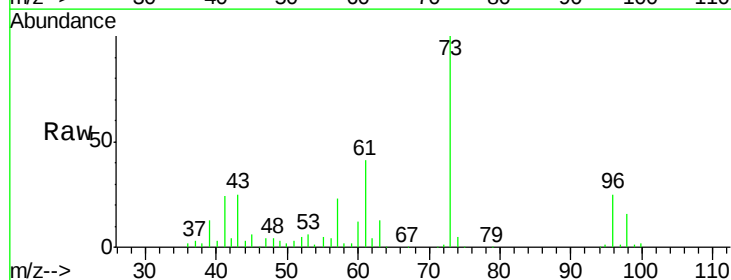
MMDadoda
 8/26/2019 1:12:14 PM

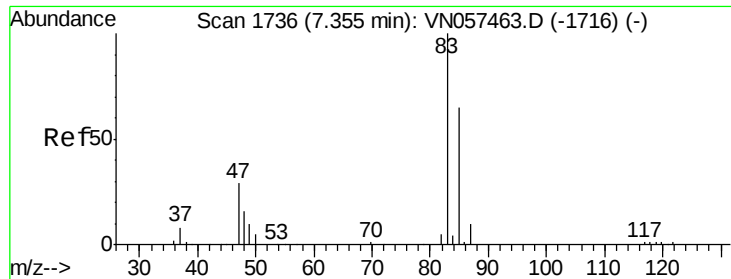


#24

Methyl tert-Butyl Ether
 Concen: 20.811 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	73	43	Ratio	Lower	Upper
280330	100	24.6		20.1	30.1





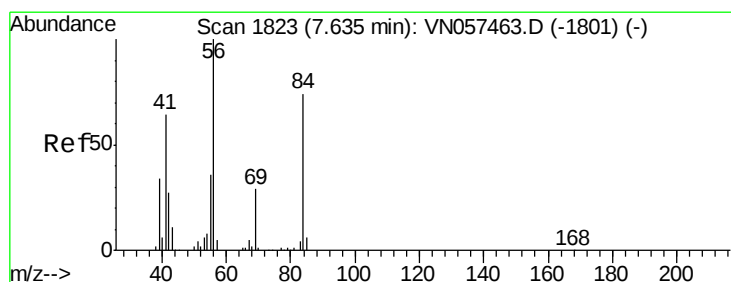
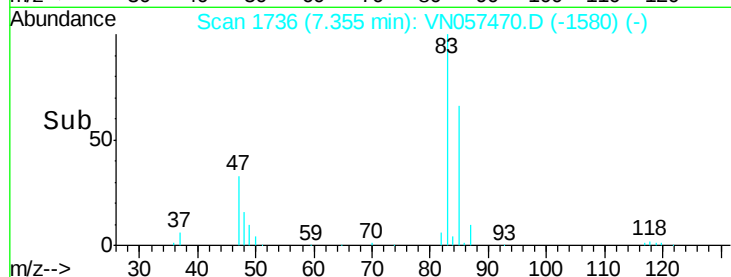
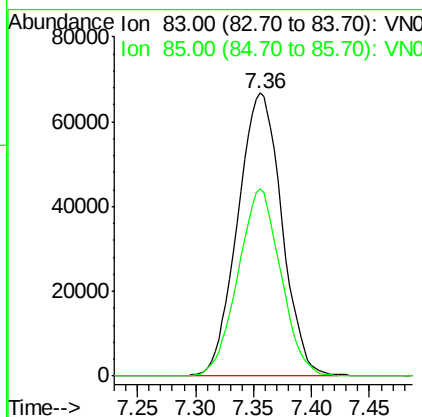
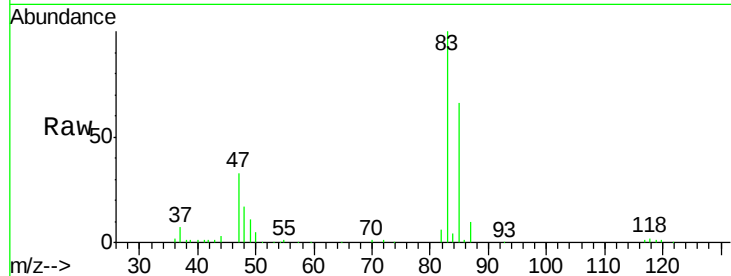
#25
Chloroform
Concen: 20.202 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	83	Resp	176979
Ion Ratio	100	Lower	Upper
85	66.2	52.0	78.0

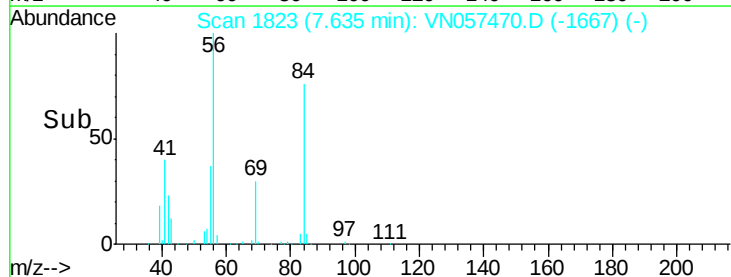
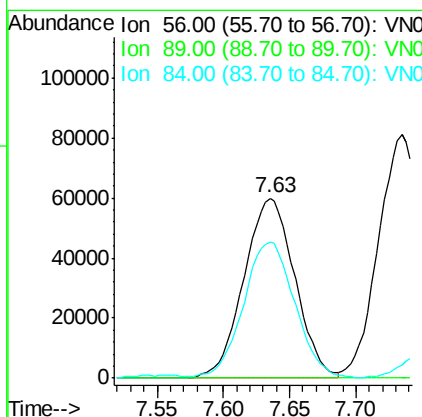
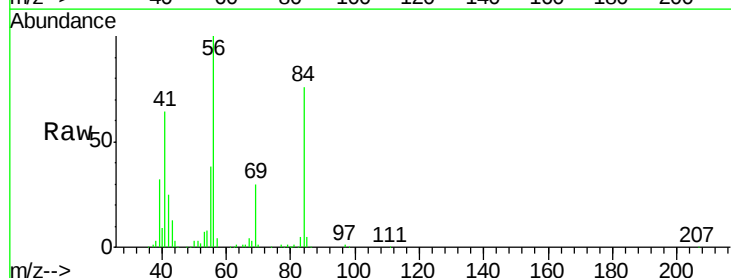
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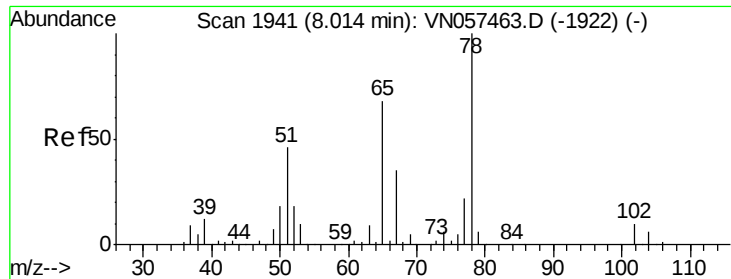
MMDadoda
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#26
Cyclohexane
Concen: 20.263 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	56	Resp	159212
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	75.9	61.1	91.7





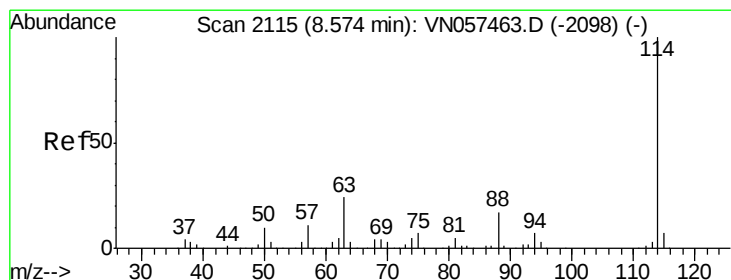
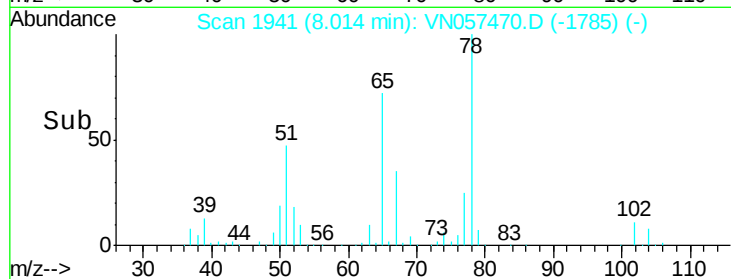
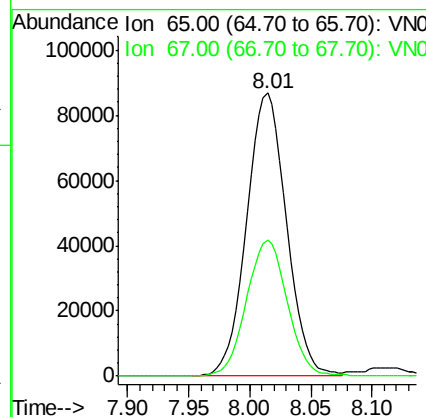
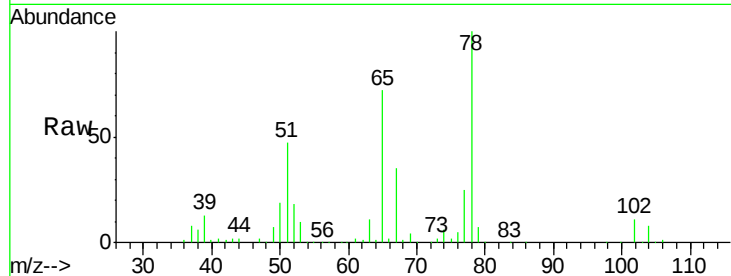
#27
 1,2-Dichloroethane-d4
 Concen: 30.094 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195968		
67	49.4	40.2	60.4	

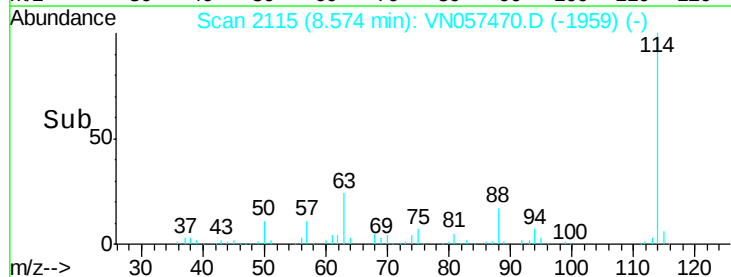
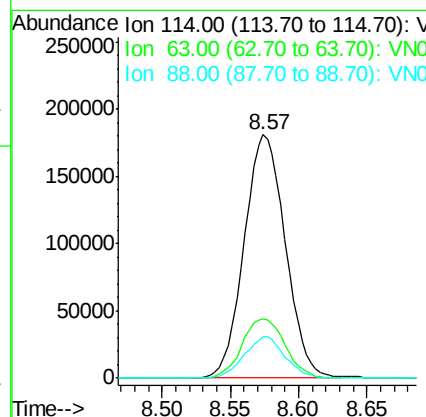
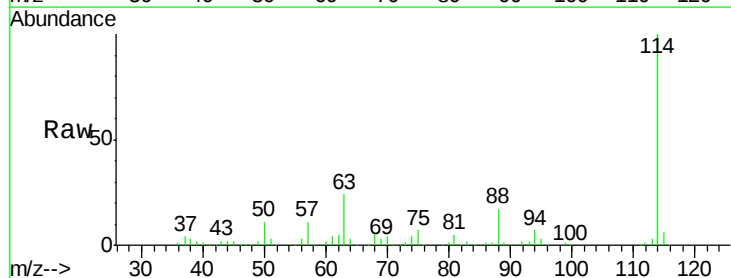
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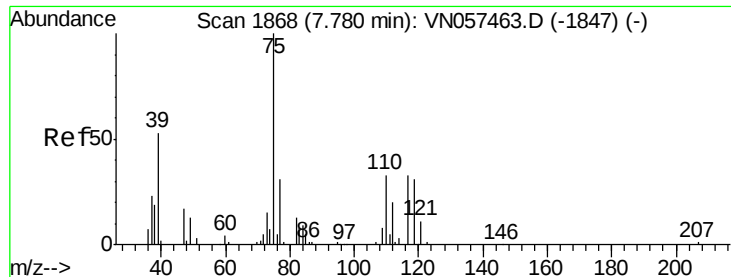
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	380005		
63	25.5	19.6	29.4	
88	16.7	13.1	19.7	





#29

1,1-Dichloropropene

Concen: 20.296 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

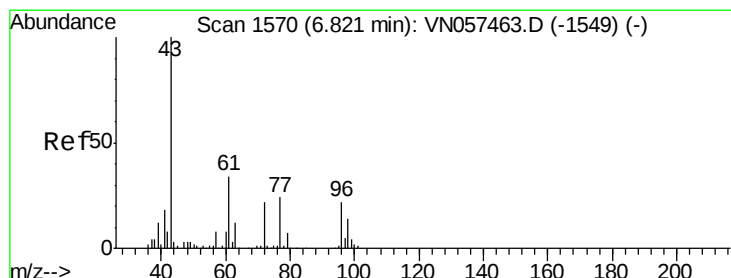
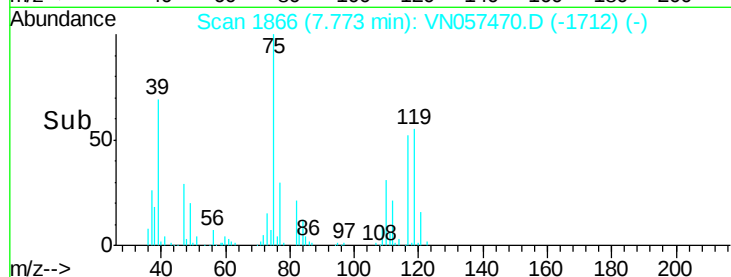
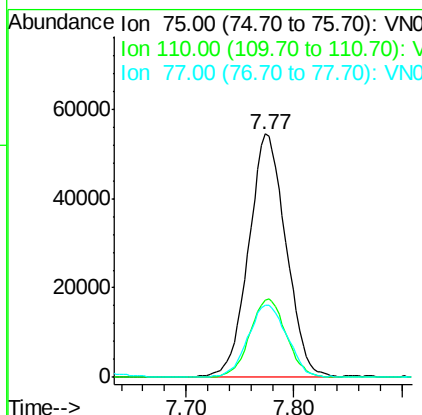
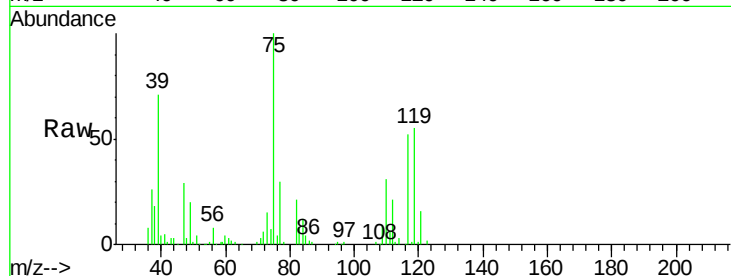
ClientSampleId :

VN0823WBS01

Tot Ion:	75	Resp:	131077
Ion Ratio	Lower	Upper	
75	100		
110	31.2	0.0	64.0
77	30.6	0.0	63.4

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#30

2-Butanone

Concen: 103.894 ug/l

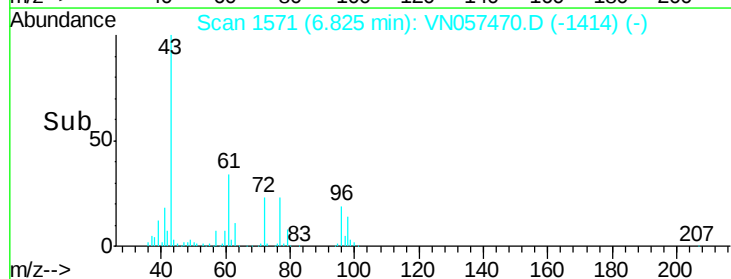
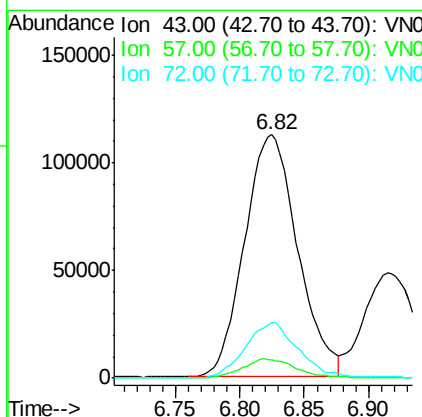
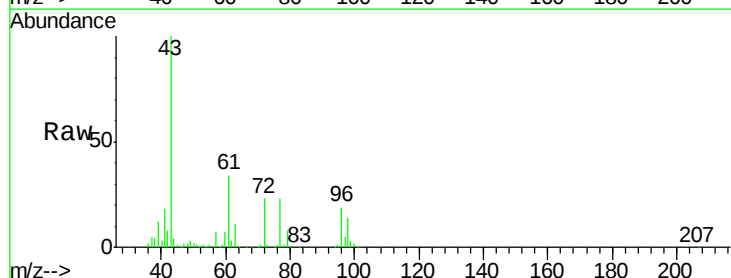
RT: 6.82 min Scan# 1571

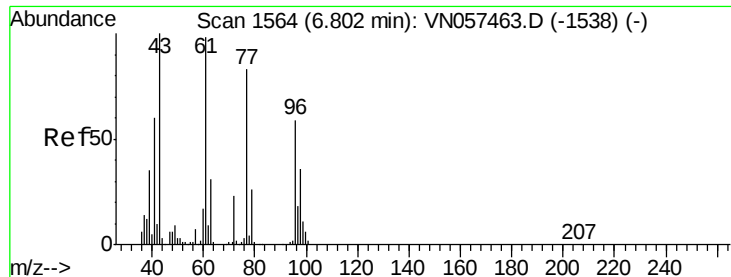
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	43	Resp:	322596
Ion Ratio	Lower	Upper	
43	100		
57	8.1	5.7	8.5
72	22.8	18.2	27.2





#31

2,2-Dichloropropane

Concen: 21.117 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 77 Resp: 155821

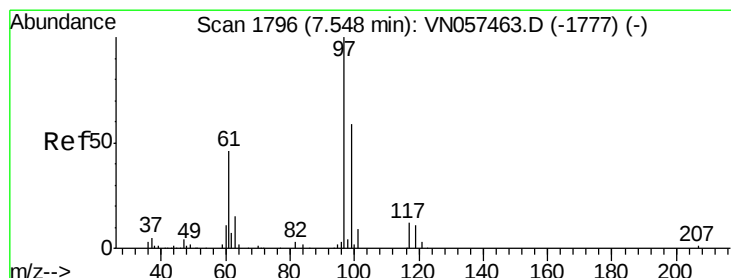
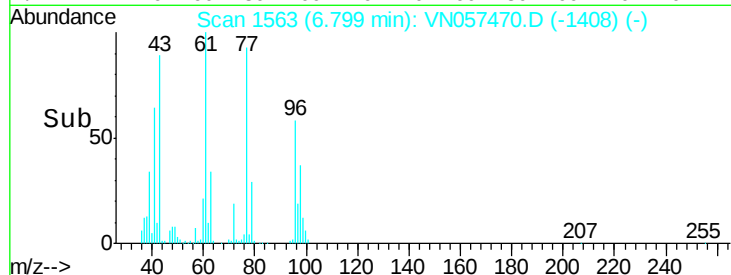
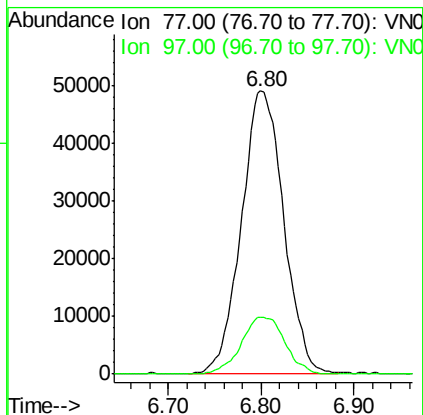
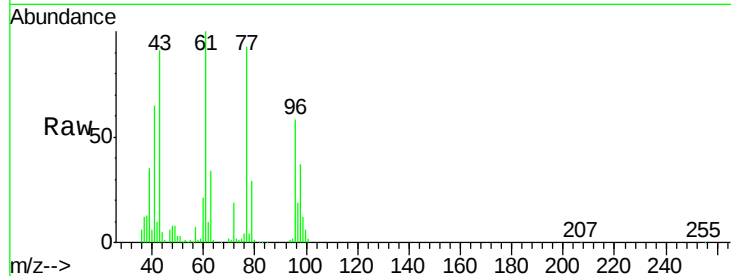
Ion Ratio Lower Upper

77 100

97 20.8 17.0 25.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.512 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

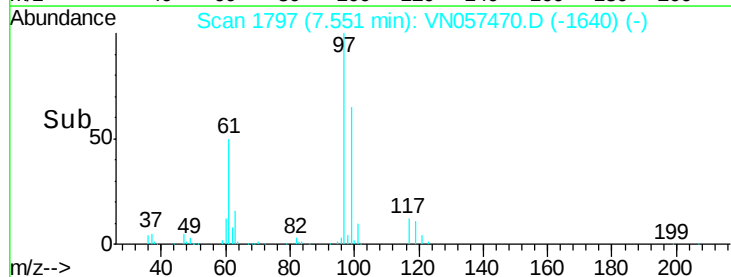
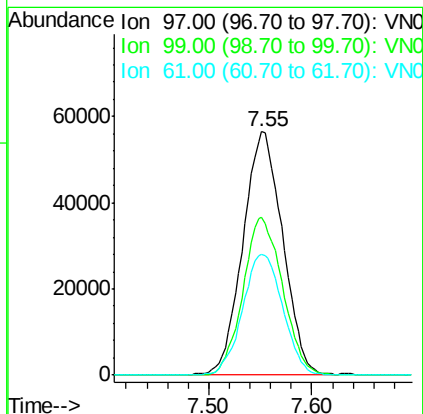
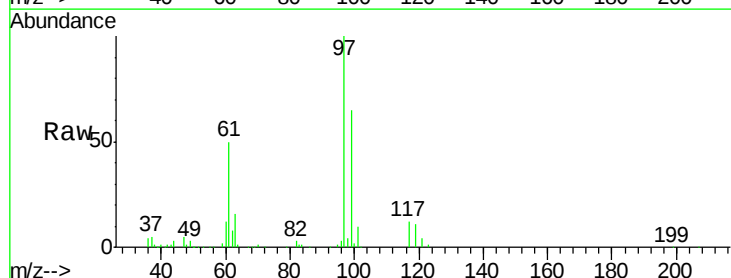
Tgt Ion: 97 Resp: 151437

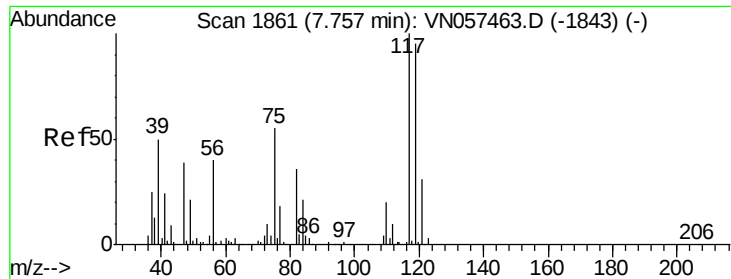
Ion Ratio Lower Upper

97 100

99 64.2 49.6 74.4

61 50.2 40.9 61.3





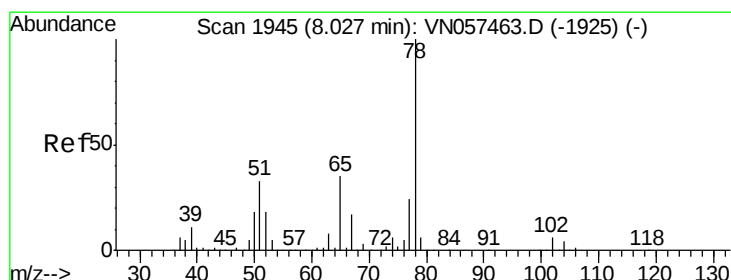
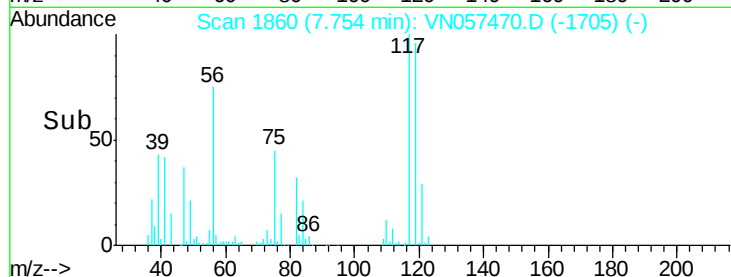
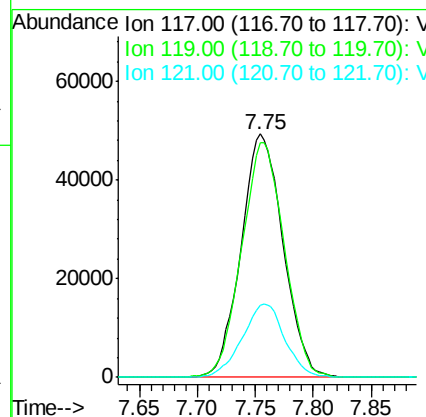
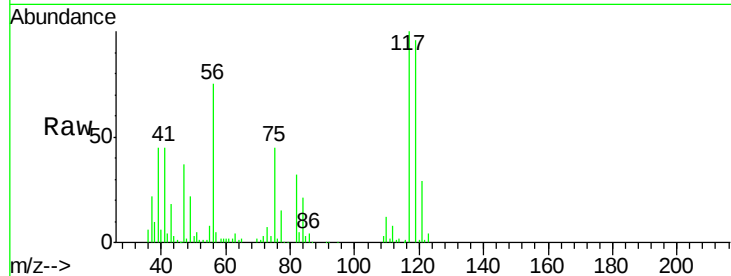
#33
Carbon Tetrachloride
Concen: 20.325 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.8	115.2
121	29.4	24.8	37.2

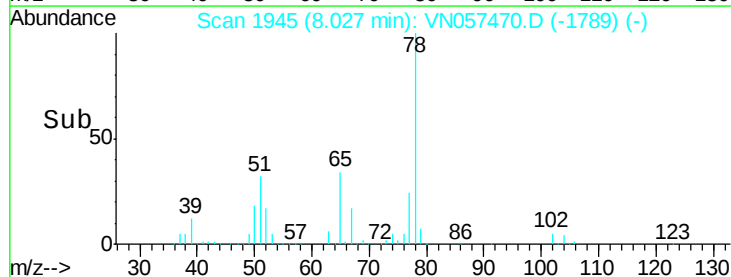
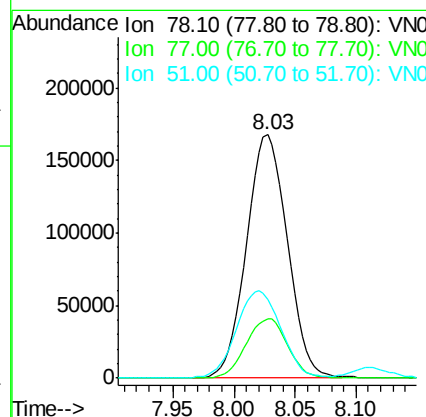
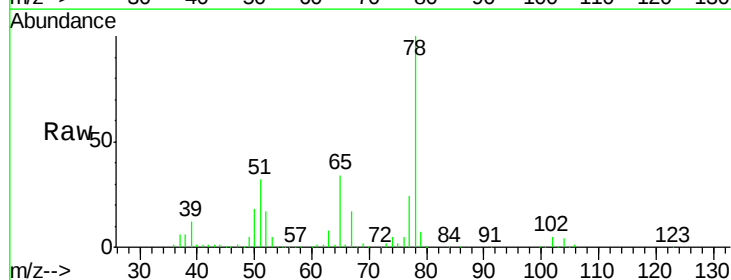
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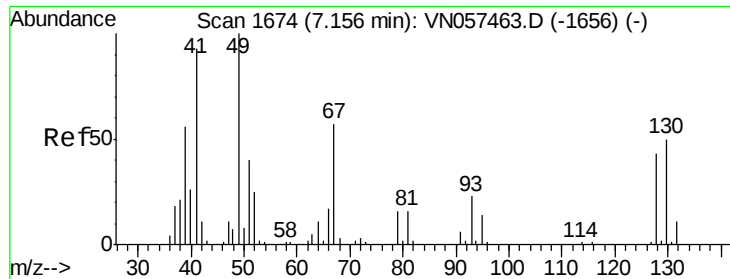
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#34
Benzene
Concen: 20.502 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3
51	32.0	26.0	39.0





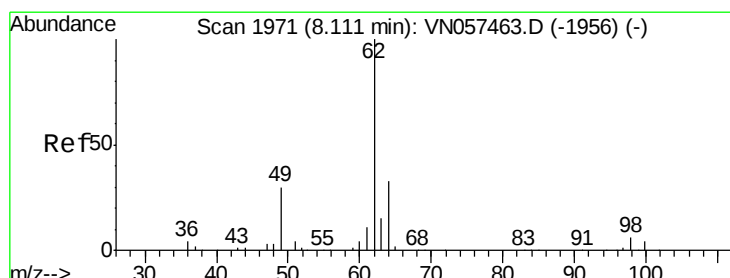
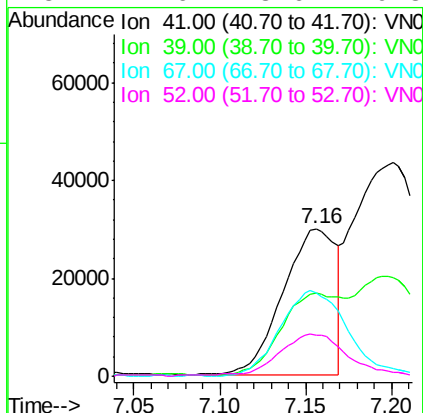
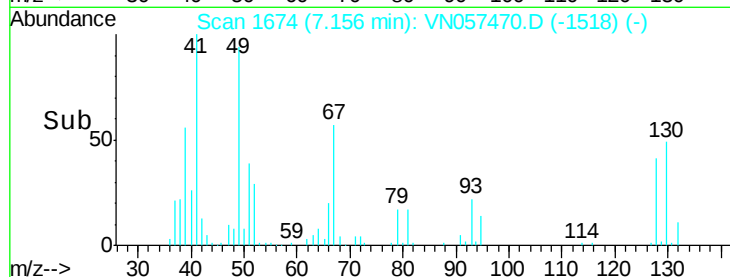
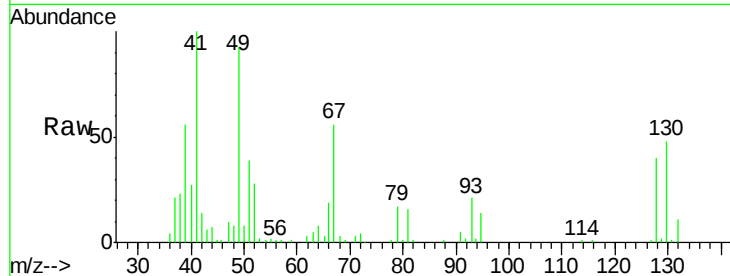
#35
Methacrylonitrile
Concen: 20.420 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion:	41	Resp:	64169
Ion	Ratio	Lower	Upper
41	100		
39	55.6	30.5	91.5
67	56.2	30.9	92.5
52	27.6	13.6	40.8

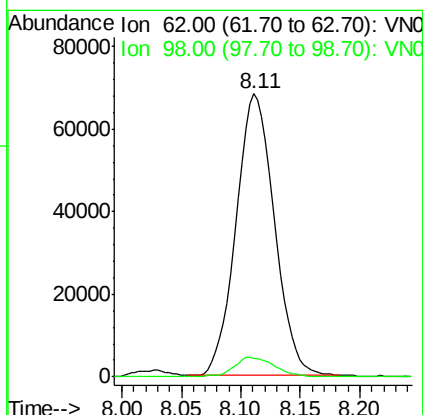
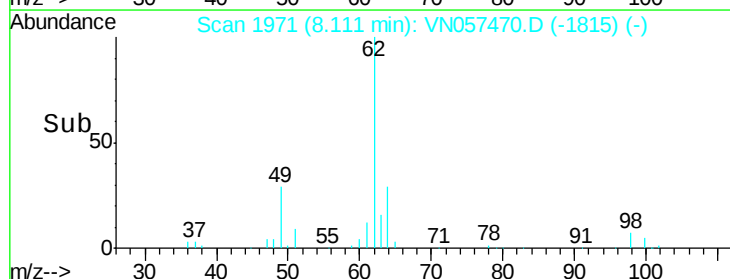
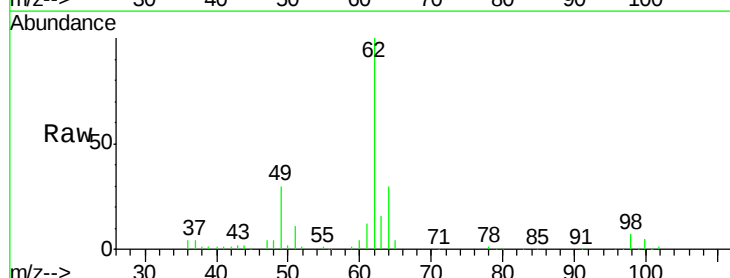
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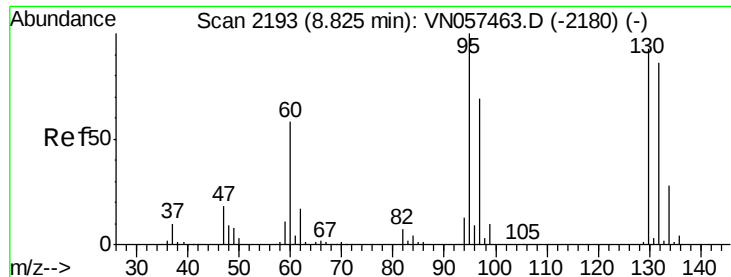
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#36
1,2-Dichloroethane
Concen: 20.524 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion:	62	Resp:	152801
Ion	Ratio	Lower	Upper
62	100		
98	7.4	2.8	4.2#





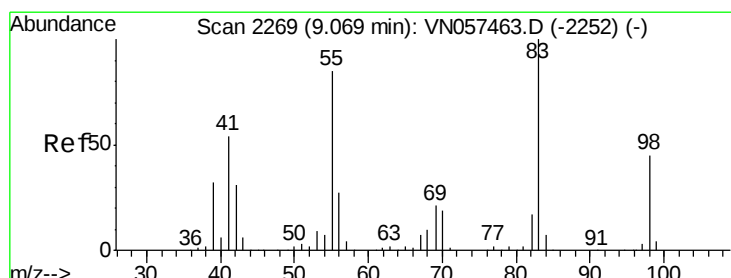
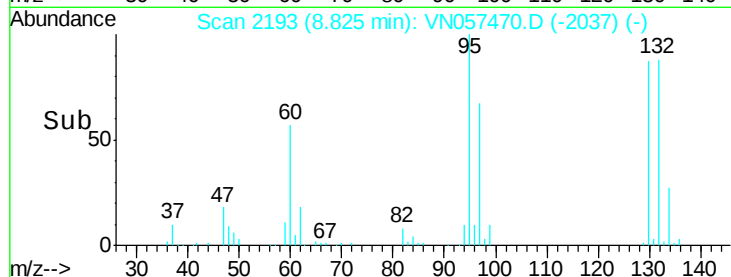
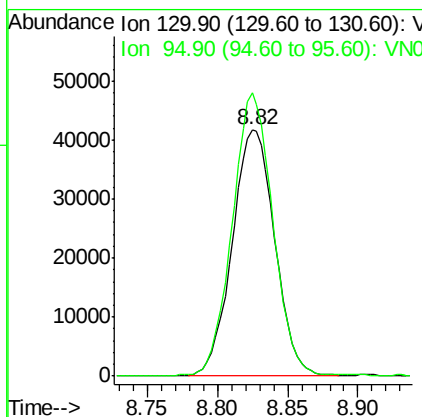
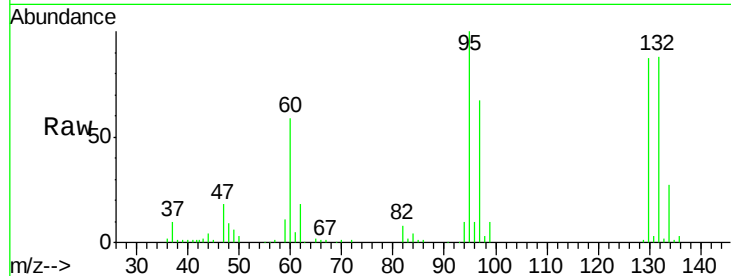
#37
 Trichloroethene
 Concen: 20.335 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion:130 Resp: 88111
 Ion Ratio Lower Upper
 130 100
 95 114.1 86.4 129.6

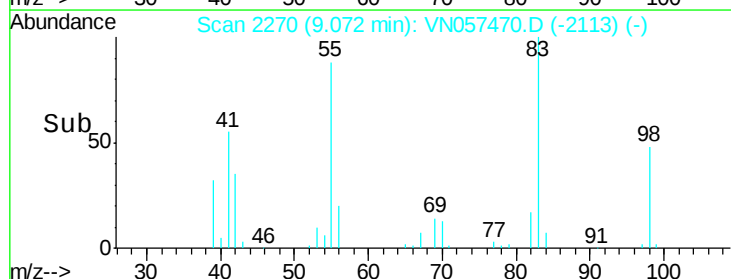
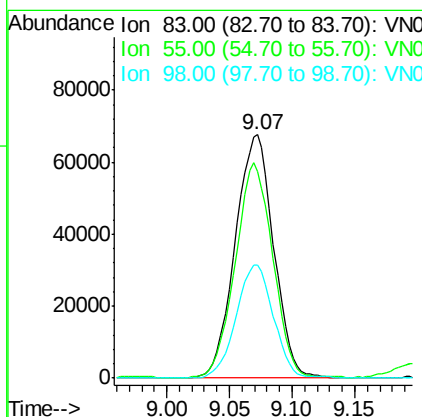
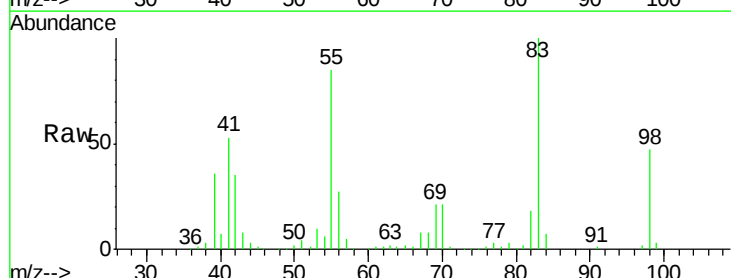
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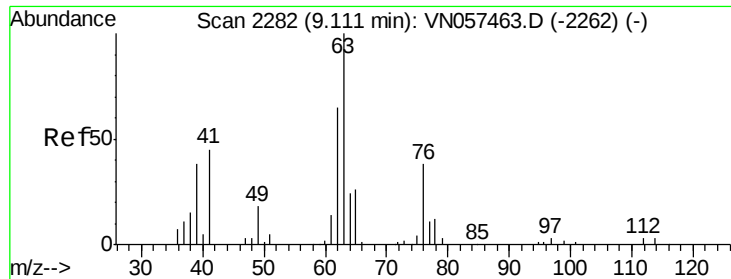
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#38
 Methylcyclohexane
 Concen: 19.834 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 83 Resp: 143774
 Ion Ratio Lower Upper
 83 100
 55 85.9 43.3 129.8
 98 45.4 22.8 68.4





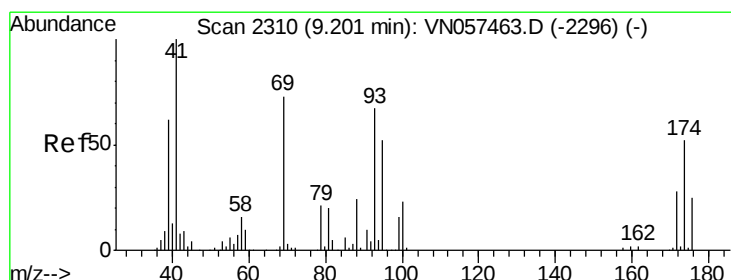
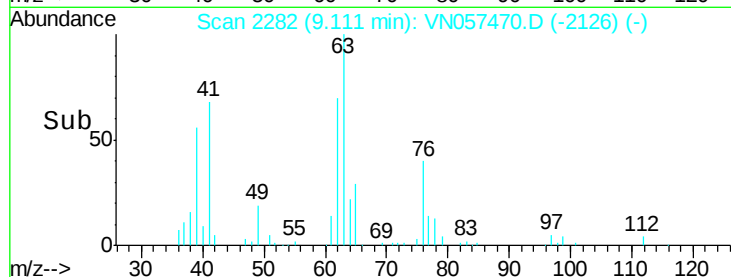
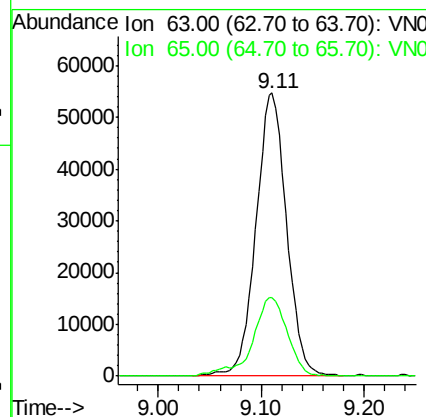
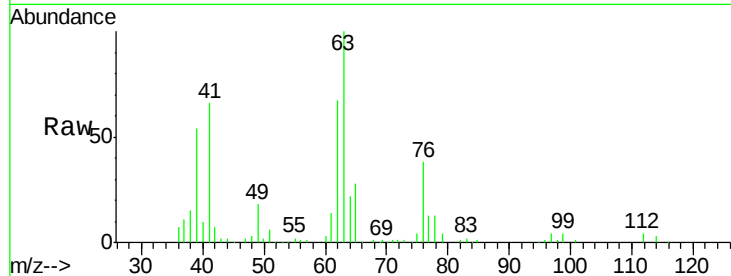
#39
 1,2-Dichloropropane
 Concen: 20.825 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion: 63 Resp: 112458
 Ion Ratio Lower Upper
 63 100
 65 27.3 21.6 32.4

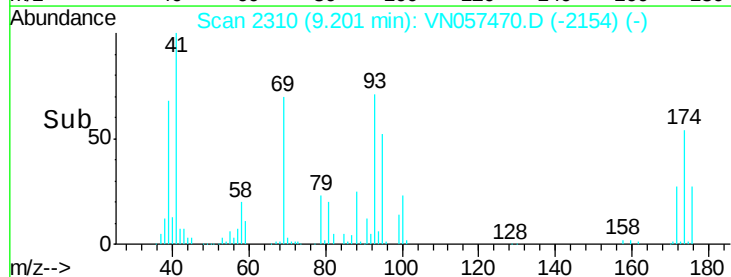
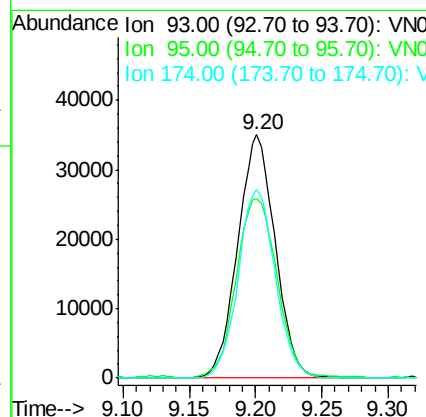
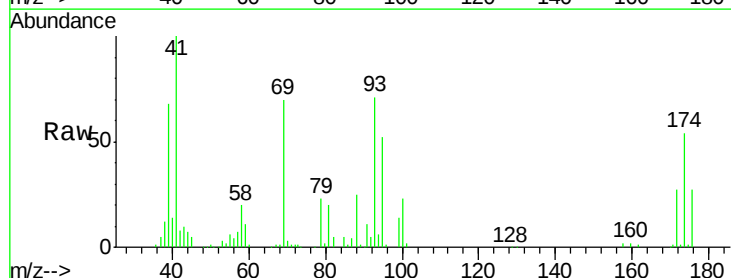
Manual Integrations
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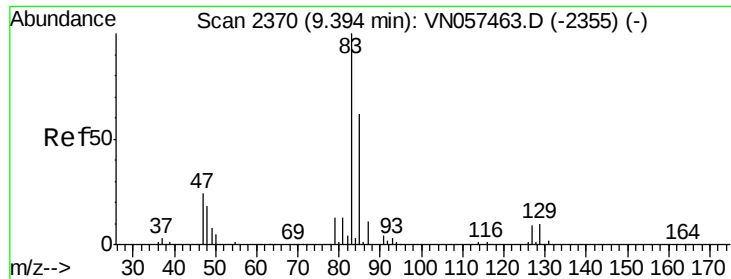
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#40
 Dibromomethane
 Concen: 20.908 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 93 Resp: 69003
 Ion Ratio Lower Upper
 93 100
 95 80.8 0.0 160.8
 174 76.6 0.0 157.2





#41

Bromodichloromethane

Concen: 20.012 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

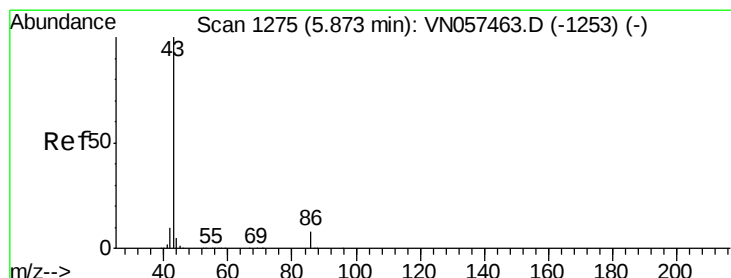
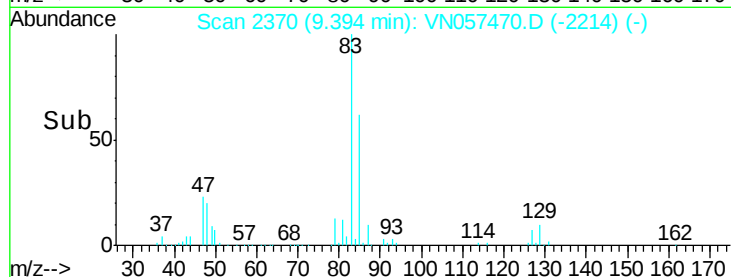
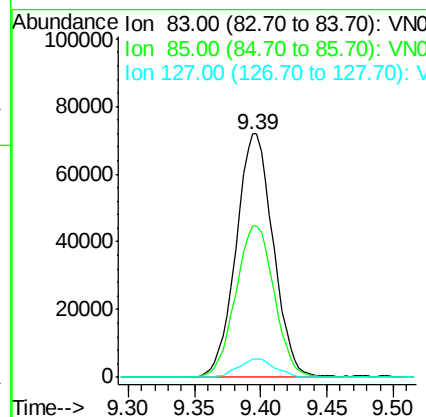
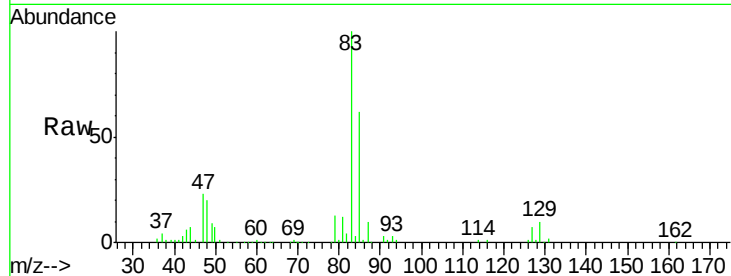
ClientSampleId :

VN0823WBS01

Tot Ion:	83	Resp:	140072
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.8	74.8
127	7.5	7.6	11.4#

Manual Integrations
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#42

Vinyl Acetate

Concen: 103.492 ug/l

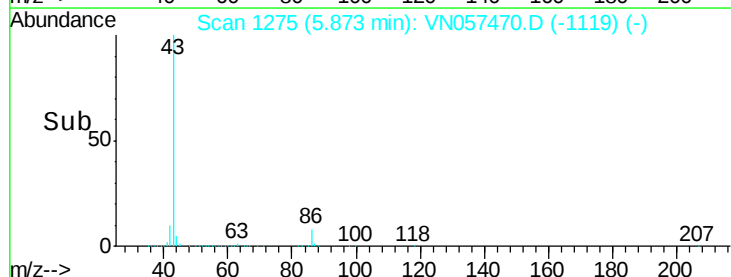
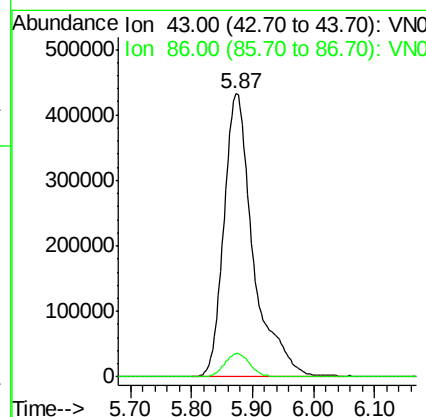
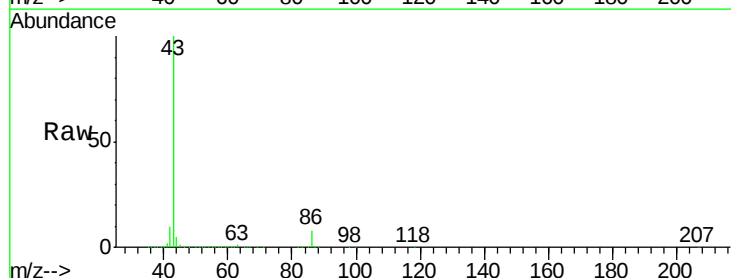
RT: 5.87 min Scan# 1275

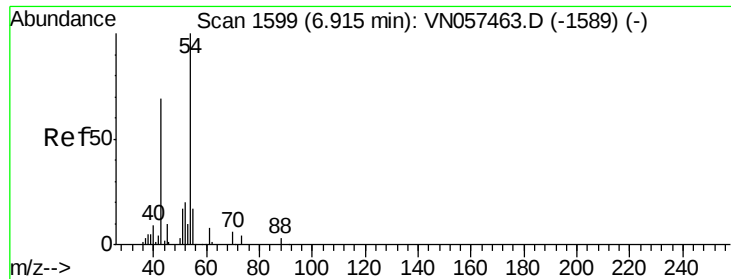
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	43	Resp:	1438052
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.7	8.5





#43

Ethyl Acetate

Concen: 24.445 ug/l m

RT: 6.91 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 43 Resp: 147745

Ion Ratio Lower Upper

43 100

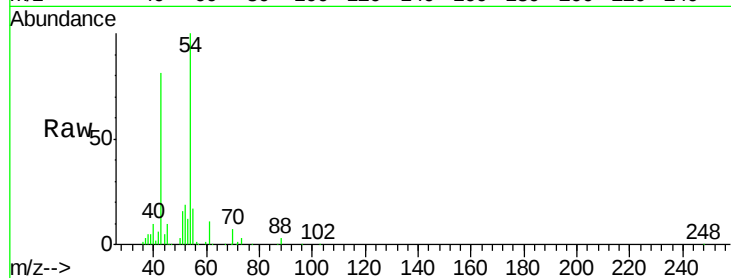
45 0.0 11.0 16.4#

Manual Integrations

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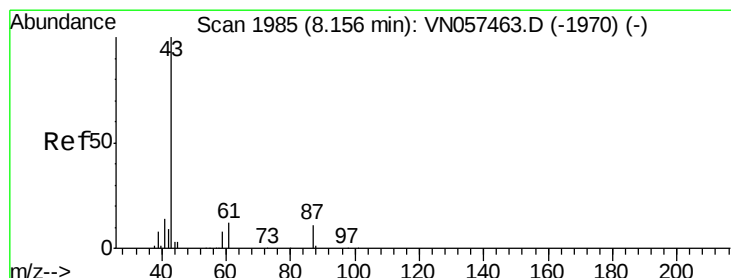
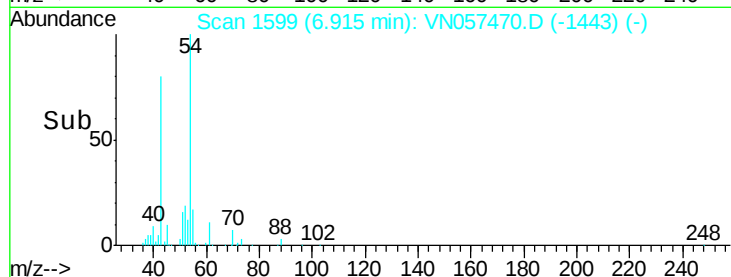
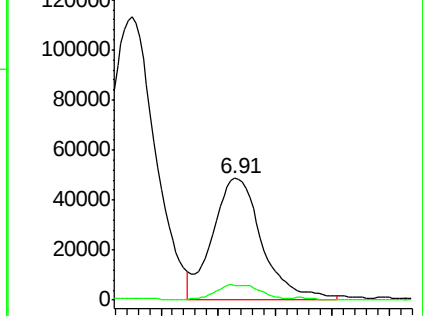
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.731 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057470.D

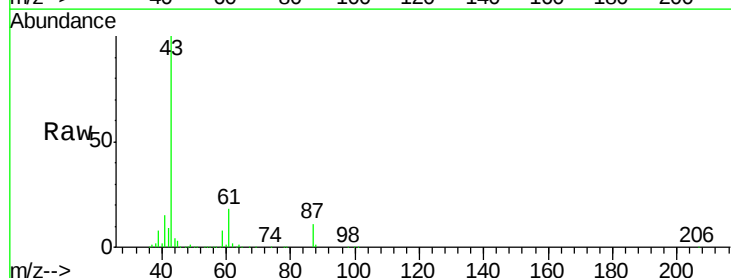
Acq: 23 Aug 2019 13:24

Tgt Ion: 43 Resp: 239181

Ion Ratio Lower Upper

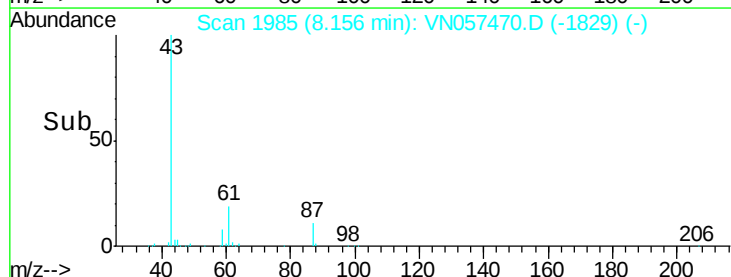
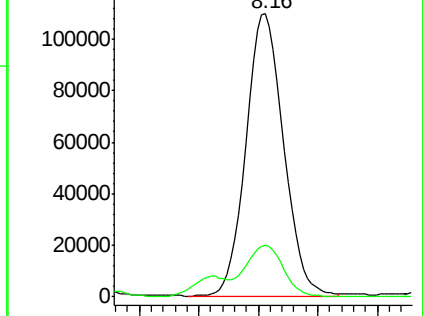
43 100

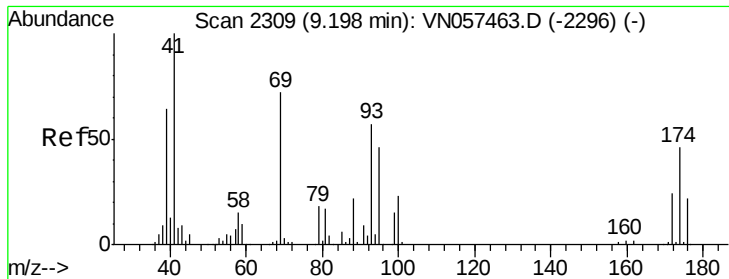
61 18.5 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 429.936 ug/l m

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

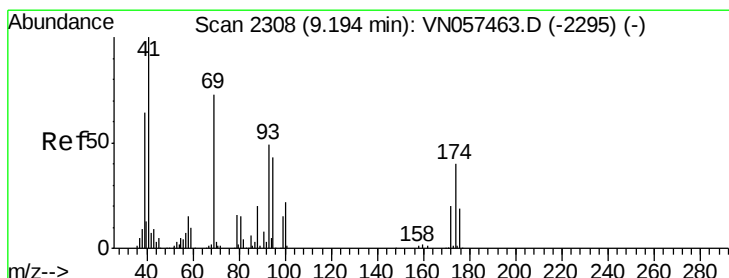
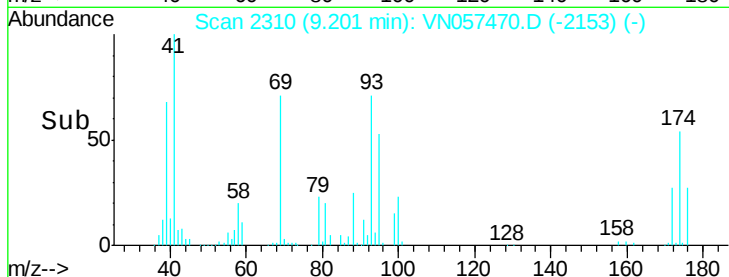
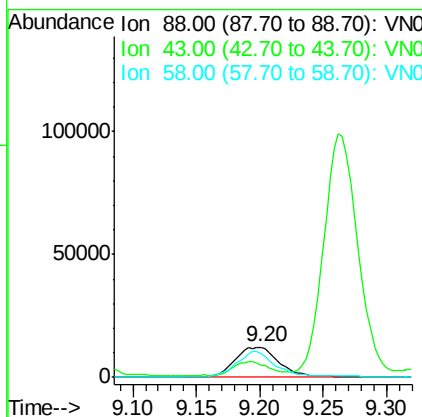
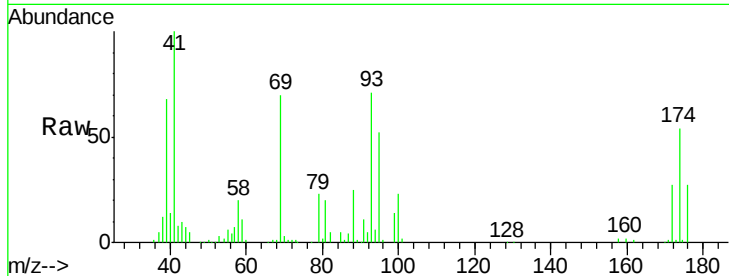
ClientSampleId :

VN0823WBS01

Tot Ion:	88	Resp:	29816
Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.8	44.6
58	74.6	62.2	93.2

Manual Integrations
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#46

Methyl methacrylate

Concen: 20.962 ug/l

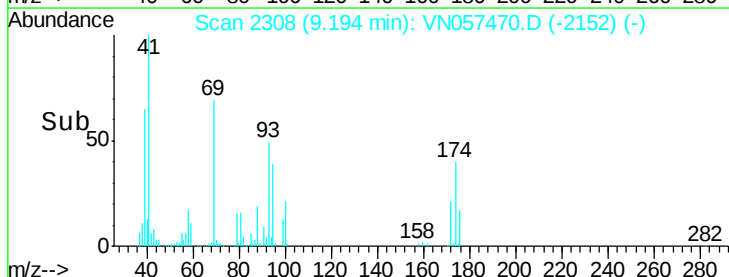
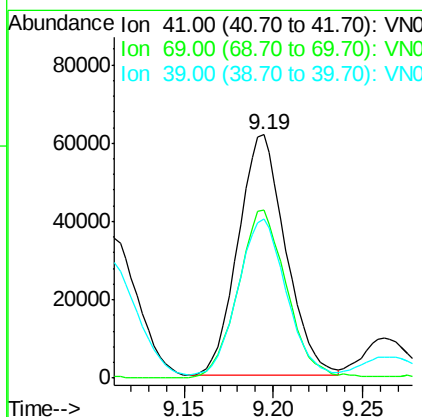
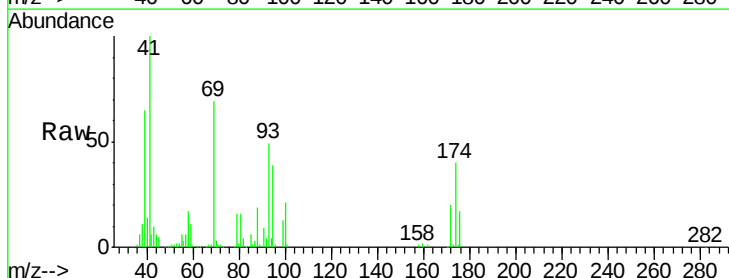
RT: 9.19 min Scan# 2308

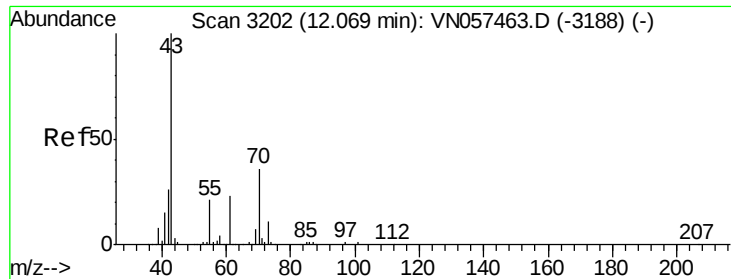
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	41	Resp:	114855
Ion	Ratio	Lower	Upper
41	100		
69	69.4	36.5	109.5
39	64.5	32.1	96.3





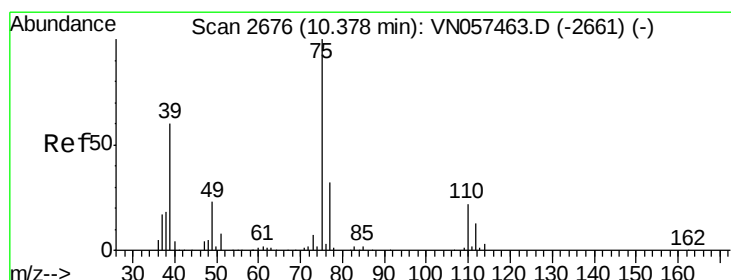
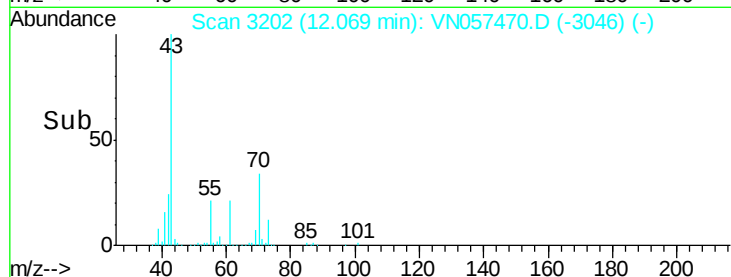
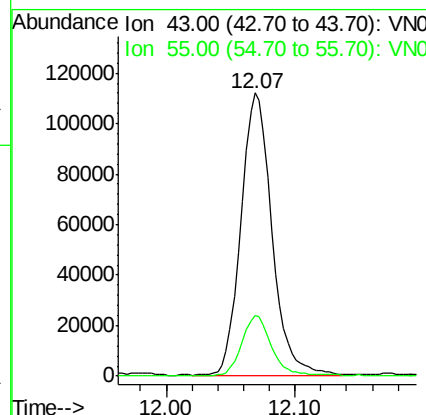
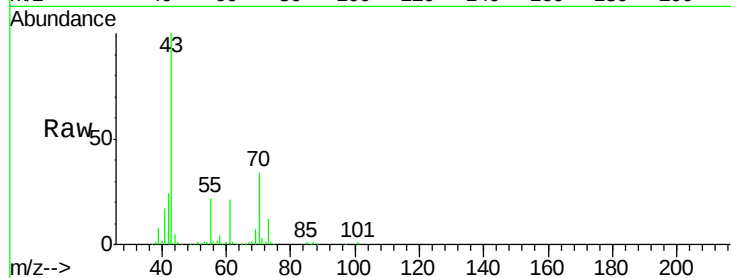
#47
n-amyl Acetate
Concen: 20.006 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion: 43 Resp: 185773
Ion Ratio Lower Upper
43 100
55 19.9 17.0 25.6

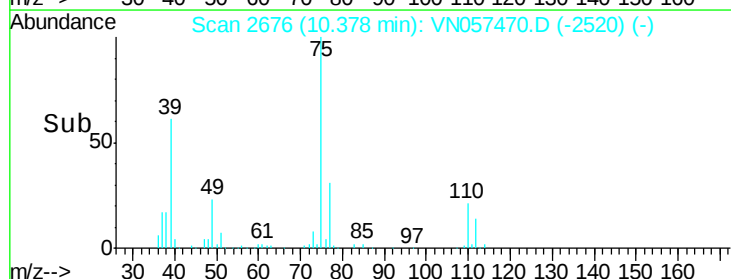
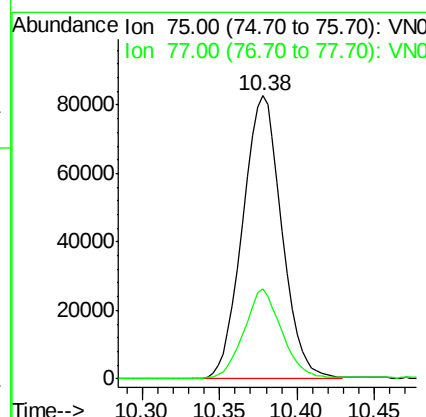
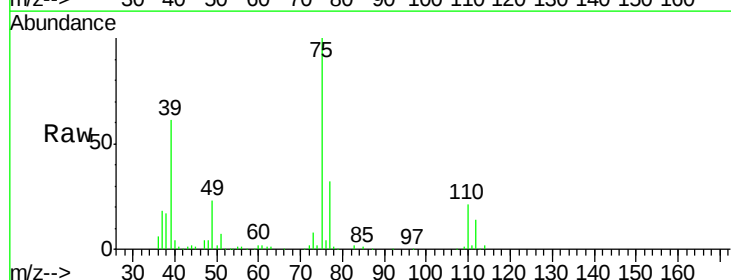
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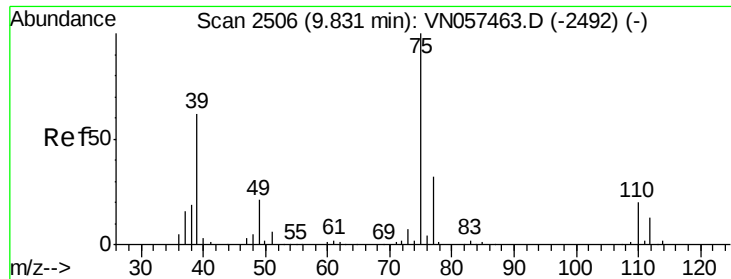
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#48
t-1,3-Dichloropropene
Concen: 19.764 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion: 75 Resp: 146143
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5





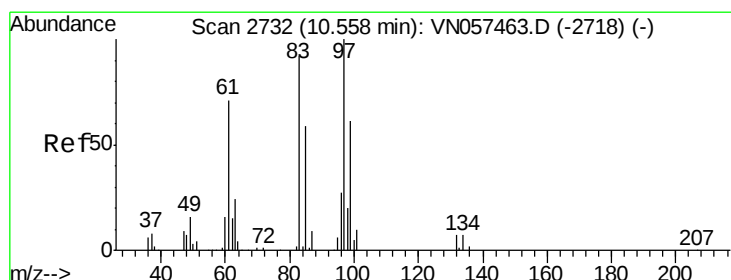
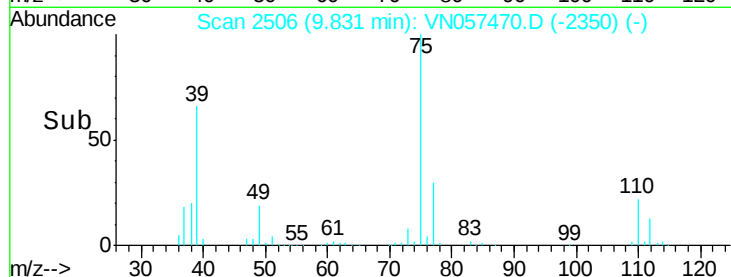
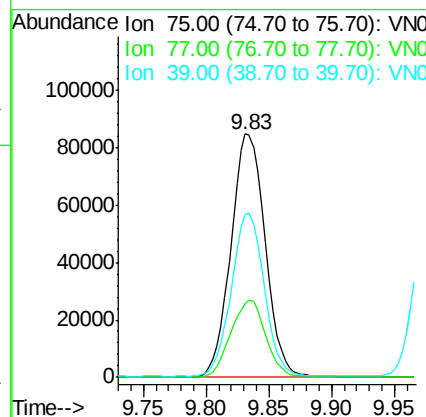
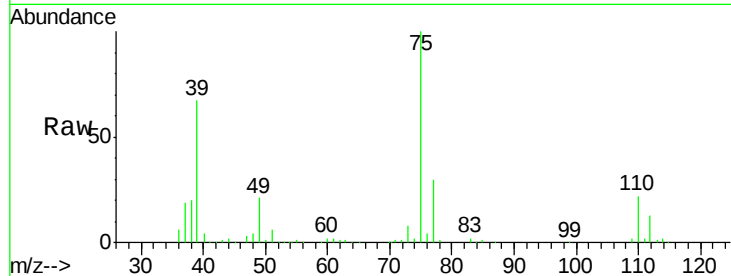
#49
 cis-1,3-Dichloropropene
 Concen: 19.900 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.4	38.0
39	66.4	49.8	74.6

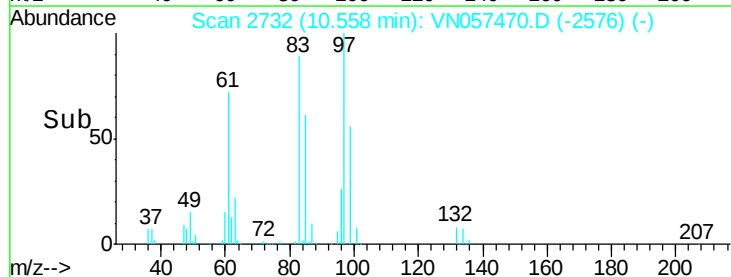
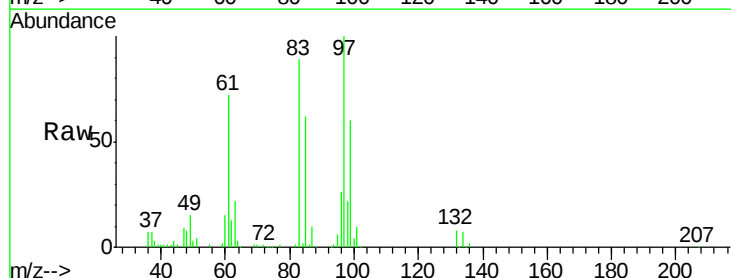
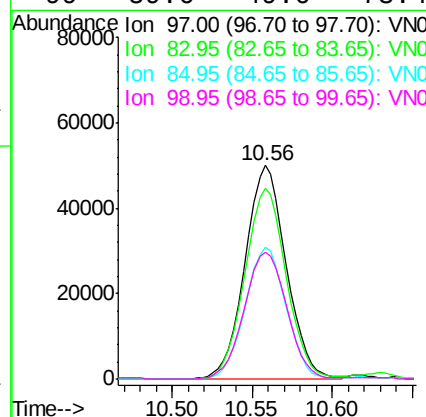
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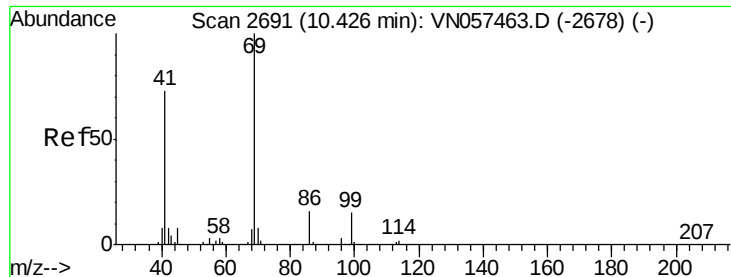
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 8/26/2019 1:12:14 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.339 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.2	109.8
85	61.7	47.1	70.7
99	59.6	49.0	73.4





#51

Ethyl methacrylate

Concen: 19.884 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

Tot Ion: 69 Resp: 143042

Ion Ratio Lower Upper

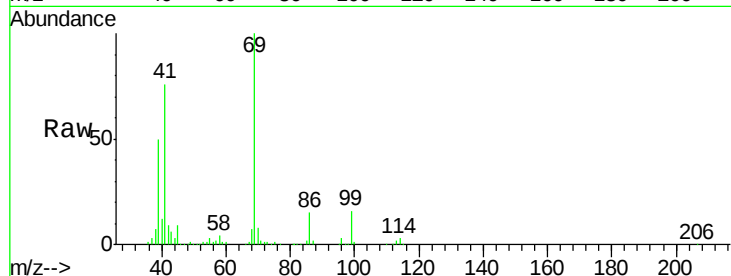
69 100

41 75.1 37.0 111.1

39 48.9 24.4 73.4

Manual Integrations
APPROVED

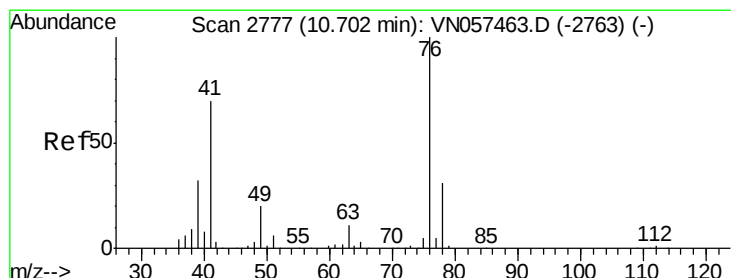
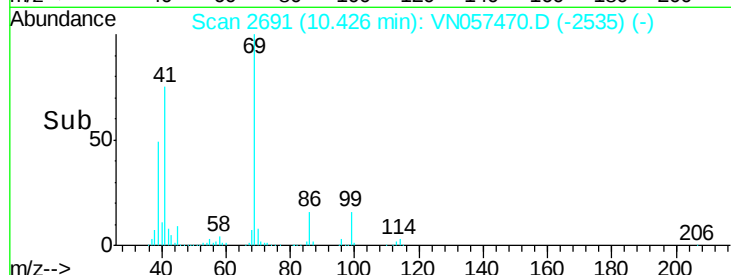
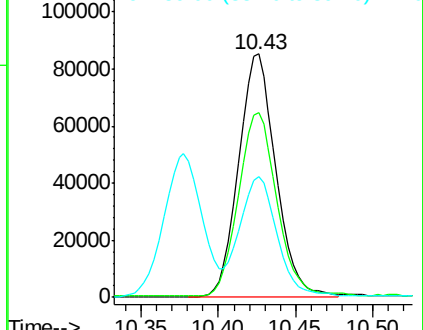
MMDadoda
8/26/2019 1:12:14 PM



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.148 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057470.D

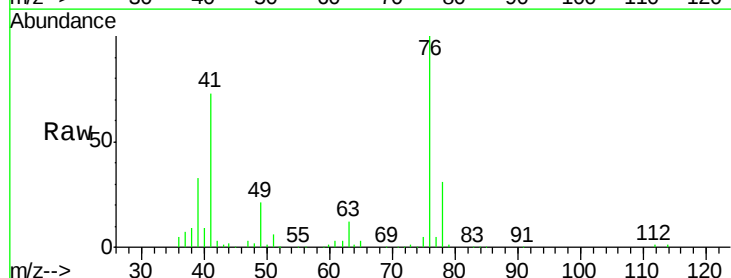
Acq: 23 Aug 2019 13:24

Tgt Ion: 76 Resp: 158967

Ion Ratio Lower Upper

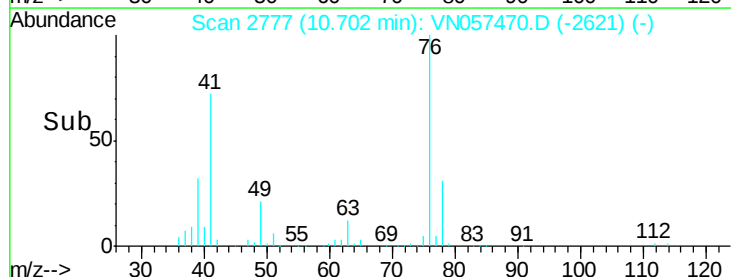
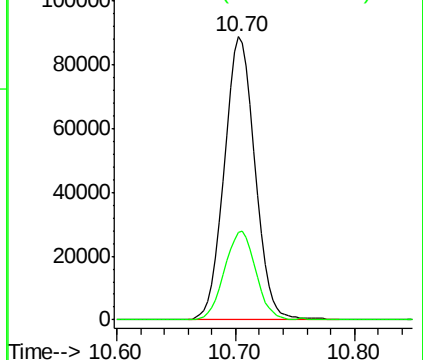
76 100

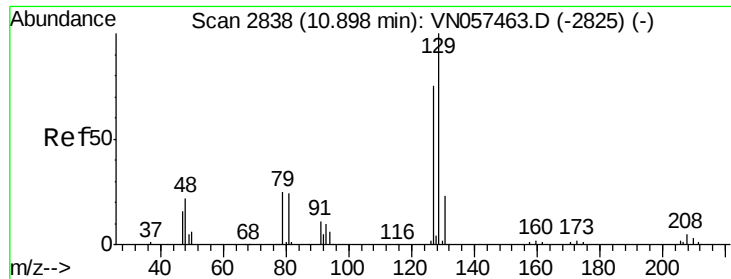
78 31.9 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





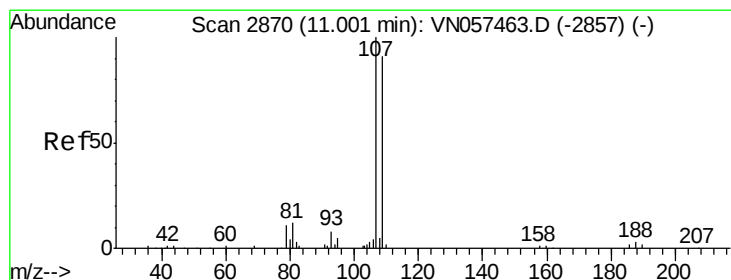
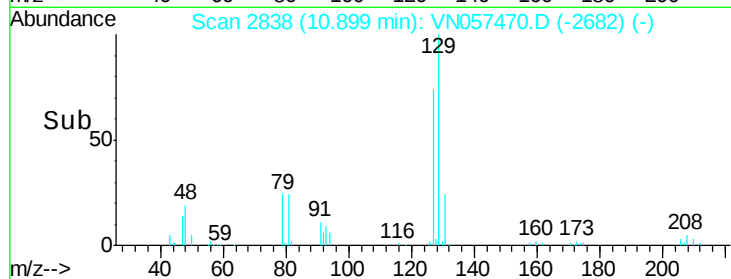
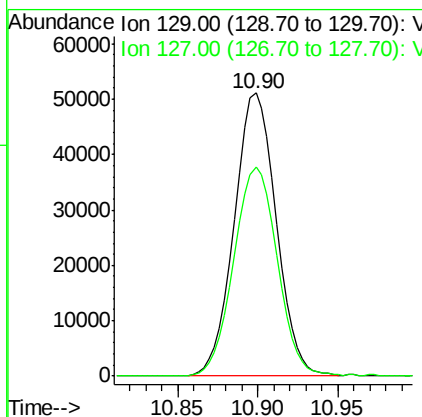
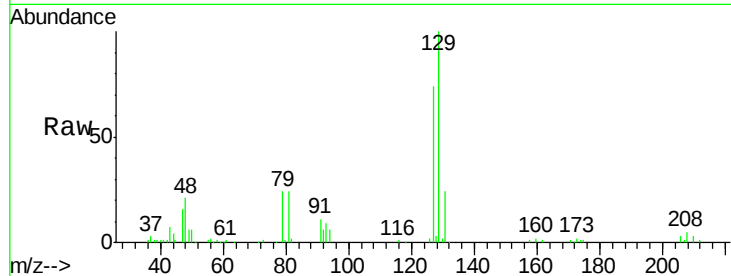
#53
 Dibromochloromethane
 Concen: 19.851 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		91580		
127	76.7	38.1	114.3		

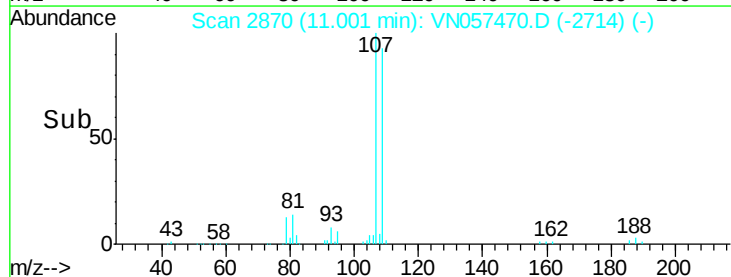
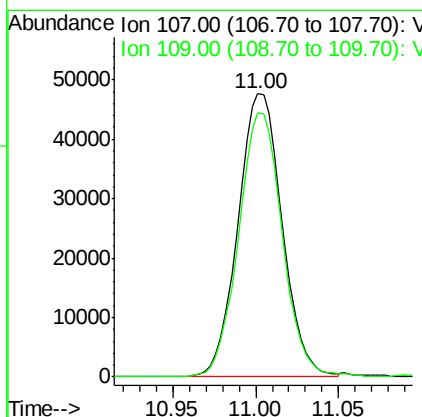
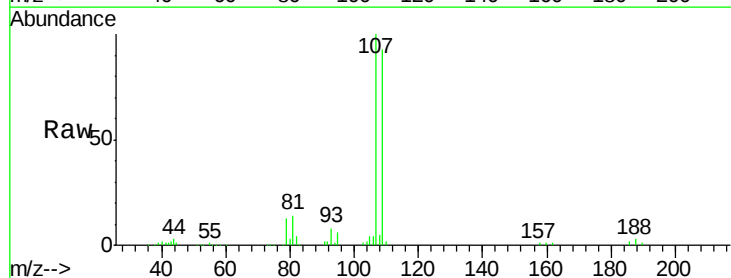
Manual Integrations
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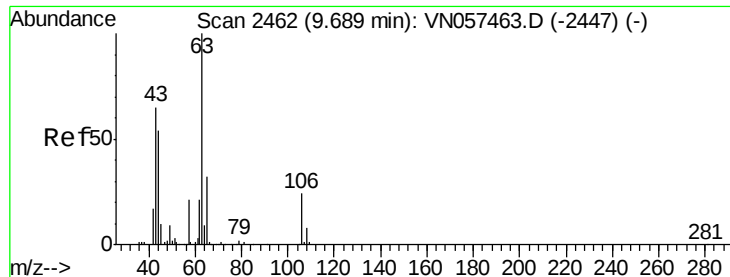
MMDadoda
 8/26/2019 1:12:14 PM



#54
 1,2-Dibromoethane
 Concen: 19.903 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		88129		
109	92.5	73.2	109.8		





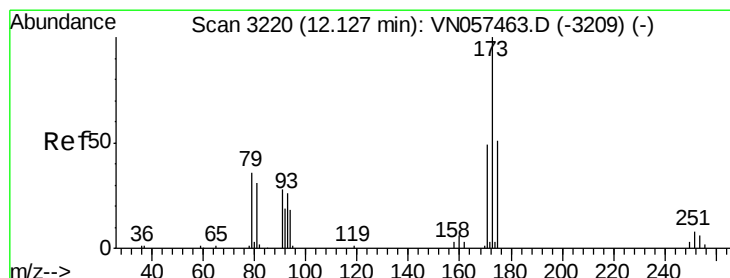
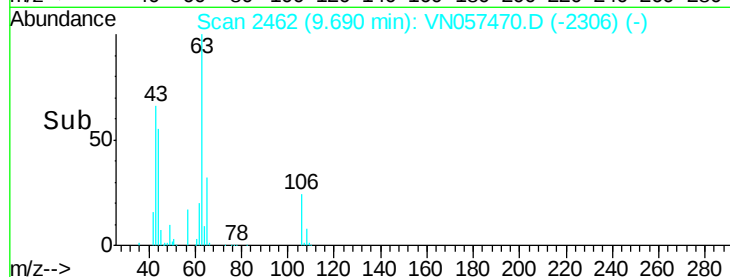
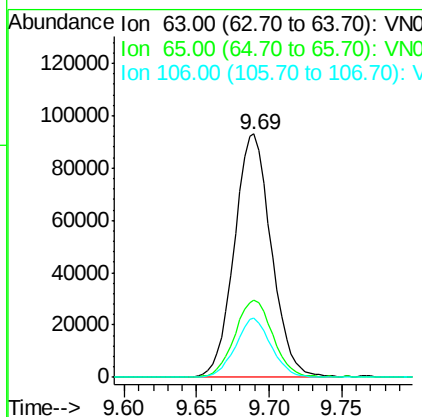
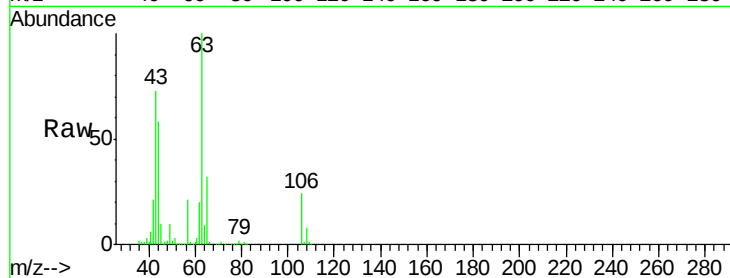
#55
2-Chloroethyl vinyl ether
Concen: 93.130 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	63	Resp	165146
Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.1	37.7
106	23.4	18.7	28.1

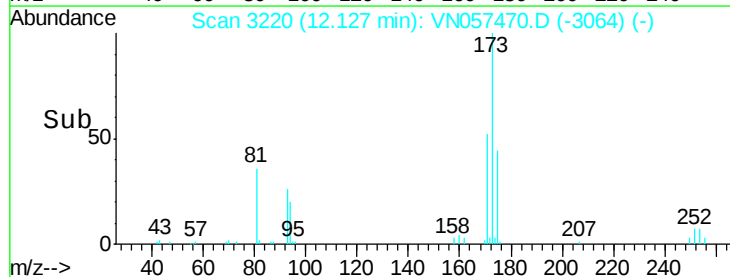
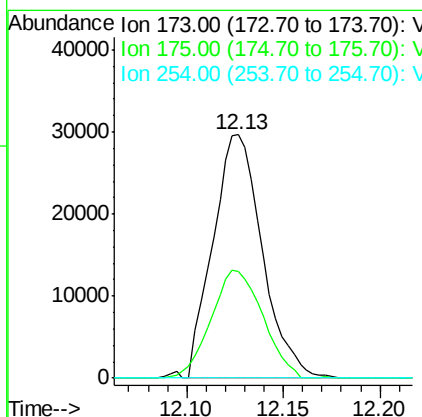
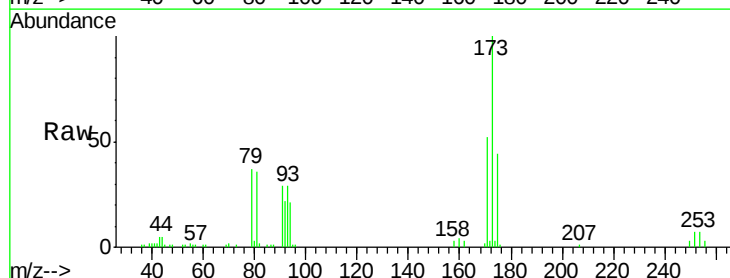
Manual Integrations
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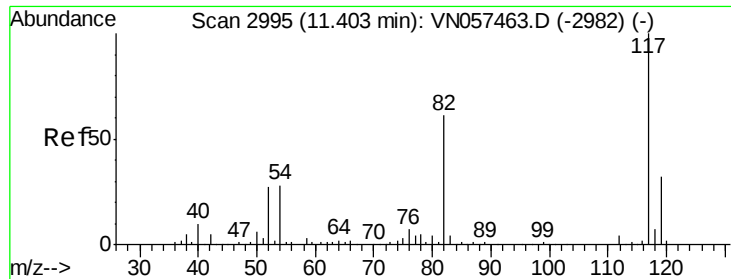
MMDadoda
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#56
Bromoform
Concen: 19.126 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	173	Resp	52661
Ion	Ratio	Lower	Upper
173	100		
175	46.5	40.1	60.1
254	0.0	0.0	0.0





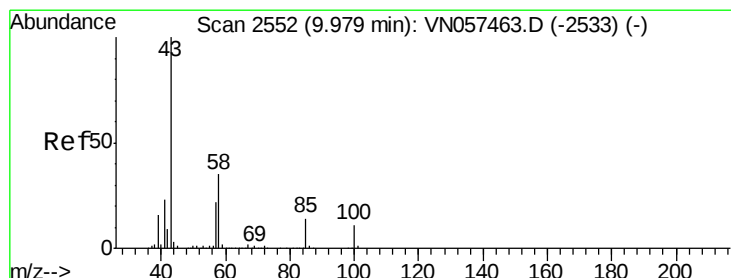
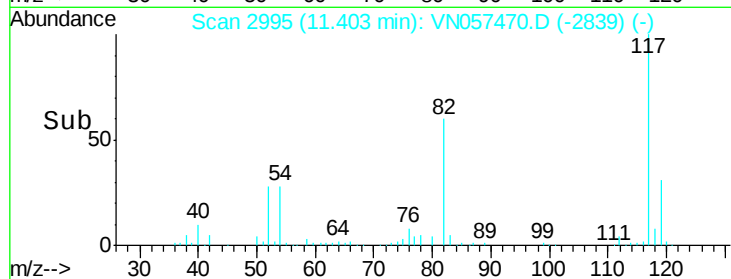
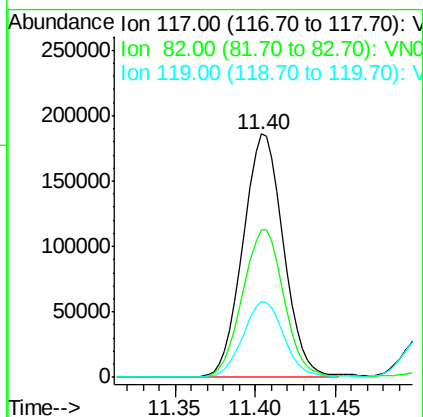
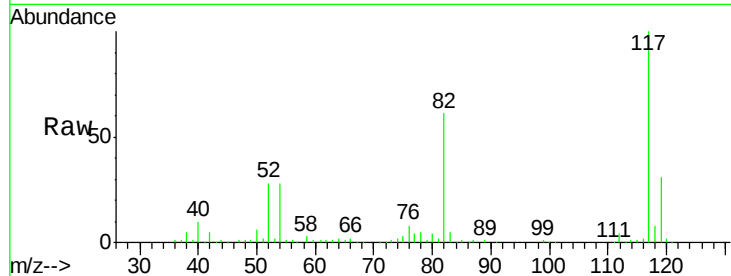
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	50.4	75.6
119	31.3	25.4	38.2

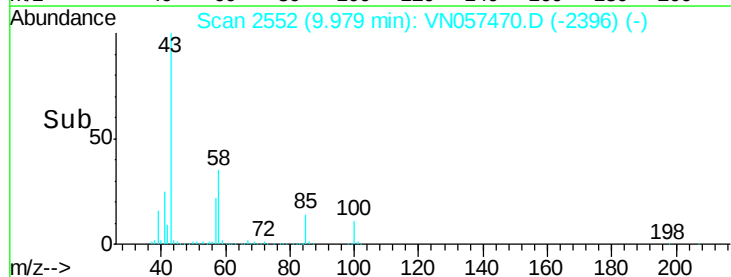
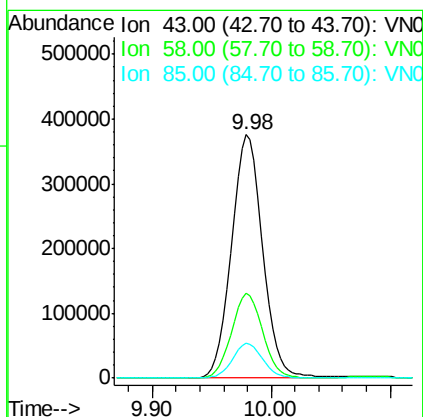
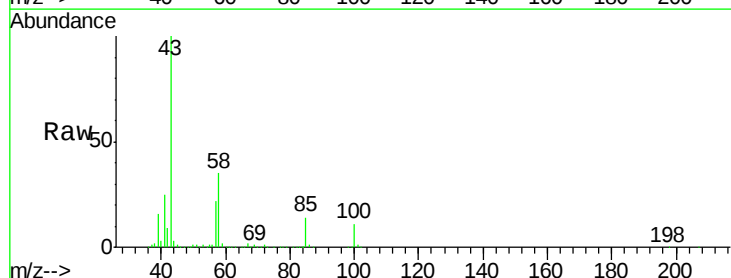
Manual Integrations
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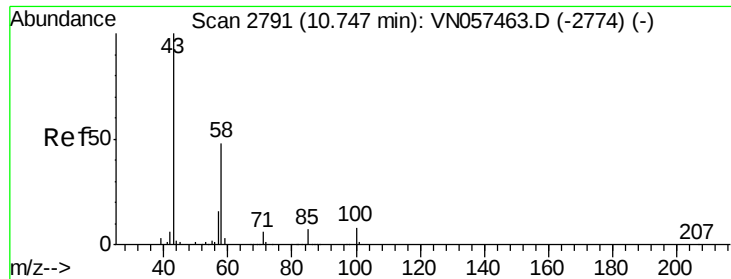
MMDadoda
8/26/2019 1:12:14 PM



#58
4-Methyl-2-Pentanone
Concen: 107.760 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.0	42.0
85	14.0	11.3	16.9





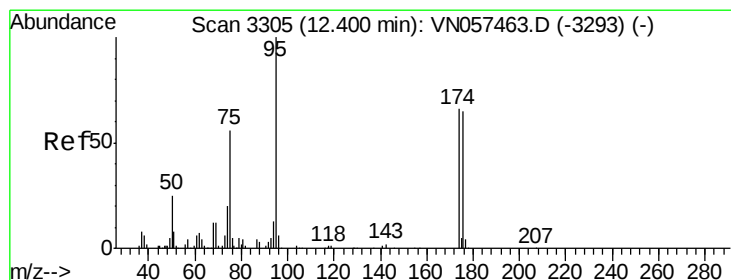
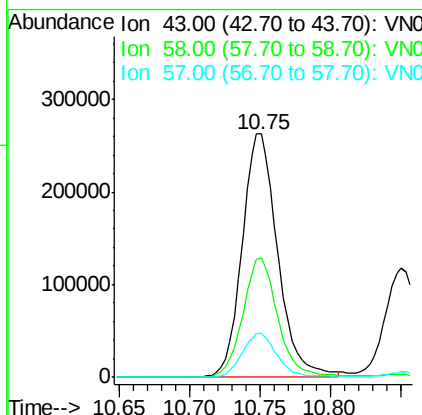
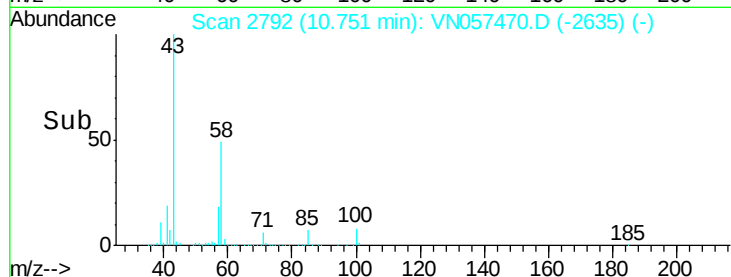
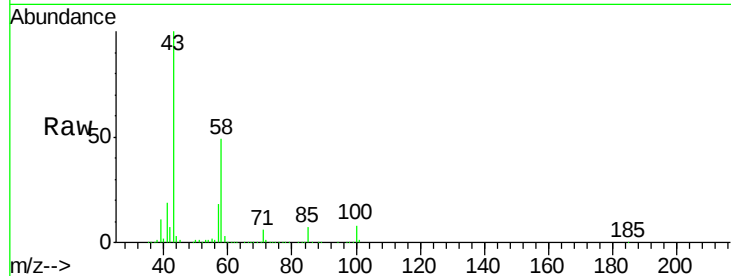
#59
2-Hexanone
Concen: 105.606 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
57	17.7	13.0	19.4

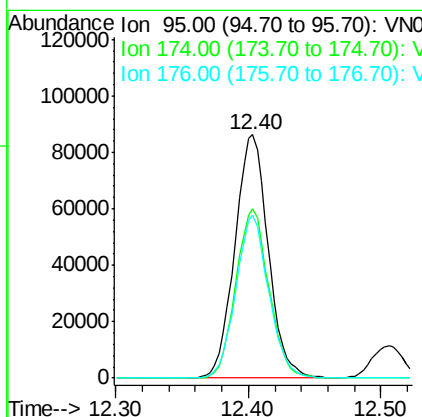
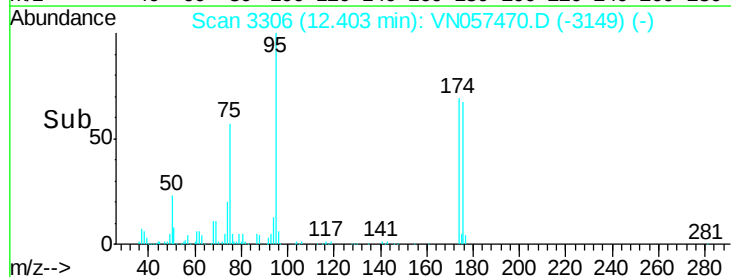
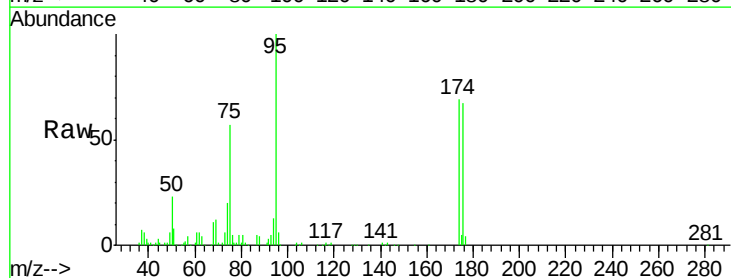
Manual Integrations
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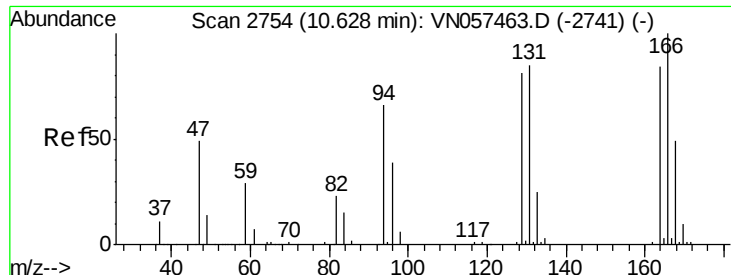
MMDadoda
8/26/2019 1:12:14 PM



#60
4-Bromofluorobenzene
Concen: 28.466 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.7	54.9	82.3
176	65.8	54.2	81.4





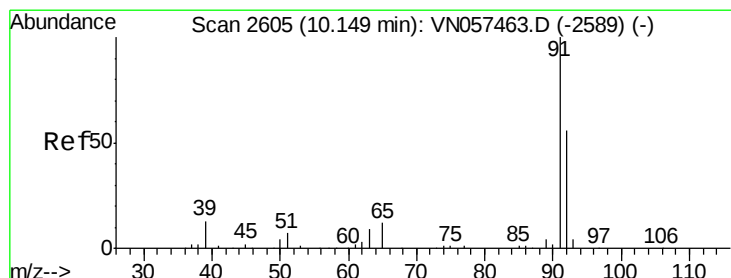
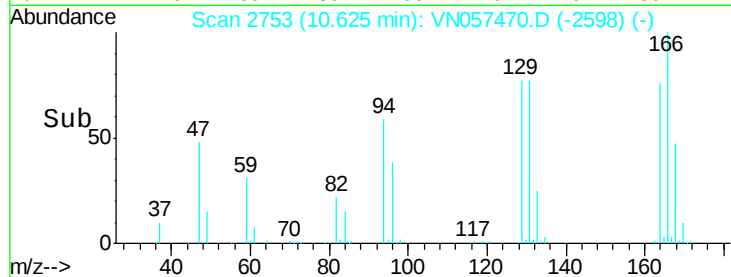
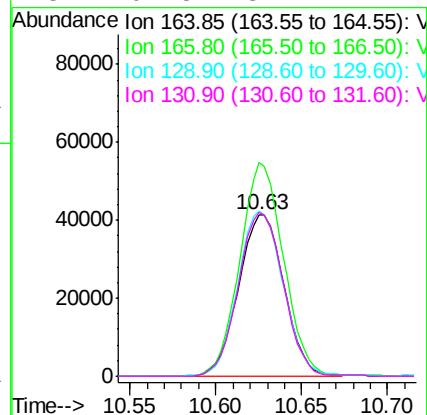
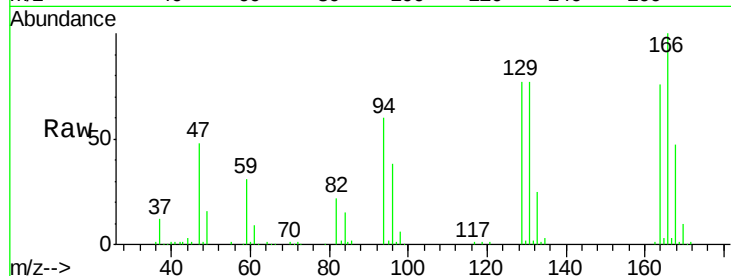
#61
Tetrachloroethene
Concen: 20.577 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.4	95.8	143.6
129	101.4	77.2	115.8
131	101.8	81.1	121.7

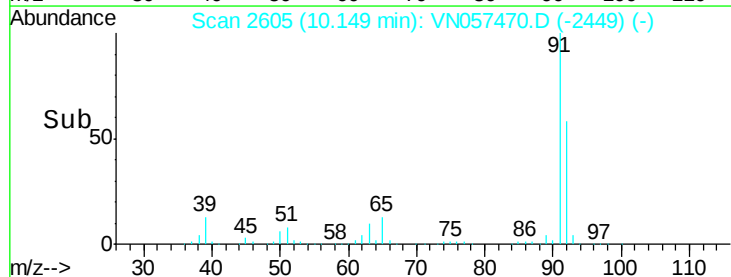
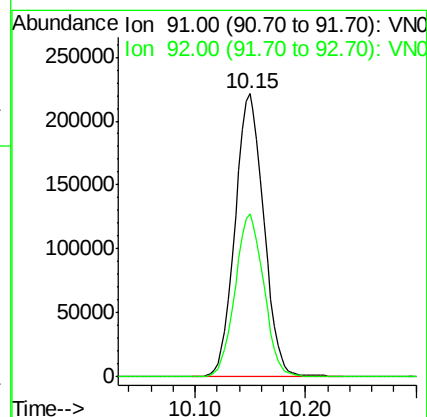
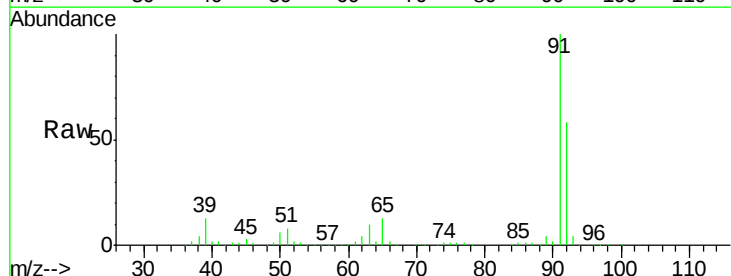
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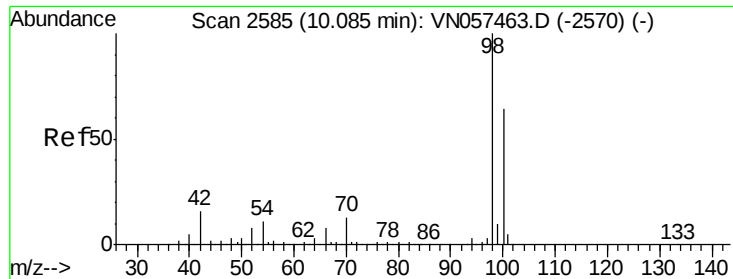
MMDadoda
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#62
Toluene
Concen: 20.377 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.0





#63

Toluene-d8

Concen: 30.121 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 98 Resp: 489398

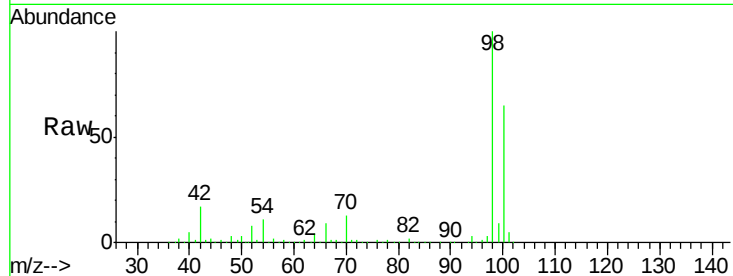
Ion Ratio Lower Upper

98 100

100 64.3 51.0 76.6

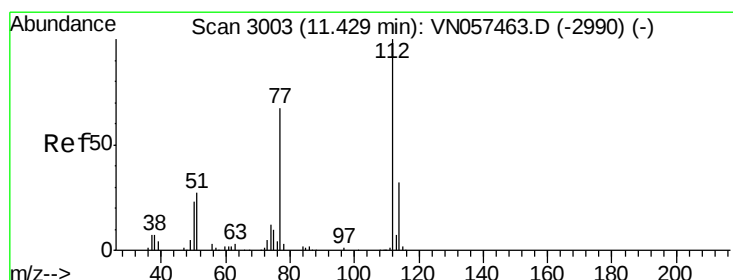
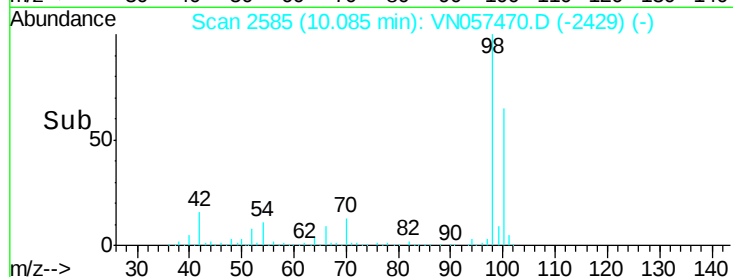
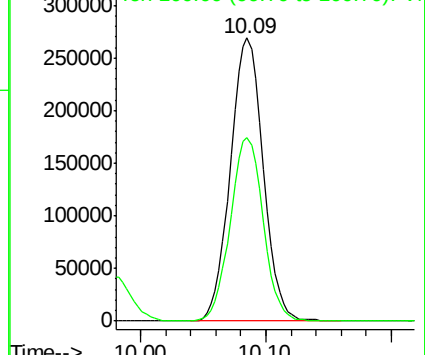
Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.293 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057470.D

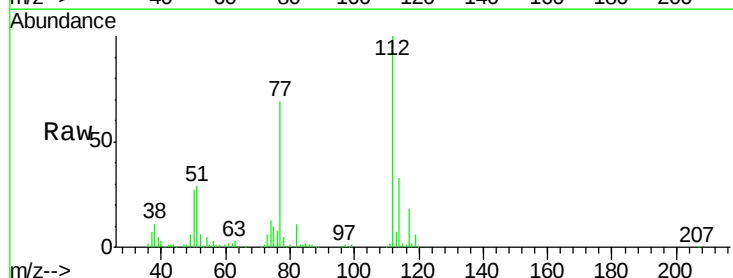
Acq: 23 Aug 2019 13:24

Tgt Ion: 112 Resp: 216935

Ion Ratio Lower Upper

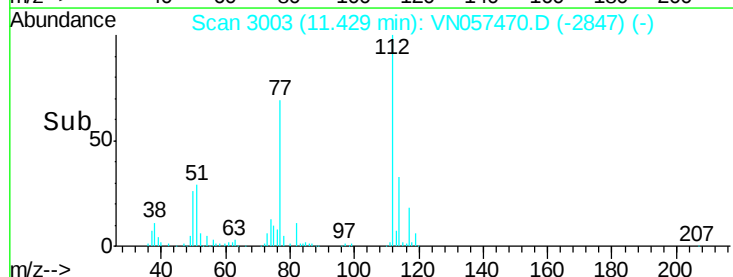
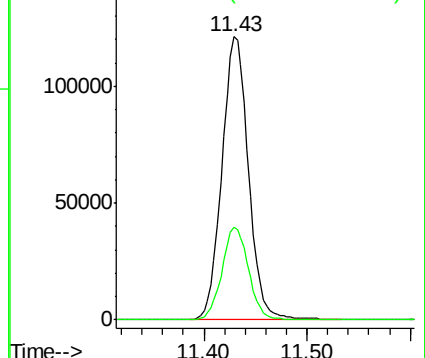
112 100

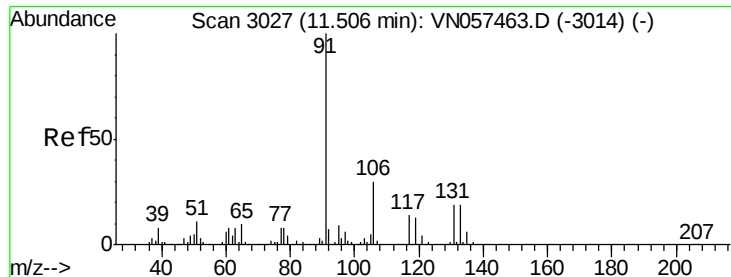
114 32.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.293 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

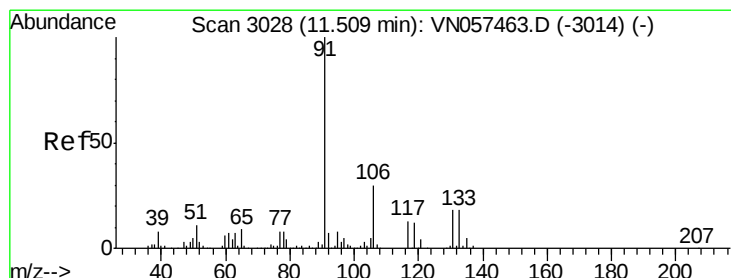
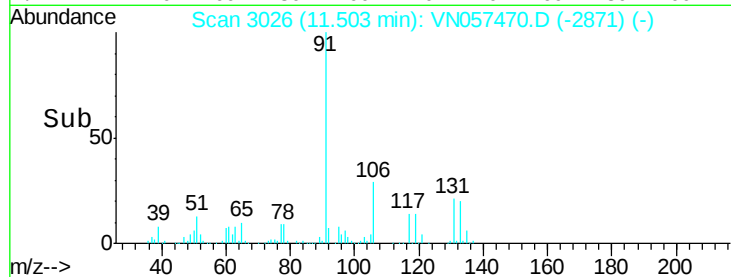
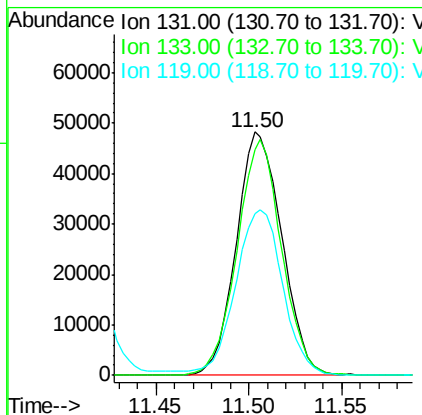
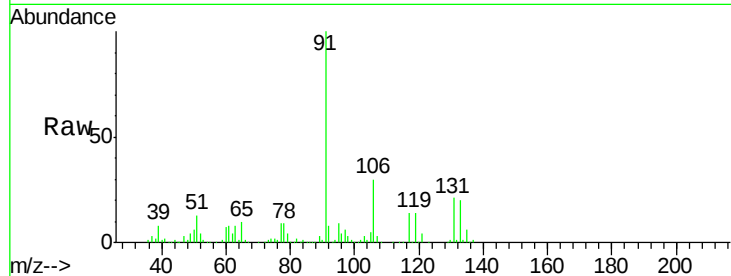
ClientSampleId :

VN0823WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	193.6
119	70.5	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.297 ug/l

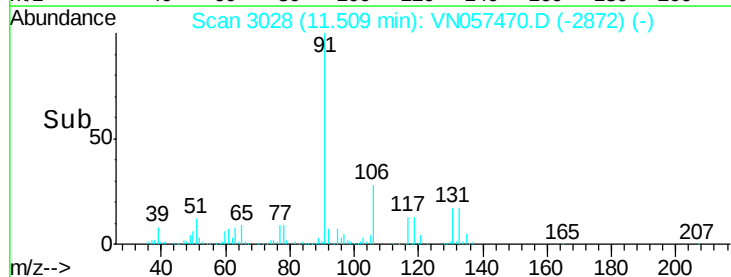
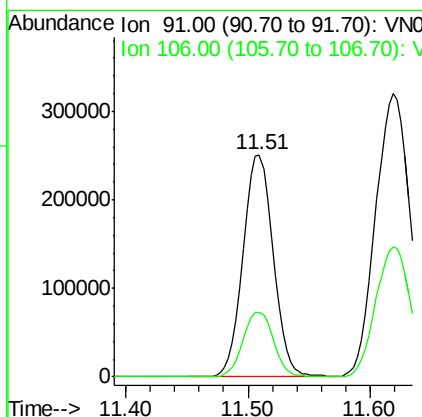
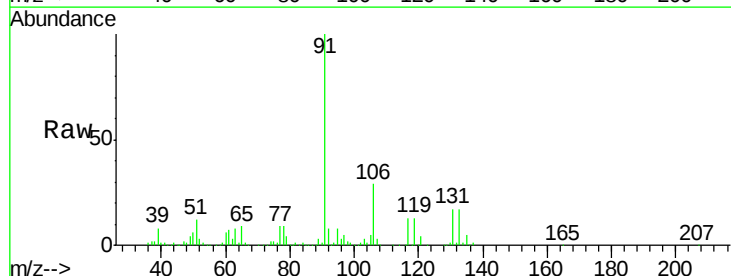
RT: 11.51 min Scan# 3028

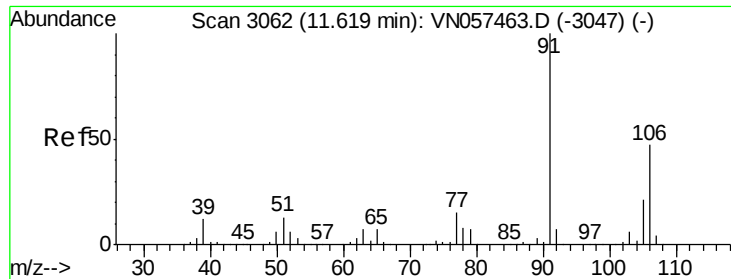
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.6	35.4





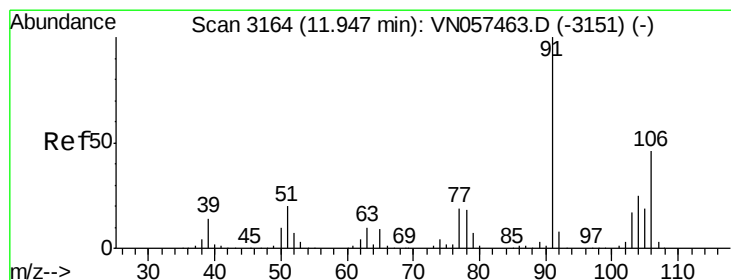
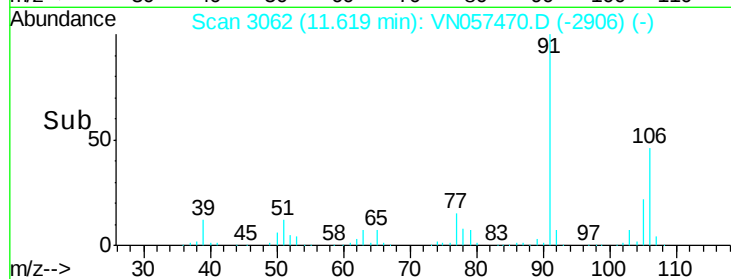
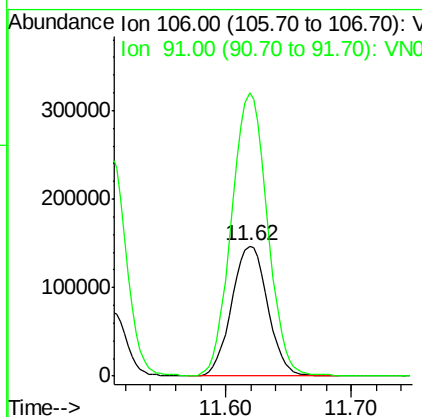
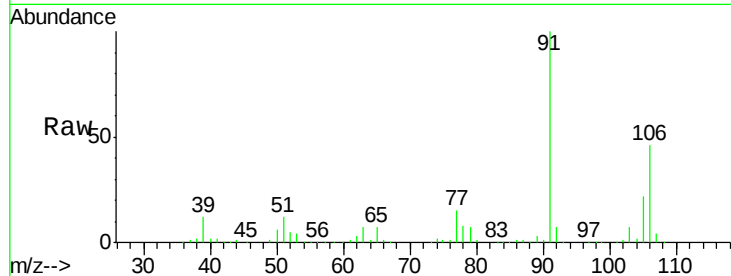
#67
m/p-Xylenes
Concen: 40.214 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion:106 Resp: 293530
Ion Ratio Lower Upper
106 100
91 215.7 172.9 259.3

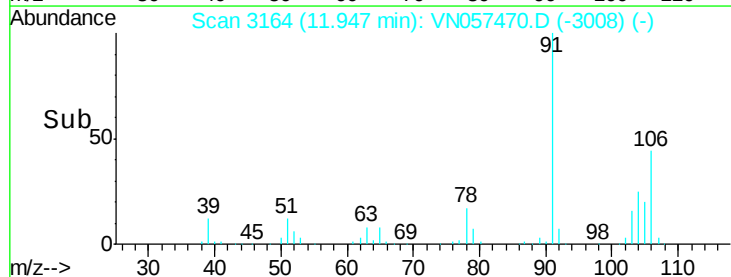
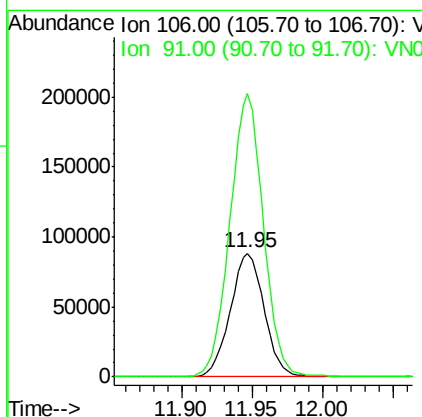
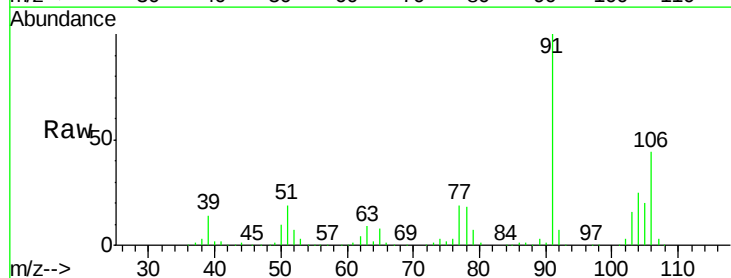
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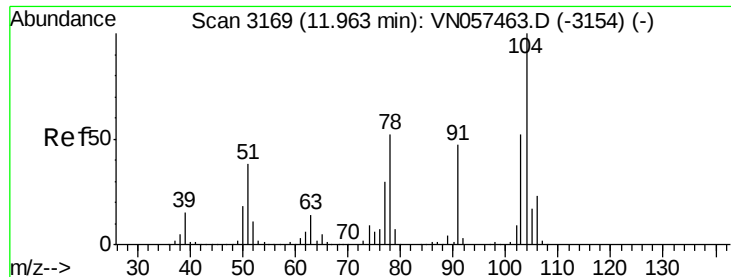
MMDadoda
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#68
o-Xylene
Concen: 20.637 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion:106 Resp: 148861
Ion Ratio Lower Upper
106 100
91 224.2 111.1 333.4





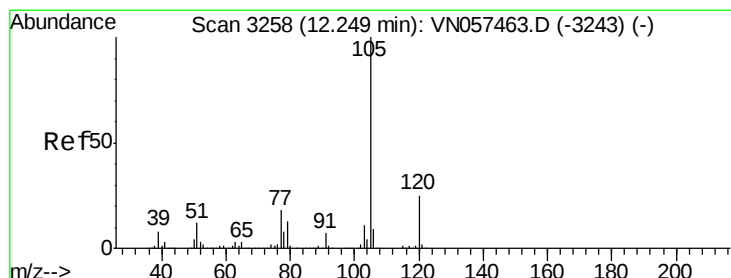
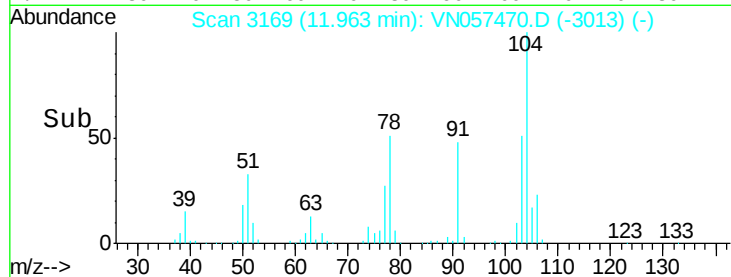
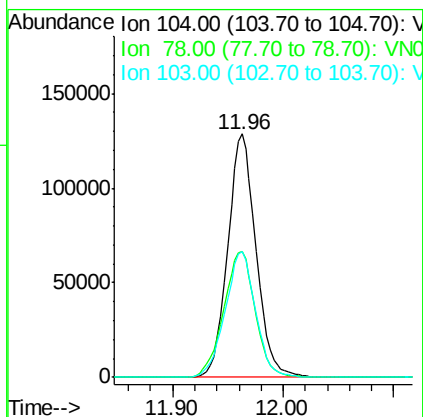
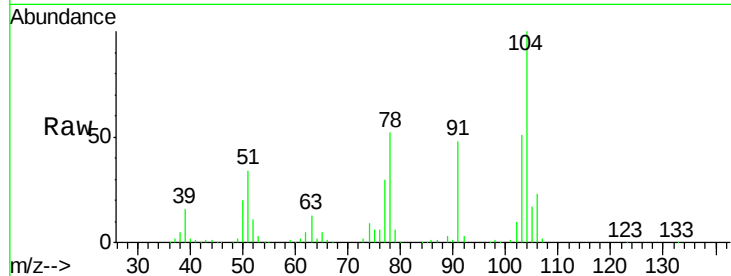
#69
Stvrene
Concen: 19.829 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	228495		
78	57.8	46.5	69.7	
103	55.5	45.9	68.9	

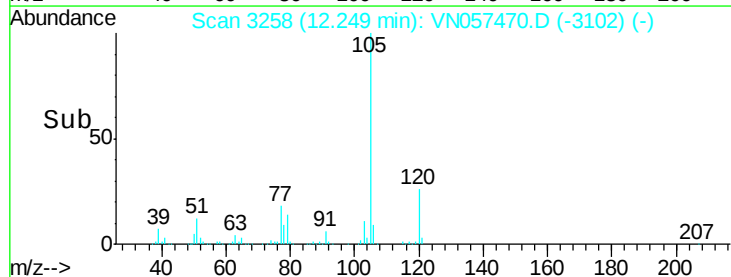
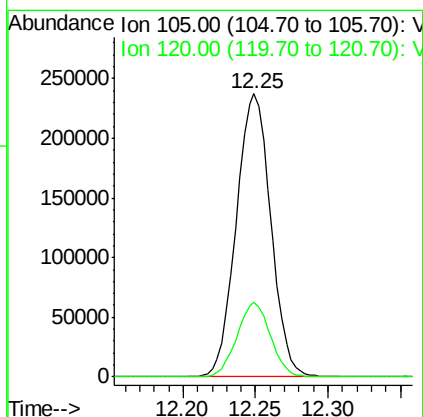
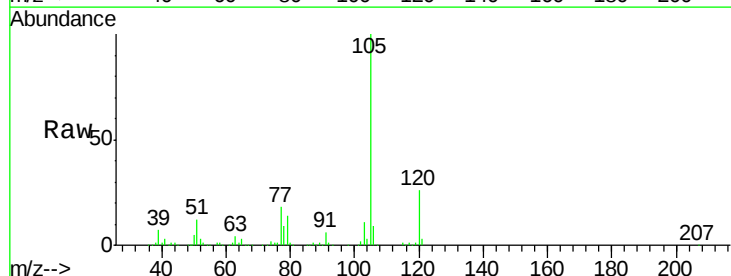
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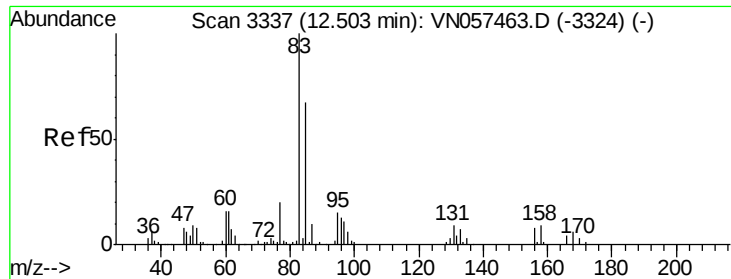
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#70
Isopropylbenzene
Concen: 20.346 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	392616		
120	25.4	17.8	33.1	





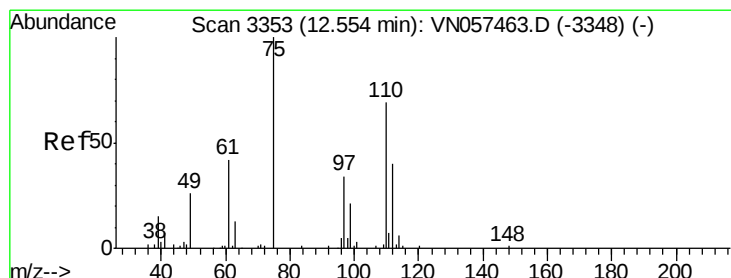
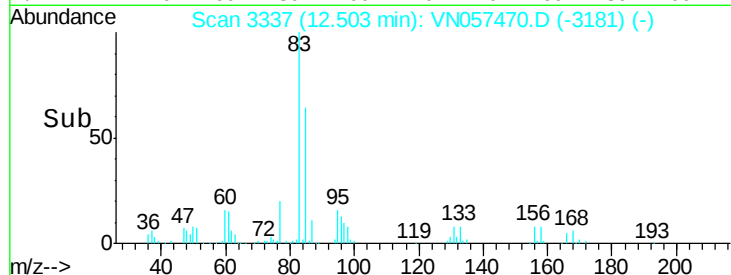
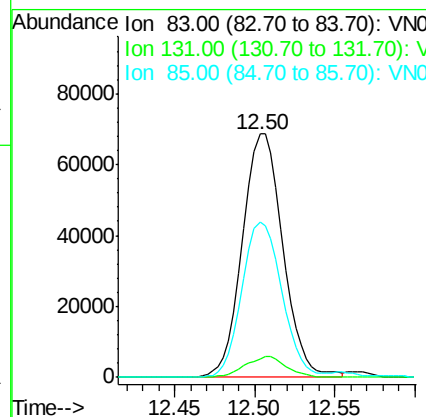
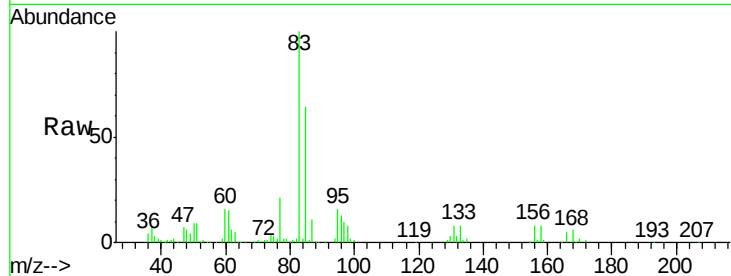
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.327 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	83	Resp	119013
Ion Ratio	100	Lower	Upper
83	100		
131	8.7	4.7	14.1
85	62.8	33.1	99.2

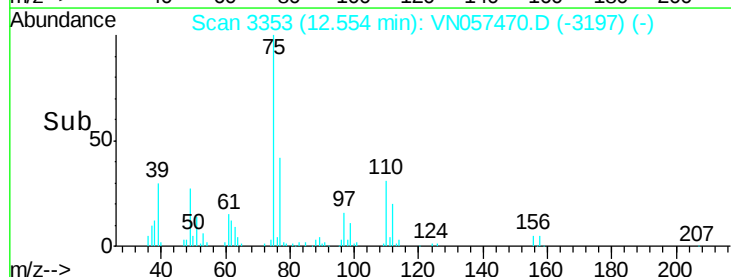
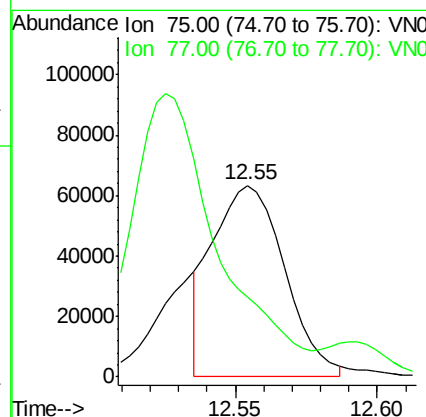
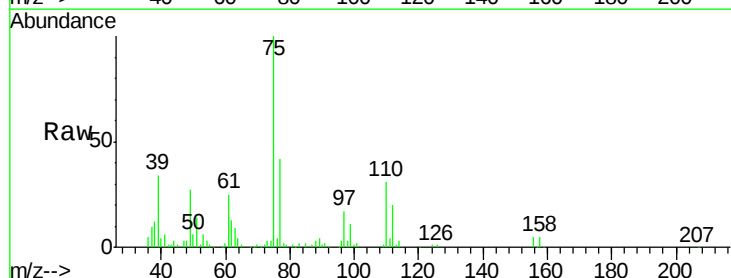
Manual Integrations
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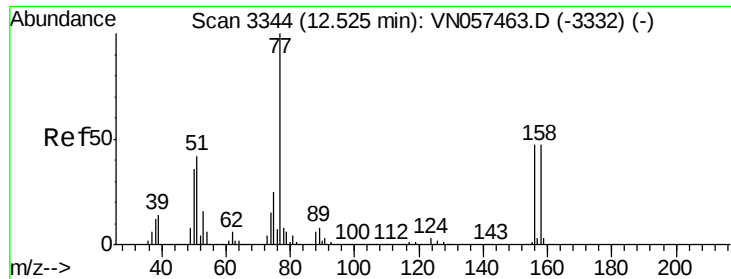
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 8/26/2019 1:12:14 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.162 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	75	Resp	112265
Ion Ratio	100	Lower	Upper
75	100		
77	180.3	0.0	380.2





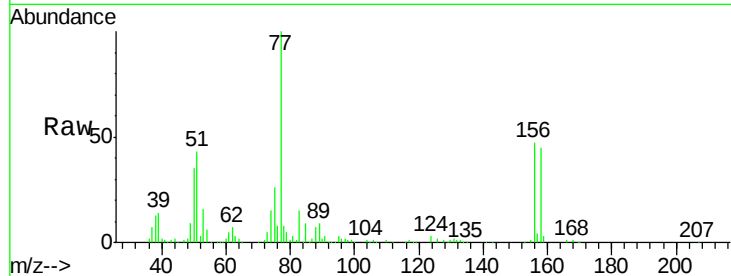
#73
Bromobenzene
Concen: 19.961 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

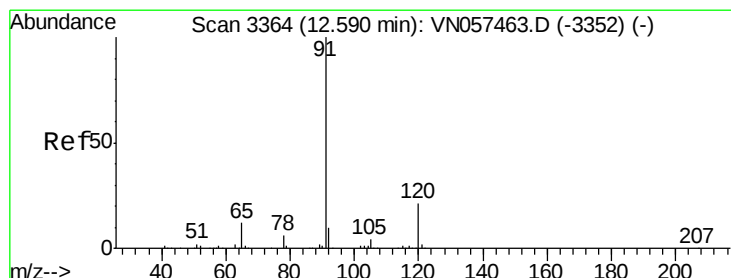
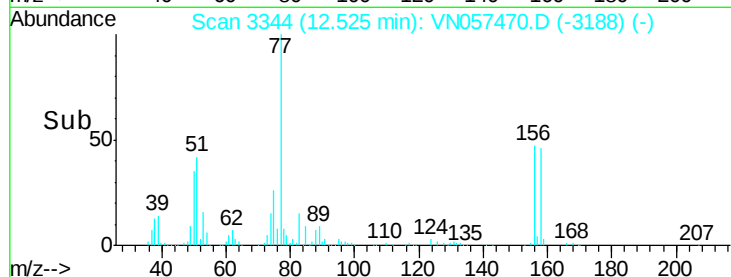
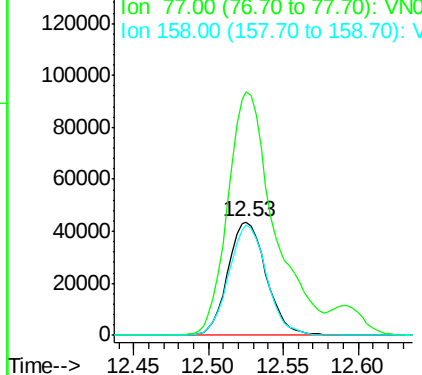
Tot Ion	Ratio	Lower	Upper
156	100		
77	259.6	0.0	506.8
158	95.6	0.0	196.6

Manual Integrations
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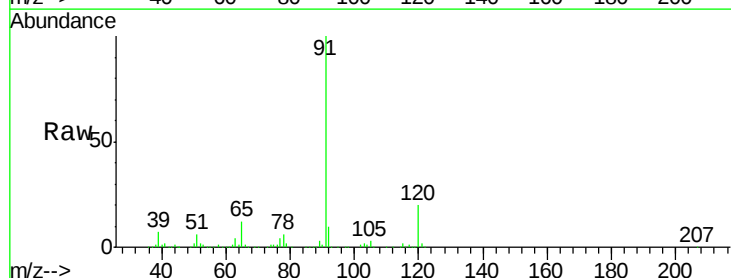


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

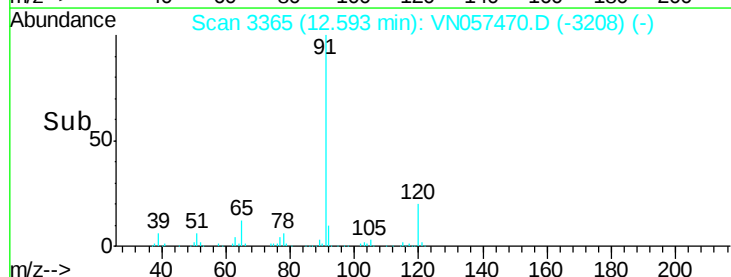
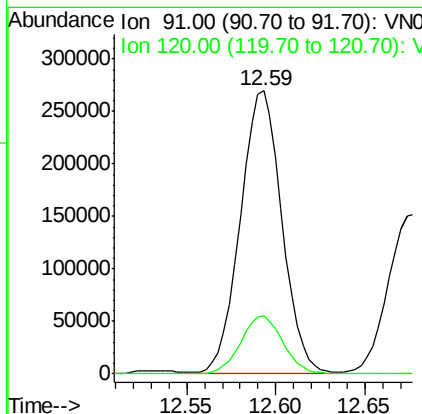


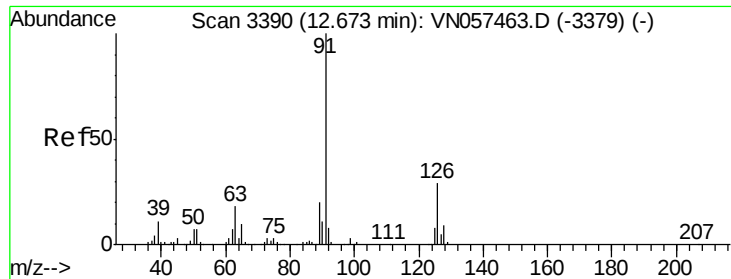
#74
n-propylbenzene
Concen: 19.923 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	0.0	42.2



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.010 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 91 Resp: 259310

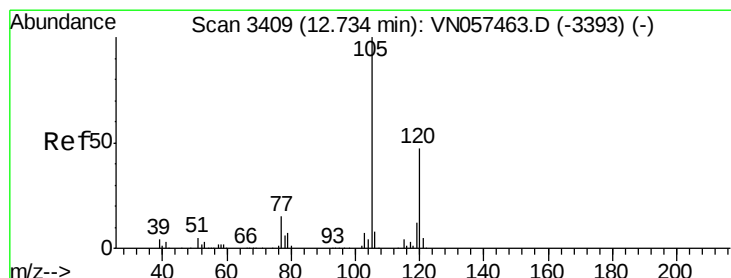
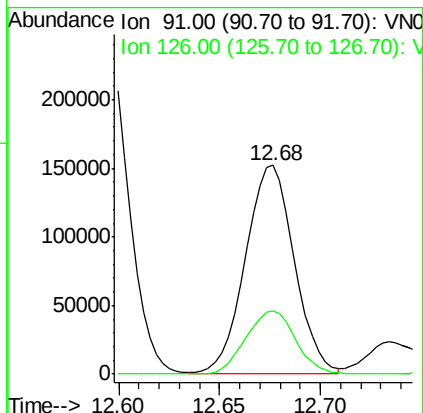
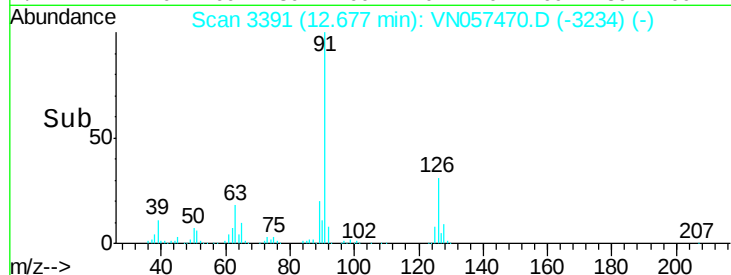
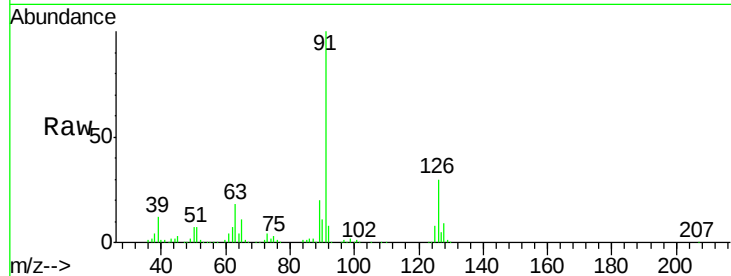
Ion Ratio Lower Upper

91 100

126 30.8 0.0 60.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 20.114 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057470.D

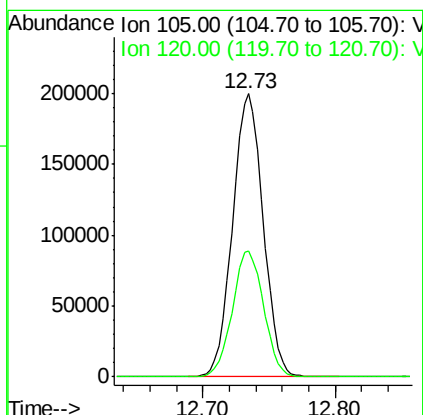
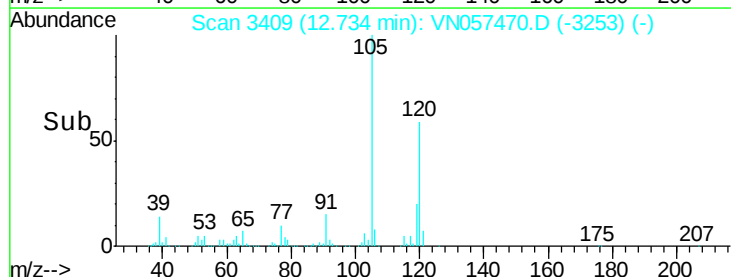
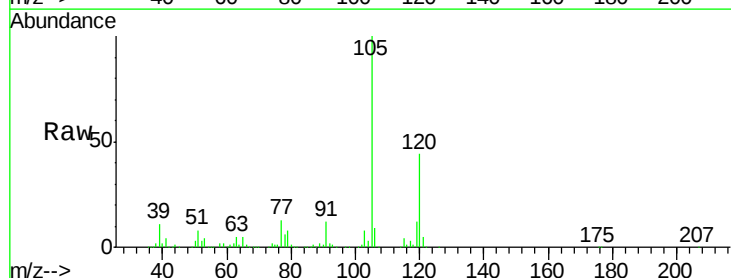
Acq: 23 Aug 2019 13:24

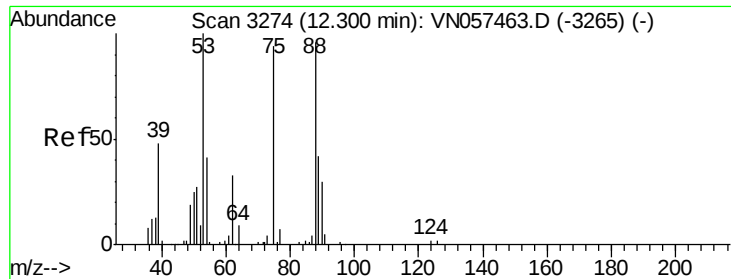
Tgt Ion: 105 Resp: 318535

Ion Ratio Lower Upper

105 100

120 45.5 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.042 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

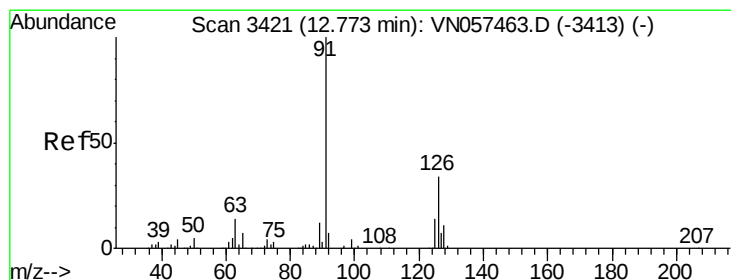
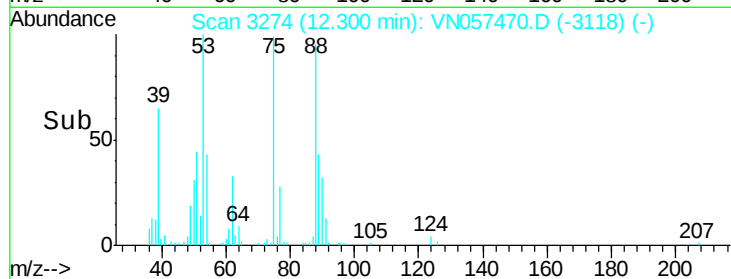
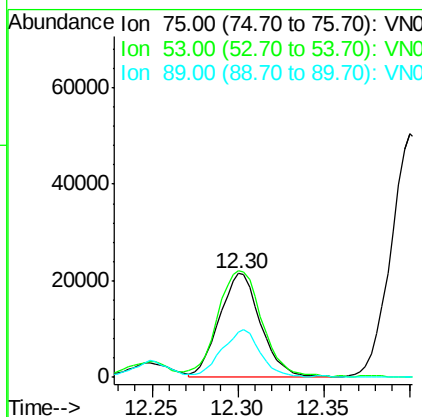
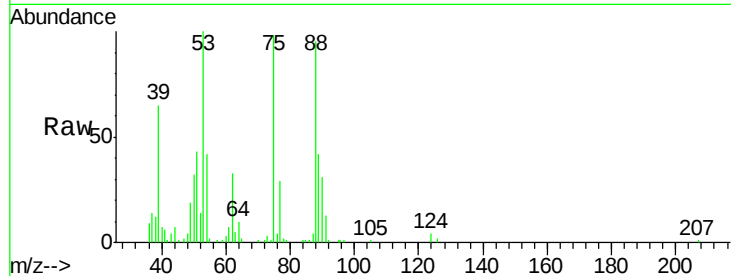
ClientSampleId :

VN0823WBS01

Tot Ion:	75	Resp:	36409
Ion	Ratio	Lower	Upper
75	100		
53	101.2	55.6	166.9
89	43.3	23.8	71.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.478 ug/l

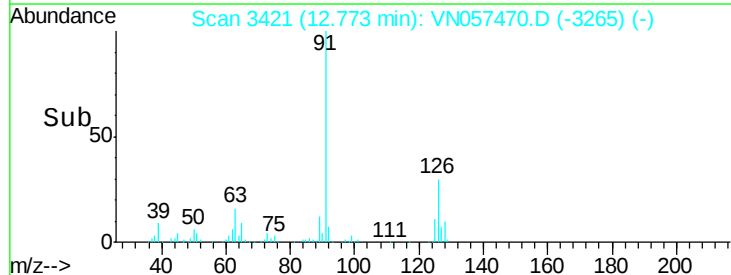
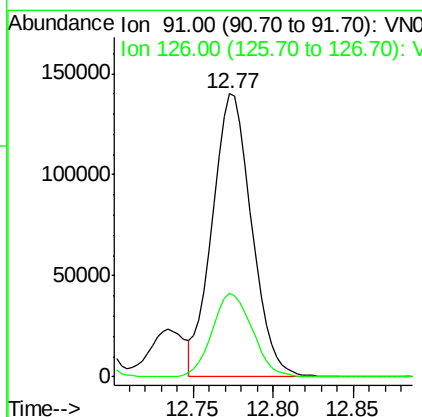
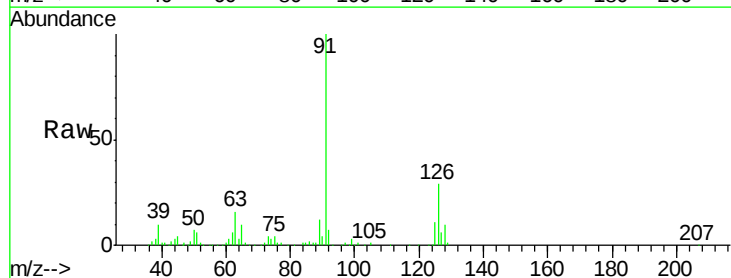
RT: 12.77 min Scan# 3421

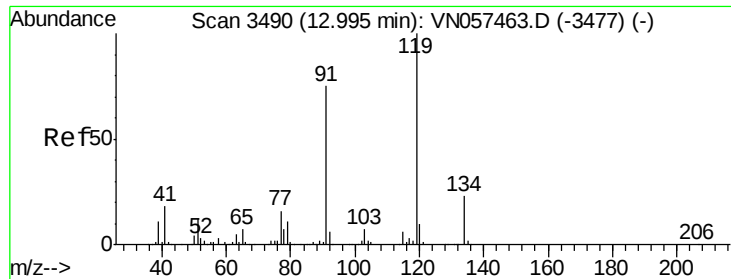
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	91	Resp:	238494
Ion	Ratio	Lower	Upper
91	100		
126	30.0	0.0	61.6





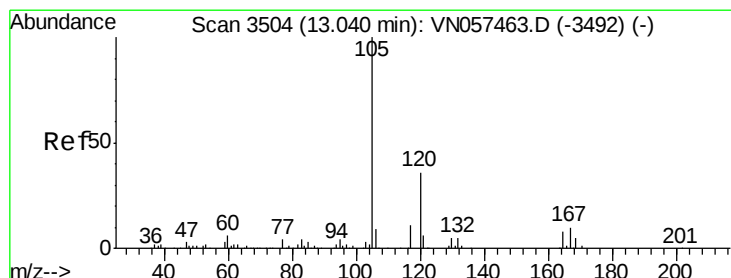
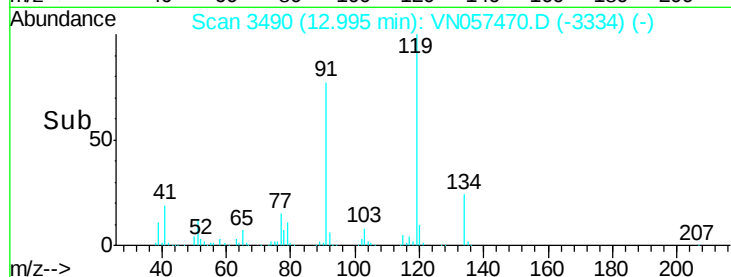
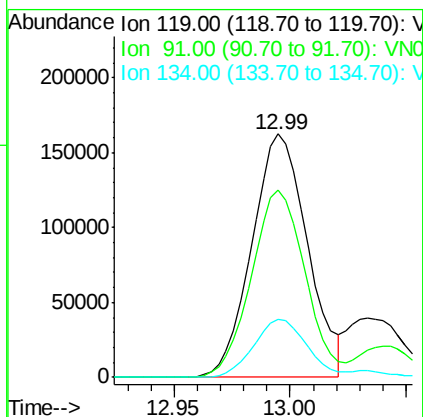
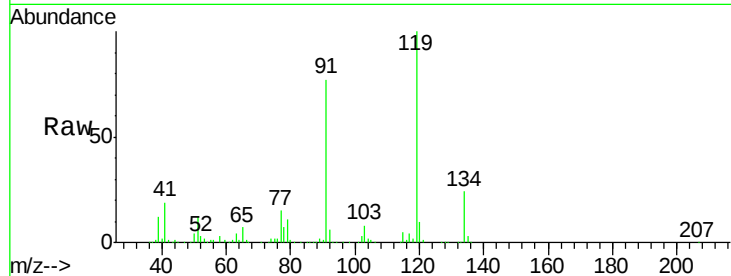
#79
tert-butylbenzene
Concen: 20.082 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270616		
91	74.7	0.0	146.6	
134	22.9	0.0	46.2	

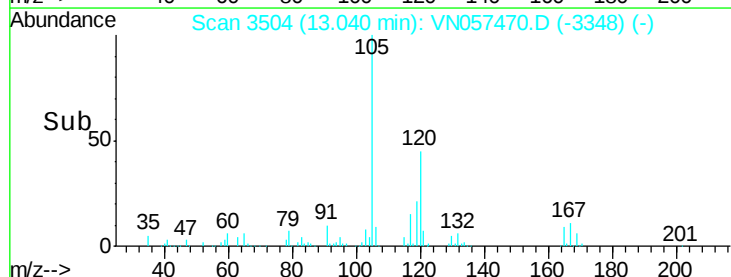
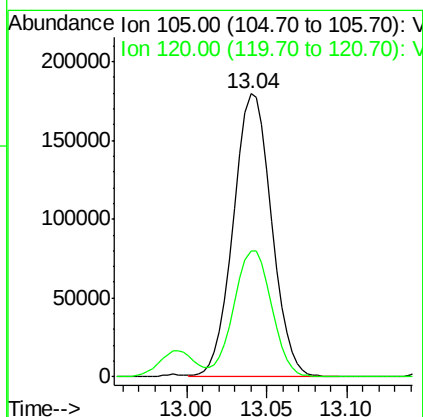
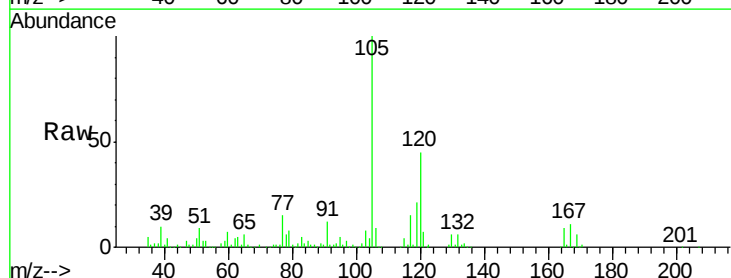
Manual Integrations
APPROVED

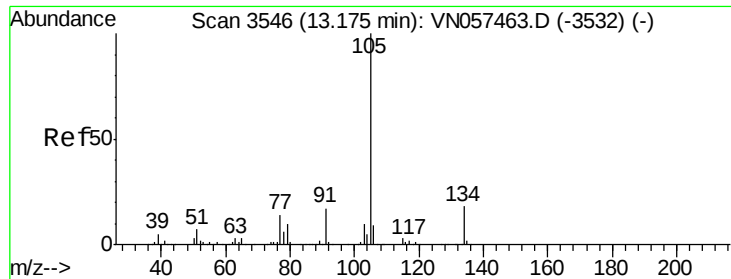
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.859 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293201		
120	43.9	0.0	85.4	





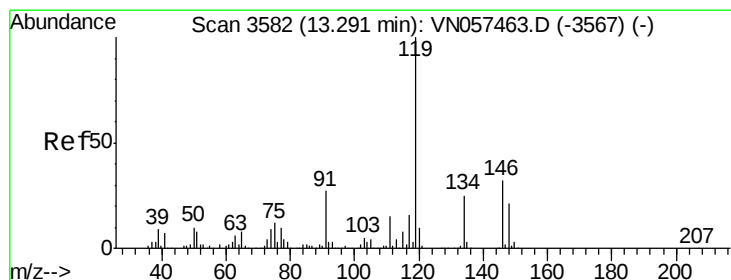
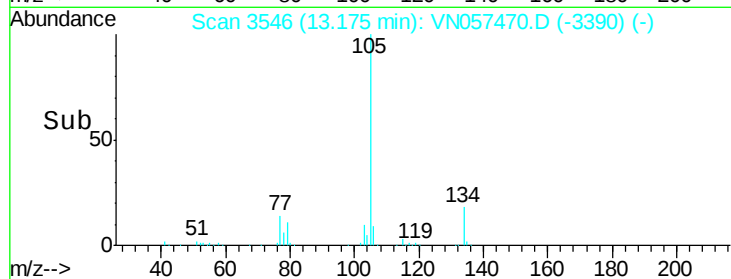
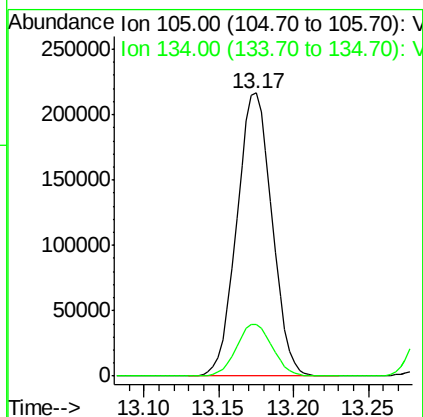
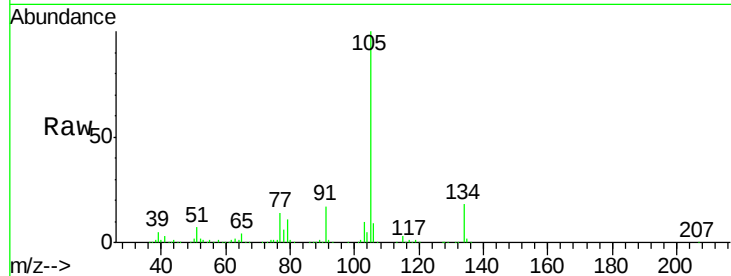
#81
 sec-Butylbenzene
 Concen: 19.930 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	353905		
134	18.6	0.0	36.0	

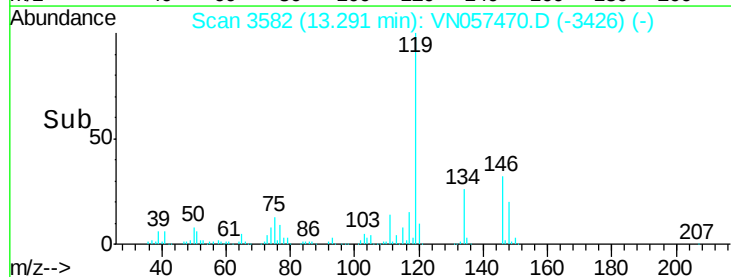
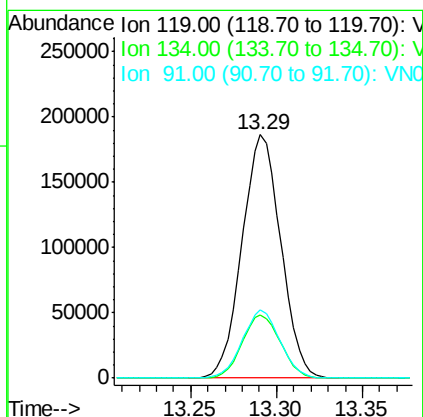
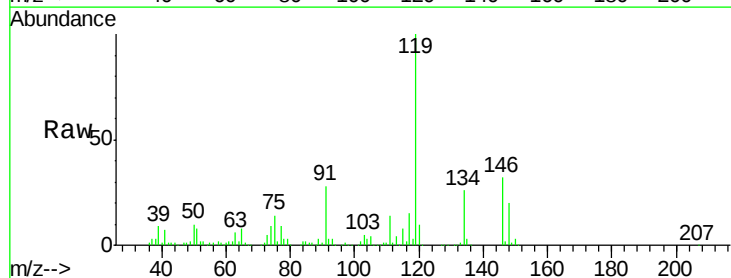
Manual Integrations
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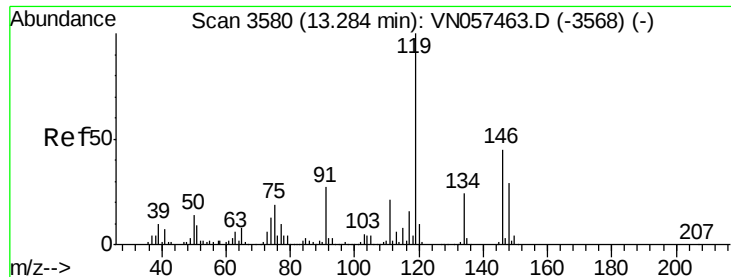
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 19.586 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	292399		
134	25.7	0.0	49.6	
91	27.1	0.0	55.2	





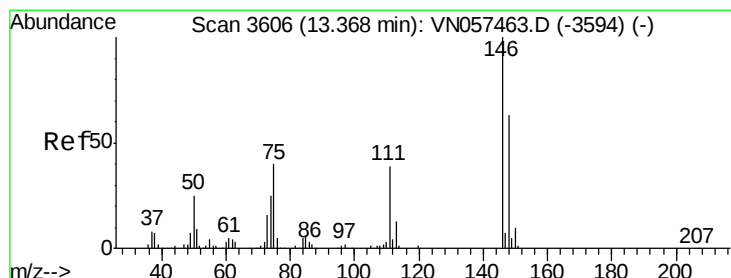
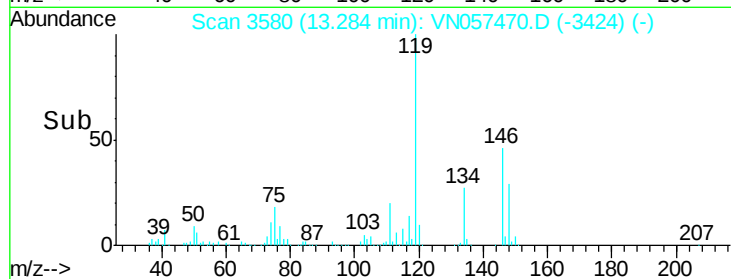
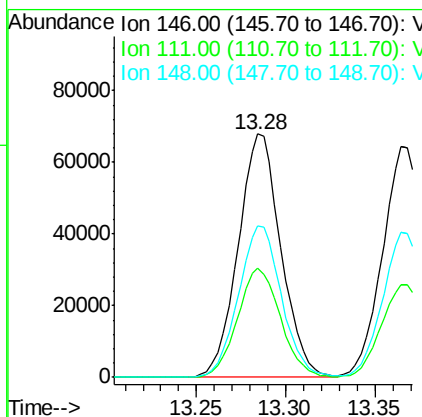
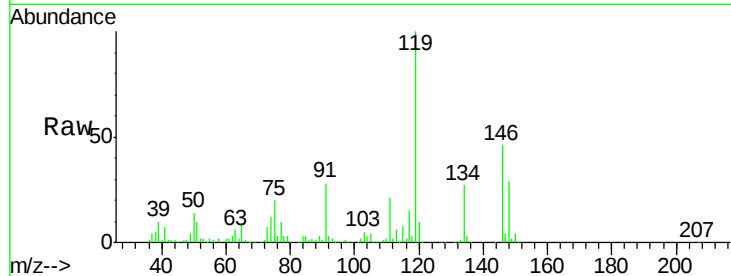
#83
 1,3-Dichlorobenzene
 Concen: 18.722 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.0
148	62.6	31.8	95.4

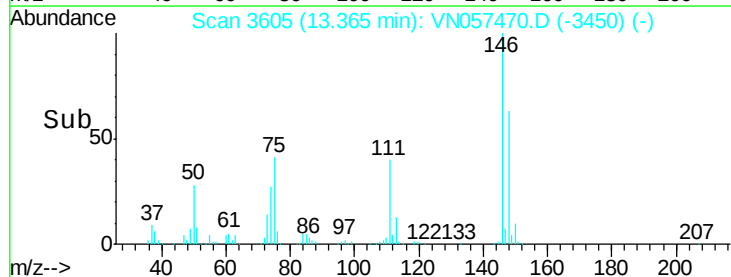
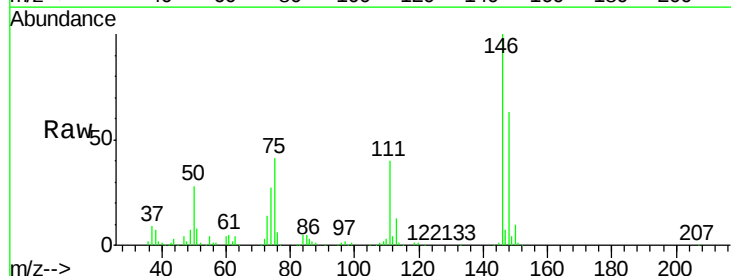
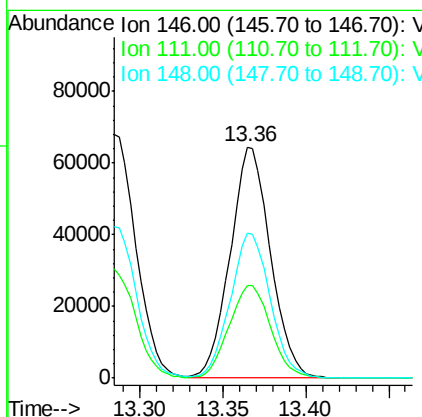
Manual Integrations
 APPROVED

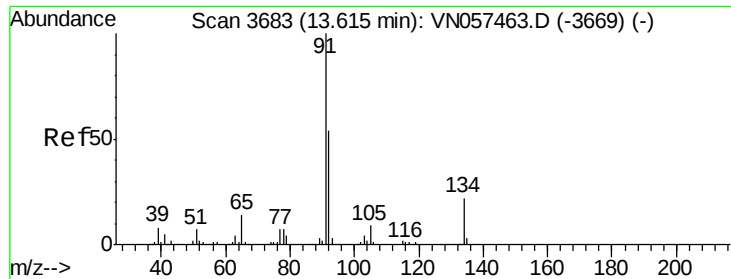
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 8/26/2019 1:12:14 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.451 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	62.3	31.9	95.7





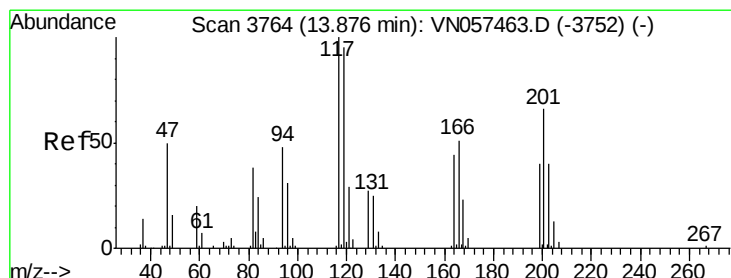
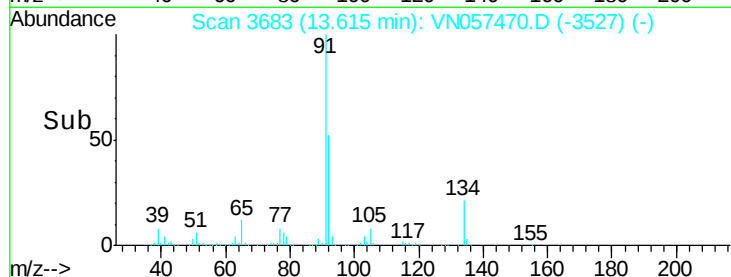
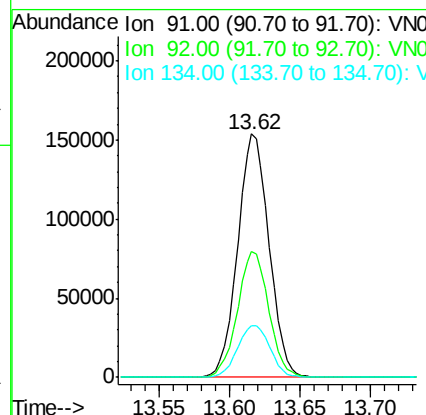
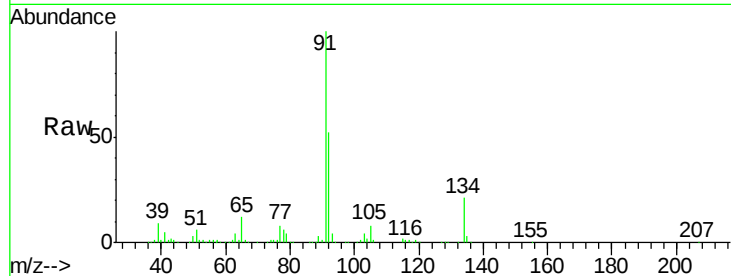
#85
n-Butylbenzene
Concen: 18.412 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	239640		
92	51.5	0.0	105.6	
134	22.2	0.0	46.0	

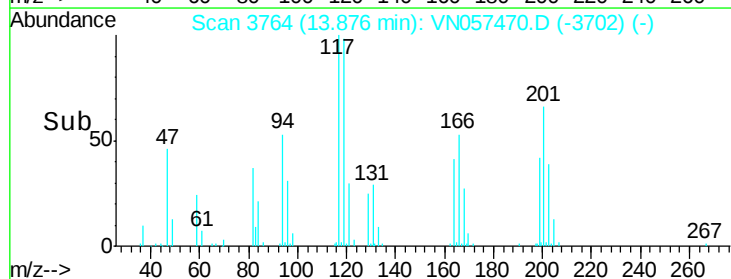
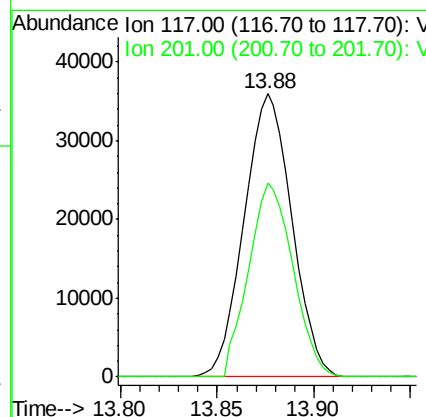
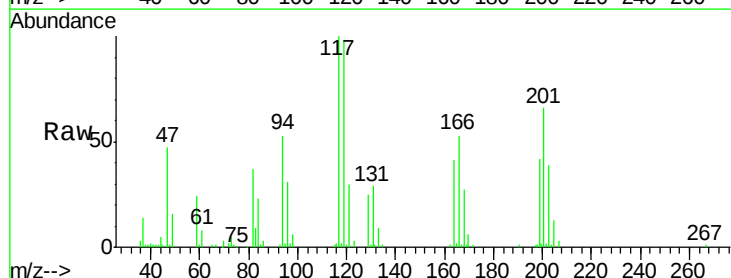
Manual Integrations
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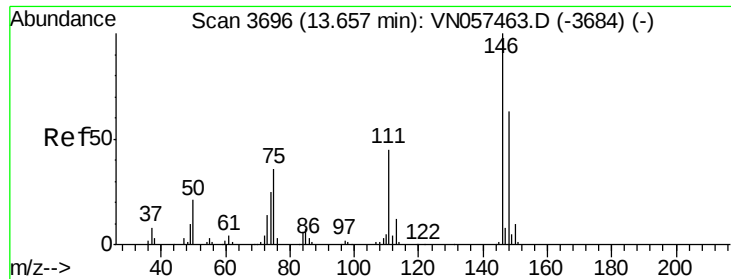
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#86
Hexachloroethane
Concen: 20.468 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61655		
201	63.6	34.0	101.8	





#87

1,2-Dichlorobenzene

Concen: 19.105 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

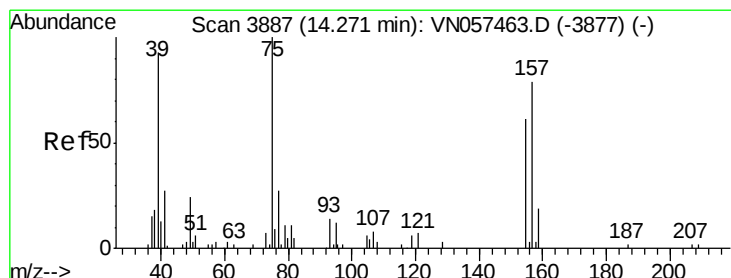
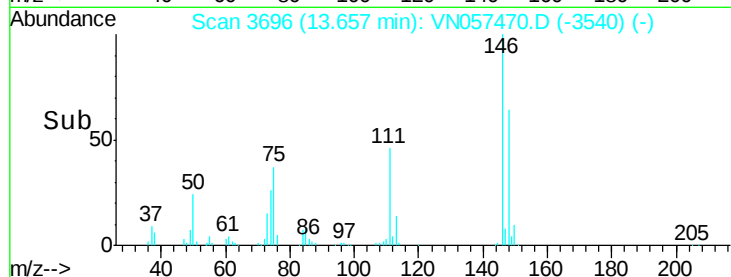
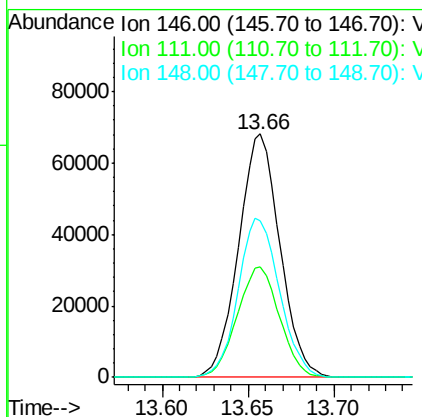
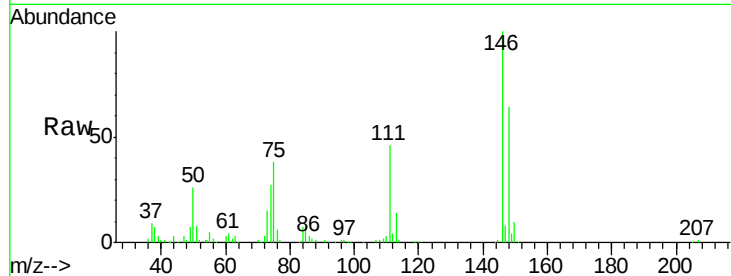
ClientSampleId :

VN0823WBS01

Tot Ion:	146	Resp:	114087
Ion Ratio	Lower	Upper	
146	100		
111	46.4	22.5	67.5
148	65.4	30.9	92.7

Manual Integrations
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8/26/2019 1:12:14 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.576 ug/l

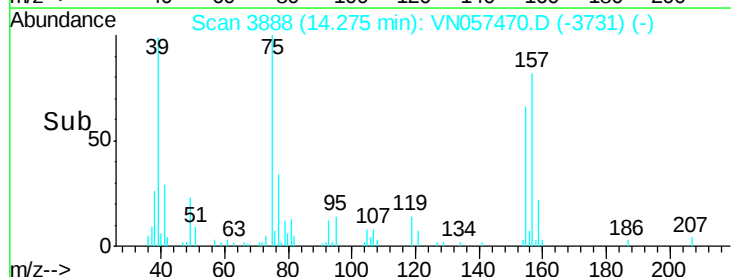
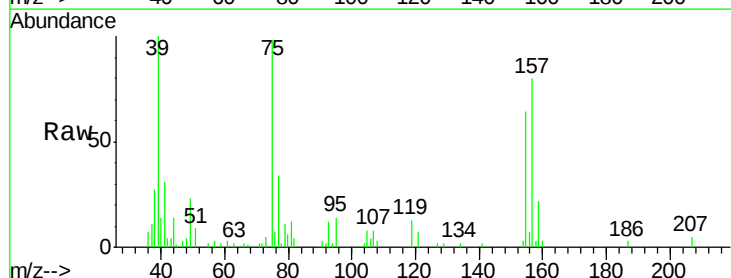
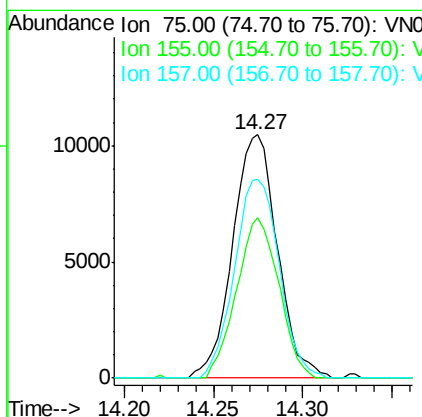
RT: 14.27 min Scan# 3888

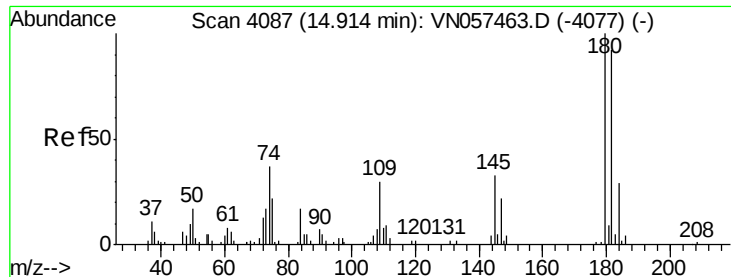
Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	75	Resp:	18333
Ion Ratio	Lower	Upper	
75	100		
155	62.2	53.7	80.5
157	81.8	63.5	95.3





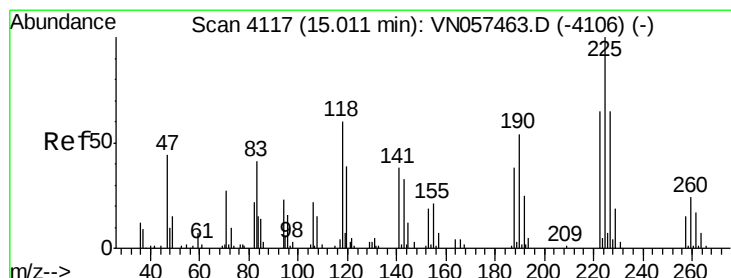
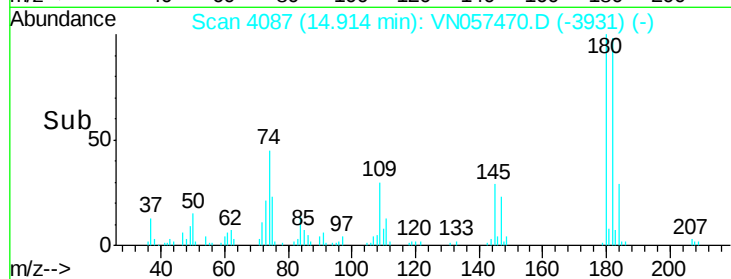
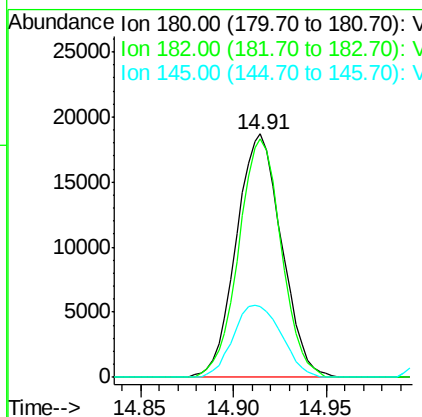
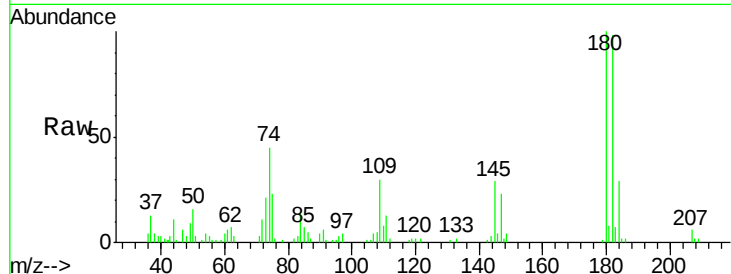
#89
 1,2,4-Trichlorobenzene
 Concen: 14.181 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.4	113.2
145	31.6	26.9	40.3

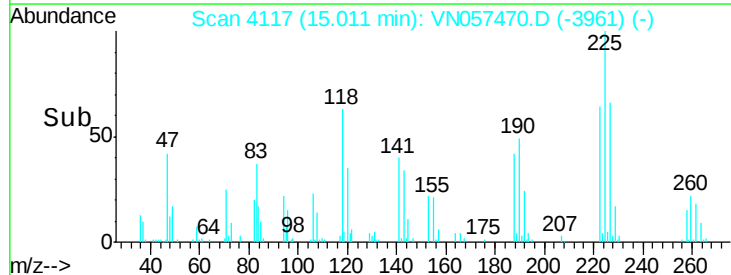
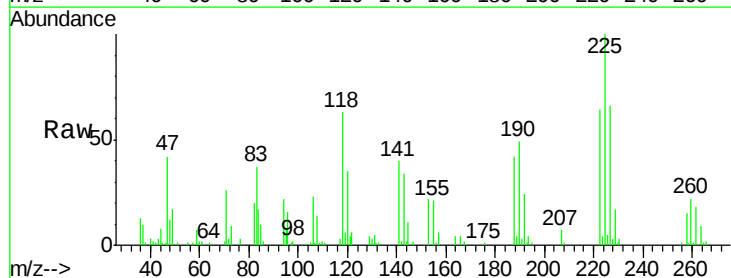
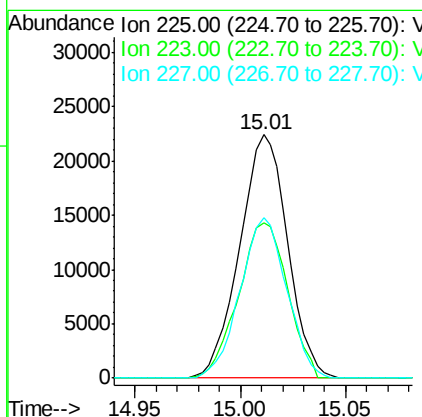
Manual Integrations
 APPROVED

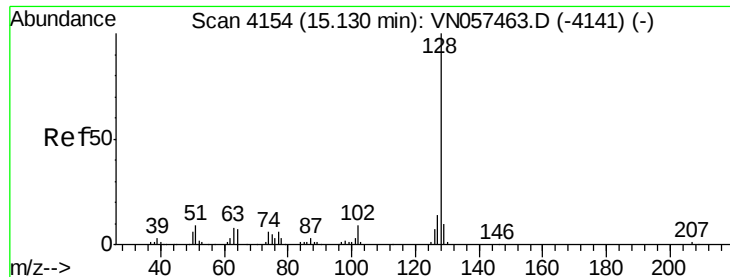
MMDadoda
 8/26/2019 1:12:14 PM



#90
 Hexachlorobutadiene
 Concen: 20.572 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	0.0	123.6
227	64.2	0.0	126.6





#91

Naphthalene

Concen: 19.806 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

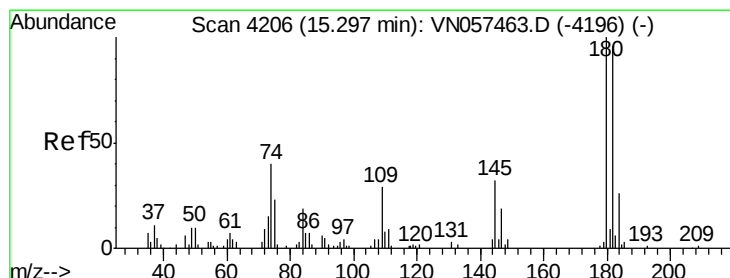
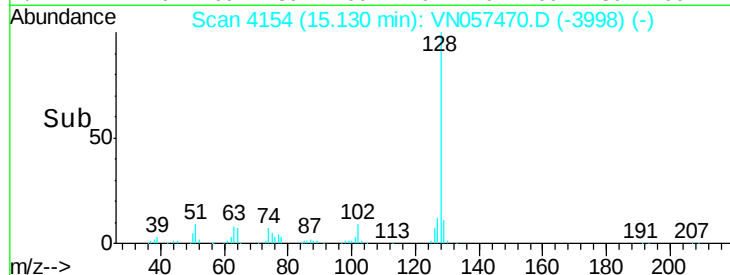
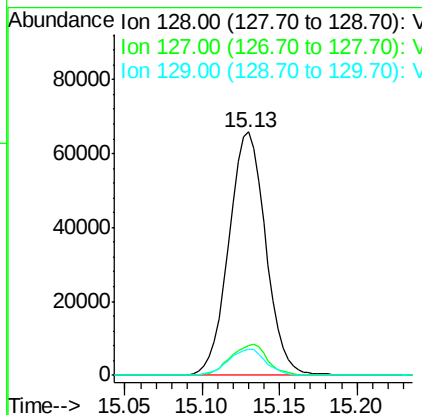
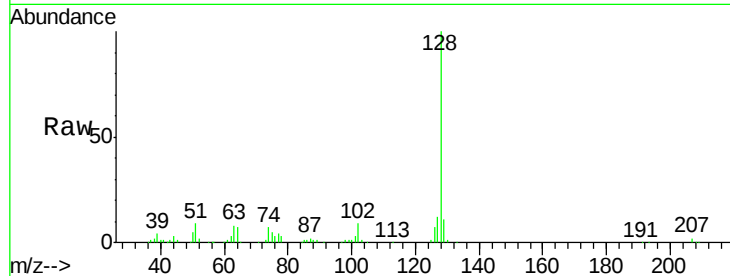
ClientSampleId :

VN0823WBS01

Tot Ion:	128	Resp:	108562
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 1:12:14 PM



#92

1,2,3-Trichlorobenzene

Concen: 14.056 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion:	180	Resp:	31452
Ion Ratio	Lower	Upper	
180	100		
182	99.3	0.0	187.0
145	36.1	0.0	64.4

