

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058730.D
 Acq On : 12 Oct 2019 2:39
 Operator : JC/SP
 Sample : VN1013WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:49:00 AM

Quant Time: Oct 12 06:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	394098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	650611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	607397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285178	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	290985	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	209452	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.09	98	810878	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	293664	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106055	21.607	ug/l	100
3) Chloromethane	2.04	50	120240	20.601	ug/l	100
4) Vinyl Chloride	2.17	62	119904	20.627	ug/l	100
5) Bromomethane	2.55	94	74782	21.147	ug/l	100
6) Chloroethane	2.68	64	75313	21.004	ug/l	100
7) Trichlorofluoromethane	3.00	101	145172	20.867	ug/l	98
8) Diethyl Ether	3.39	74	51045	19.858	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80369	20.261	ug/l	98
10) Methyl Iodide	3.93	142	108188	19.986	ug/l	100
11) Tert butyl alcohol	4.76	59	88884	99.474	ug/l	100
12) 1,1-Dichloroethene	3.72	96	77247	20.410	ug/l	97
13) Acrolein	3.58	56	62822	87.419	ug/l	96
14) Allyl chloride	4.30	41	147287	19.284	ug/l	98
15) Acrylonitrile	4.96	53	231956	102.938	ug/l	99
16) Acetone	3.80	43	209744	91.826	ug/l	100
17) Carbon Disulfide	4.03	76	242241	20.023	ug/l	100
18) Methyl Acetate	4.30	43	121964	21.050	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	281913	20.860	ug/l	97
20) Methylene Chloride	4.53	84	94385	19.772	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	87457	20.658	ug/l	95
22) Diisopropyl ether	5.93	45	310340	20.898	ug/l	96
23) Vinyl Acetate	5.87	43	1278859	106.723	ug/l	99
24) 1,1-Dichloroethane	5.82	63	179094	21.175	ug/l	98
25) 2-Butanone	6.82	43	321447	97.365	ug/l	99
26) 2,2-Dichloropropane	6.81	77	118037	15.288	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98081	19.867	ug/l	98
28) Bromochloromethane	7.18	49	62581	21.268	ug/l	99
29) Tetrahydrofuran	7.19	42	217795	102.083	ug/l	99
30) Chloroform	7.35	83	174869	20.578	ug/l	97
31) Cyclohexane	7.64	56	157640	19.479	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	150309	20.741	ug/l	99
36) 1,1-Dichloropropene	7.78	75	130527	19.843	ug/l	98
37) Ethyl Acetate	6.91	43	137771	20.709	ug/l	99
38) Carbon Tetrachloride	7.76	117	131894	20.573	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	143028	18.738	ug/l	99
40) Benzene	8.02	78	380060	20.117	ug/l	100
41) Methacrylonitrile	7.17	41	68550m	22.012	ug/l	
42) 1,2-Dichloroethane	8.11	62	150178	20.691	ug/l	99
43) Isopropyl Acetate	8.15	43	221041	19.504	ug/l	99
44) Trichloroethene	8.82	130	95133	20.277	ug/l	97
45) 1,2-Dichloropropane	9.11	63	105696	20.899	ug/l	95
46) Dibromomethane	9.20	93	66372	20.699	ug/l	100
47) Bromodichloromethane	9.39	83	134263	20.562	ug/l	95
48) Methyl methacrylate	9.19	41	100345	19.533	ug/l	99
49) 1,4-Dioxane	9.19	88	31981	402.402	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	678981	106.677	ug/l	99
52) Toluene	10.15	92	233073	20.171	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	142974	19.091	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154482	19.428	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	92655	19.591	ug/l	98
56) Ethyl methacrylate	10.43	69	137084	19.841	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163397	20.275	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	336557	101.077	ug/l	99
59) 2-Hexanone	10.75	43	496354	100.910	ug/l	98
60) Dibromochloromethane	10.90	129	99157	20.325	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93482	19.730	ug/l	99
64) Tetrachloroethene	10.63	164	83875	19.732	ug/l	95
65) Chlorobenzene	11.43	112	247668	20.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	92828	20.352	ug/l	99
67) Ethyl Benzene	11.51	91	447526	20.353	ug/l	100
68) m/p-Xylenes	11.62	106	329896	39.980	ug/l	99
69) o-Xylene	11.95	106	158390	19.840	ug/l	99
70) Styrene	11.97	104	255140	19.499	ug/l	99
71) Bromoform	12.13	173	65767	19.671	ug/l #	99
73) Isopropylbenzene	12.25	105	427134	20.681	ug/l	100
74) N-amyl acetate	12.07	43	187097	20.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	139493	20.502	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	135951m	21.731	ug/l	
77) Bromobenzene	12.53	156	102622	20.428	ug/l	98
78) n-propylbenzene	12.59	91	502030	20.860	ug/l	100
79) 2-Chlorotoluene	12.68	91	300062	20.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	366591	20.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40975	17.544	ug/l	92
82) 4-Chlorotoluene	12.78	91	311468	20.320	ug/l	99
83) tert-Butylbenzene	13.00	119	309557	20.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	367212	20.978	ug/l	100
85) sec-Butylbenzene	13.18	105	409758	20.587	ug/l	99
86) p-Isopropyltoluene	13.29	119	369951	20.451	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	186343	20.114	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	185825	19.728	ug/l	98
89) n-Butylbenzene	13.62	91	320749	19.176	ug/l	100
90) Hexachloroethane	13.88	117	66963	20.688	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	185209	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30293	19.058	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105689	19.188	ug/l	100
94) Hexachlorobutadiene	15.02	225	53057	18.292	ug/l	99
95) Naphthalene	15.13	128	305969	19.328	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	103267	19.203	ug/l	99

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

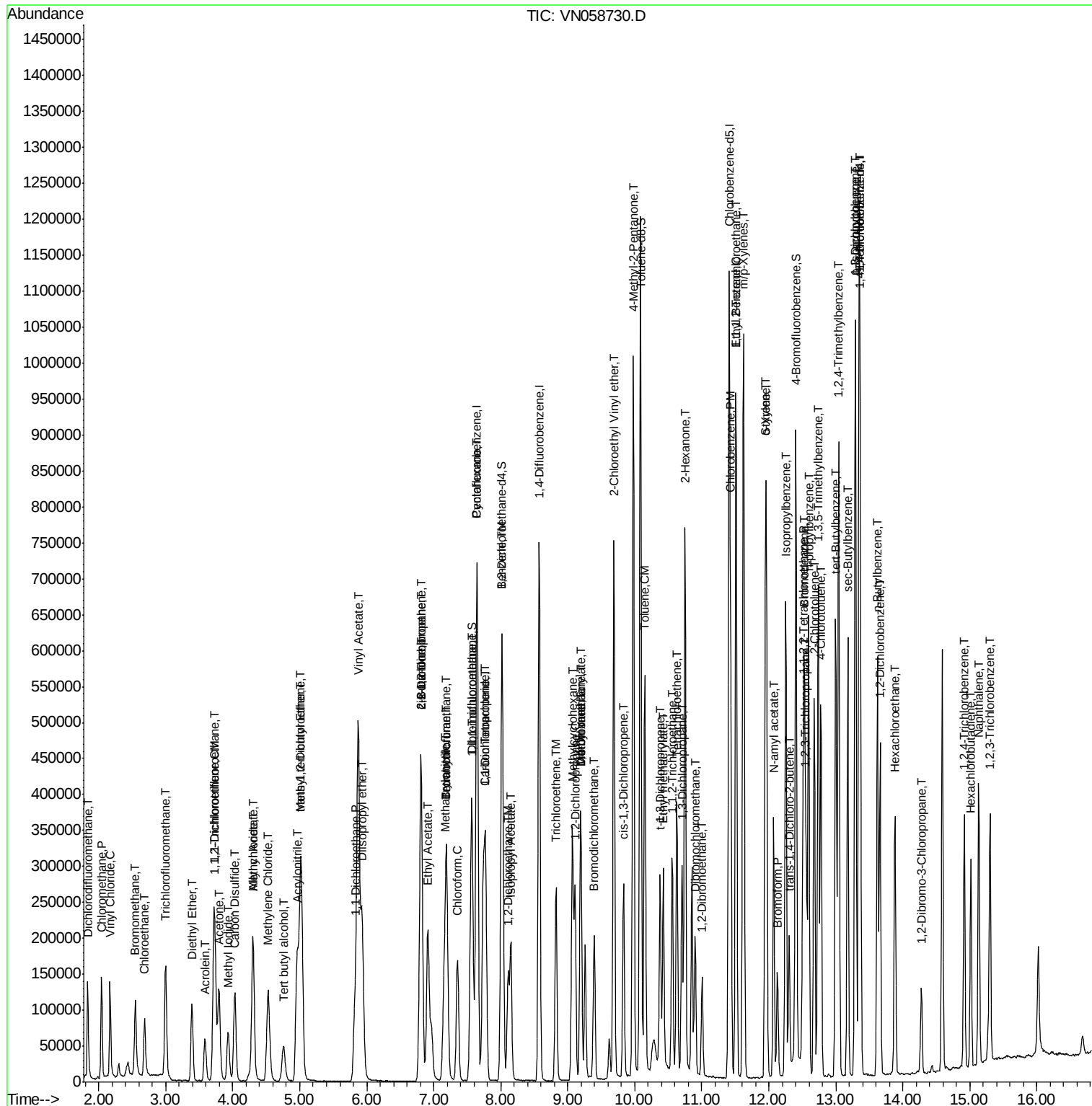
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 Acd On : 12 Oct 2019 2:39
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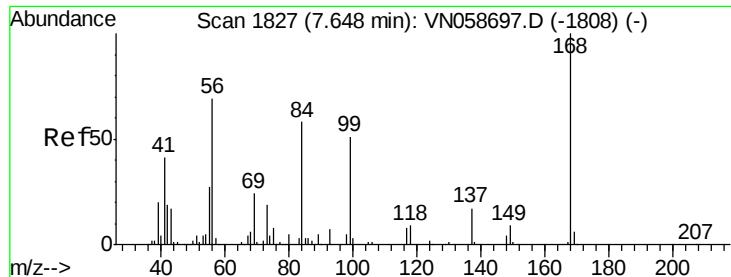
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1013WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion:168 Resp: 394098

Ion Ratio Lower Upper

168 100

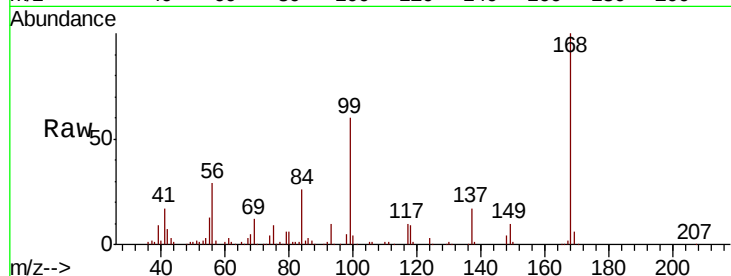
99 60.0 47.5 71.3

Manual Integrations

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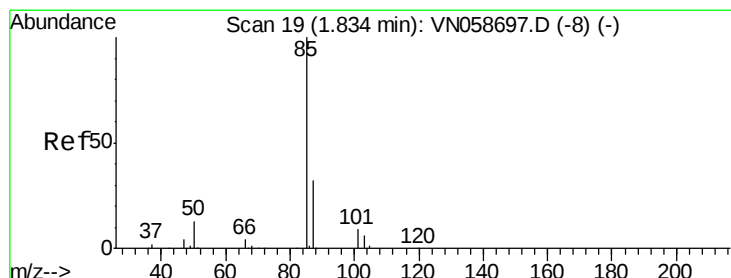
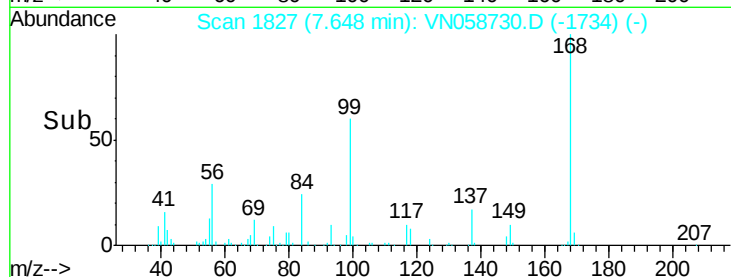
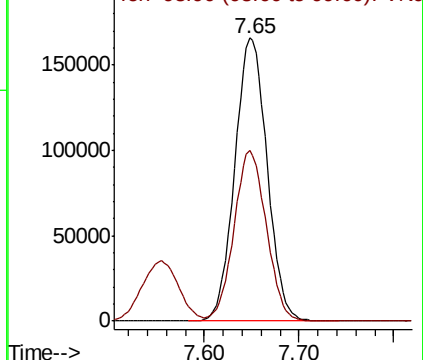
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.607 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058730.D

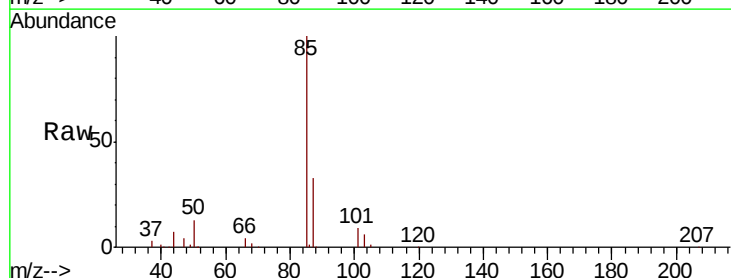
Acq: 12 Oct 2019 2:39

Tgt Ion: 85 Resp: 106055

Ion Ratio Lower Upper

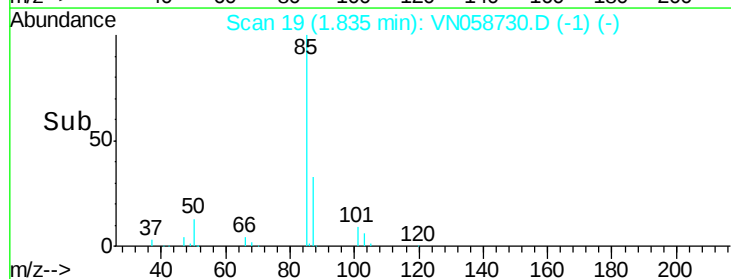
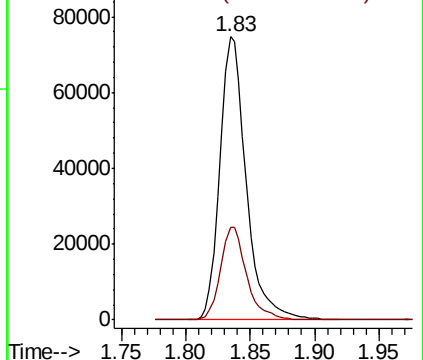
85 100

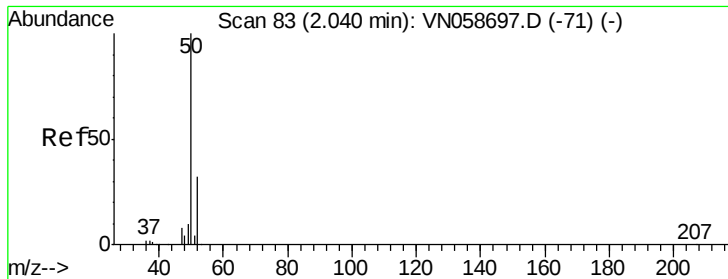
87 32.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.601 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 50 Resp: 120240

Ion Ratio Lower Upper

50 100

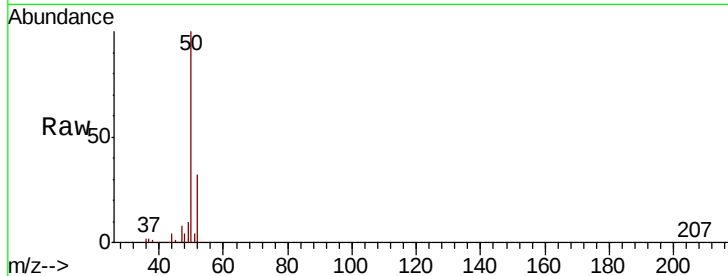
52 32.2 25.8 38.6

Manual Integrations

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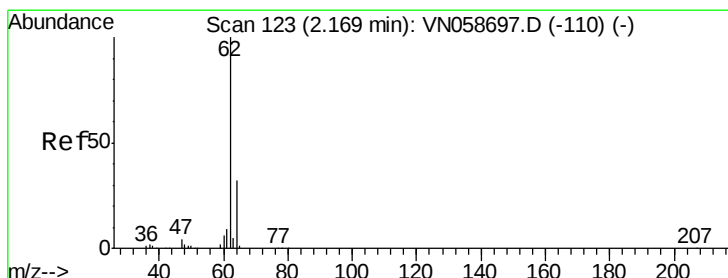
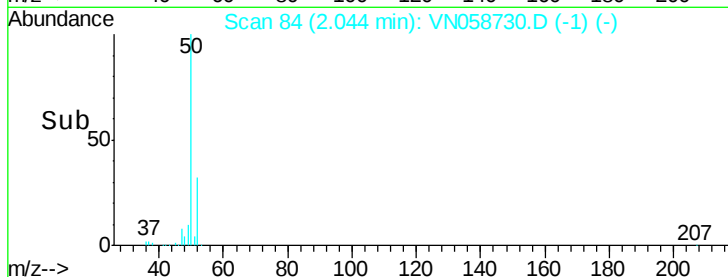
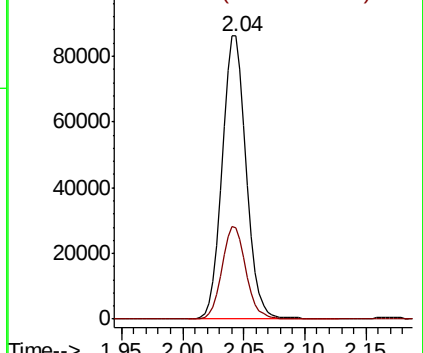
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.627 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058730.D

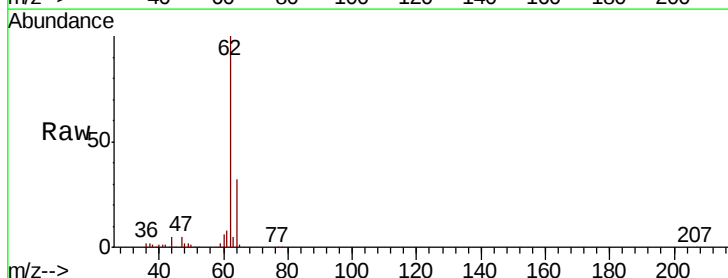
Acq: 12 Oct 2019 2:39

Tgt Ion: 62 Resp: 119904

Ion Ratio Lower Upper

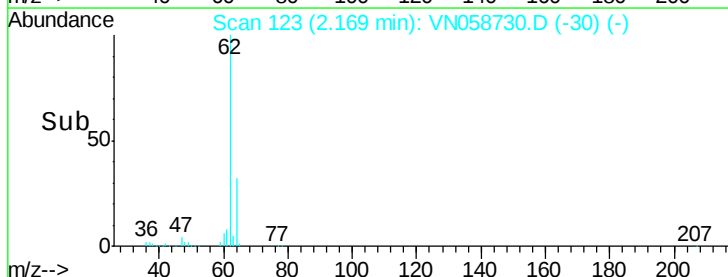
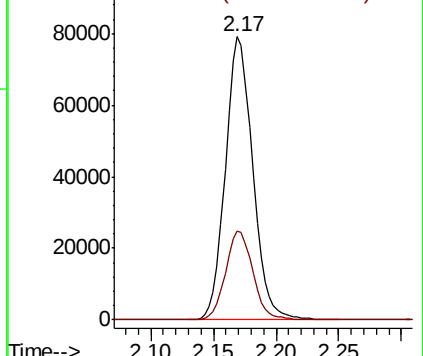
62 100

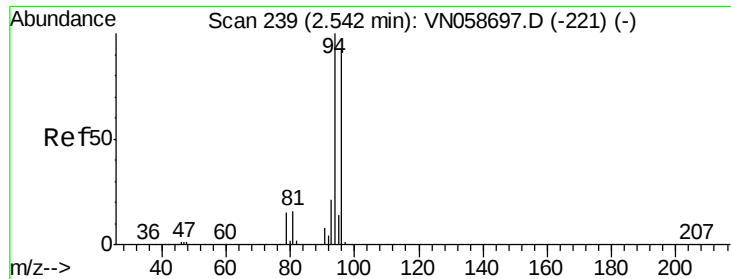
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 21.147 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 74782

Ion Ratio Lower Upper

94 100

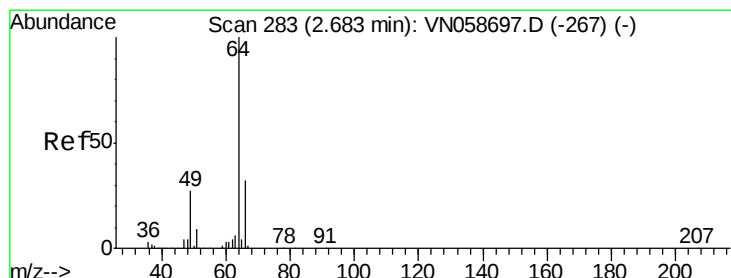
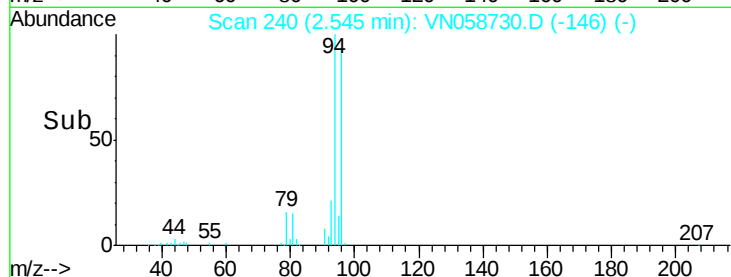
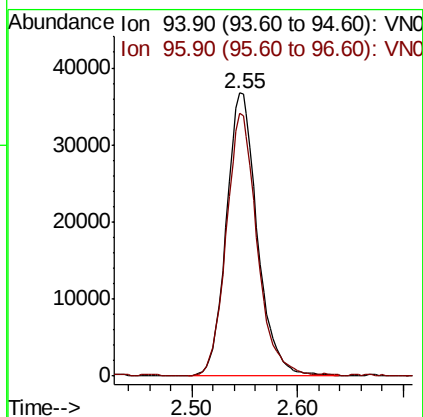
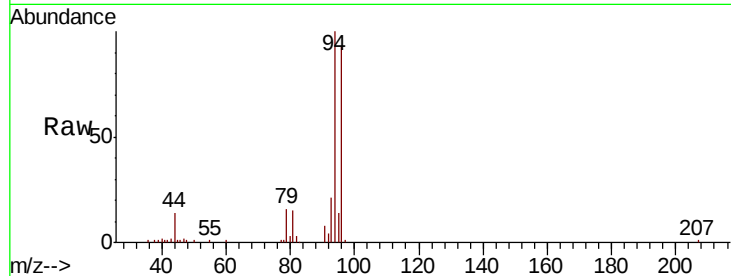
96 93.0 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 21.004 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058730.D

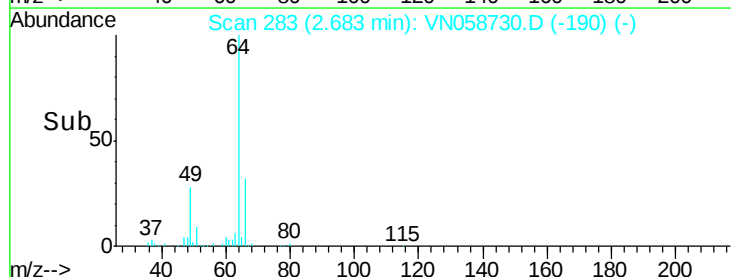
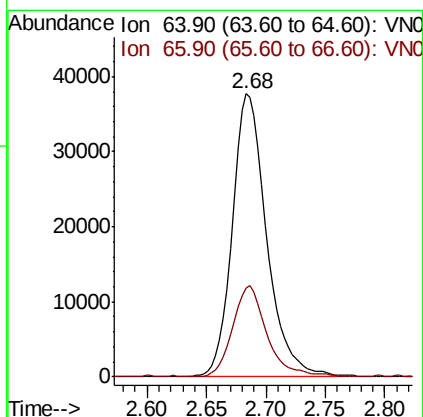
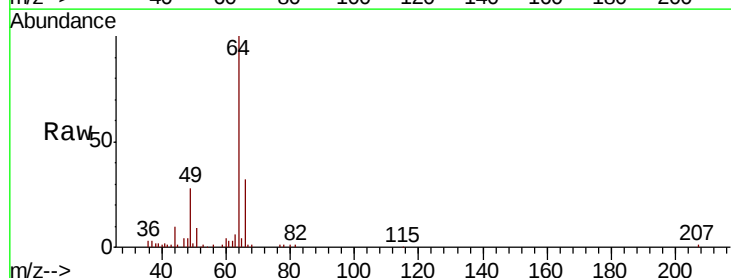
Acq: 12 Oct 2019 2:39

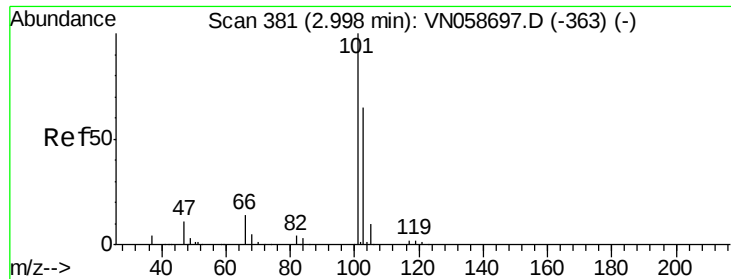
Tgt Ion: 64 Resp: 75313

Ion Ratio Lower Upper

64 100

66 31.5 25.4 38.2





#7

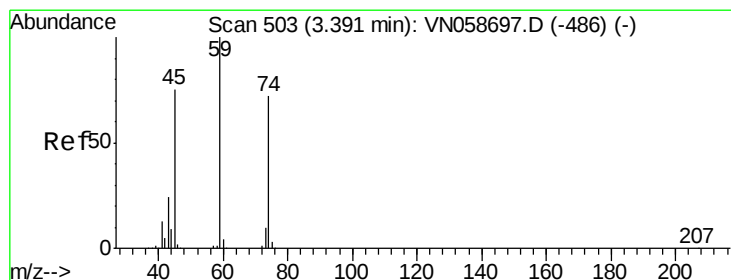
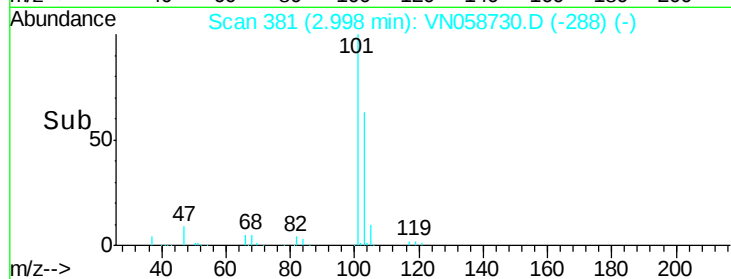
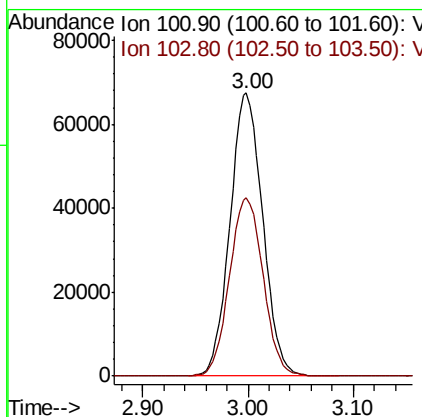
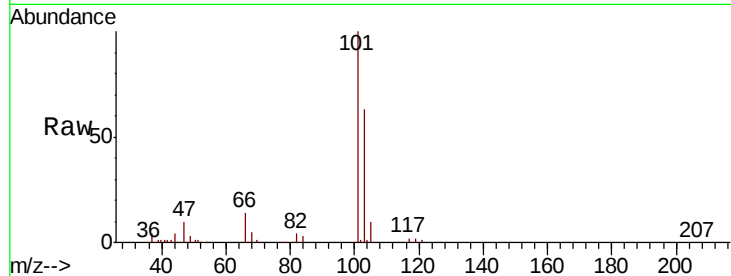
Trichlorofluoromethane
 Concen: 20.867 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	145172		
103	62.9	51.8	77.6	

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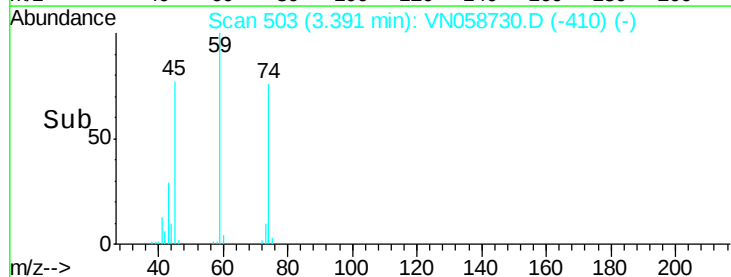
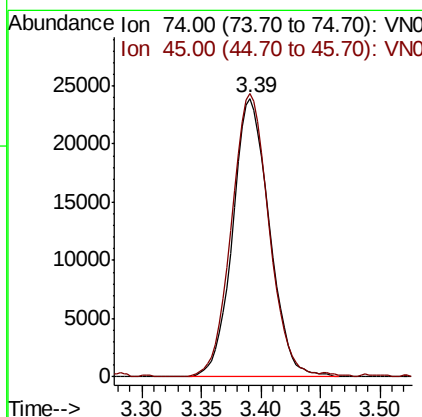
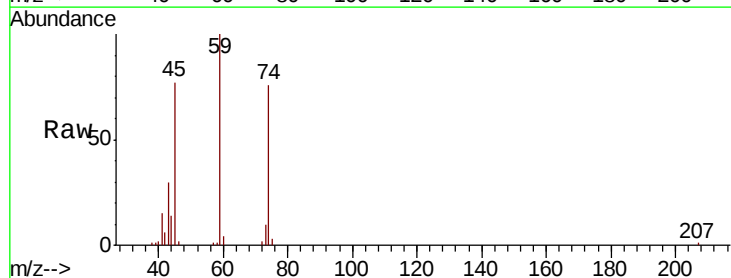
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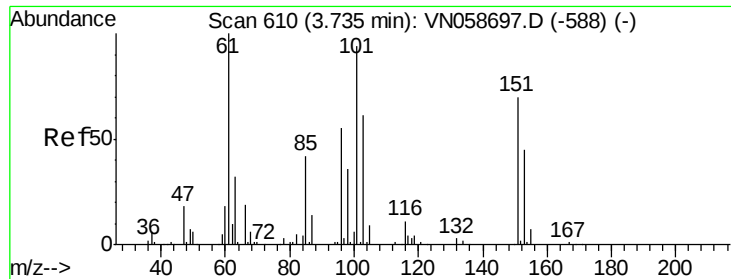


#8

Diethyl Ether
 Concen: 19.858 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51045		
45	103.9	51.3	154.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.261 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

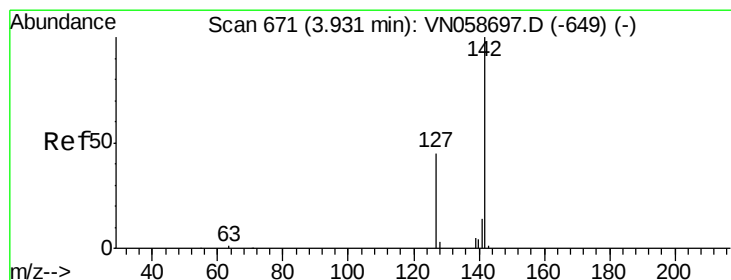
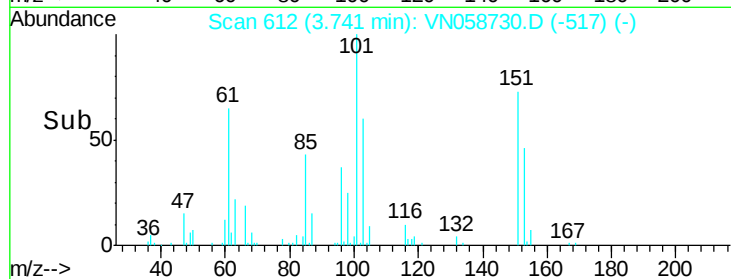
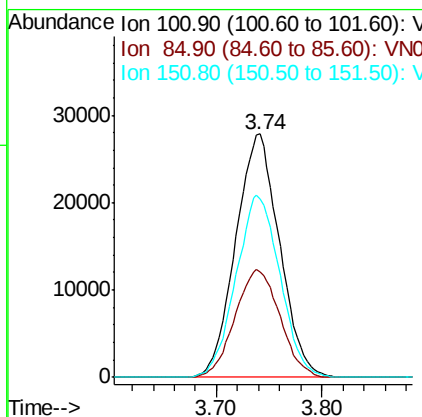
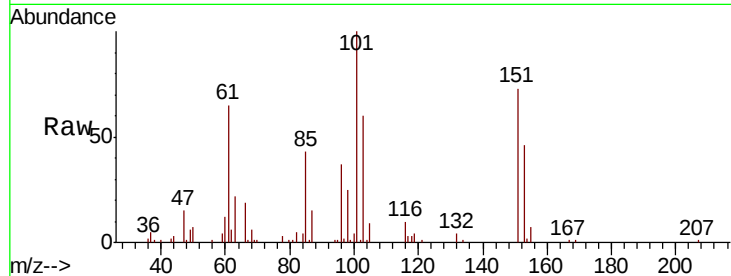
ClientSampleId :

VN1013WBSD02

Tot Ion:	101	Resp:	80369
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	75.2	61.8	92.6

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#10

Methyl Iodide

Concen: 19.986 ug/l

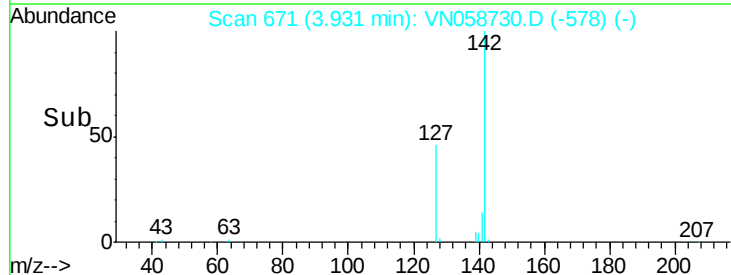
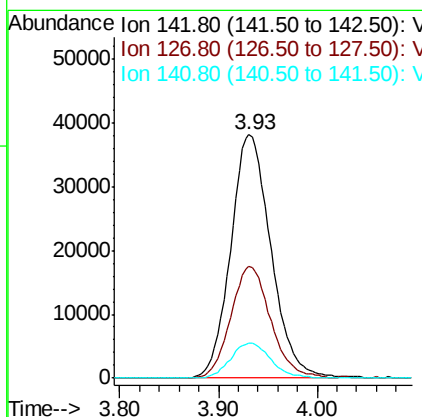
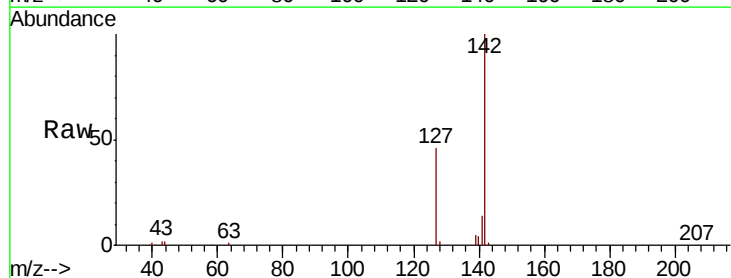
RT: 3.93 min Scan# 671

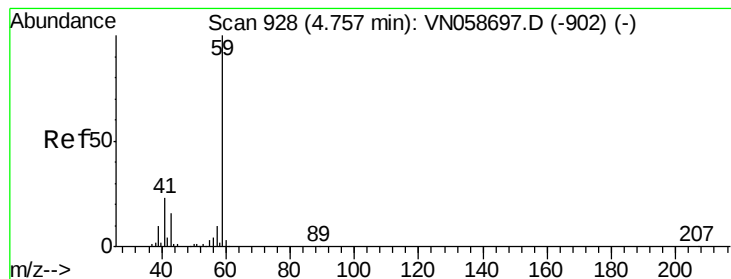
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	142	Resp:	108188
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.4	54.6
141	14.3	11.1	16.7





#11

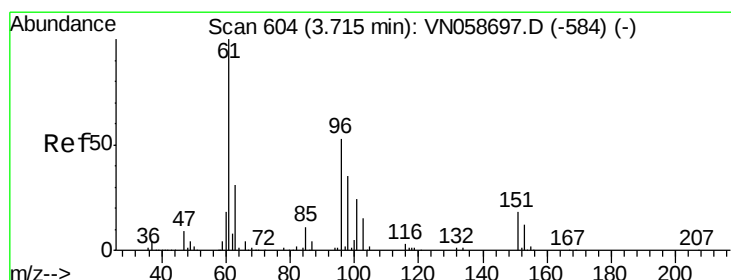
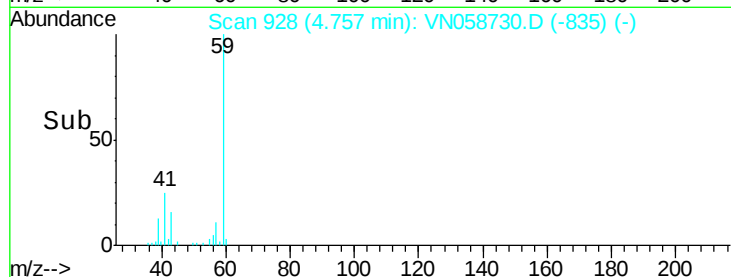
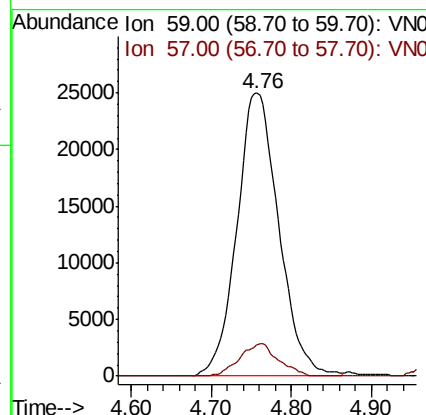
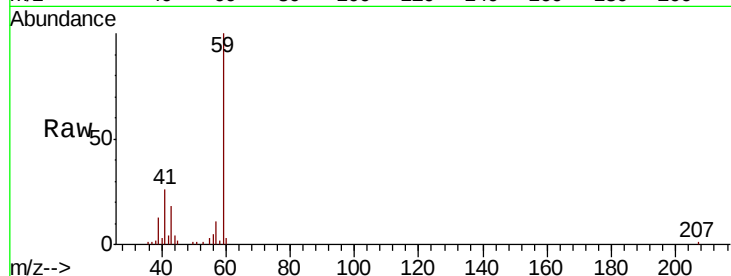
Tert butyl alcohol
 Concen: 99.474 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion	59	Resp	88884
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

Manual Integrations
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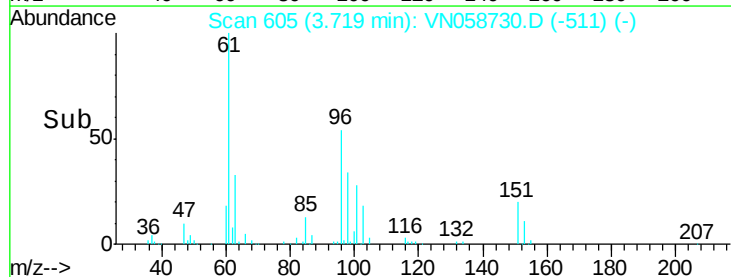
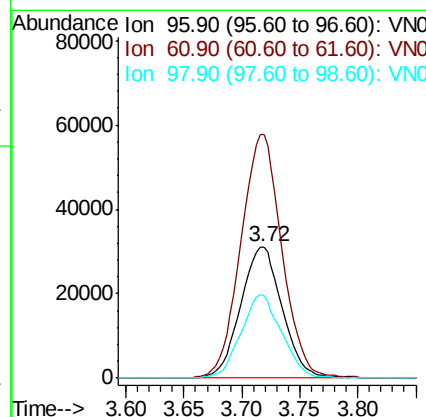
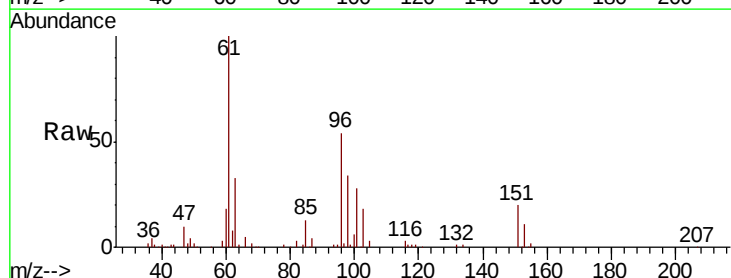
MMDadoda
 10/16/2019 12:49:00 AM

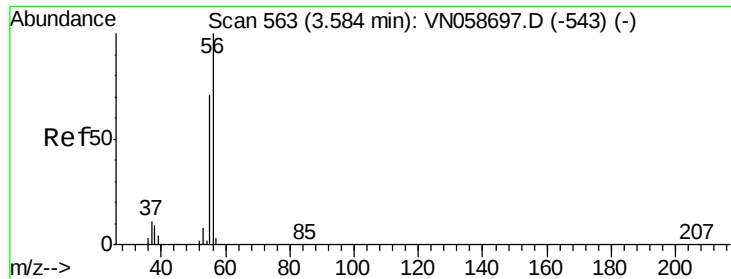


#12

1,1-Dichloroethene
 Concen: 20.410 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	96	Resp	77247
Ion Ratio	100	Lower	Upper
61	185.2	151.3	226.9
98	62.4	52.6	78.8





#13

Acrolein

Concen: 87.419 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 56 Resp: 62822

Ion Ratio Lower Upper

56 100

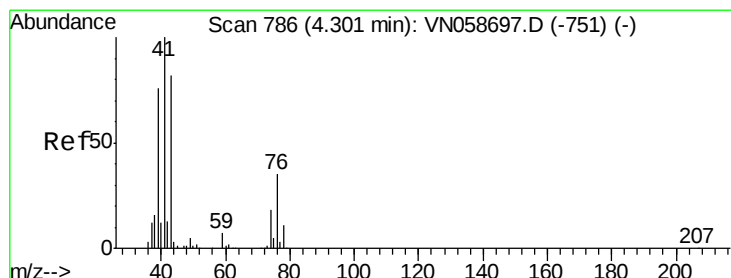
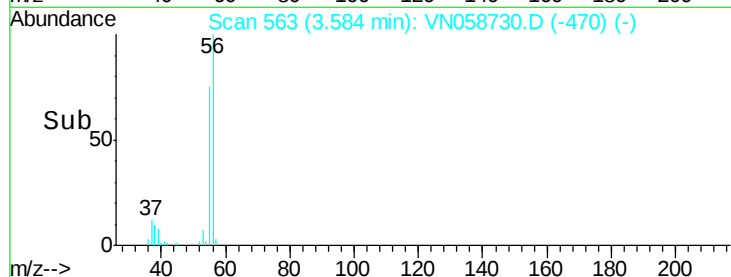
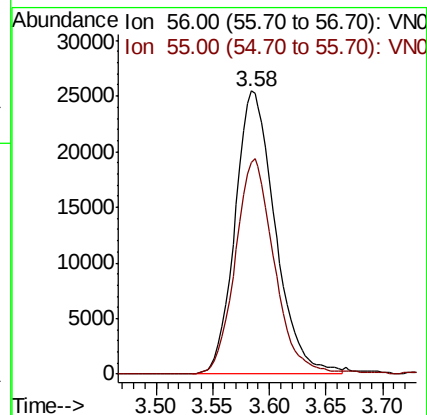
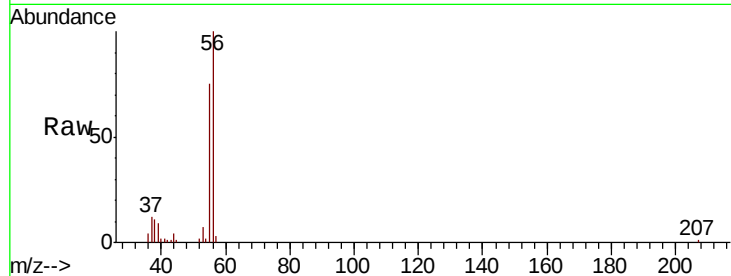
55 74.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.284 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

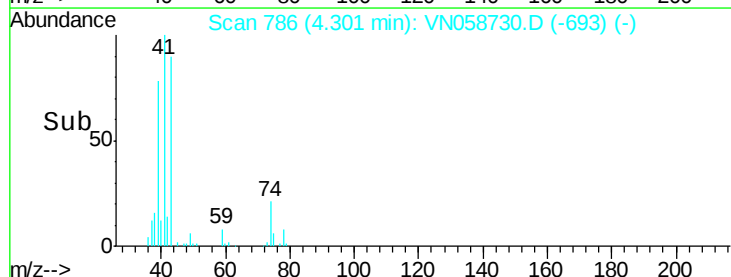
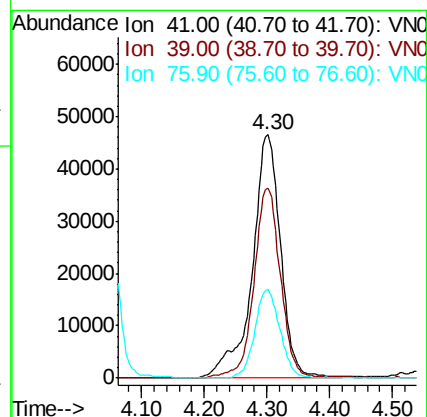
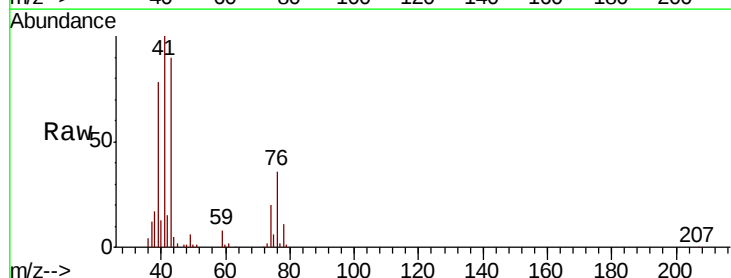
Tgt Ion: 41 Resp: 147287

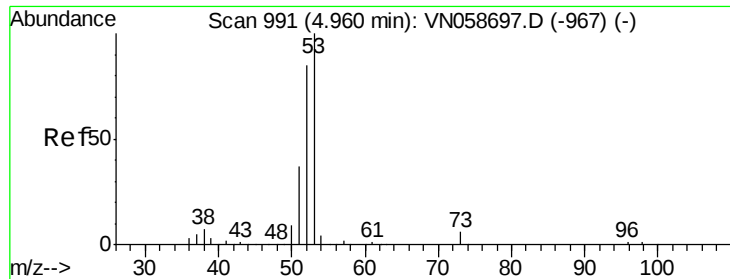
Ion Ratio Lower Upper

41 100

39 73.0 57.2 85.8

76 32.1 25.0 37.6





#15

Acrylonitrile

Concen: 102.938 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

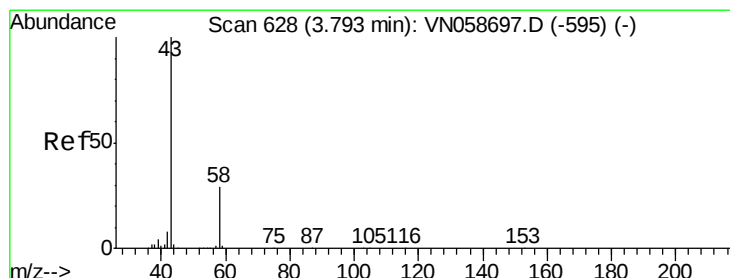
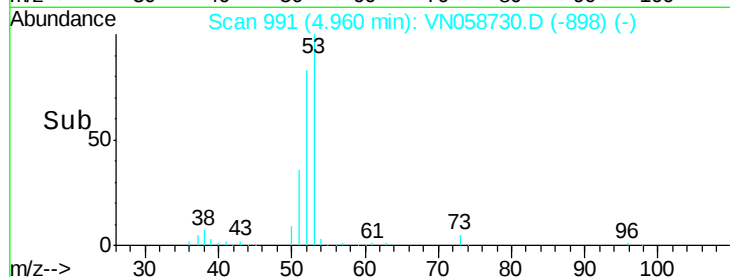
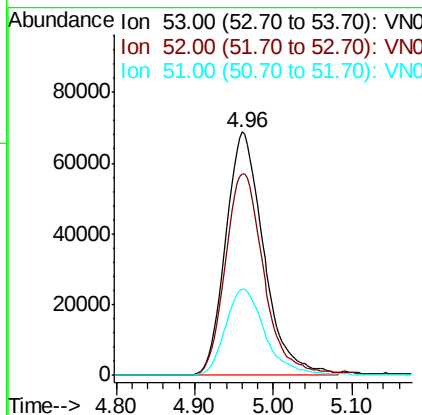
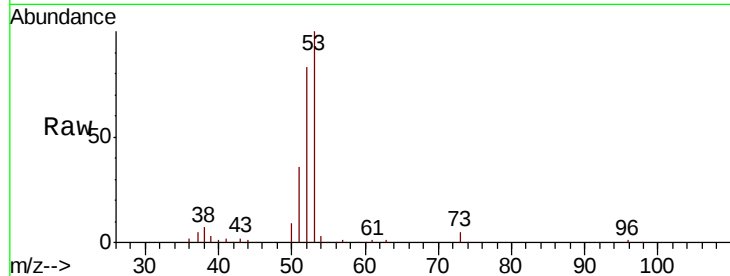
ClientSampleId :

VN1013WBSD02

Tot Ion:	53	Resp:	231956
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.2	99.2
51	36.8	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 91.826 ug/l

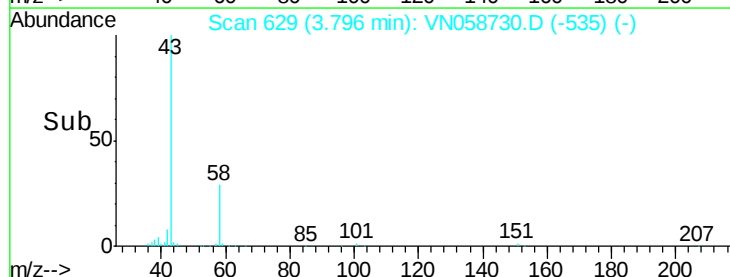
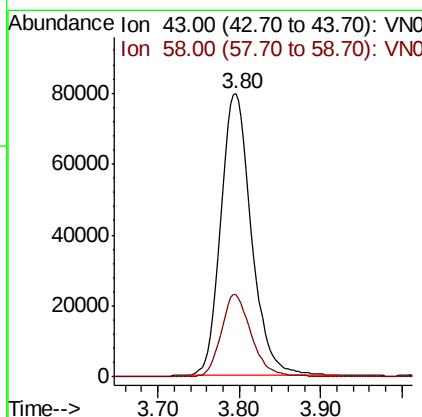
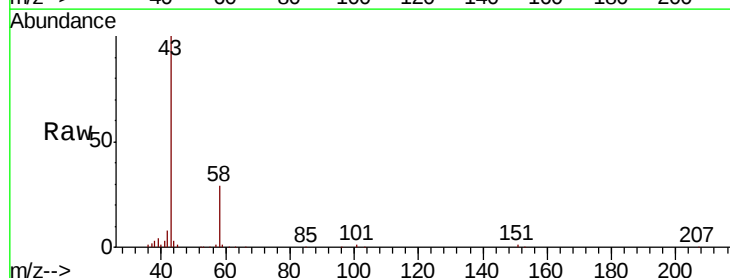
RT: 3.80 min Scan# 629

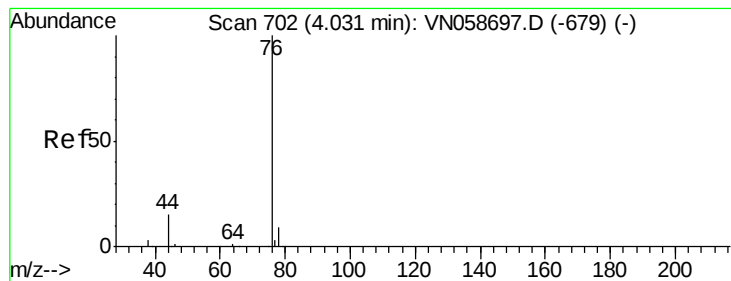
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	43	Resp:	209744
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.3	34.9





#17

Carbon Disulfide

Concen: 20.023 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 76 Resp: 242241

Ion Ratio Lower Upper

76 100

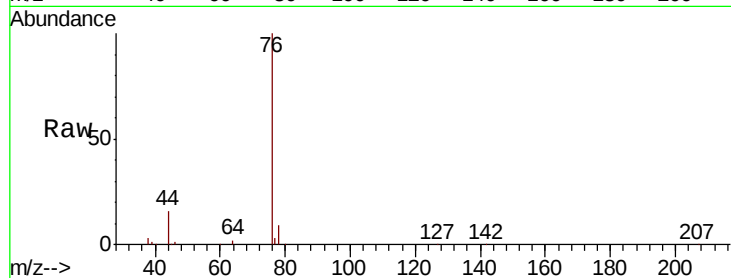
78 8.8 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

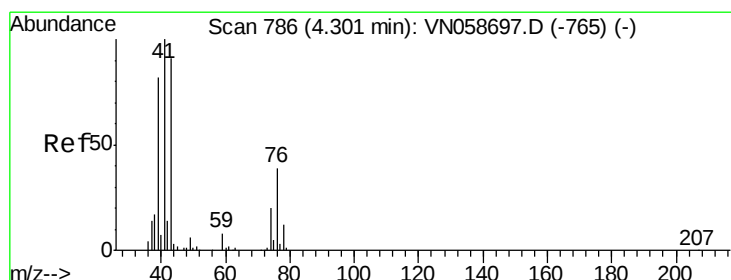
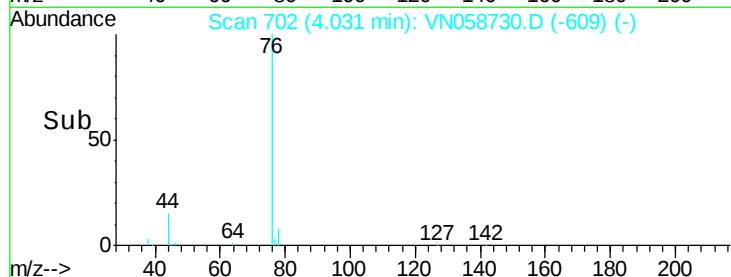
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.050 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058730.D

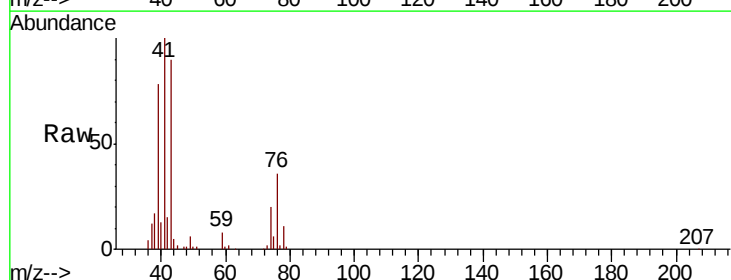
Acq: 12 Oct 2019 2:39

Tgt Ion: 43 Resp: 121964

Ion Ratio Lower Upper

43 100

74 22.1 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

50000

40000

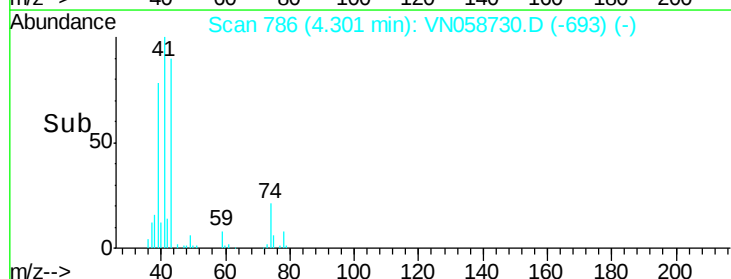
30000

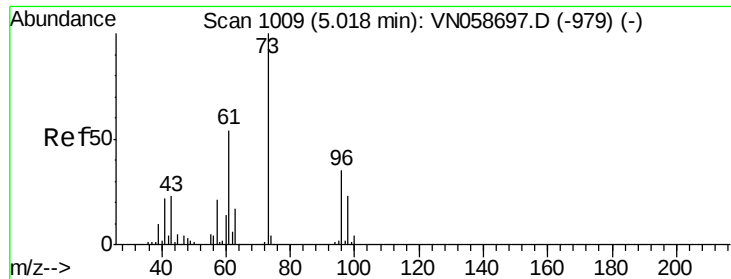
20000

10000

0

Time-->





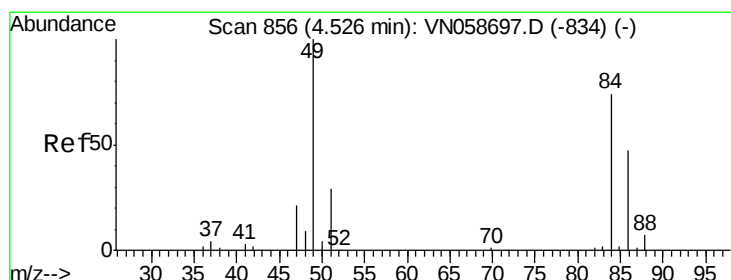
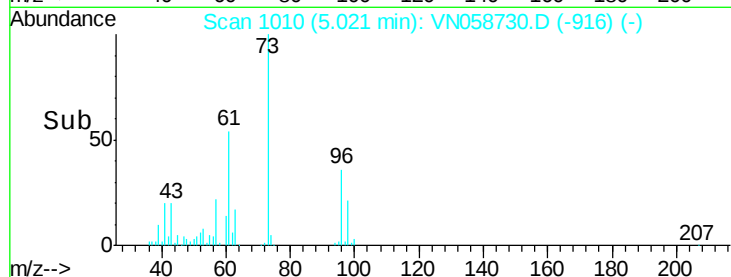
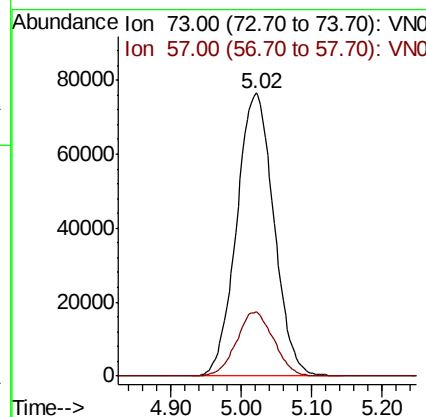
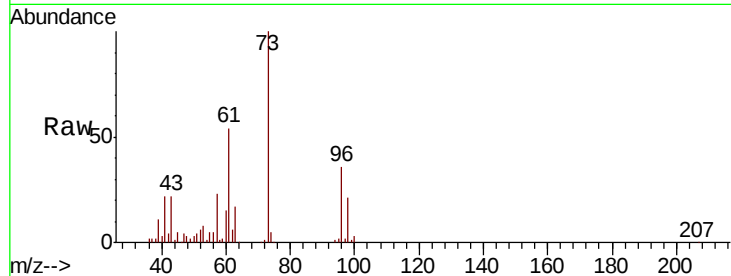
#19
Methvl tert-butvl Ether
Concen: 20.860 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion: 73 Resp: 281913
Ion Ratio Lower Upper
73 100
57 22.7 17.0 25.6

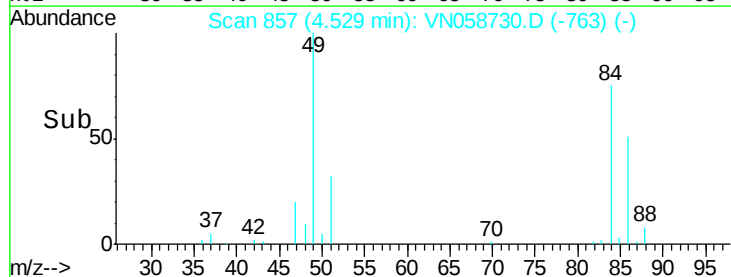
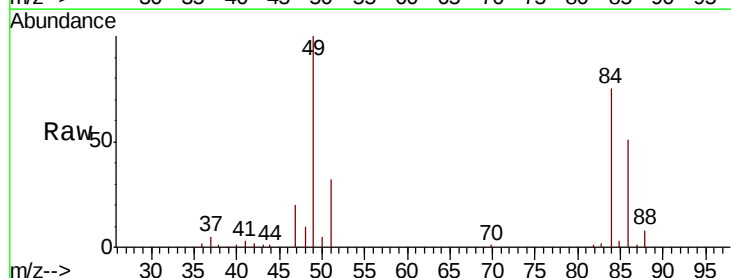
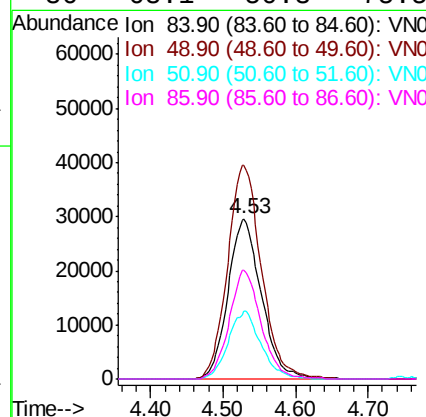
Manual Integrations
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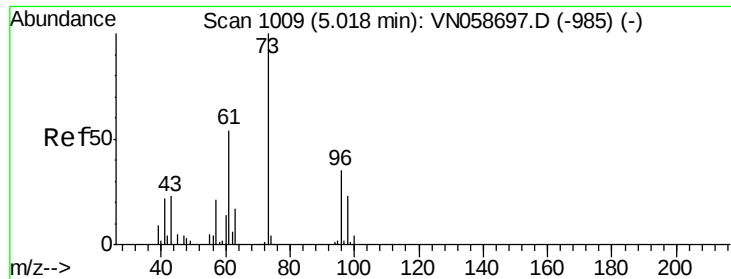
MMDadoda
10/16/2019 12:49:00 AM



#20
Methylene Chloride
Concen: 19.772 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 84 Resp: 94385
Ion Ratio Lower Upper
84 100
49 133.3 107.6 161.4
51 42.3 31.4 47.0
86 68.1 50.3 75.5





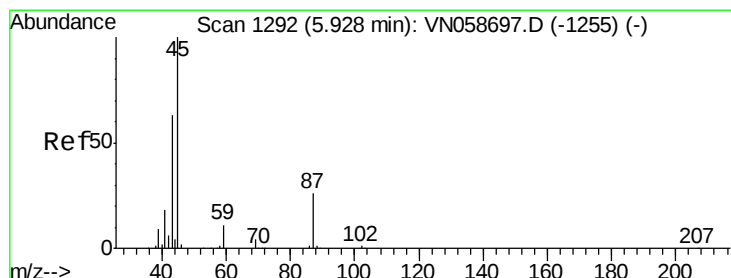
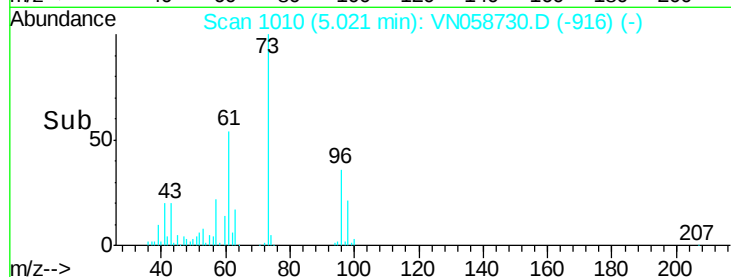
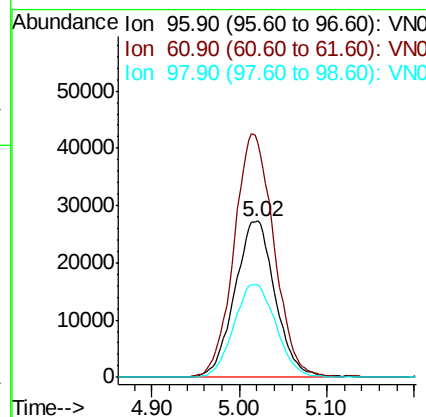
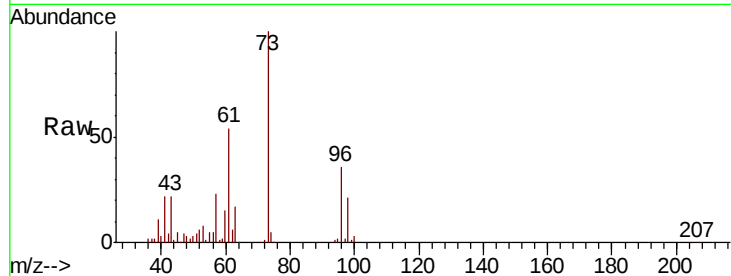
#21
trans-1,2-Dichloroethene
Concen: 20.658 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	123.6	185.4
98	59.4	52.1	78.1

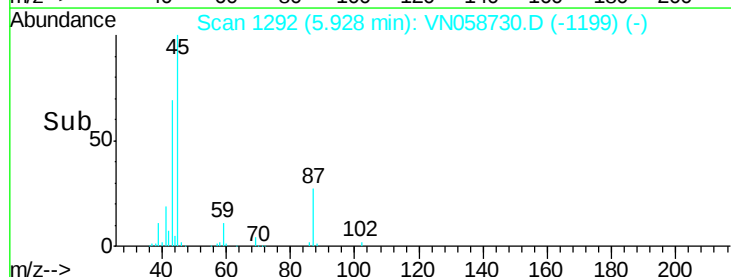
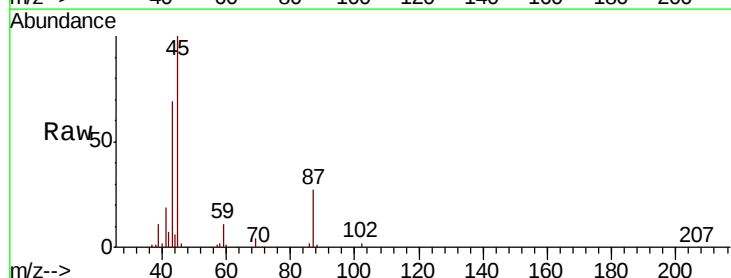
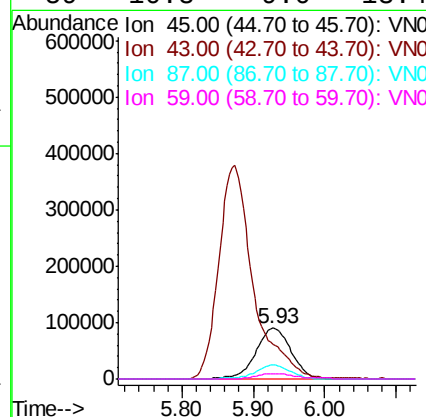
Manual Integrations
APPROVED

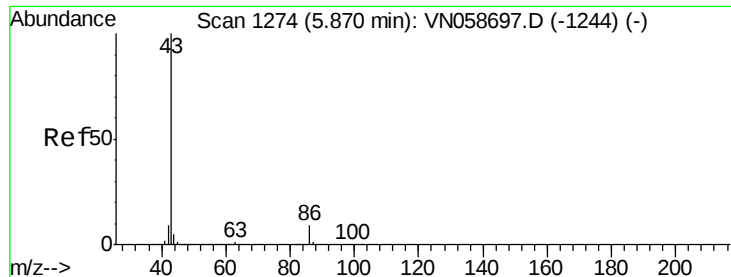
MMDadoda
10/16/2019 12:49:00 AM



#22
Diisopropyl ether
Concen: 20.898 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	50.6	75.8
87	27.2	21.1	31.7
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 106.723 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 43 Resp: 1278859

Ion Ratio Lower Upper

43 100

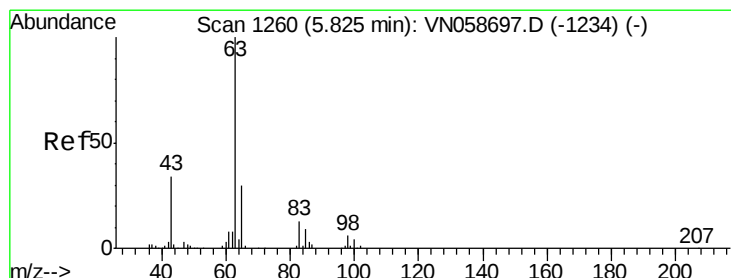
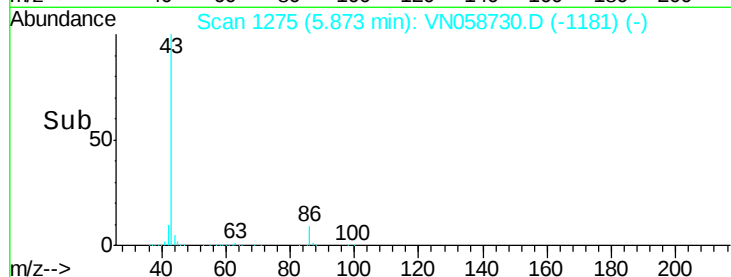
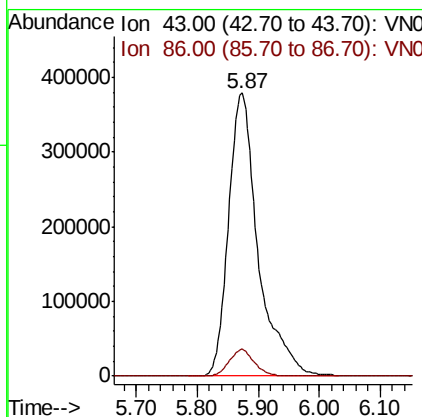
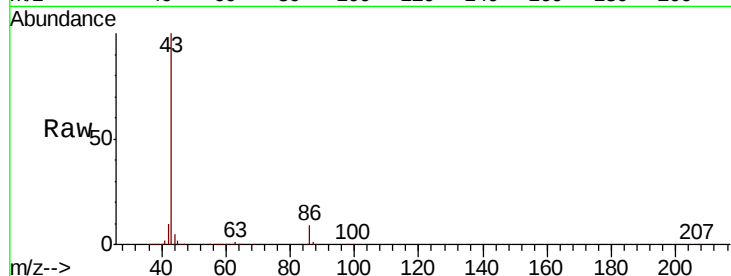
86 9.5 7.4 11.0

Manual Integrations

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MMDadoda

10/16/2019 12:49:00 AM



#24

1,1-Dichloroethane

Concen: 21.175 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

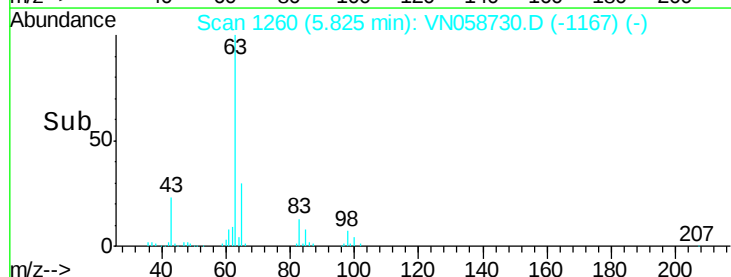
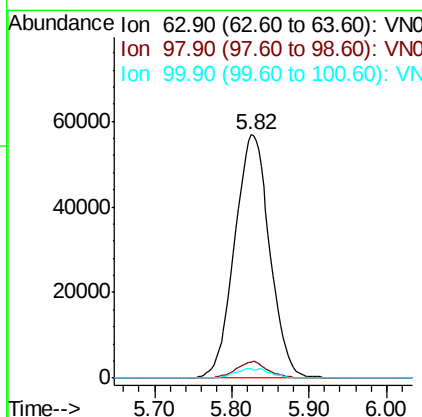
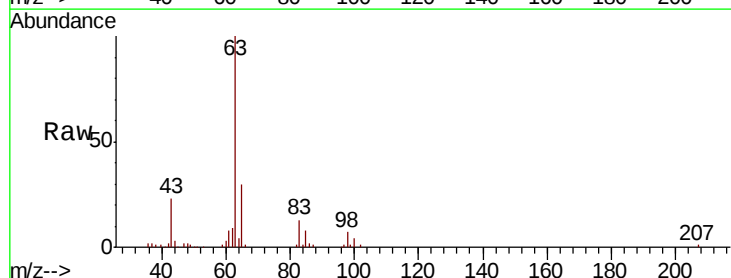
Tgt Ion: 63 Resp: 179094

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 97.365 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tot Ion: 43 Resp: 321447

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2

Instrument :

MSVOA_N

ClientSampleId :

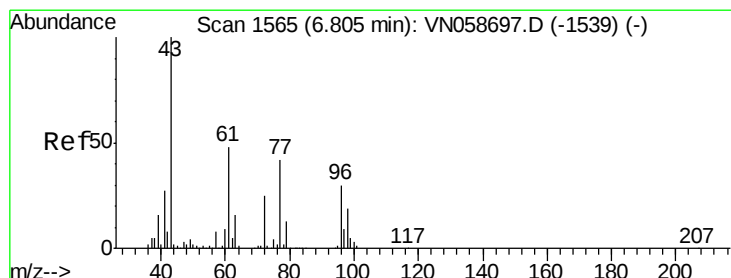
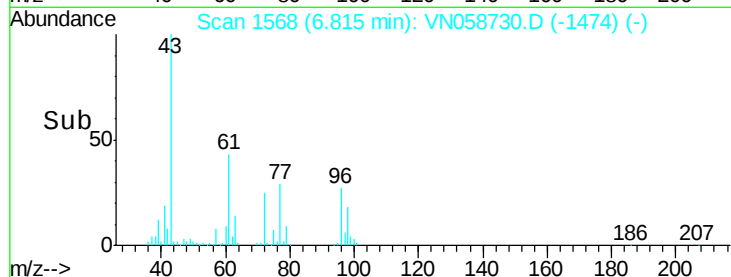
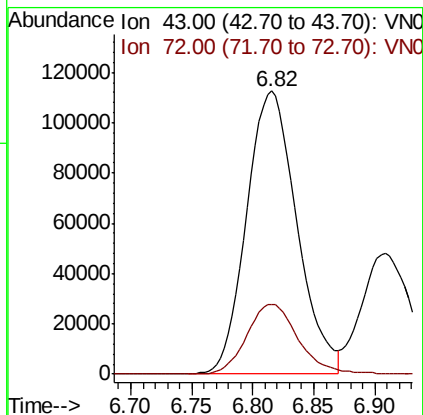
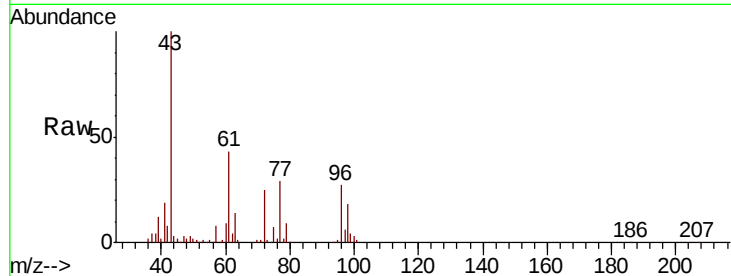
VN1013WBSD02

Manual Integrations

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10/16/2019 12:49:00 AM



#26

2,2-Dichloropropane

Concen: 15.288 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058730.D

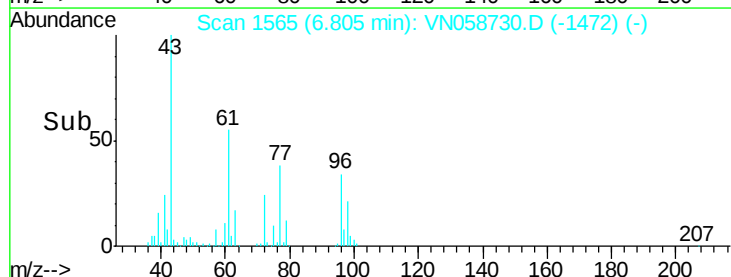
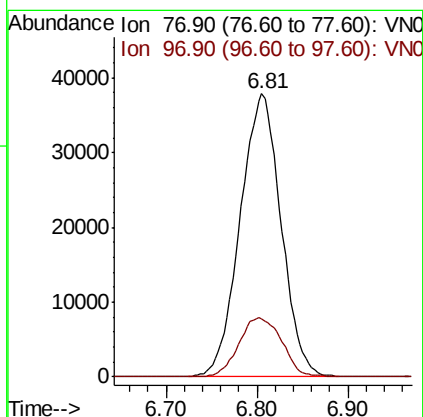
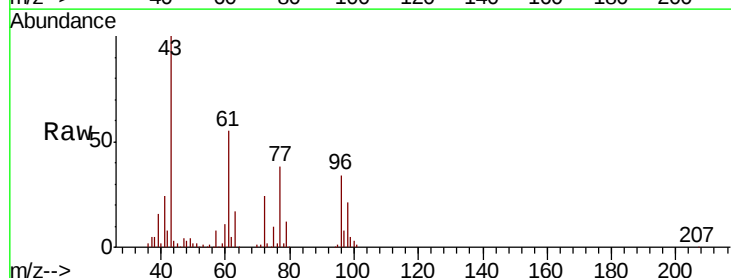
Acq: 12 Oct 2019 2:39

Tgt Ion: 77 Resp: 118037

Ion Ratio Lower Upper

77 100

97 21.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.867 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

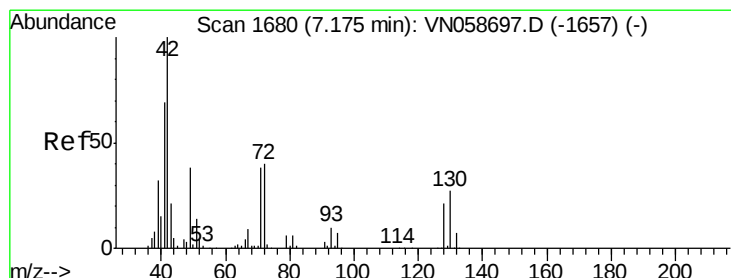
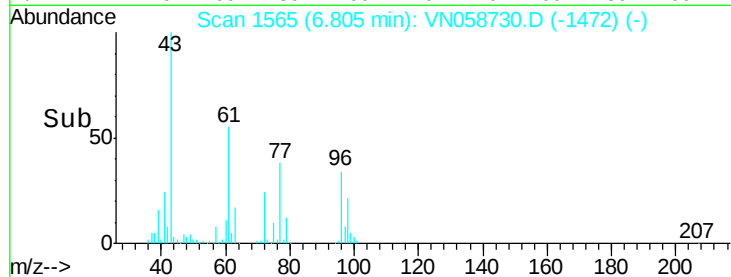
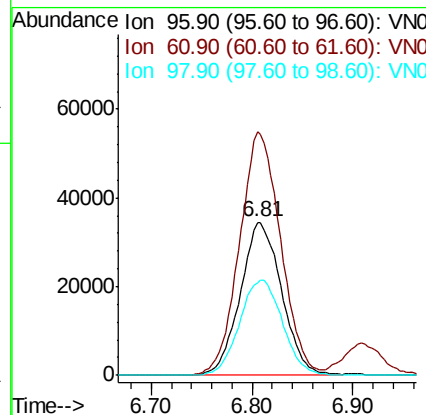
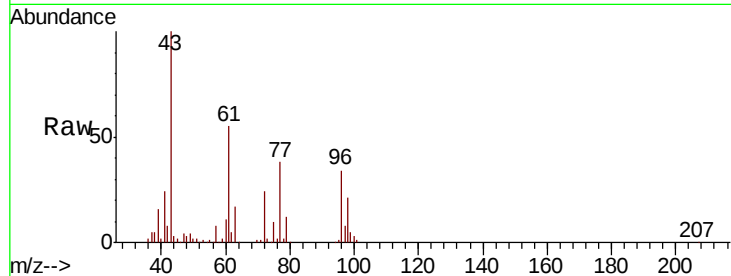
ClientSampleId :

VN1013WBSD02

Tot Ion:	96	Resp:	98081
Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	324.8
98	64.4	0.0	129.2

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#28

Bromochloromethane

Concen: 21.268 ug/l

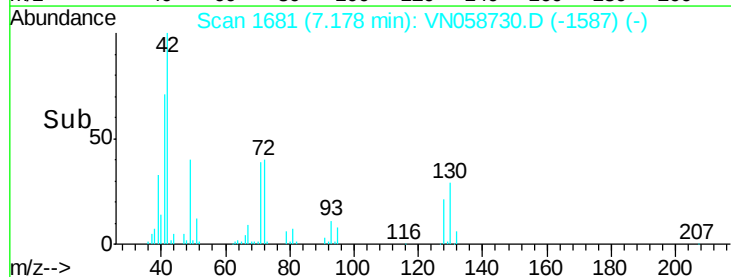
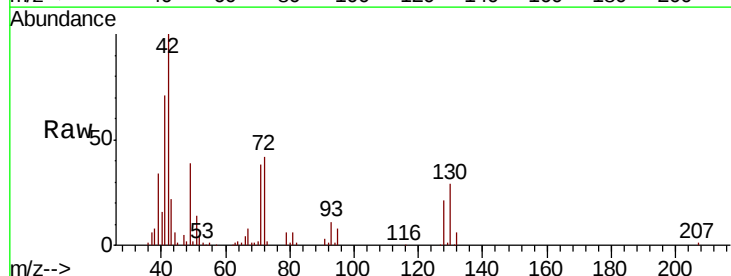
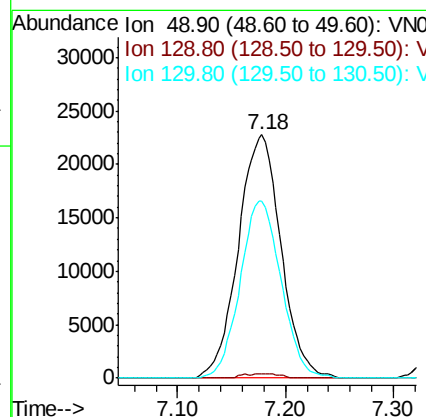
RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	49	Resp:	62581
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.6
130	69.9	55.0	82.4





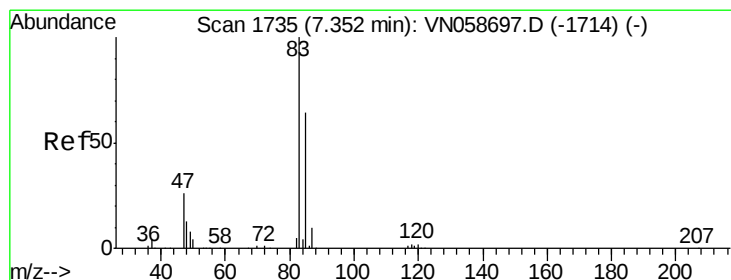
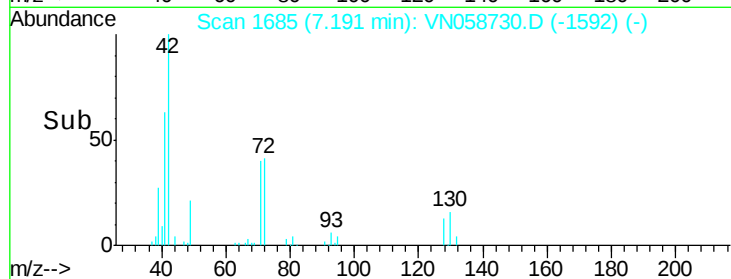
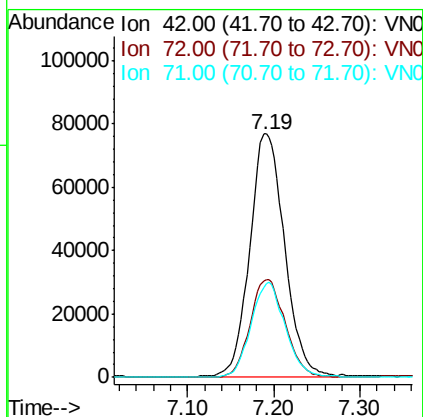
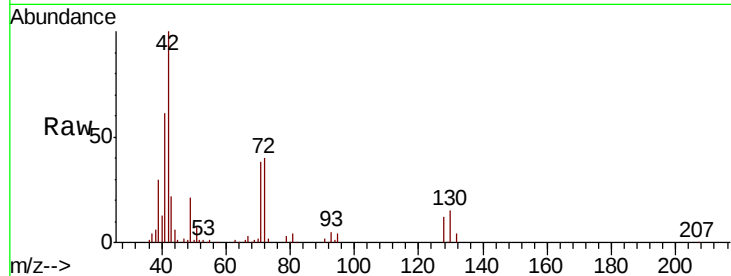
#29
Tetrahydrofuran
Concen: 102.083 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.8	49.2
71	38.3	31.1	46.7

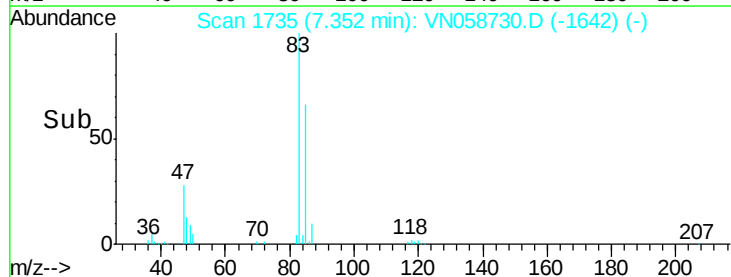
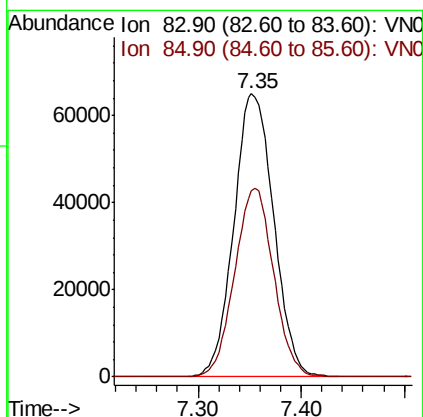
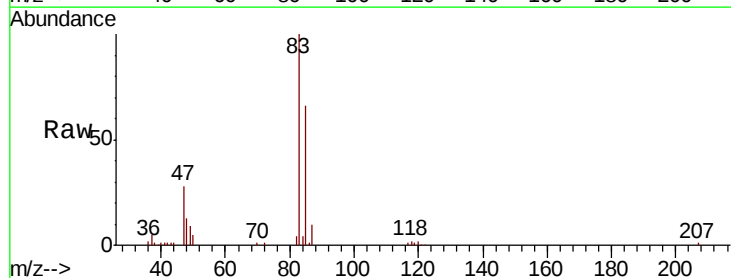
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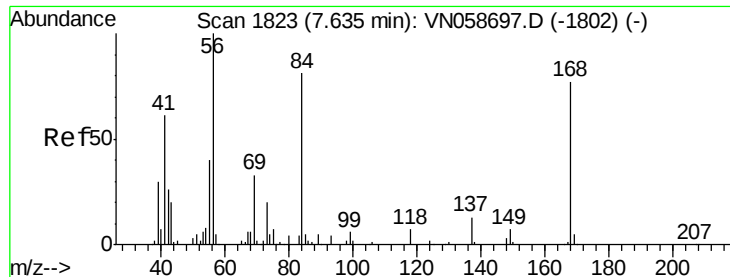
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#30
Chloroform
Concen: 20.578 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.6





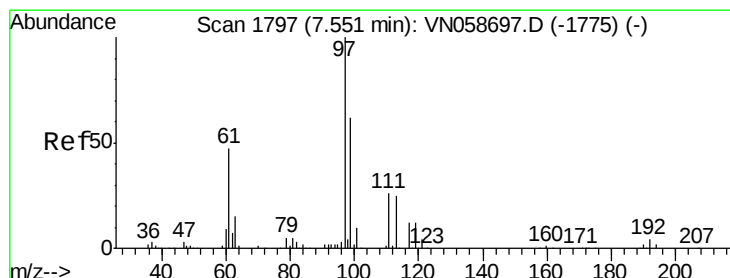
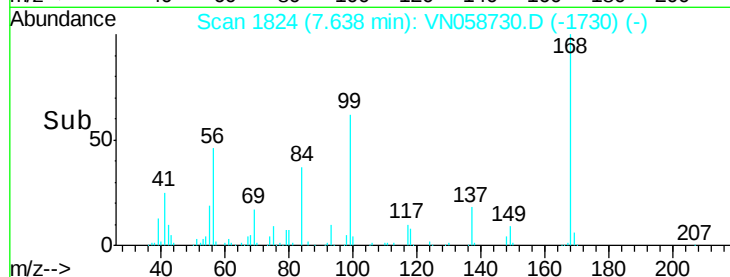
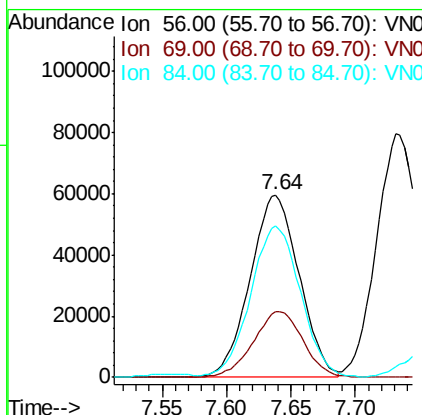
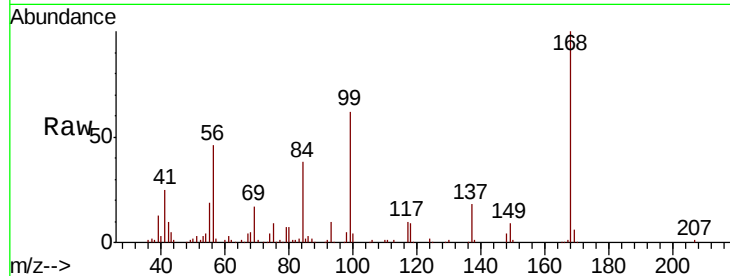
#31
Cyclohexane
Concen: 19.479 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.2	39.4
84	81.4	64.9	97.3

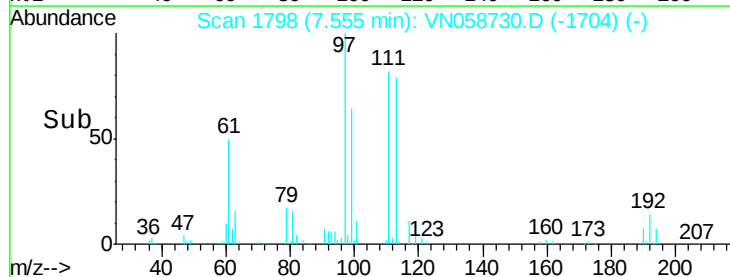
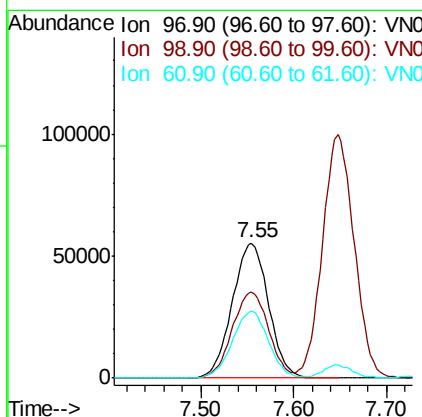
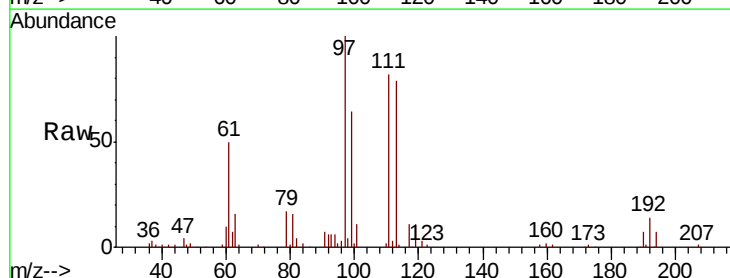
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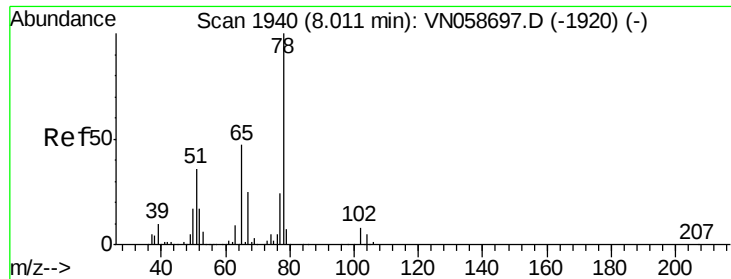
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#32
1,1,1-Trichloroethane
Concen: 20.741 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	49.1	38.1	57.1





#33

1,2-Dichloroethane-d4

Concen: 52.740 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 65 Resp: 290985

Ion Ratio Lower Upper

65 100

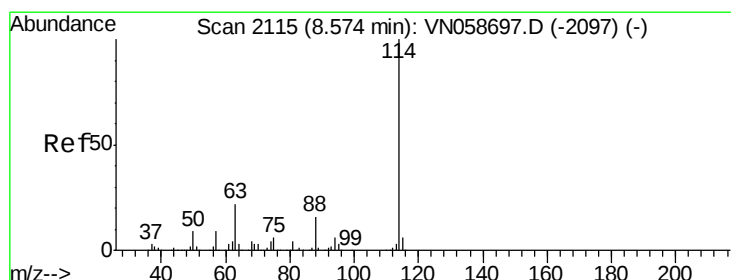
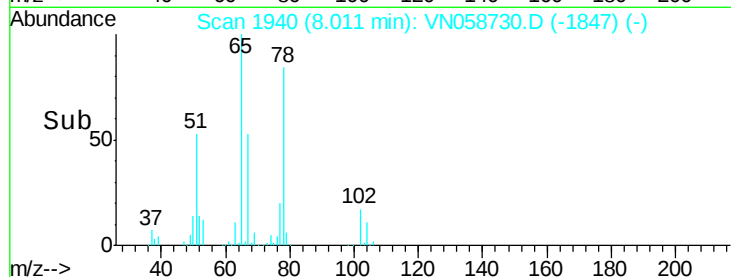
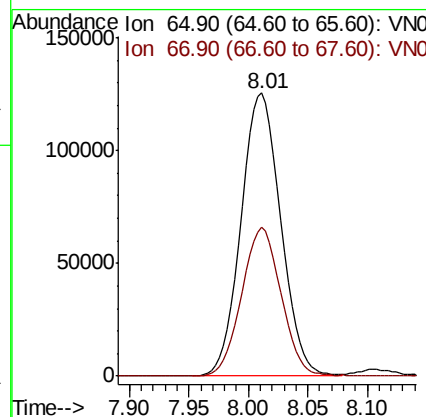
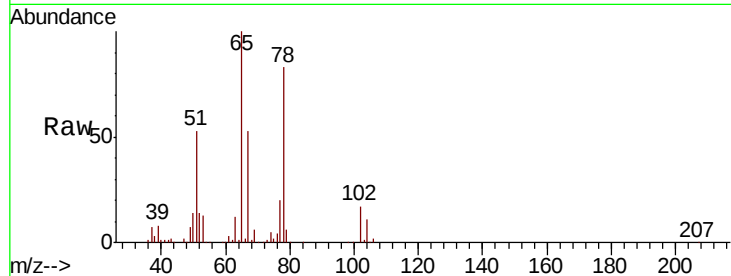
67 52.1 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

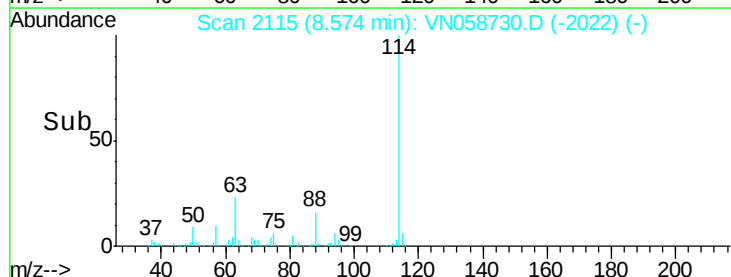
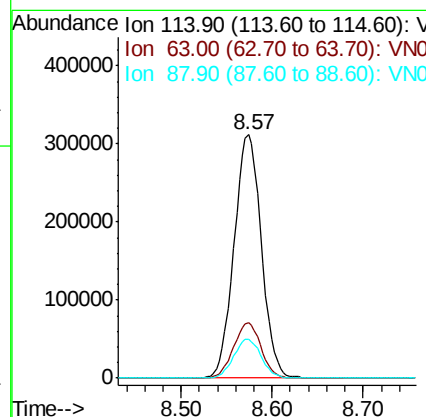
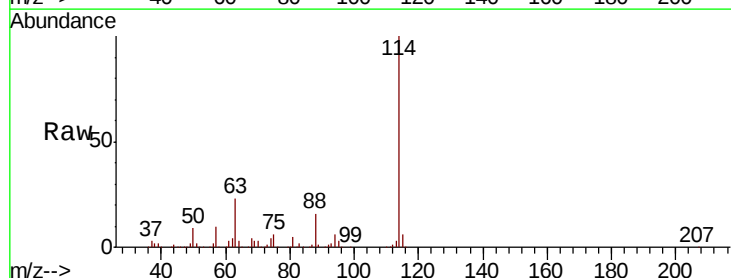
Tgt Ion: 114 Resp: 650611

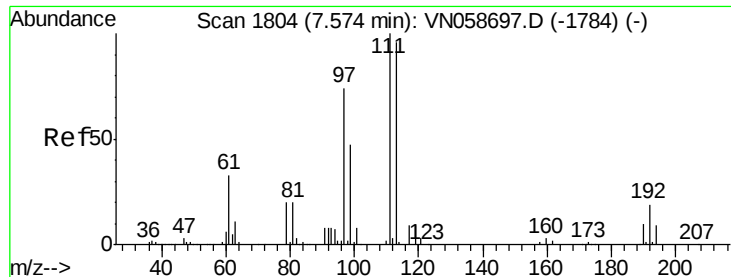
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

88 15.8 0.0 32.0





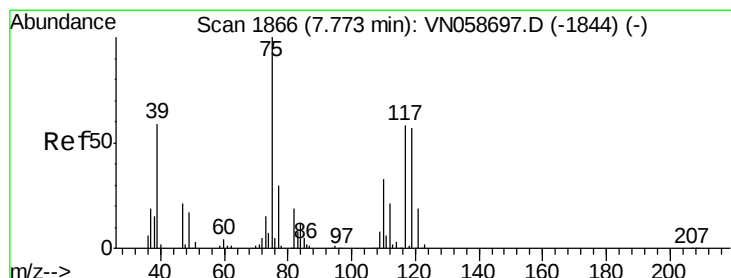
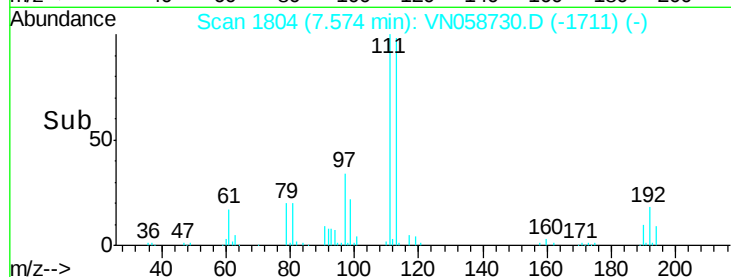
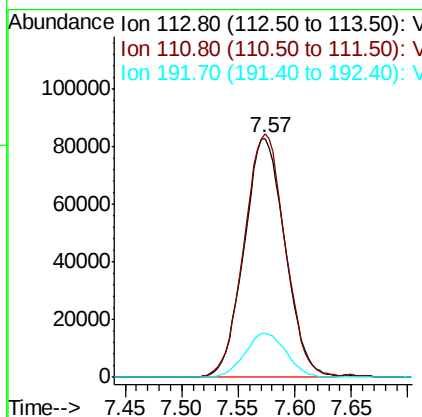
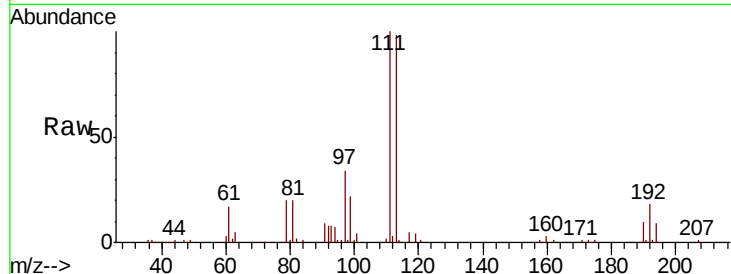
#35
Dibromofluoromethane
Concen: 52.120 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209452		
111	102.3	82.3	123.5	
192	18.6	15.0	22.6	

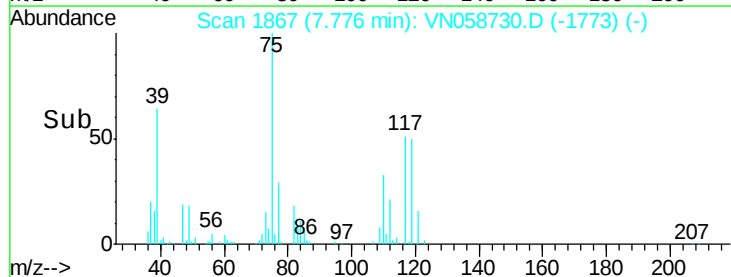
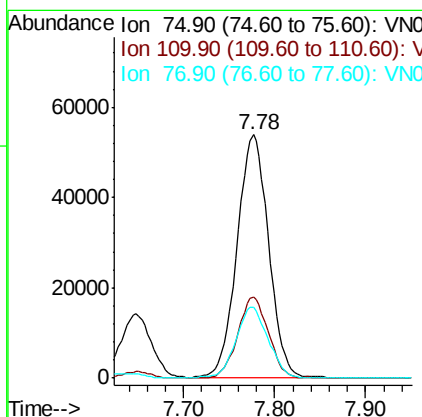
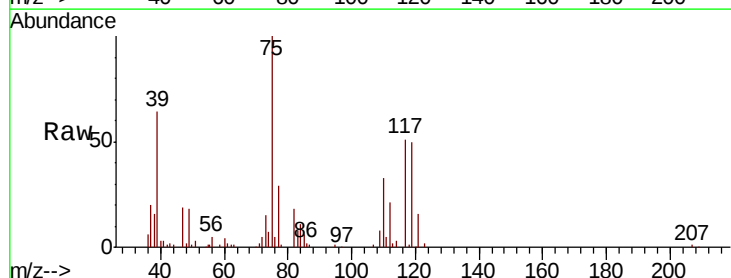
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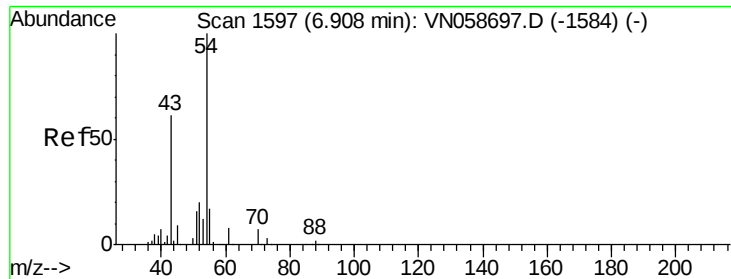
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#36
1,1-Dichloropropene
Concen: 19.843 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130527		
110	32.2	16.6	49.8	
77	29.6	24.6	37.0	





#37

Ethyl Acetate

Concen: 20.709 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

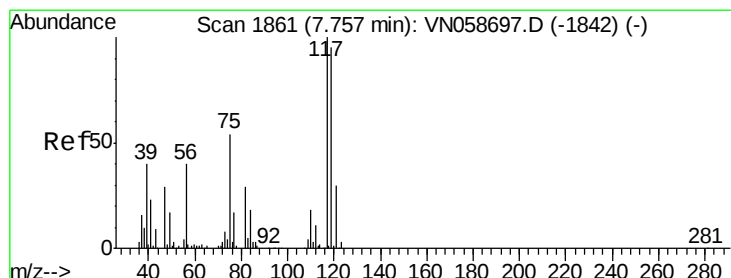
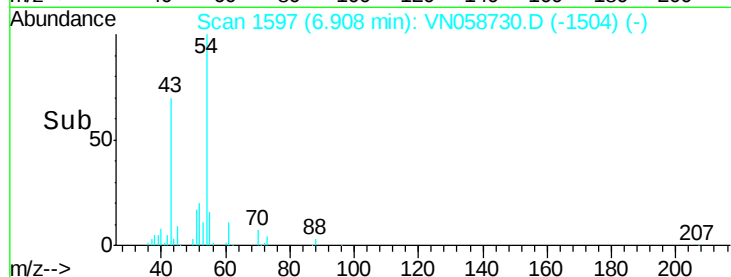
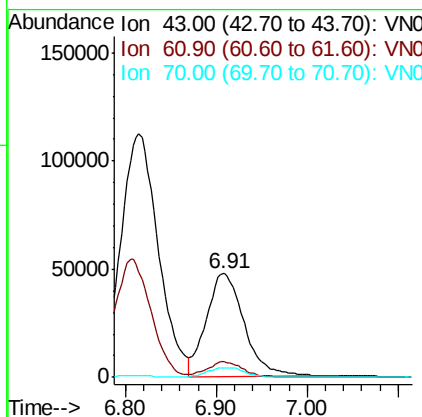
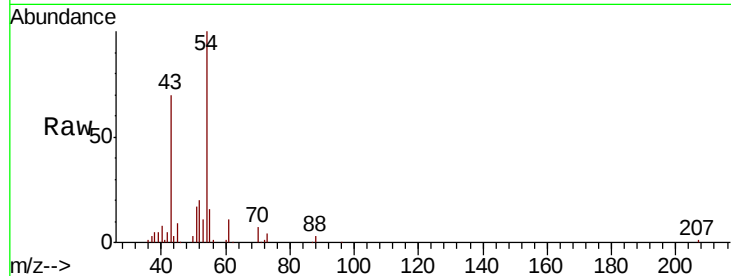
ClientSampleId :

VN1013WBSD02

Tot Ion:	43	Resp:	137771
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.3	16.9
70	9.6	7.2	10.8

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#38

Carbon Tetrachloride

Concen: 20.573 ug/l

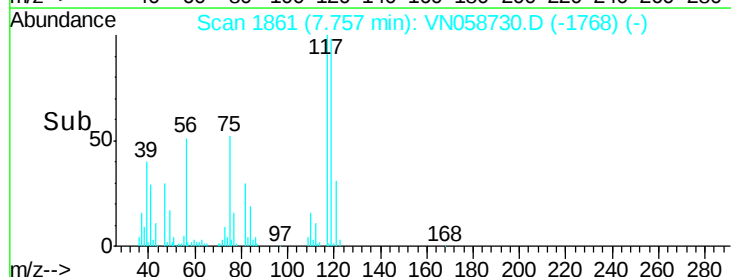
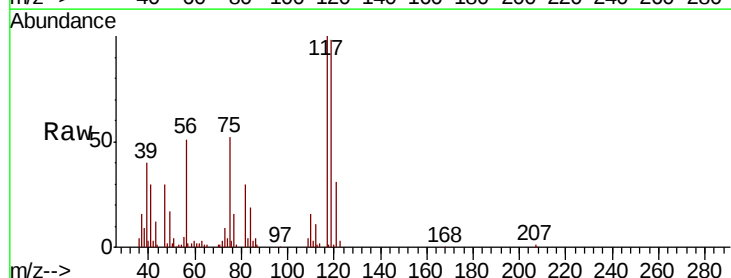
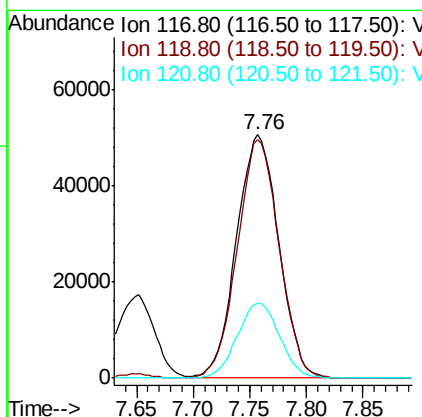
RT: 7.76 min Scan# 1861

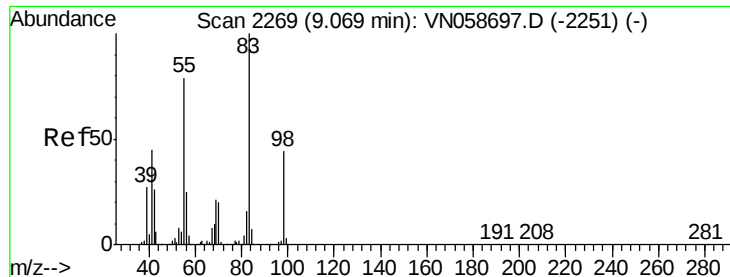
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	117	Resp:	131894
Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.7	113.5
121	30.6	23.9	35.9





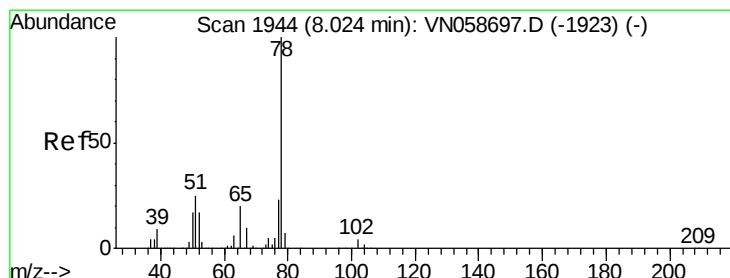
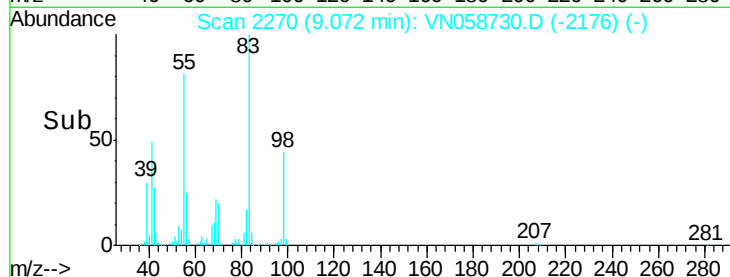
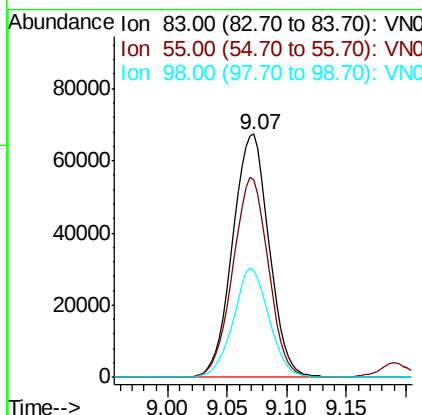
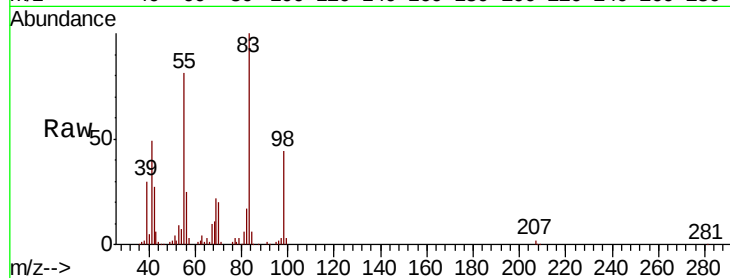
#39
Methvlcvclohexane
Concen: 18.738 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	63.4	95.0
98	43.6	35.1	52.7

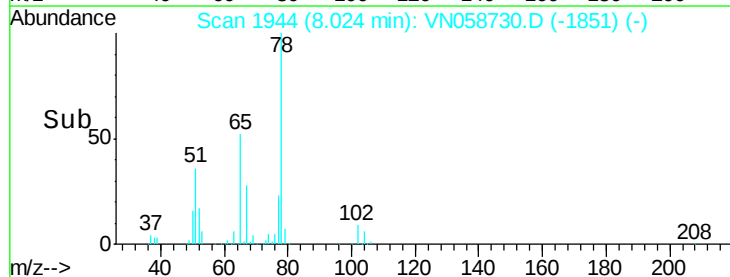
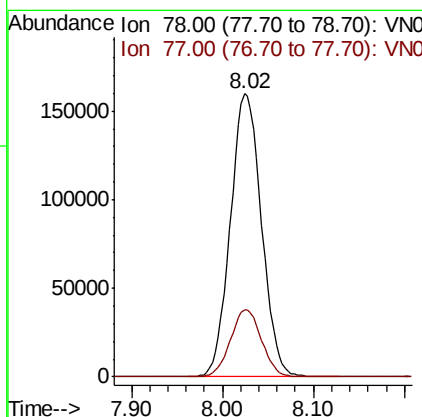
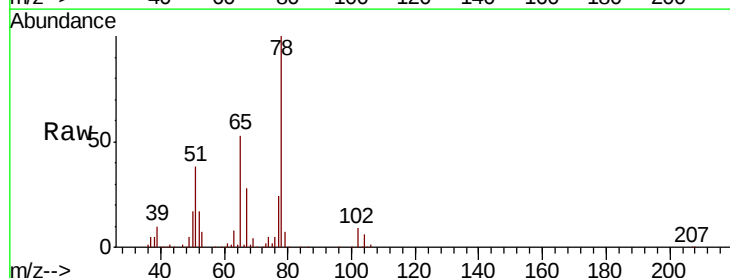
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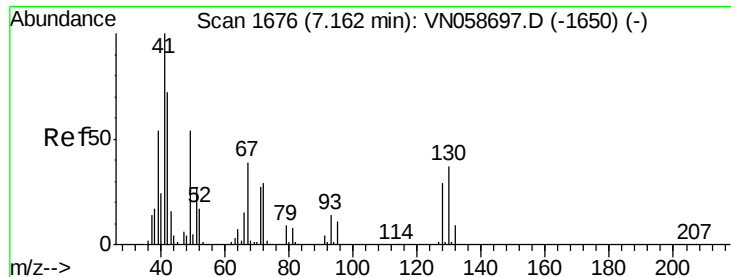
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#40
Benzene
Concen: 20.117 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





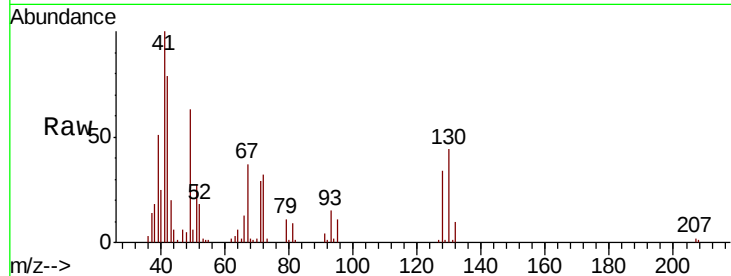
#41
Methacrylonitrile
Concen: 22.012 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

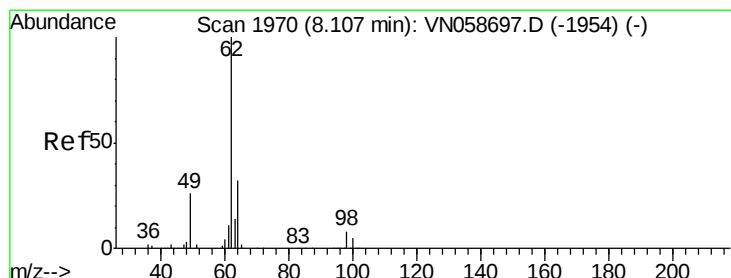
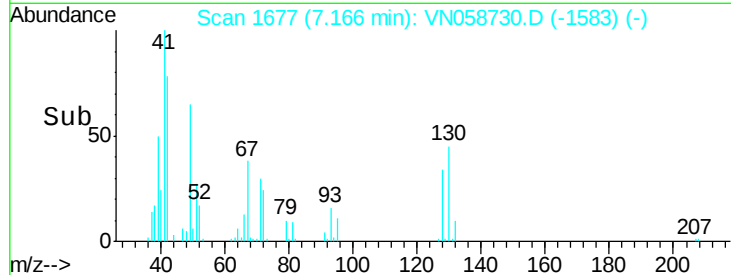
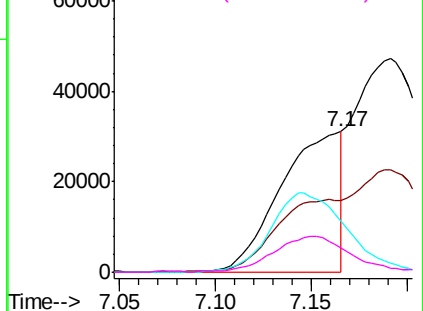
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	149.5	115.4	173.2	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

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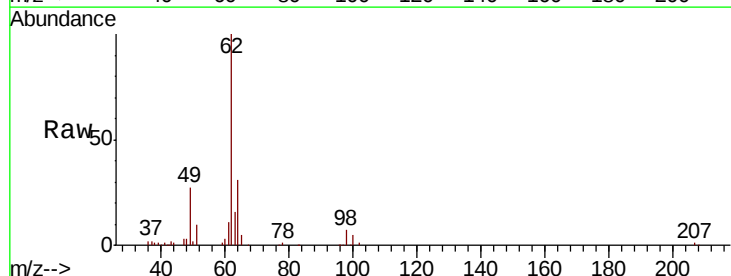


Abundance Ion 41.00 (40.70 to 41.70): VN058697.D (-1650) (-)

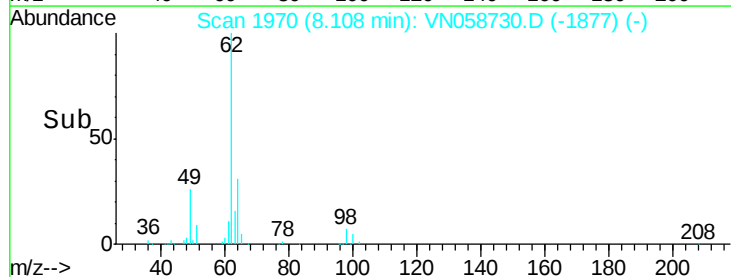
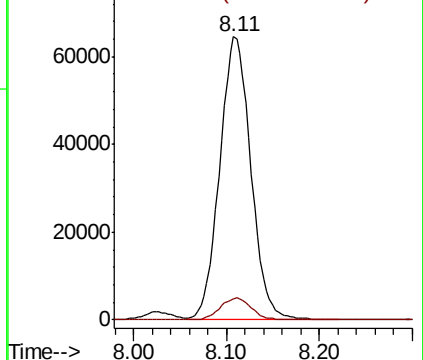


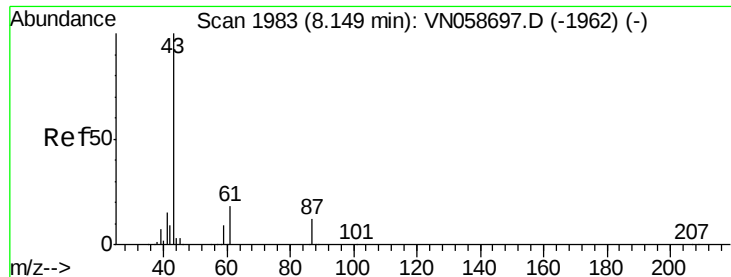
#42
1,2-Dichloroethane
Concen: 20.691 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	15.8	



Abundance Ion 61.90 (61.60 to 62.60): VN058697.D (-1954) (-)





#43

Isopropyl Acetate

Concen: 19.504 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

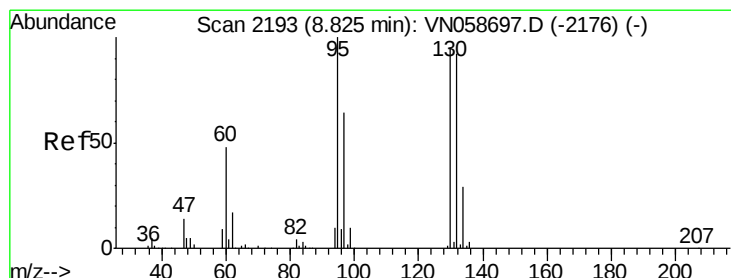
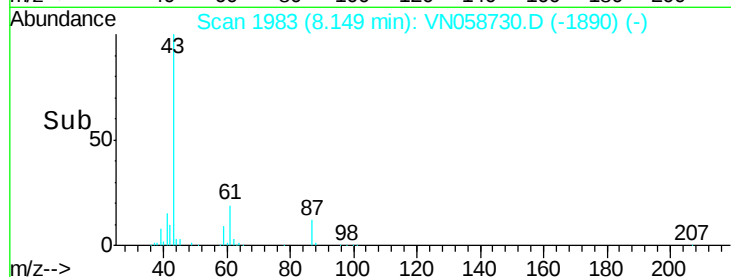
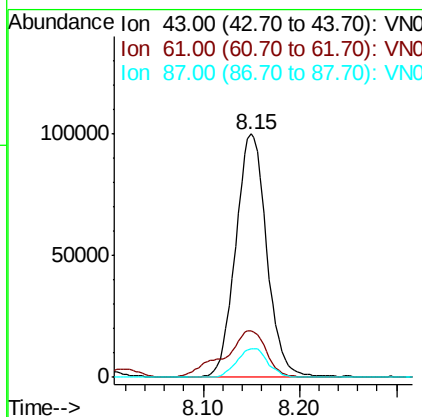
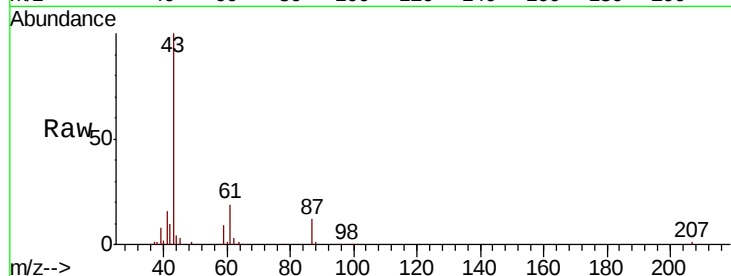
ClientSampleId :

VN1013WBSD02

Tot Ion:	43	Resp:	221041
Ion Ratio	Lower	Upper	
43	100		
61	26.2	20.3	30.5
87	11.9	9.8	14.6

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#44

Trichloroethene

Concen: 20.277 ug/l

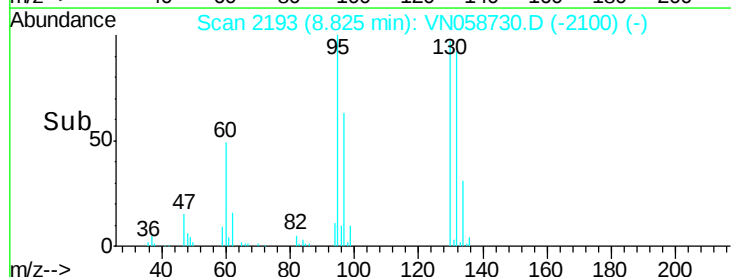
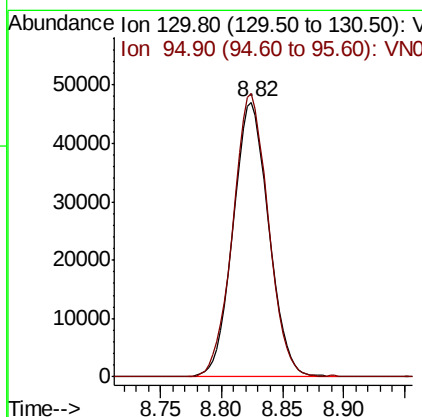
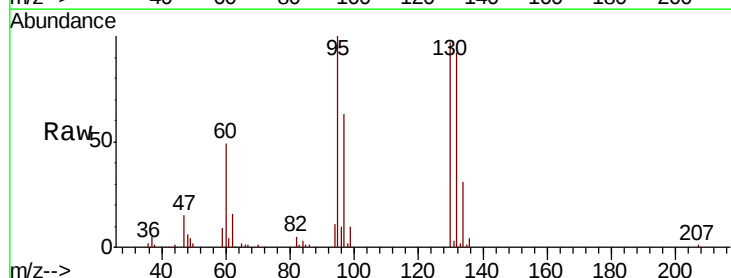
RT: 8.82 min Scan# 2193

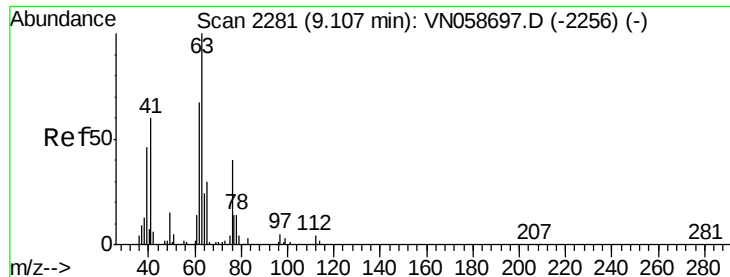
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	130	Resp:	95133
Ion Ratio	Lower	Upper	
130	100		
95	103.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.899 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 63 Resp: 105696

Ion Ratio Lower Upper

63 100

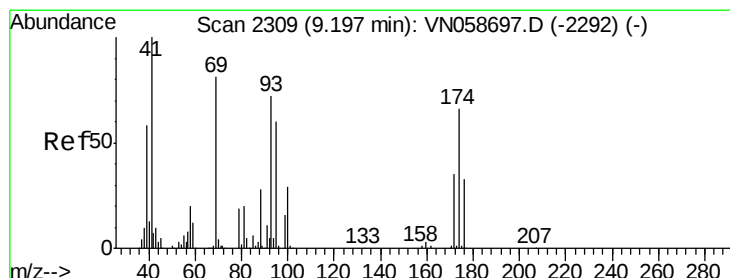
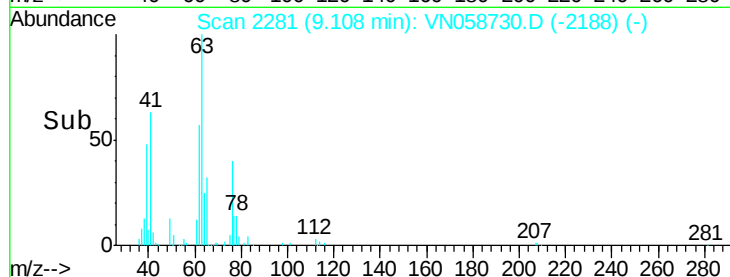
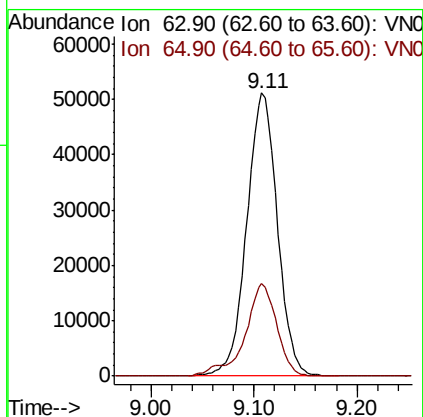
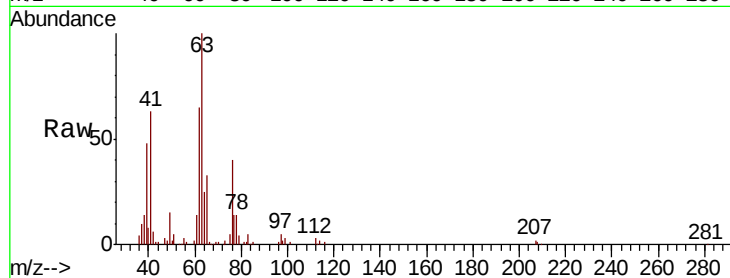
65 32.7 24.1 36.1

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#46

Dibromomethane

Concen: 20.699 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

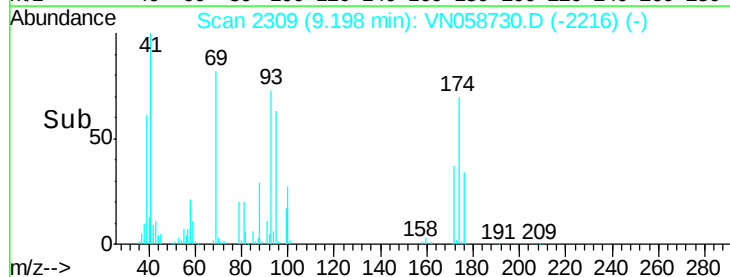
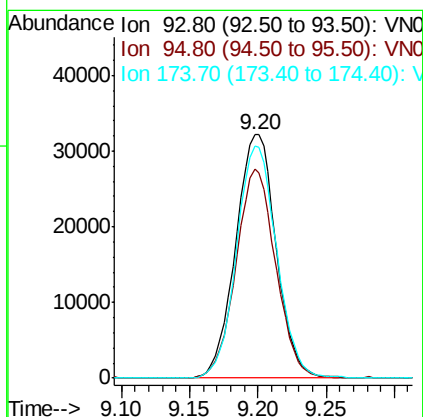
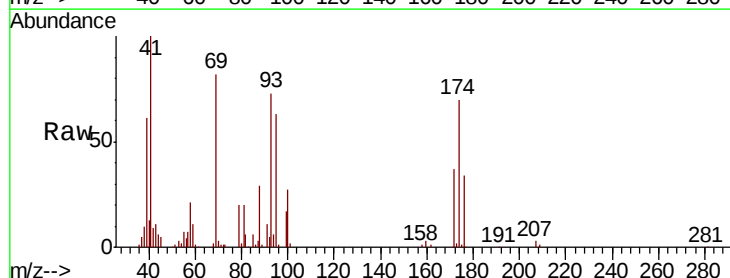
Tgt Ion: 93 Resp: 66372

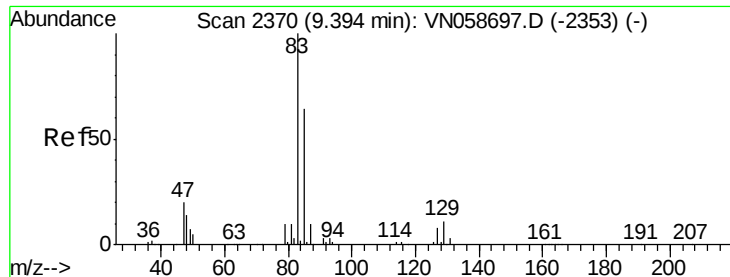
Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

174 94.1 75.2 112.8





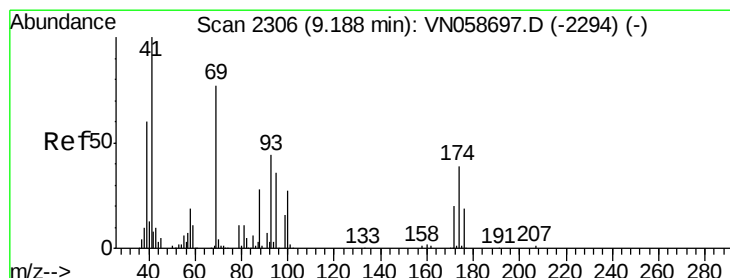
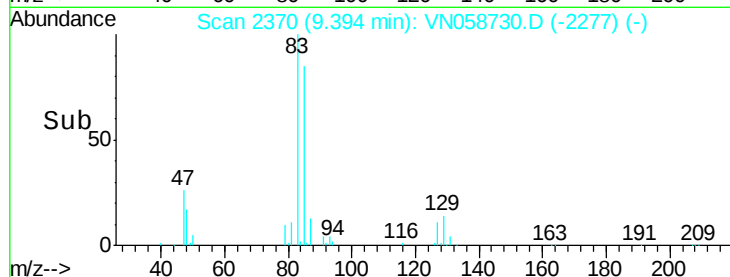
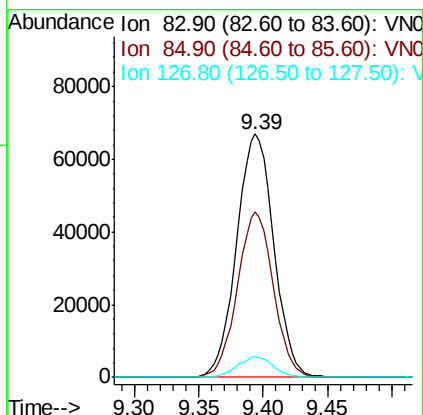
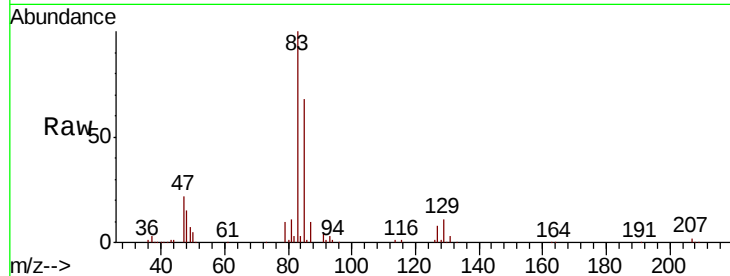
#47
Bromodichloromethane
Concen: 20.562 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
85	68.1	50.9	76.3
127	8.4	6.3	9.5

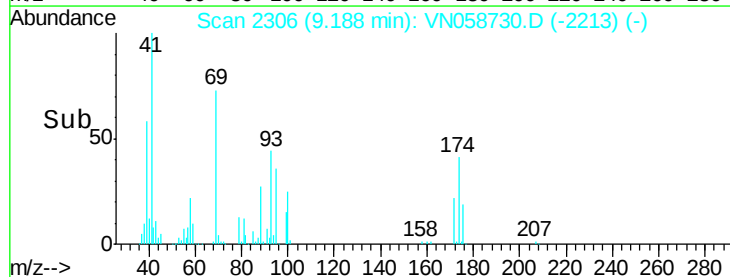
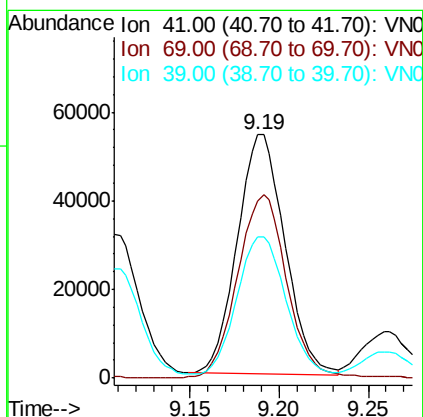
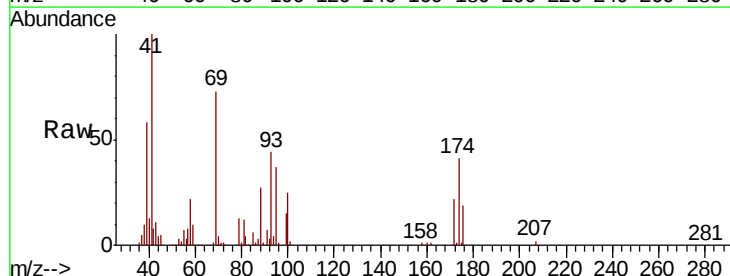
Manual Integrations
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#48
Methyl methacrylate
Concen: 19.533 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.4	95.2
39	62.1	48.9	73.3





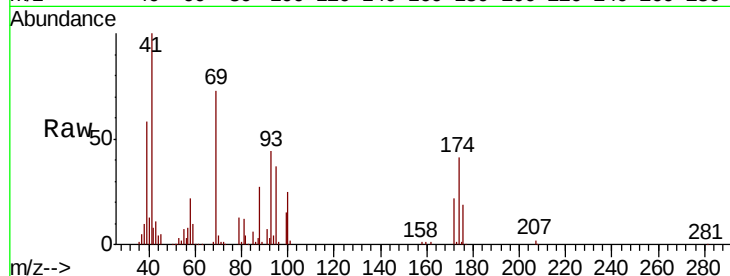
#49
1,4-Dioxane
Concen: 402.402 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

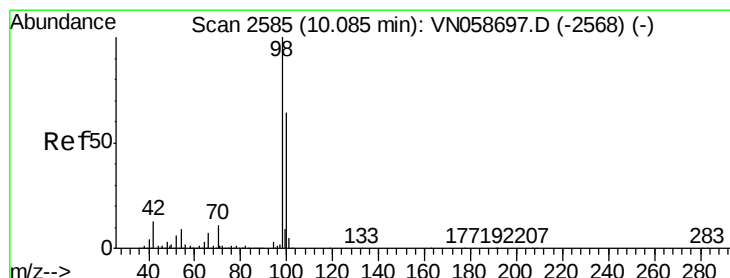
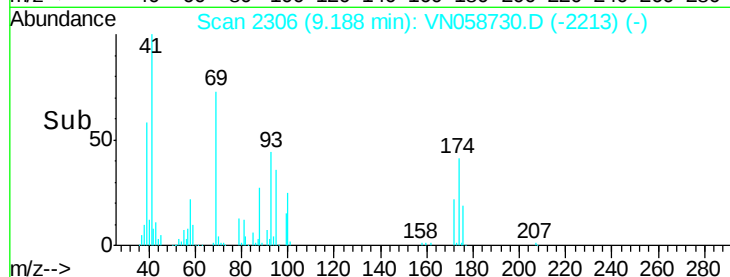
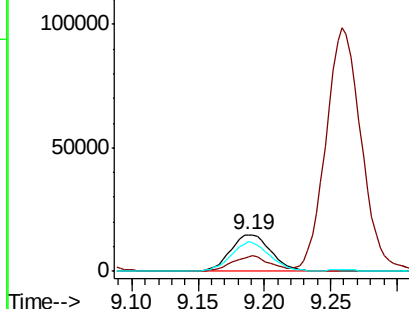
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	28.6	43.0
58	75.6	57.2	85.8

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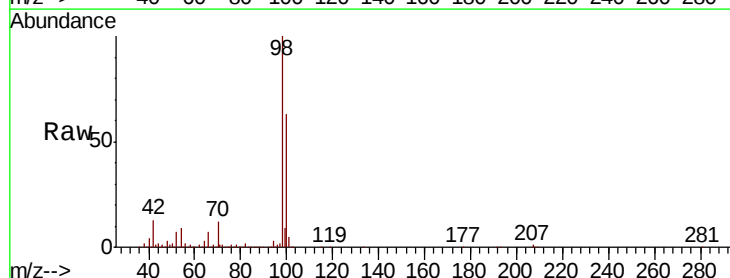


Abundance Ion 88.00 (87.70 to 88.70): VN058730.D (-2213) (-)
Ion 43.00 (42.70 to 43.70): VN058730.D (-2213) (-)
Ion 58.00 (57.70 to 58.70): VN058730.D (-2213) (-)

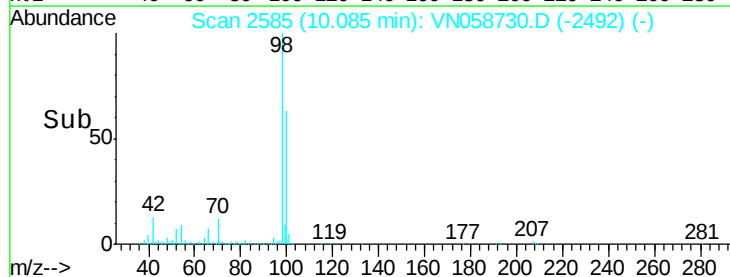
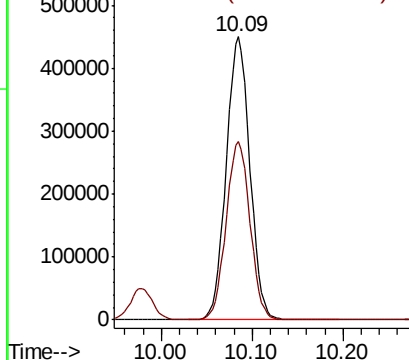


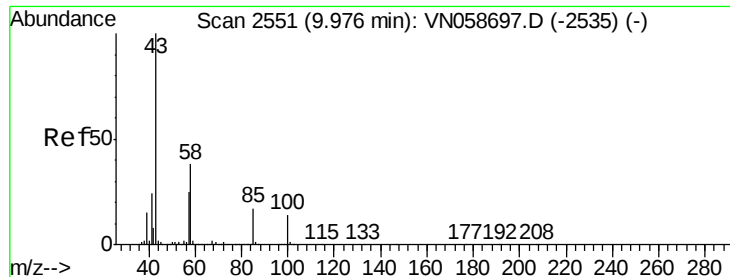
#50
Toluene-d8
Concen: 50.459 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058730.D (-2492) (-)
Ion 100.00 (99.70 to 100.70): VN058730.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 106.677 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 43 Resp: 678981

Ion Ratio Lower Upper

43 100

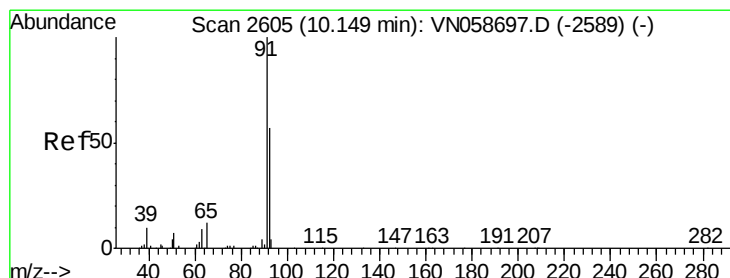
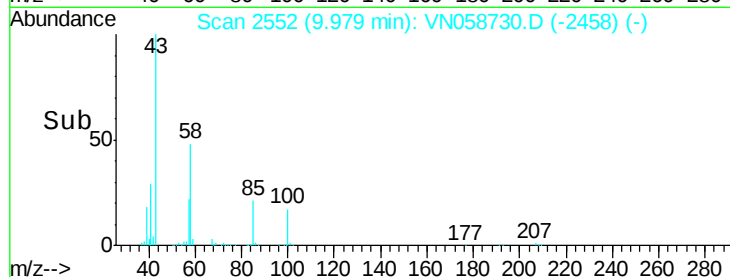
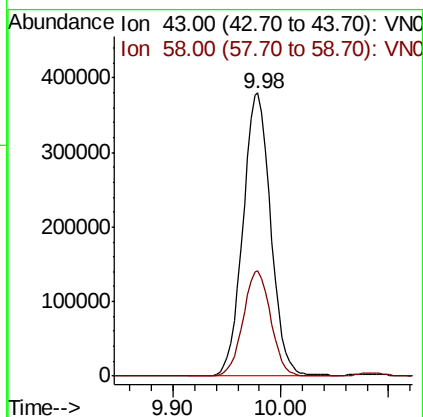
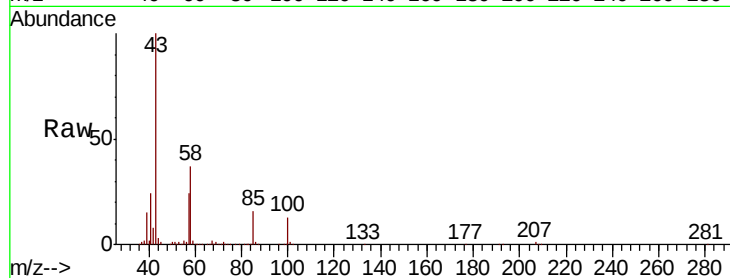
58 37.2 30.3 45.5

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#52

Toluene

Concen: 20.171 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058730.D

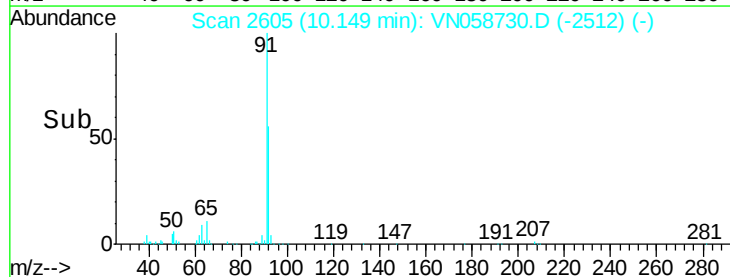
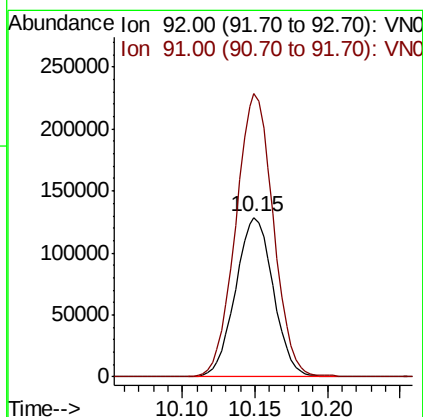
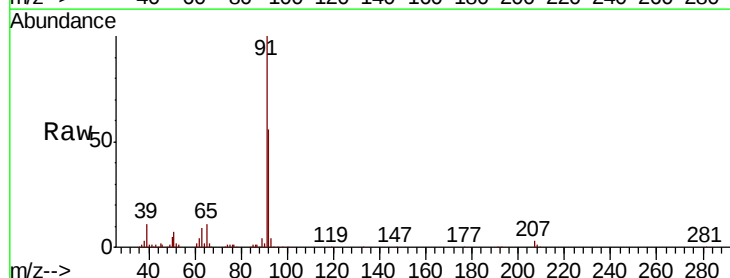
Acq: 12 Oct 2019 2:39

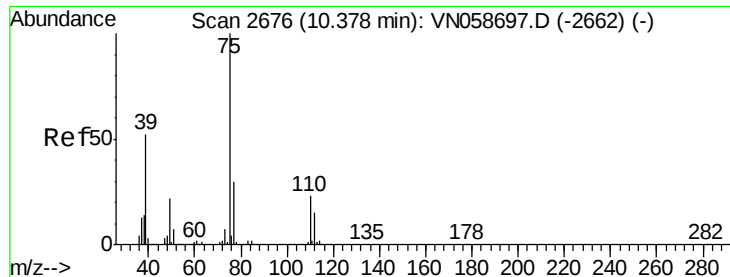
Tgt Ion: 92 Resp: 233073

Ion Ratio Lower Upper

92 100

91 176.7 139.1 208.7





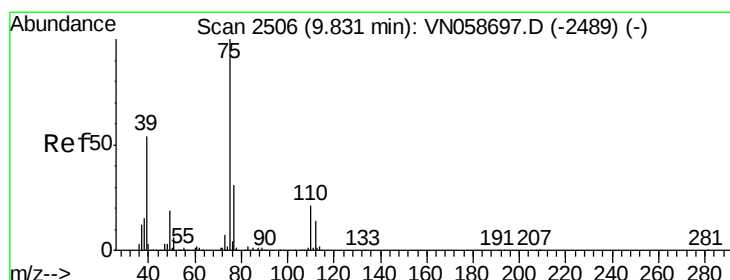
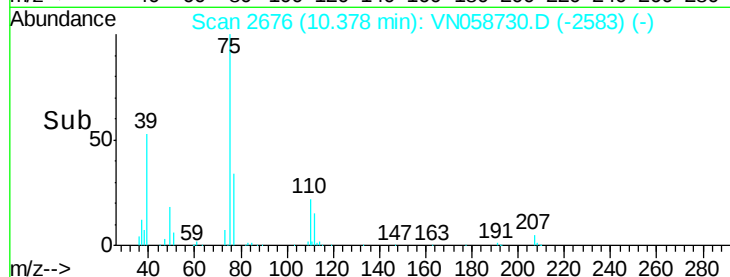
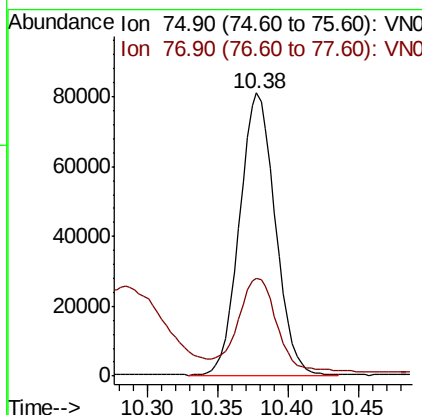
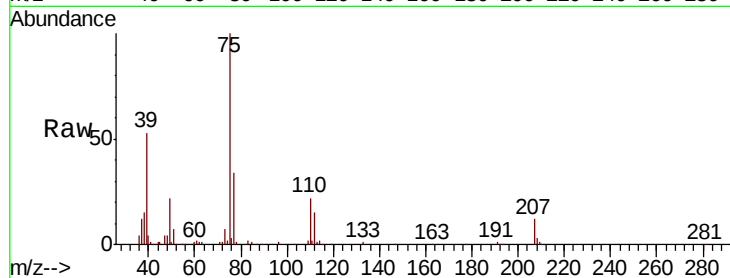
#53
t-1,3-Dichloropropene
Concen: 19.091 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion: 75 Resp: 142974
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.4

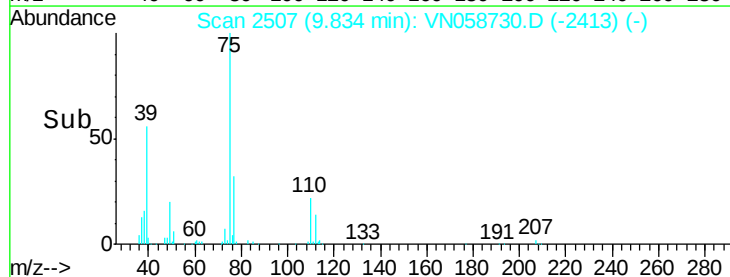
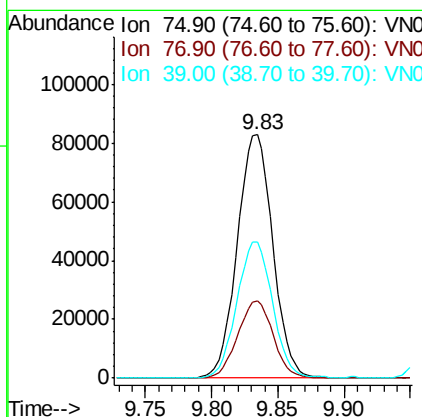
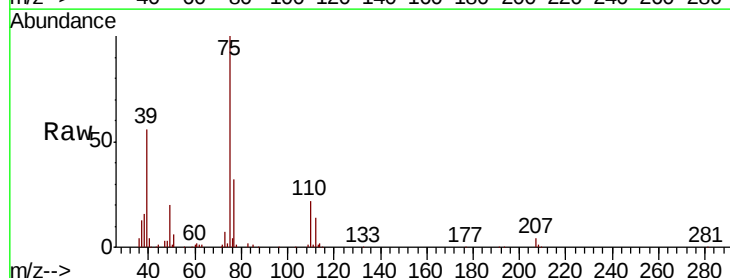
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#54
cis-1,3-Dichloropropene
Concen: 19.428 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion: 75 Resp: 154482
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6
39 55.7 43.1 64.7





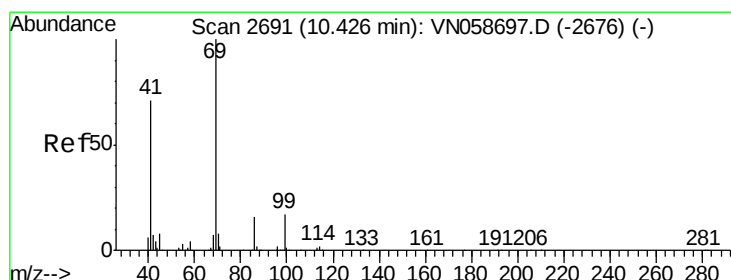
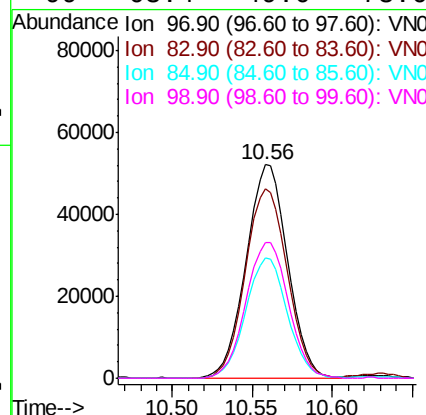
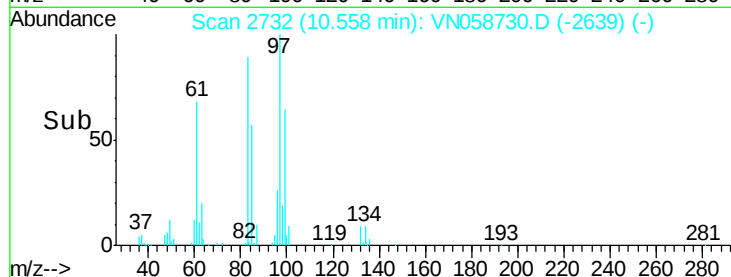
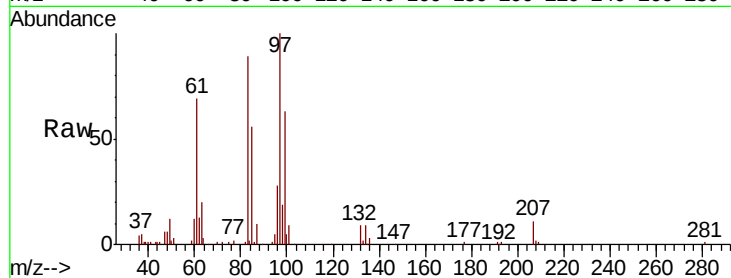
#55
 1,1,2-Trichloroethane
 Concen: 19.591 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion:	97	Resp:	92655
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.2	106.8
85	56.4	46.7	70.1
99	63.4	49.0	73.6

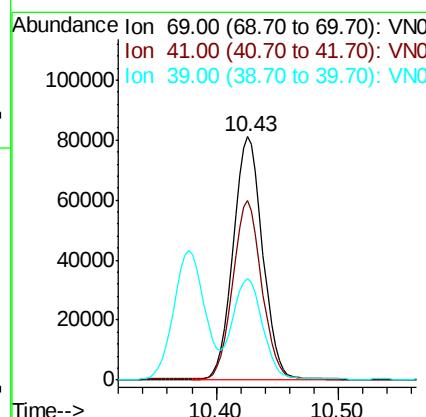
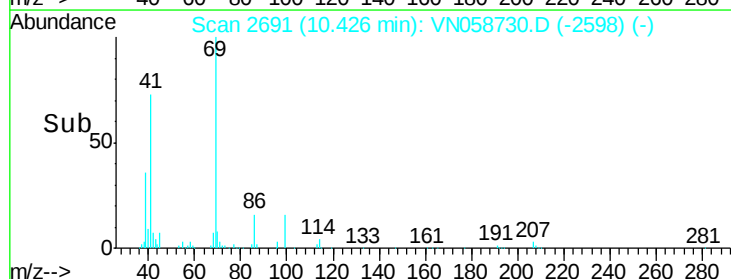
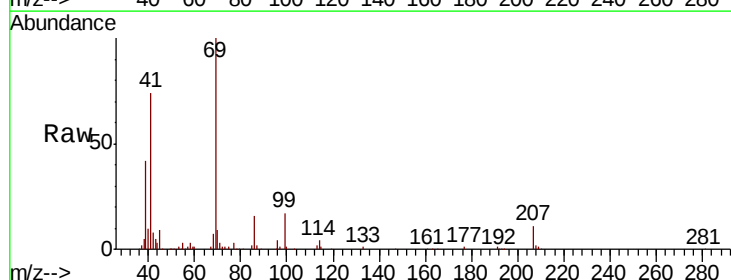
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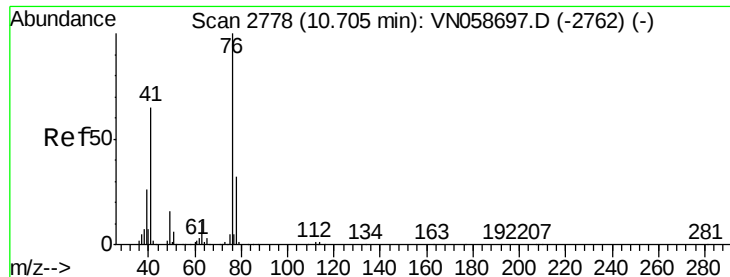
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 10/16/2019 12:49:00 AM



#56
 Ethyl methacrylate
 Concen: 19.841 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion:	69	Resp:	137084
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.8	85.2
39	41.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.275 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 76 Resp: 163397

Ion Ratio Lower Upper

76 100

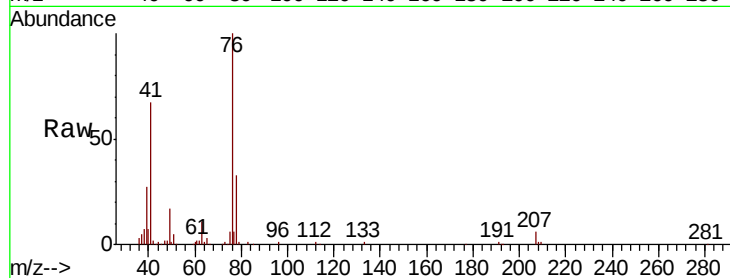
78 32.8 25.9 38.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

100000

80000

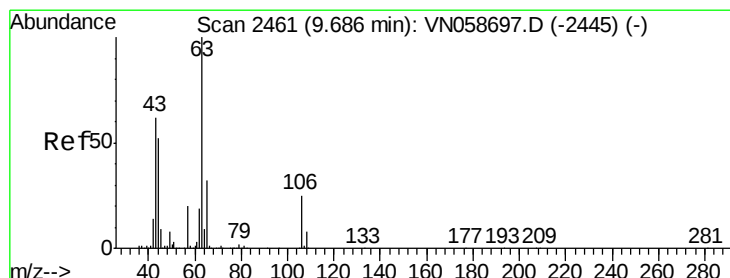
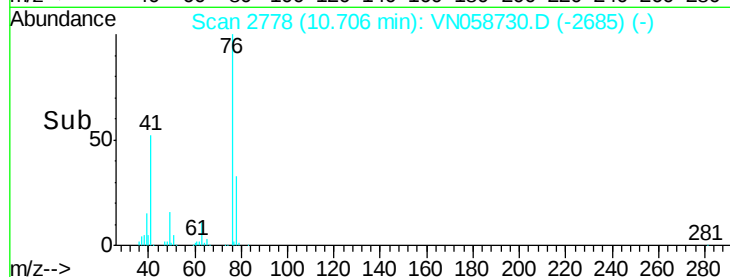
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 101.077 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058730.D

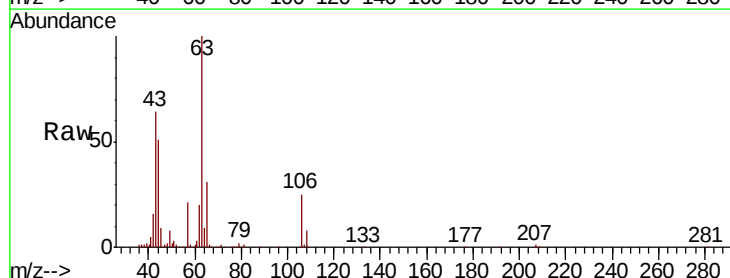
Acq: 12 Oct 2019 2:39

Tgt Ion: 63 Resp: 336557

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

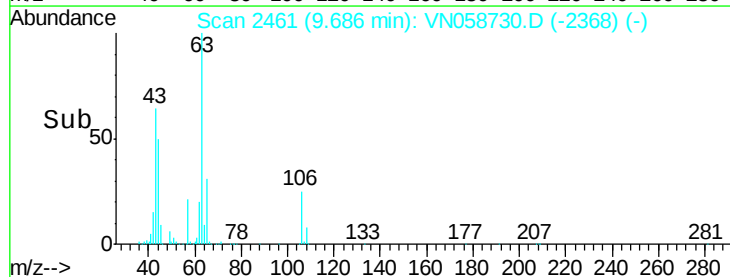
150000

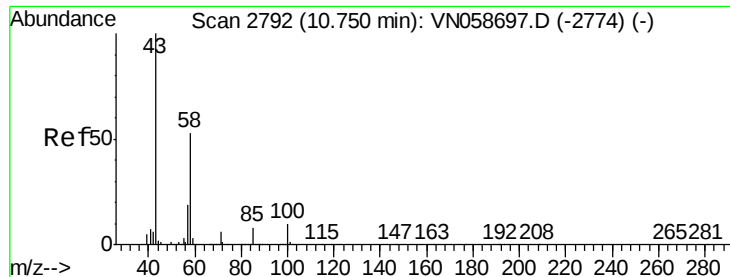
100000

50000

0

Time--> 9.60 9.70 9.80





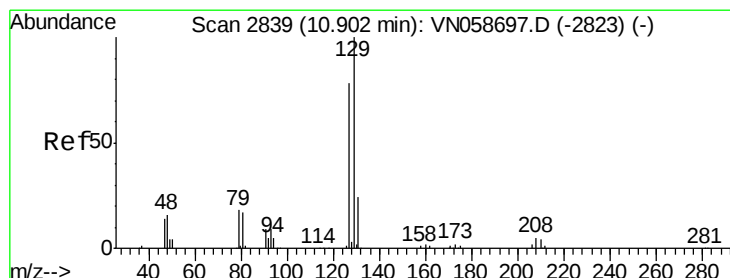
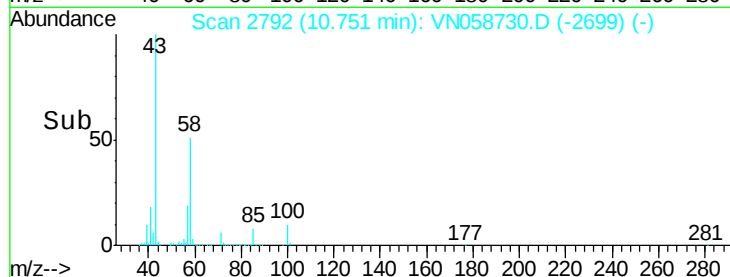
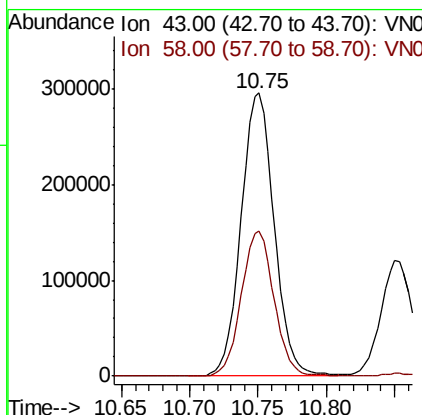
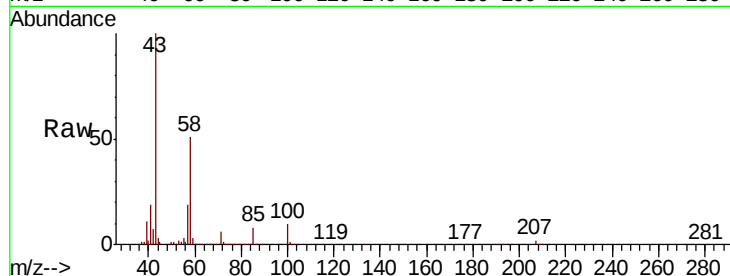
#59
2-Hexanone
Concen: 100.910 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.1	78.3

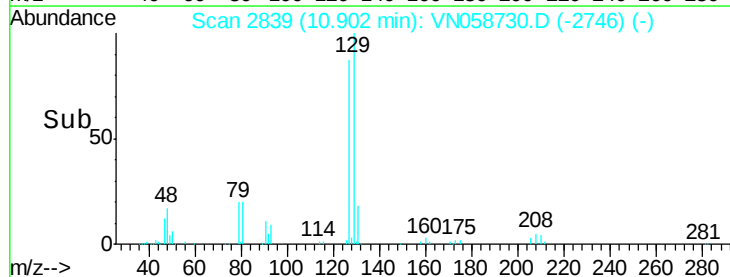
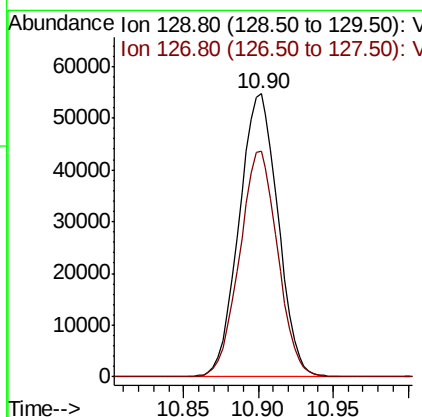
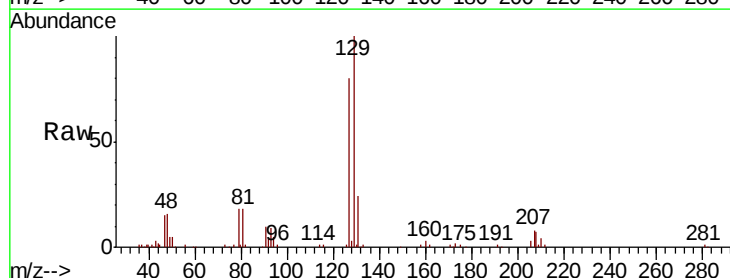
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.325 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.3





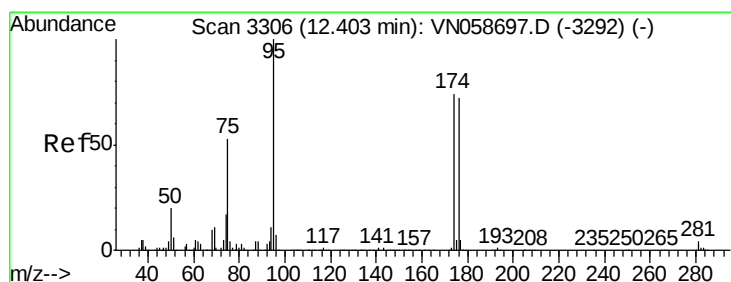
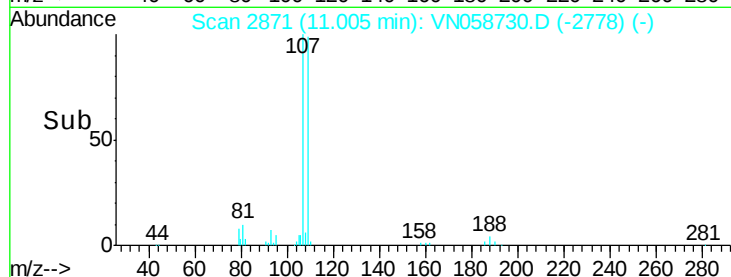
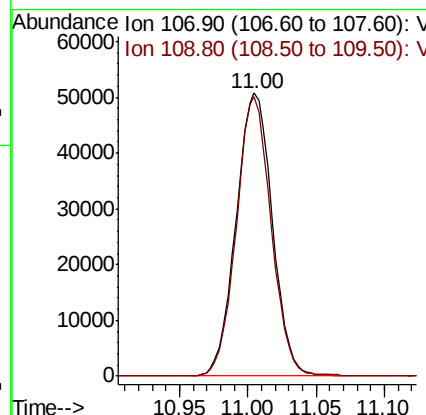
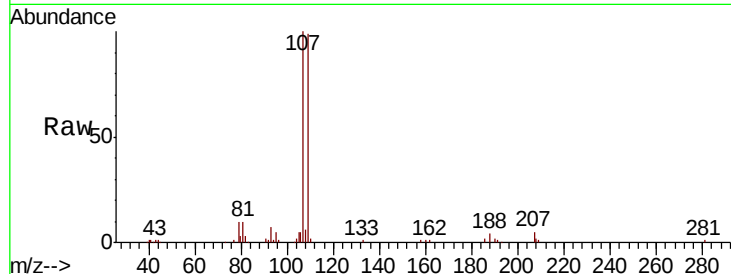
#61
1,2-Dibromoethane
Concen: 19.730 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.0

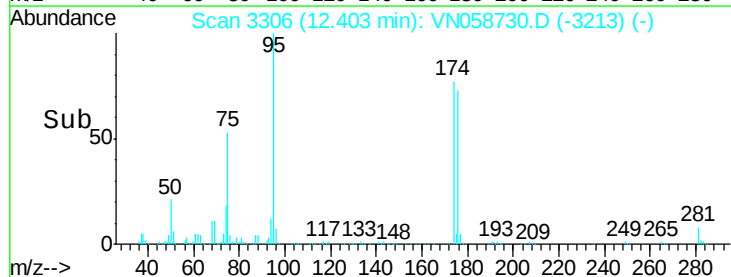
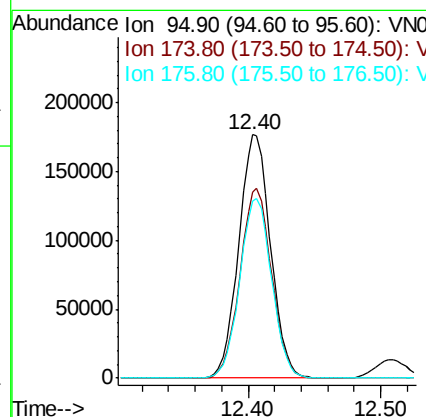
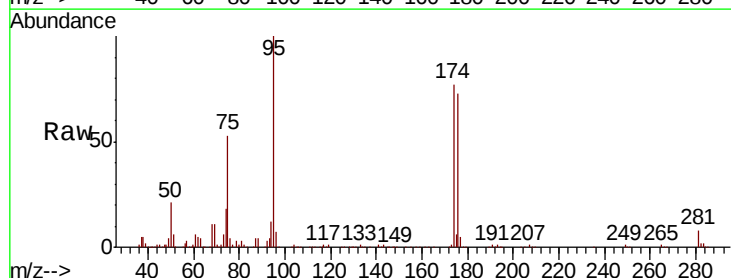
Manual Integrations
APPROVED

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10/16/2019 12:49:00 AM



#62
4-Bromofluorobenzene
Concen: 48.276 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	150.4
176	74.0	0.0	146.8





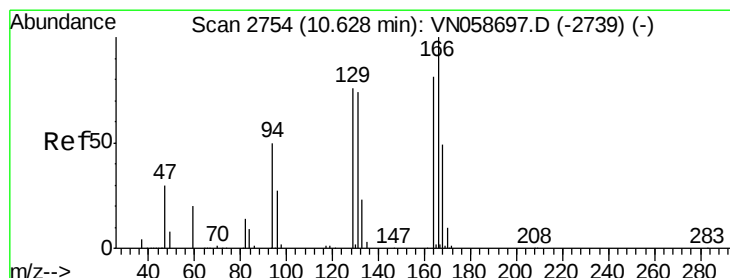
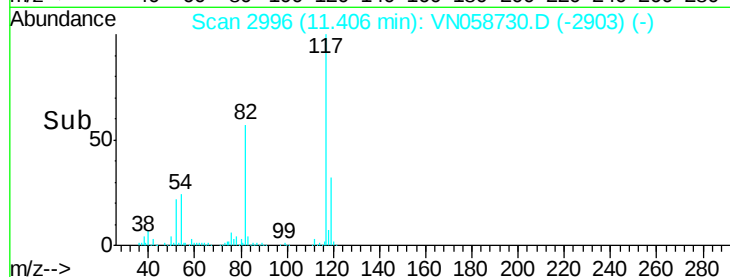
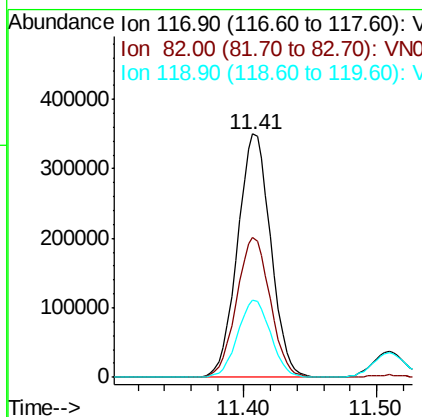
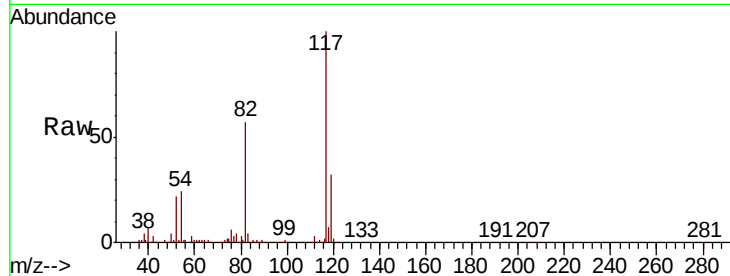
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	607397		
82	57.4		47.0	70.4
119	31.6		25.4	38.2

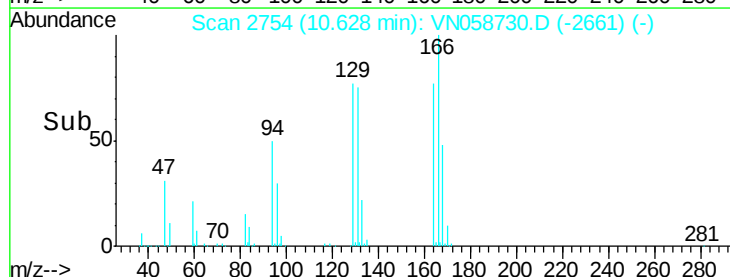
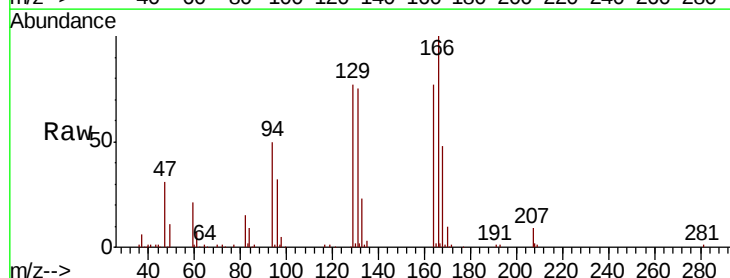
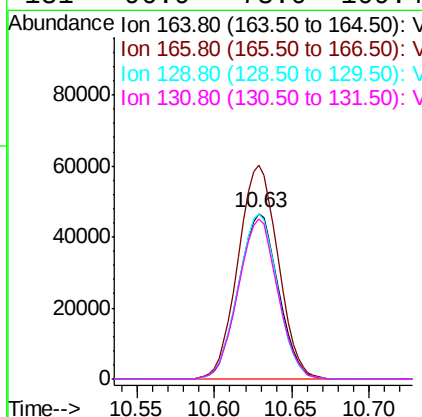
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.732 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83875		
166	129.3		99.3	148.9
129	99.6		75.2	112.8
131	96.9		73.0	109.4





#65

Chlorobenzene

Concen: 20.079 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion:112 Resp: 247668

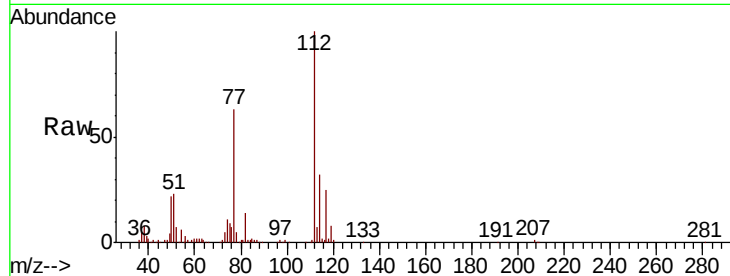
Ion Ratio Lower Upper

112 100

114 32.3 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

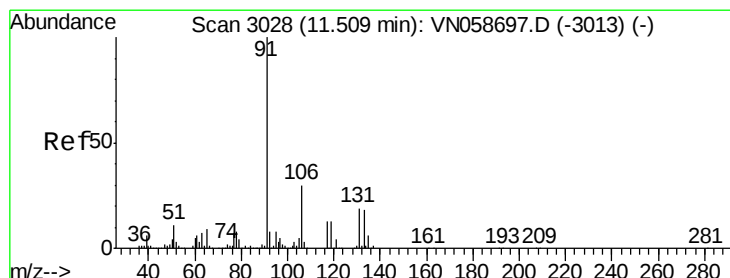
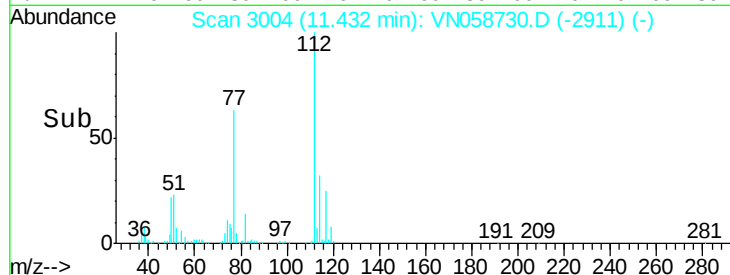
150000

100000

50000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 20.352 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

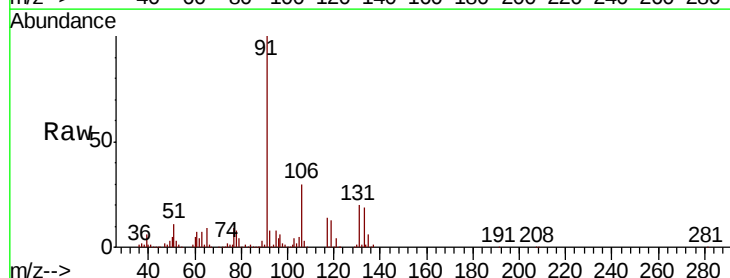
Tgt Ion:131 Resp: 92828

Ion Ratio Lower Upper

131 100

133 96.4 47.6 142.9

119 66.5 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

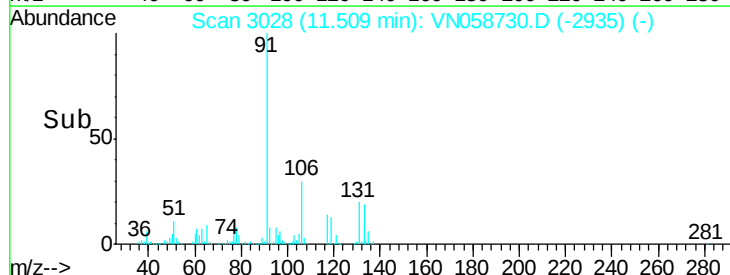
60000

40000

20000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 20.353 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 91 Resp: 447526

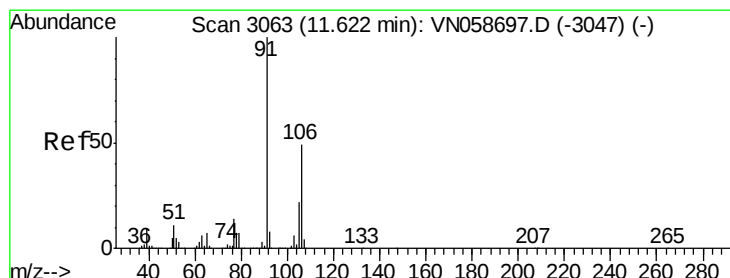
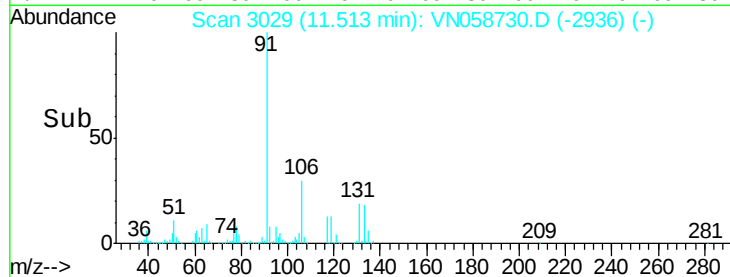
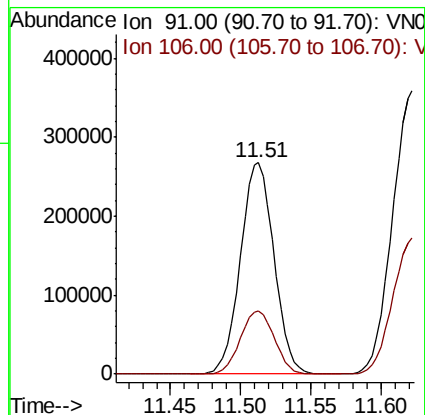
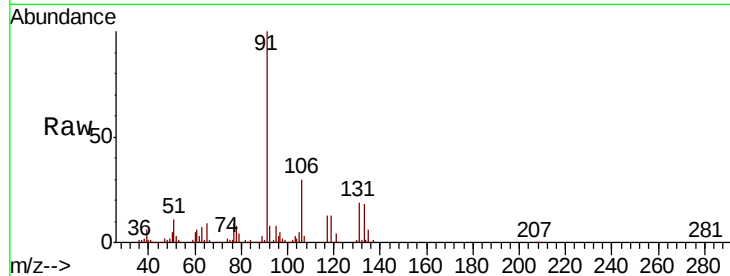
Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1

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#68

m/p-Xylenes

Concen: 39.980 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058730.D

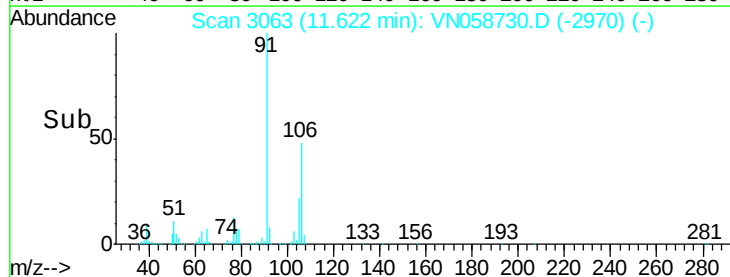
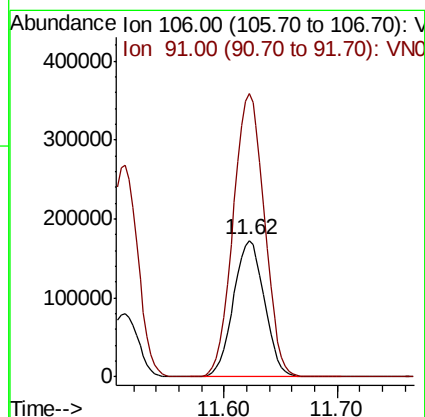
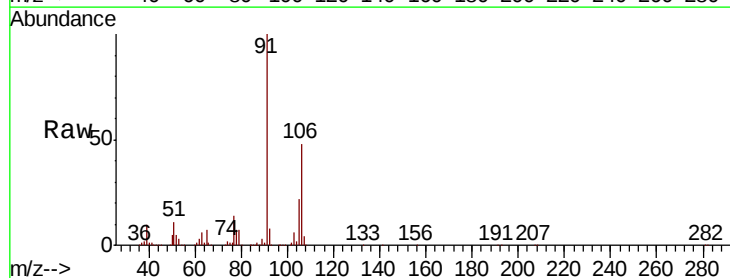
Acq: 12 Oct 2019 2:39

Tgt Ion: 106 Resp: 329896

Ion Ratio Lower Upper

106 100

91 209.0 165.7 248.5





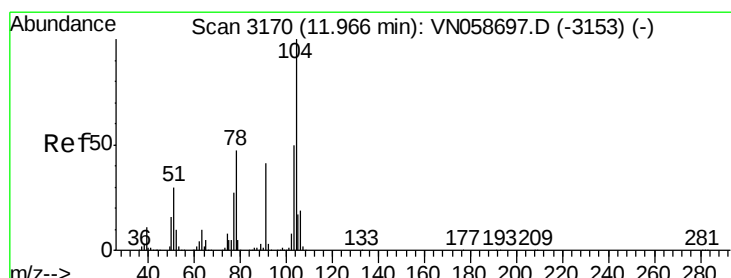
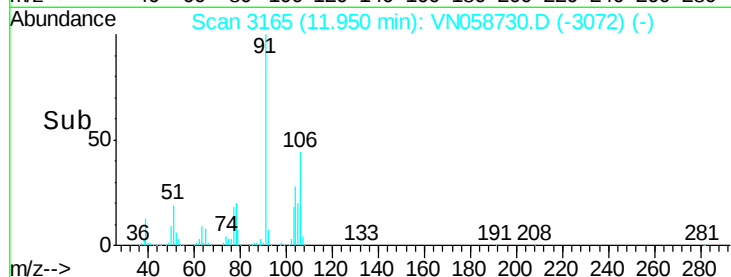
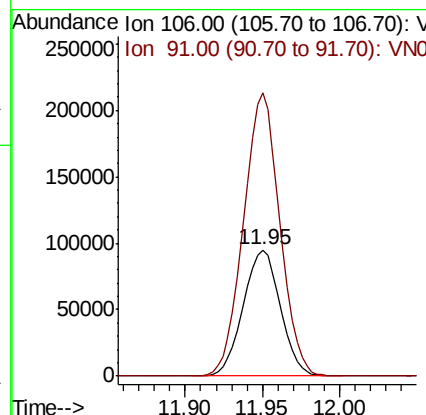
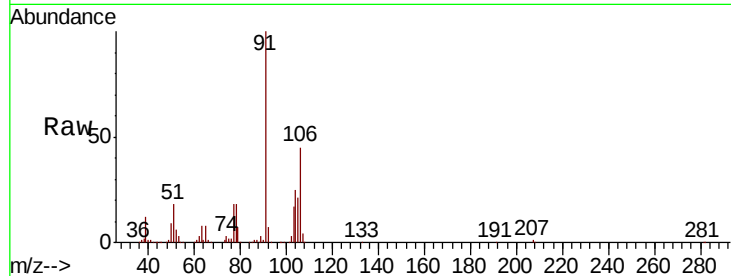
#69
o-Xylene
Concen: 19.840 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	158390		
91	91	219.9	110.9	332.9	

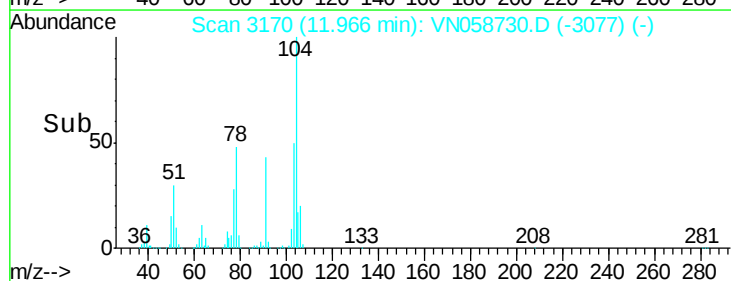
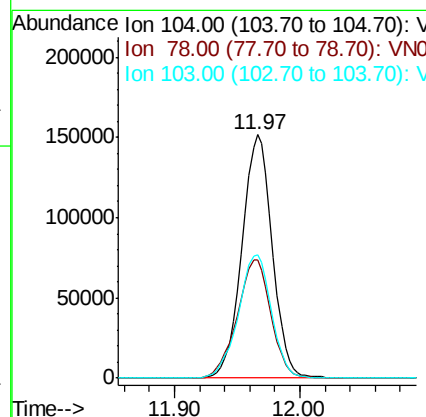
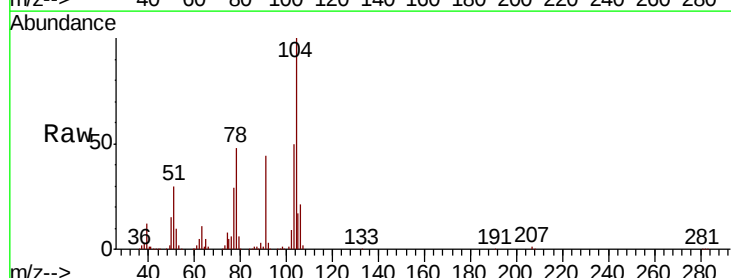
Manual Integrations
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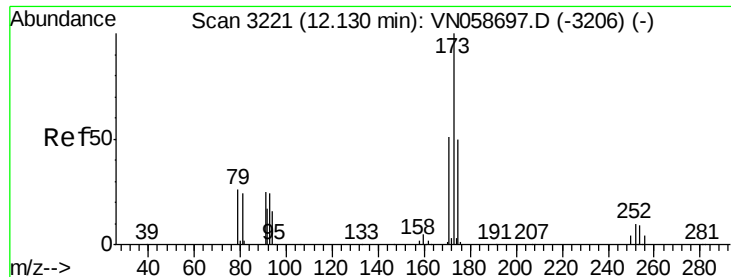
MMDadoda
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#70
Styrene
Concen: 19.499 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	255140		
78	78	54.1	42.2	63.2	
103	103	55.2	43.7	65.5	





#71

Bromoform

Concen: 19.671 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

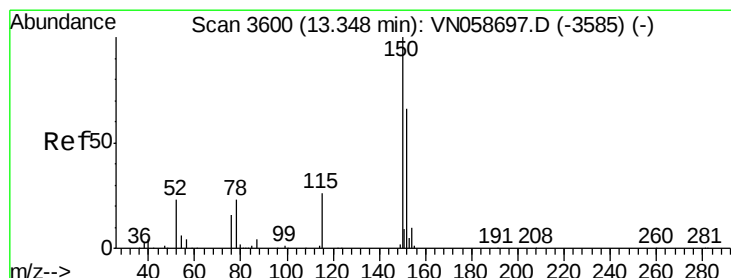
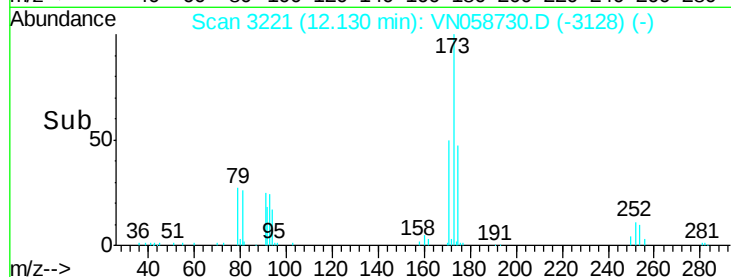
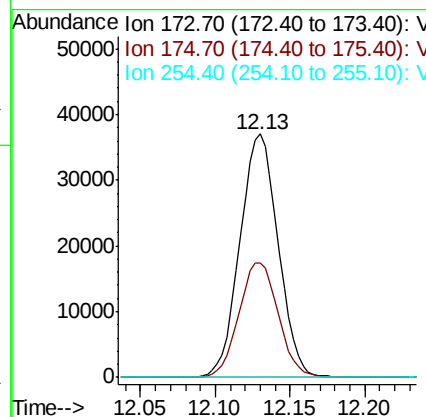
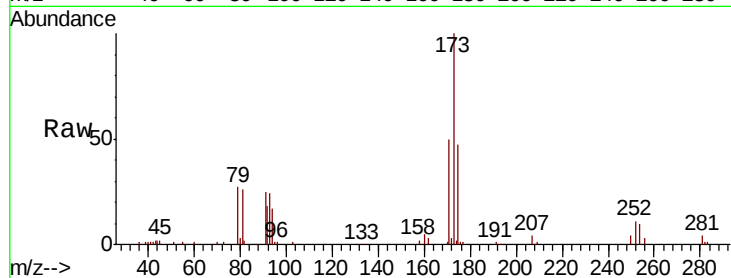
ClientSampleId :

VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

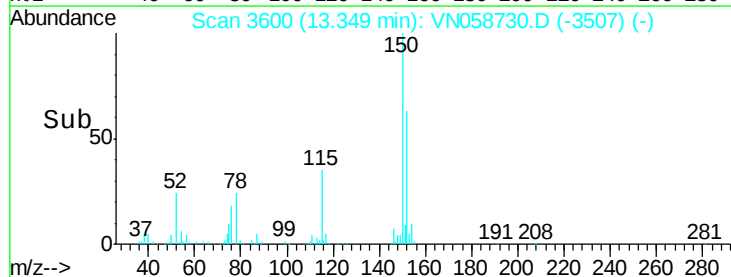
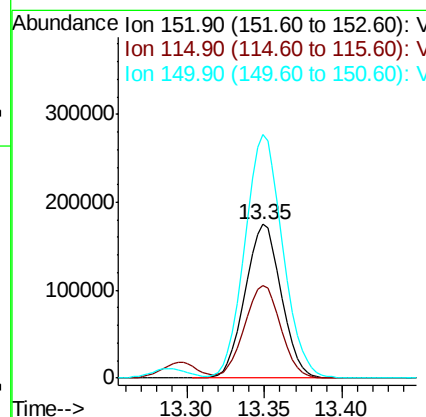
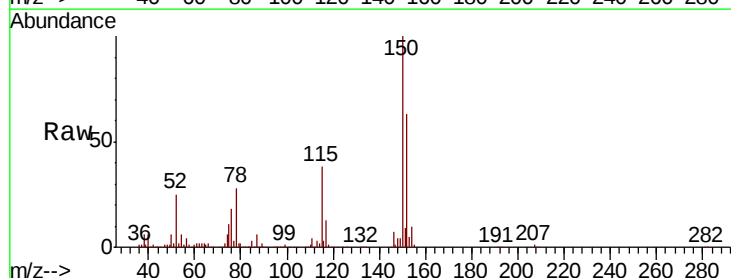
RT: 13.35 min Scan# 3600

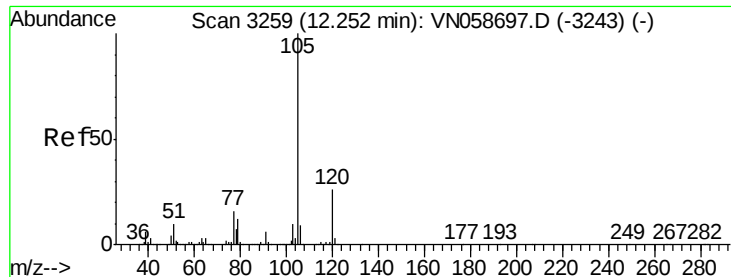
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.4	91.2
150	165.3	0.0	345.4





#73

Isopropylbenzene

Concen: 20.681 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD02

Tot Ion: 105 Resp: 427134

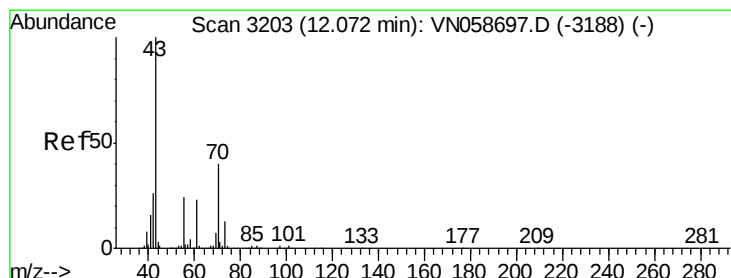
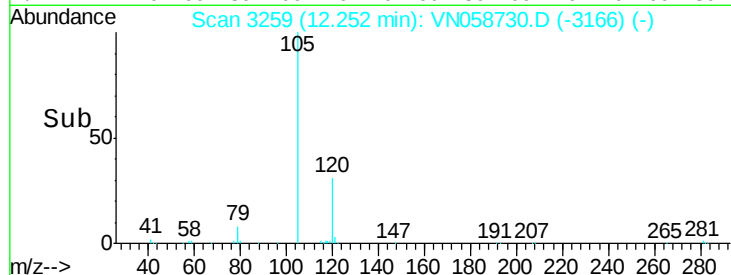
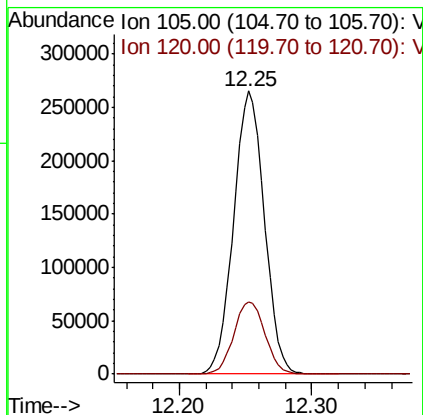
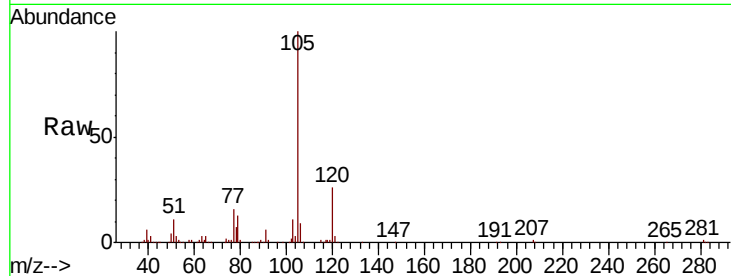
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 20.170 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion: 43 Resp: 187097

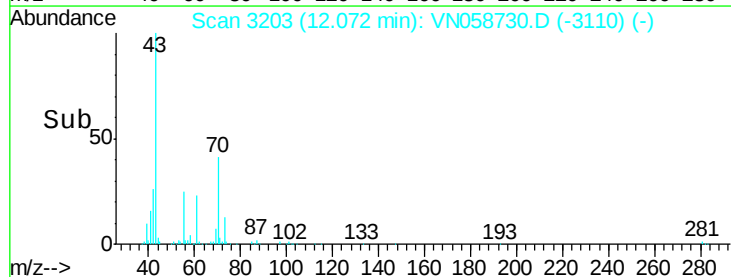
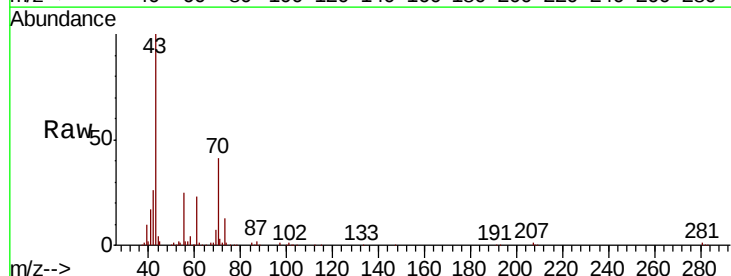
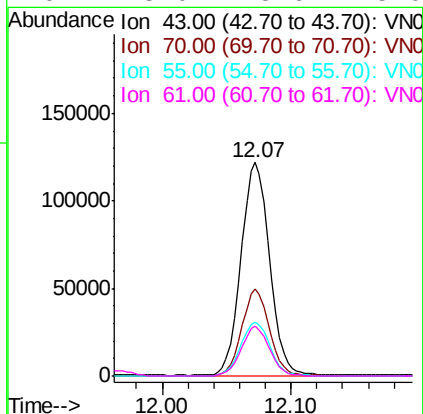
Ion Ratio Lower Upper

43 100

70 39.9 32.2 48.4

55 26.0 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.502 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

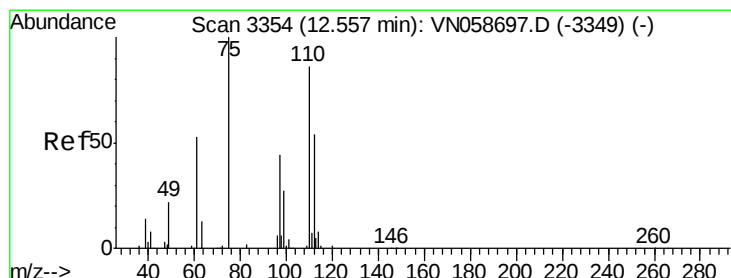
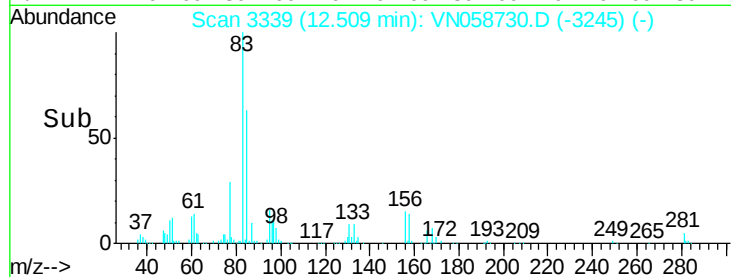
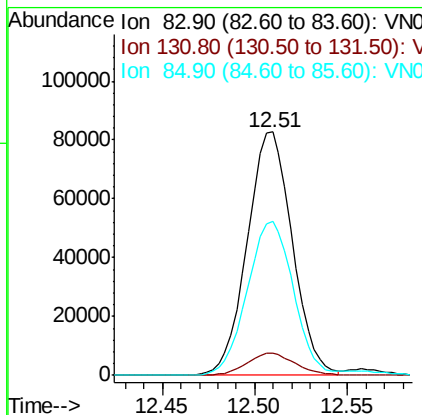
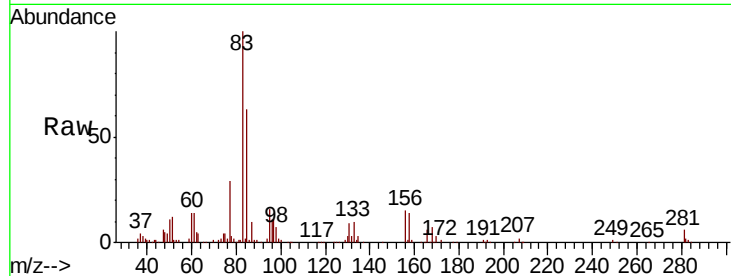
ClientSampleId :

VN1013WBSD02

Tot Ion:	83	Resp:	139493
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.4
85	65.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 21.731 ug/l m

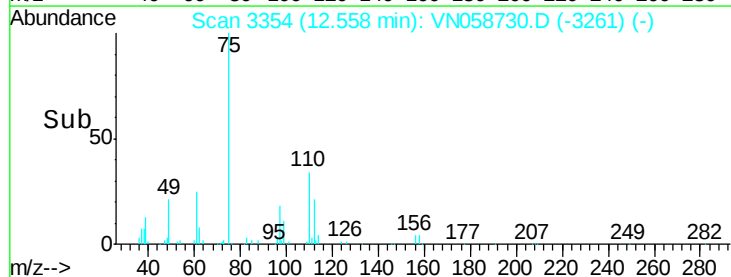
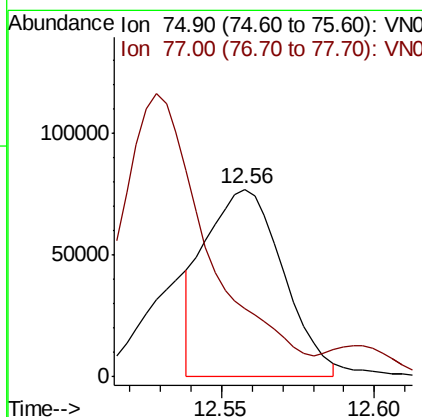
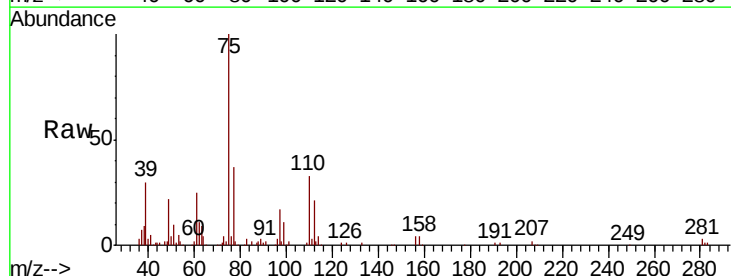
RT: 12.56 min Scan# 3354

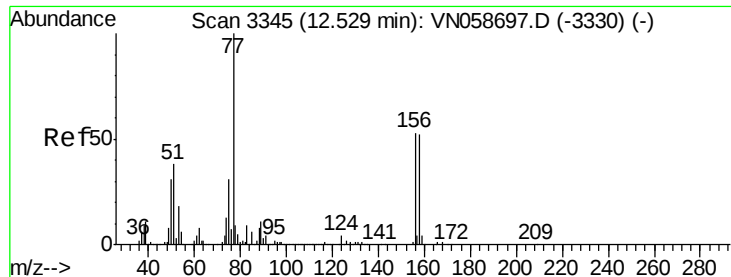
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	75	Resp:	135951
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.428 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

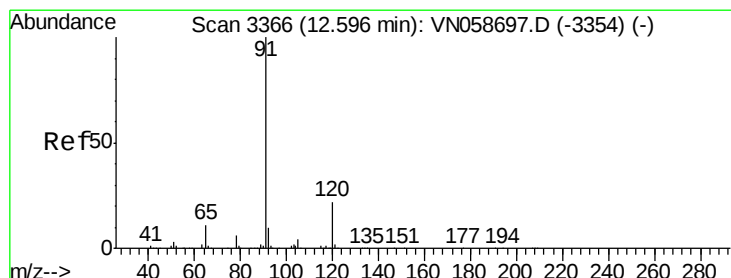
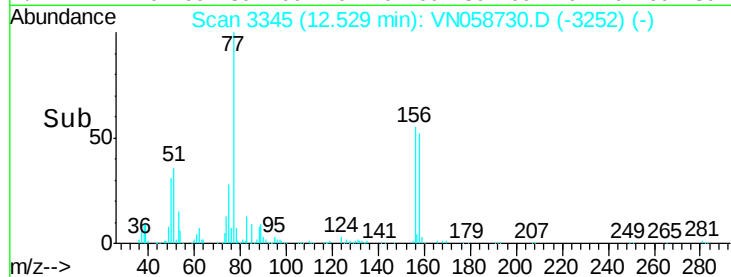
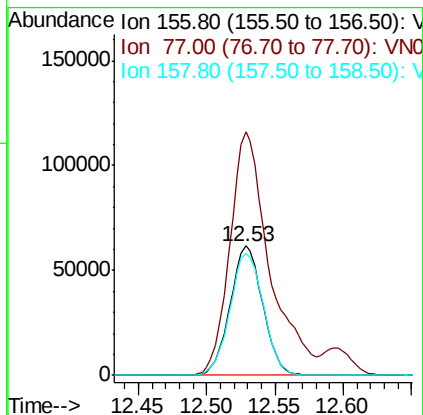
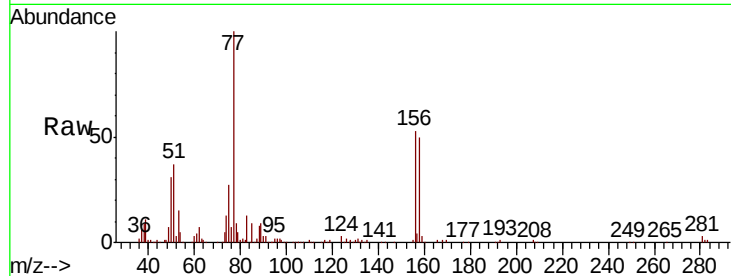
ClientSampleId :

VN1013WBSD02

Tot Ion:	156	Resp:	102622
Ion Ratio	Lower	Upper	
156	100		
77	228.0	115.8	347.3
158	97.0	48.9	146.6

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#78

n-propylbenzene

Concen: 20.860 ug/l

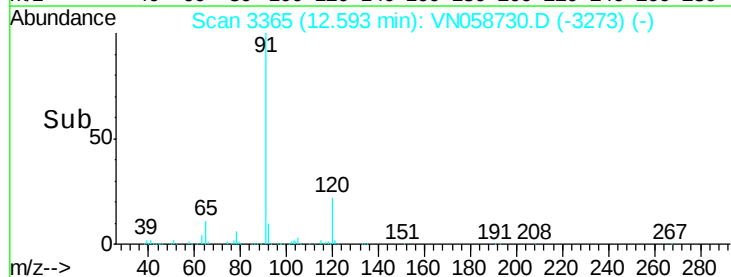
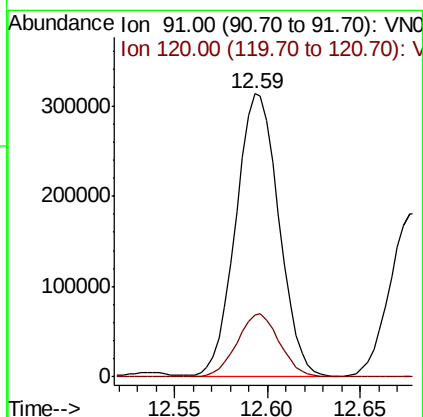
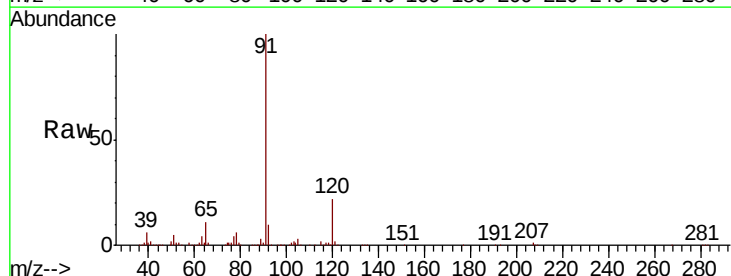
RT: 12.59 min Scan# 3365

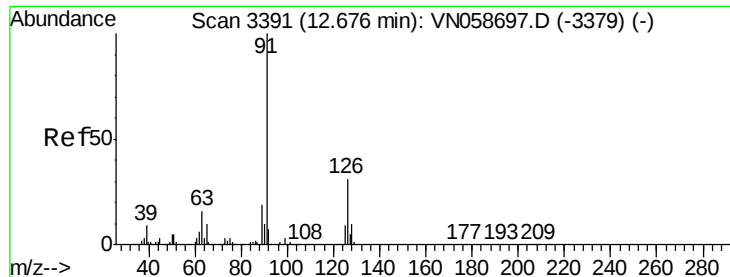
Delta R.T. -0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	91	Resp:	502030
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





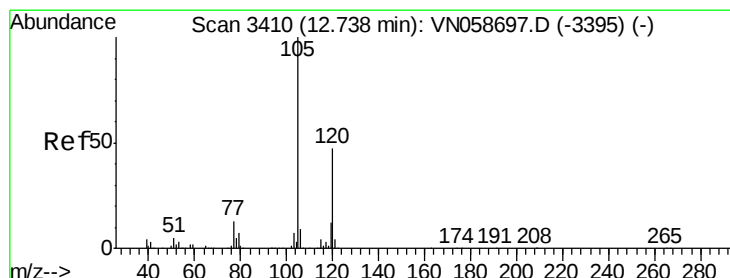
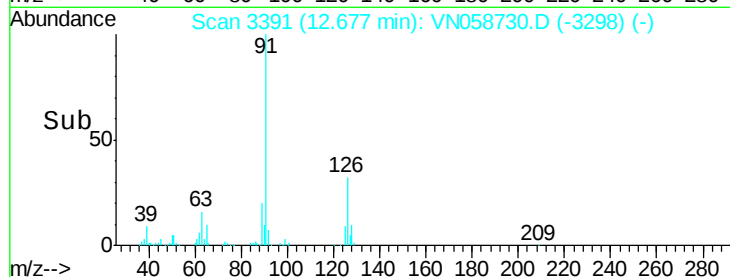
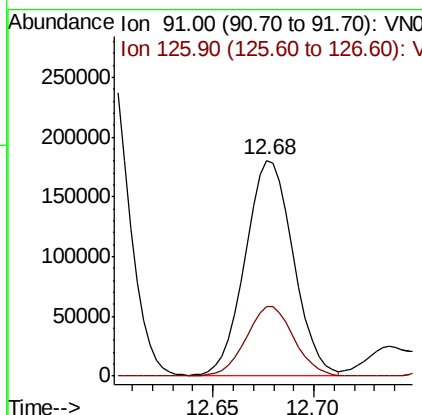
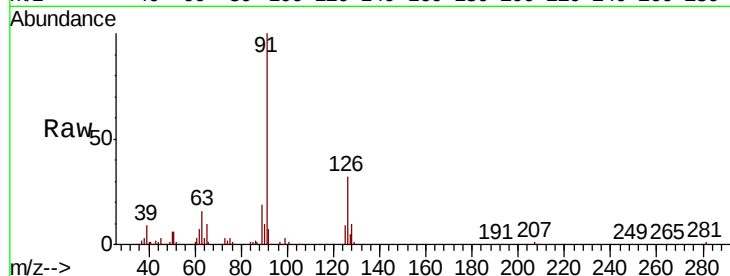
#79
 2-Chlorotoluene
 Concen: 20.088 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

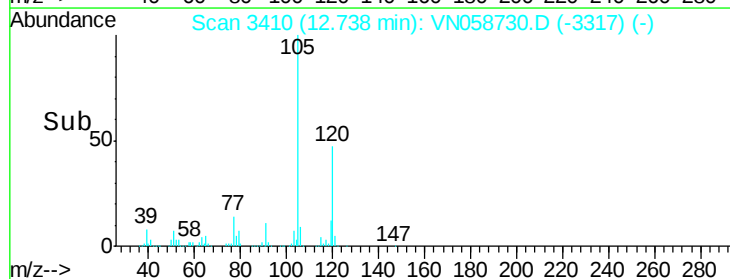
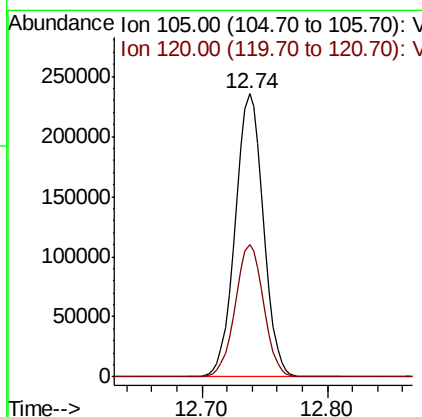
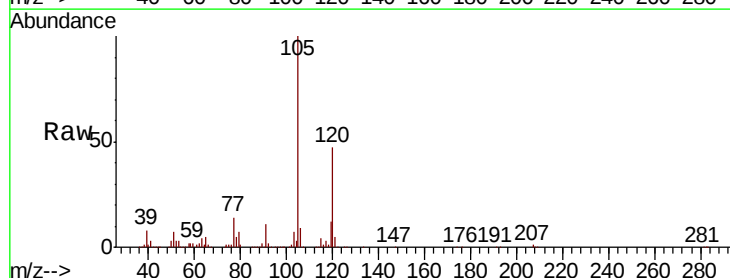
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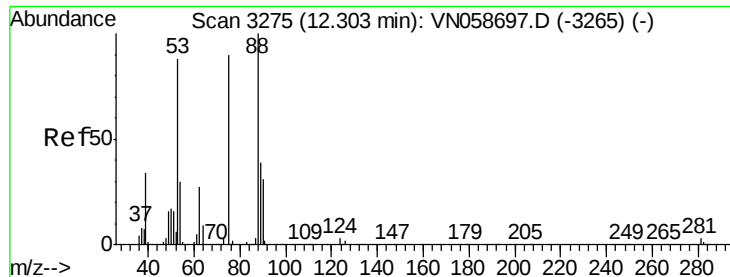
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.791 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.544 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

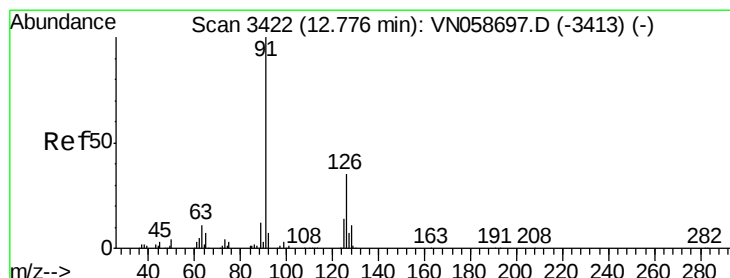
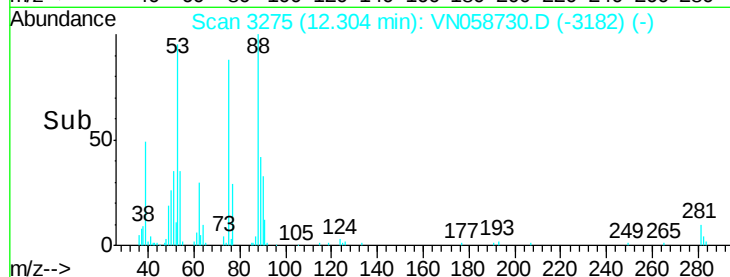
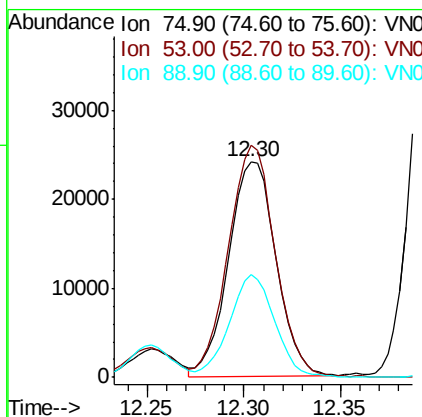
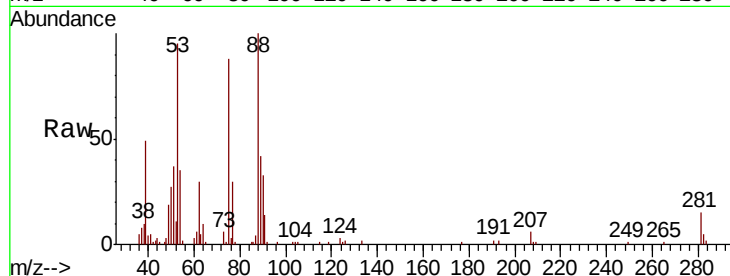
ClientSampleId :

VN1013WBSD02

Tot Ion:	75	Resp:	40975
Ion Ratio	Lower	Upper	
75	100		
53	107.5	78.4	117.6
89	45.7	34.9	52.3

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#82

4-Chlorotoluene

Concen: 20.320 ug/l

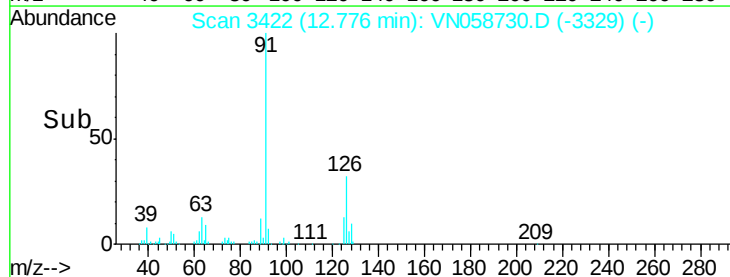
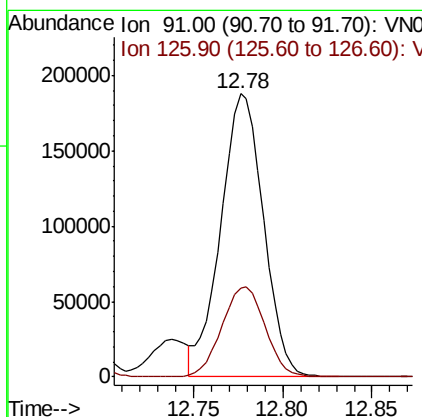
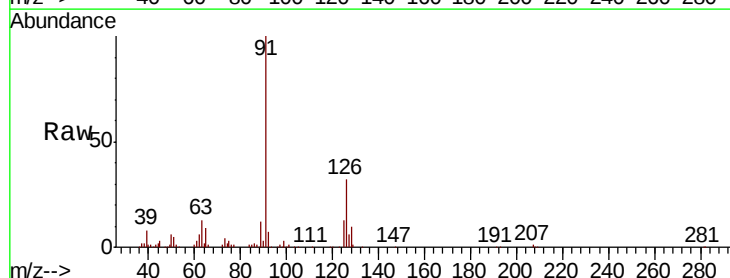
RT: 12.78 min Scan# 3422

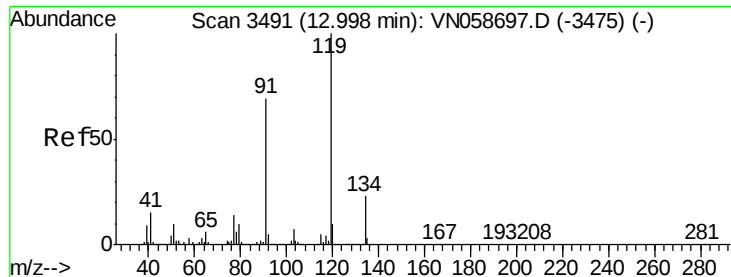
Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	91	Resp:	311468
Ion Ratio	Lower	Upper	
91	100		
126	32.3	15.9	47.6





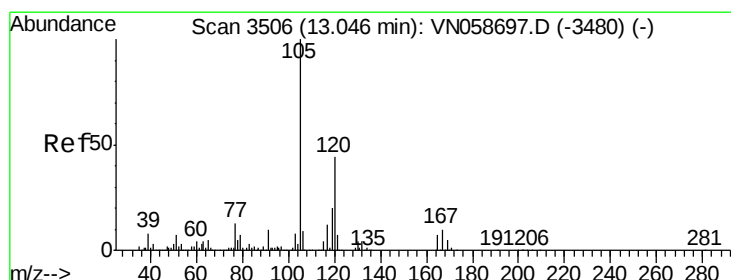
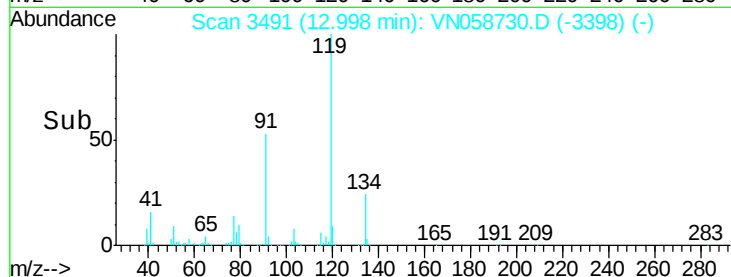
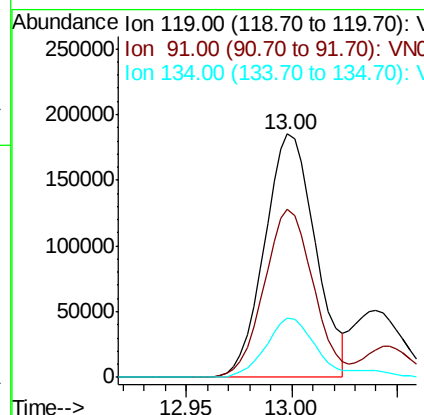
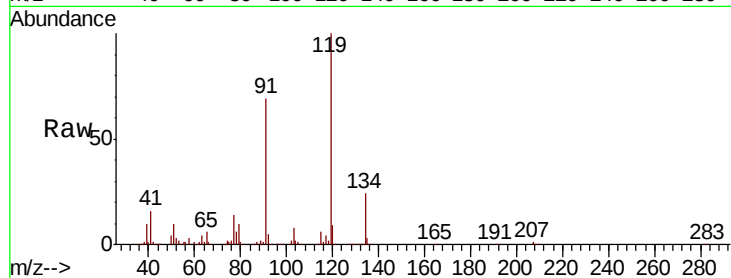
#83
 tert-Butylbenzene
 Concen: 20.493 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.8	101.3
134	25.6	12.6	37.6

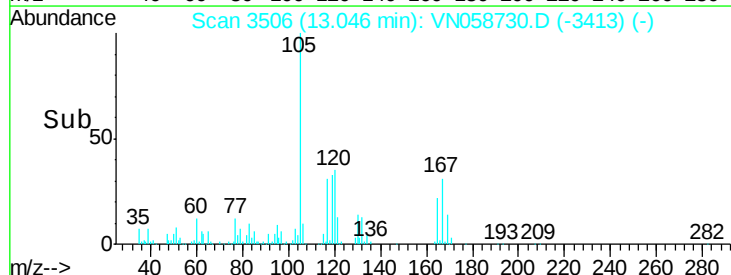
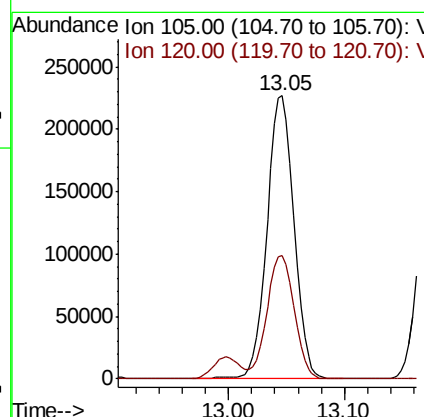
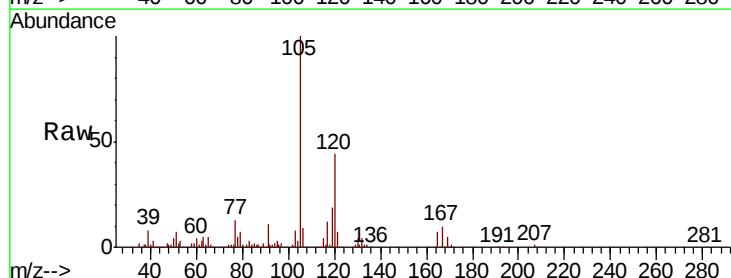
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.978 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





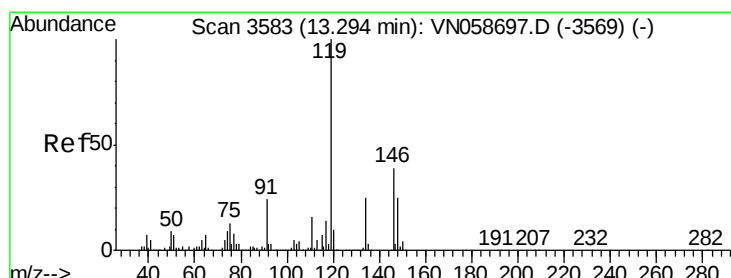
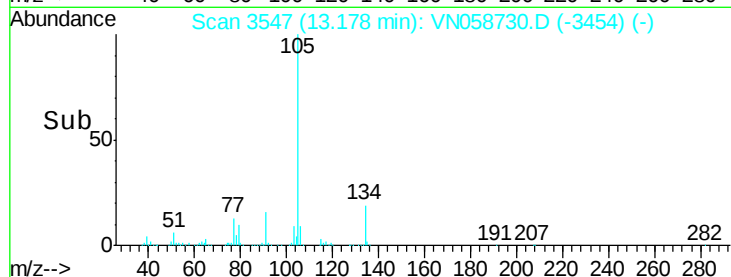
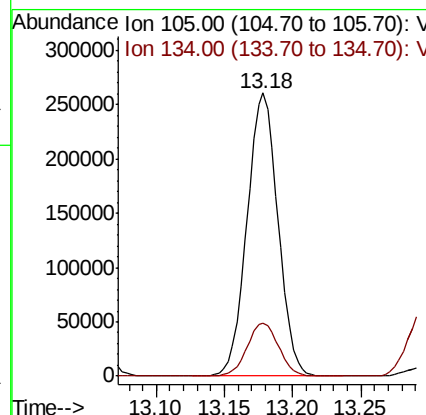
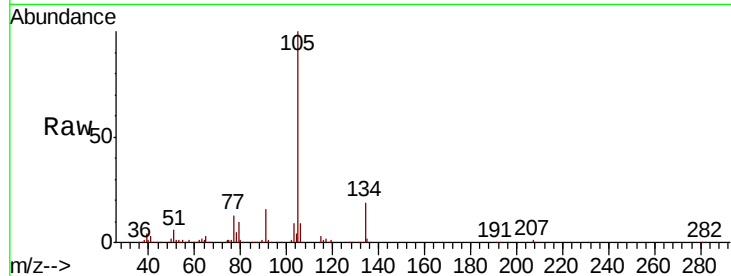
#85
 sec-Butylbenzene
 Concen: 20.587 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	409758		
134	19.0	9.7	29.1	

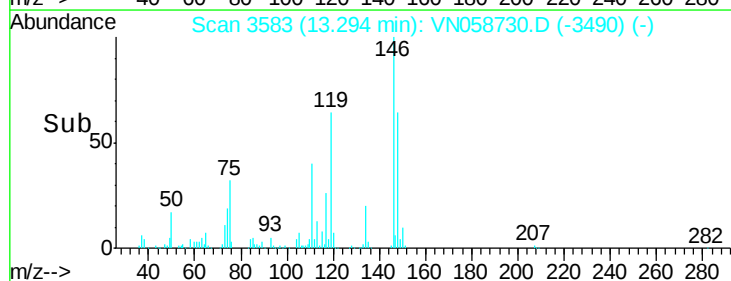
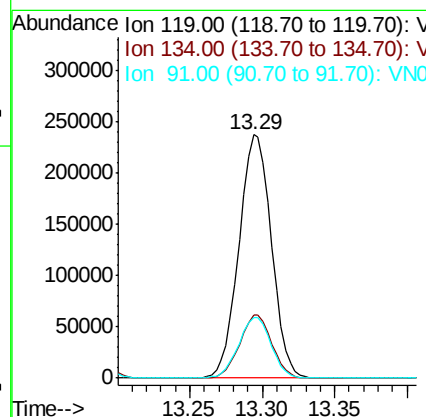
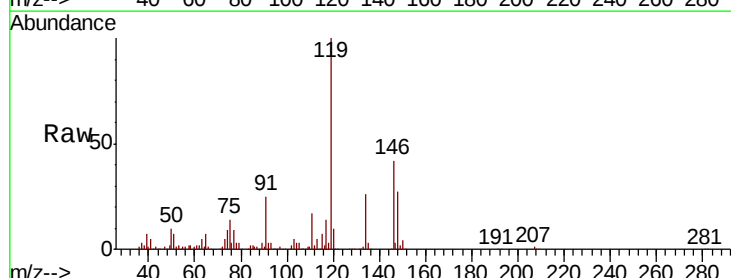
Manual Integrations
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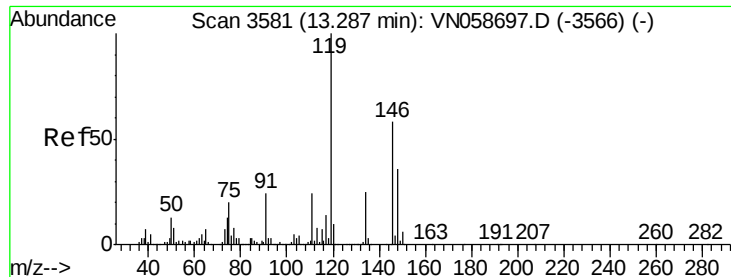
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#86
 p-Isopropyltoluene
 Concen: 20.451 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	369951		
134	25.7	12.7	38.1	
91	25.1	11.9	35.5	





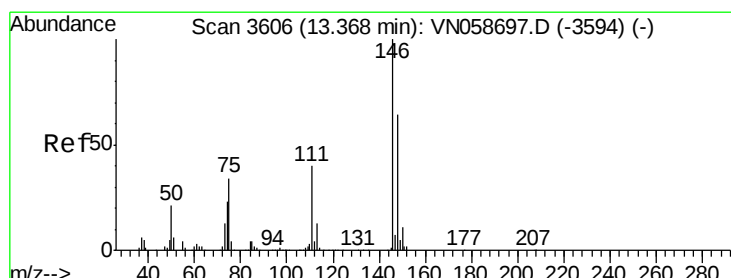
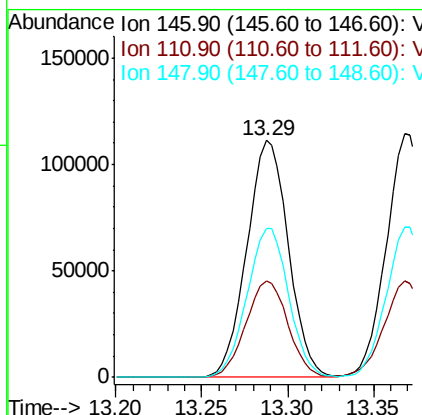
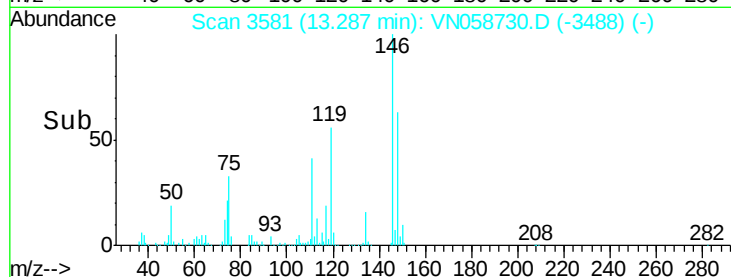
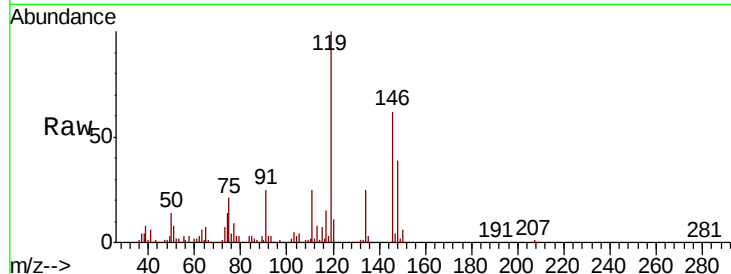
#87
 1,3-Dichlorobenzene
 Concen: 20.114 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.0	31.3	93.9

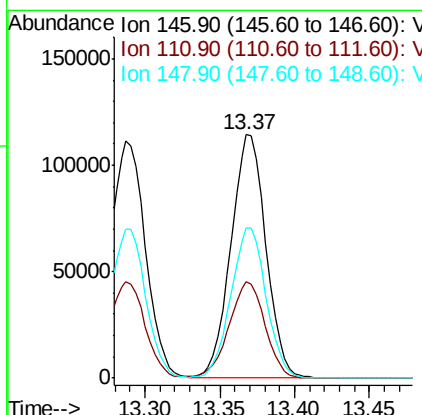
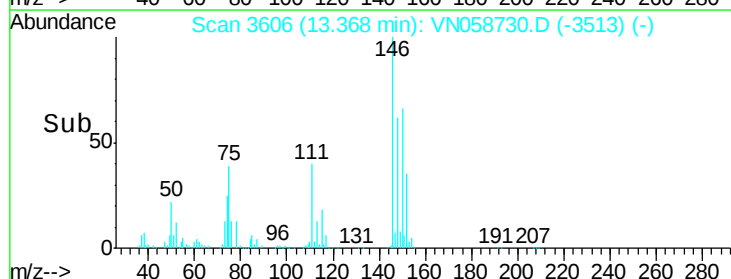
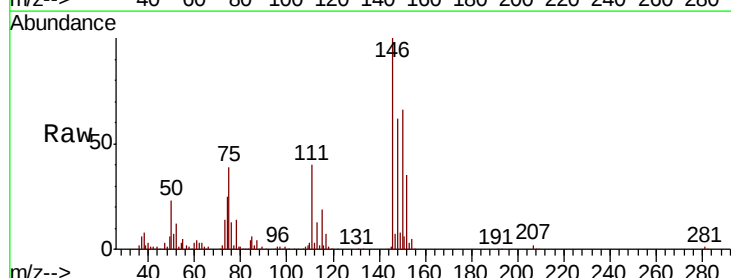
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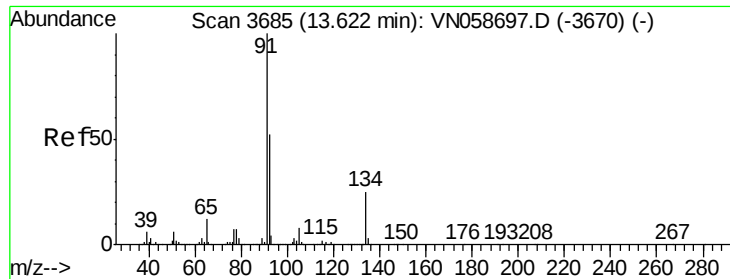
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#88
 1,4-Dichlorobenzene
 Concen: 19.728 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	62.1	31.9	95.7





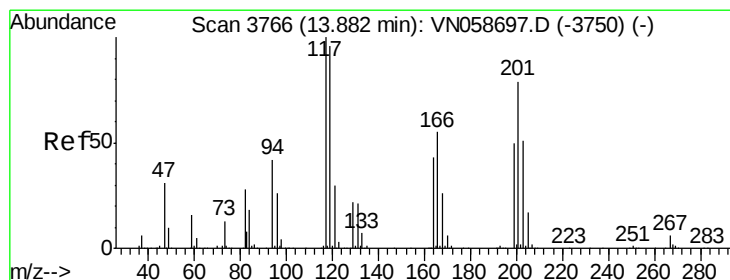
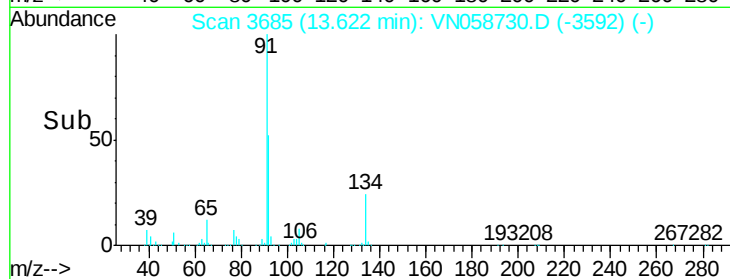
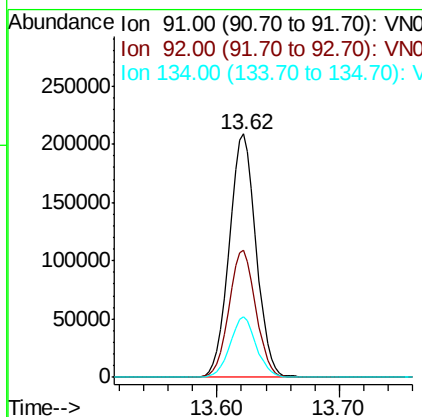
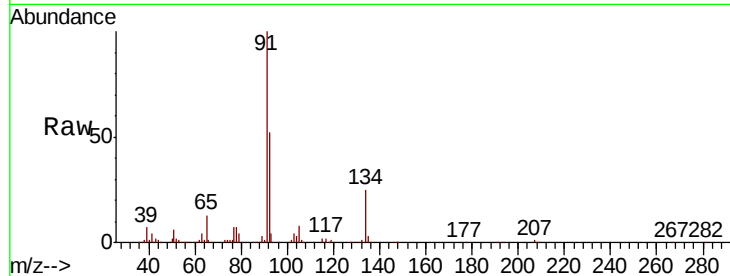
#89
n-Butylbenzene
Concen: 19.176 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	24.1	12.2	36.6

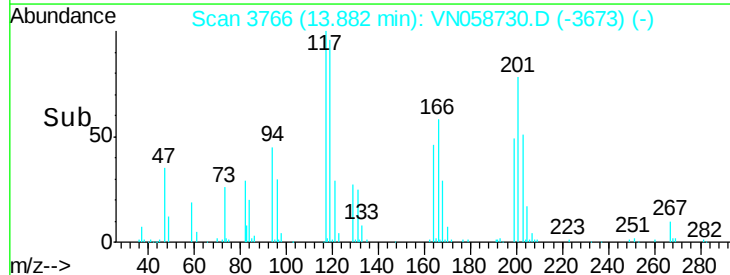
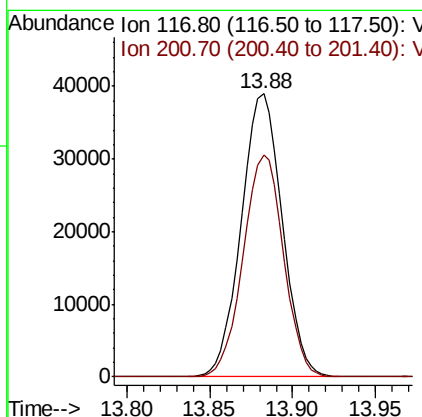
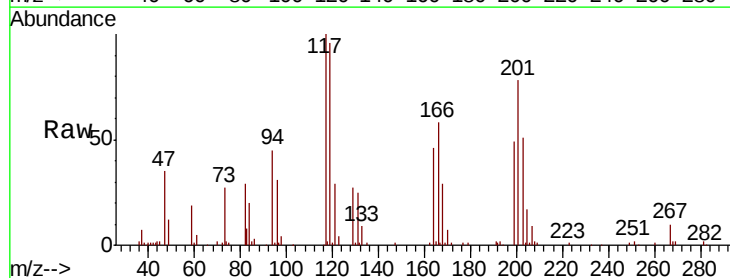
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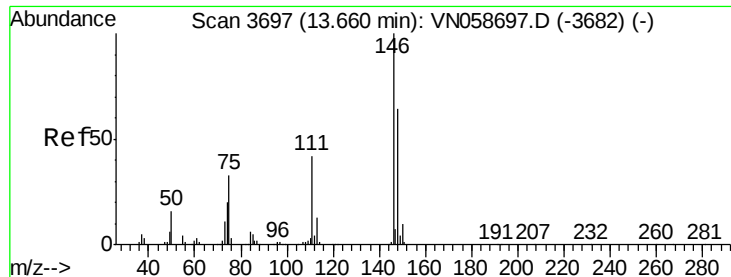
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#90
Hexachloroethane
Concen: 20.688 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058730.D
Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 20.512 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

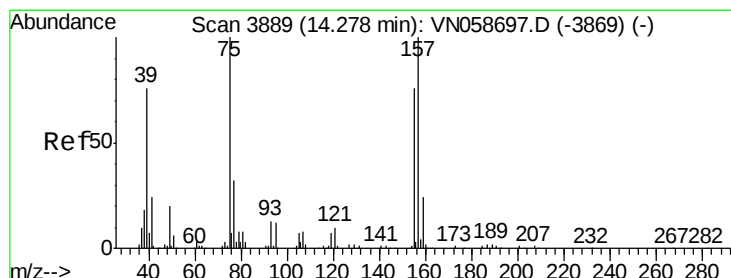
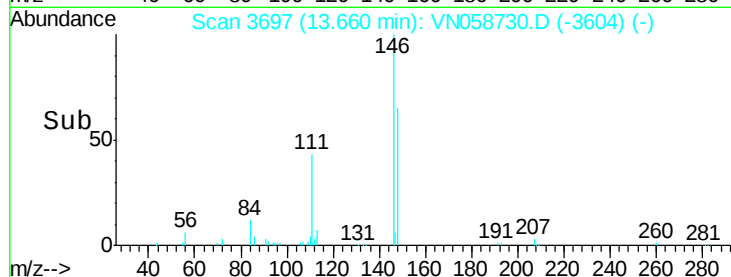
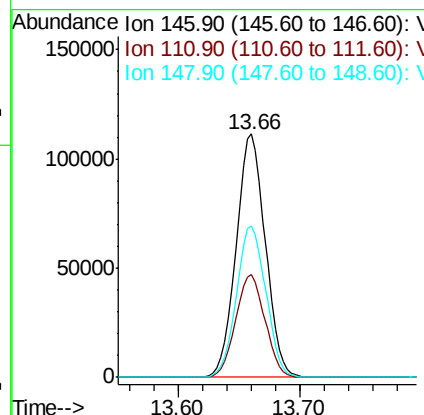
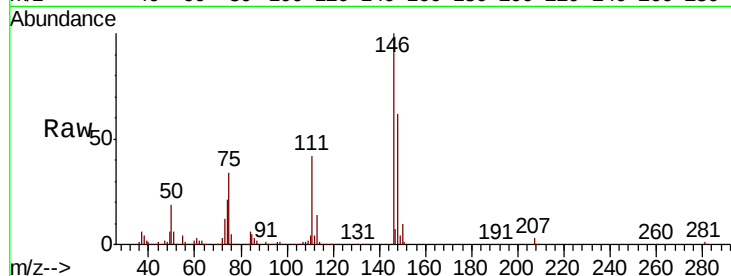
ClientSampleId :

VN1013WBSD02

Tot Ion:	146	Resp:	185209
Ion Ratio		Lower	Upper
146	100		
111	42.5	21.1	63.4
148	62.7	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.058 ug/l

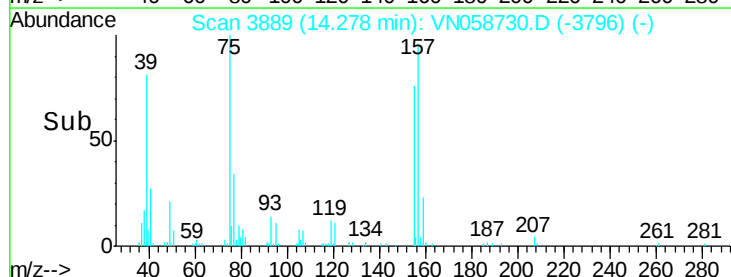
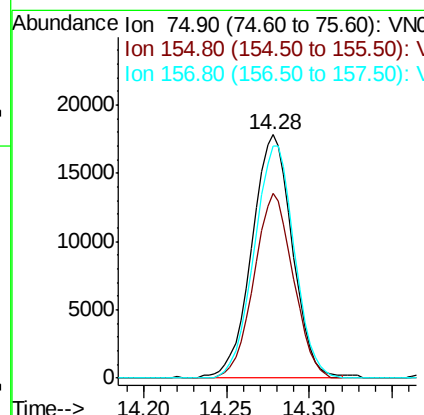
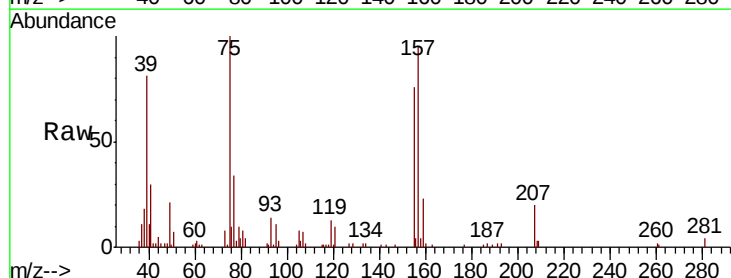
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	75	Resp:	30293
Ion Ratio		Lower	Upper
75	100		
155	73.2	37.9	113.6
157	95.0	49.4	148.2





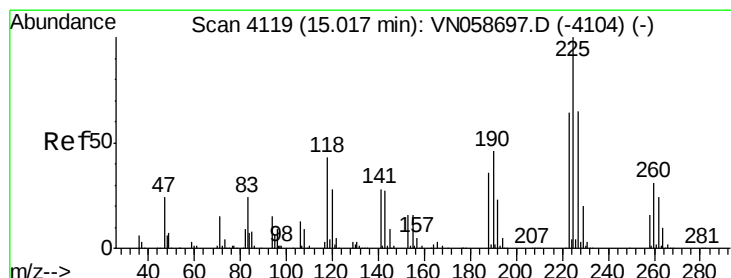
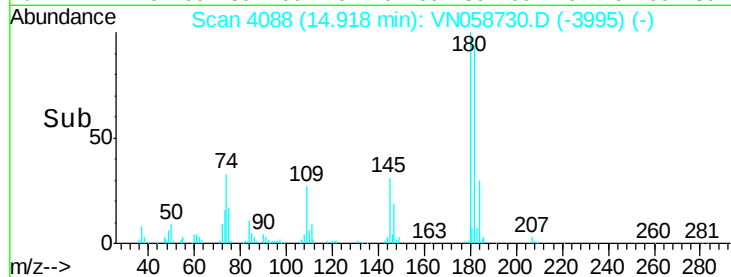
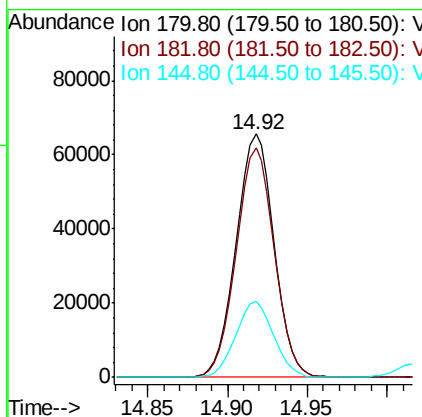
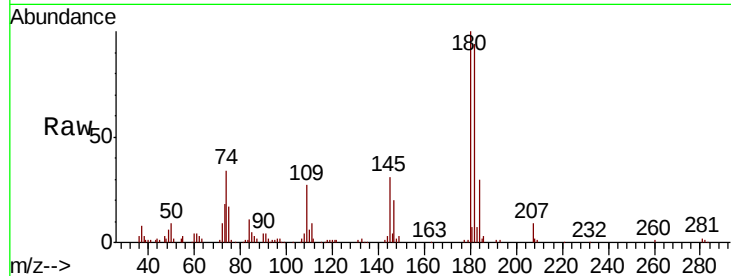
#93
 1,2,4-Trichlorobenzene
 Concen: 19.188 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD02

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.5	47.4	142.2
145	31.1	15.4	46.2

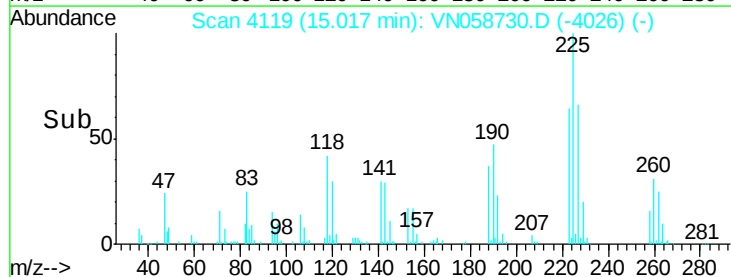
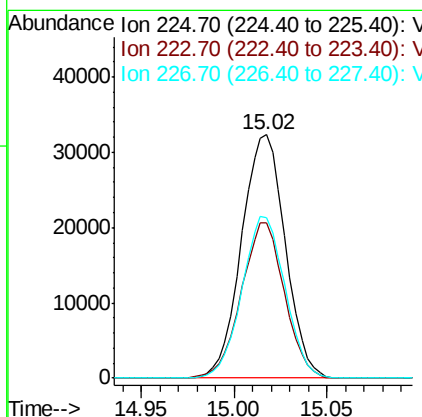
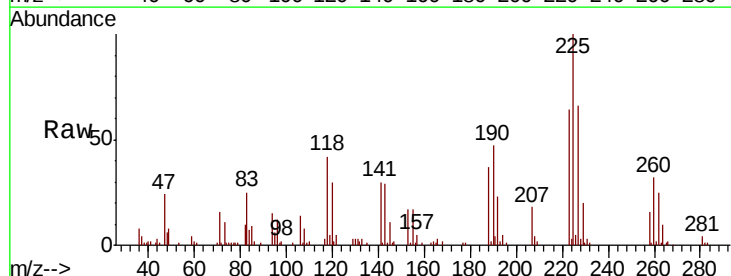
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#94
 Hexachlorobutadiene
 Concen: 18.292 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058730.D
 Acq: 12 Oct 2019 2:39

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.0	32.3	96.8
227	65.4	32.4	97.0





#95

Naphthalene

Concen: 19.328 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Instrument :

MSVOA_N

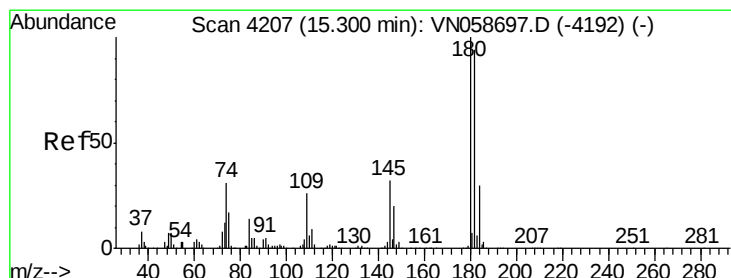
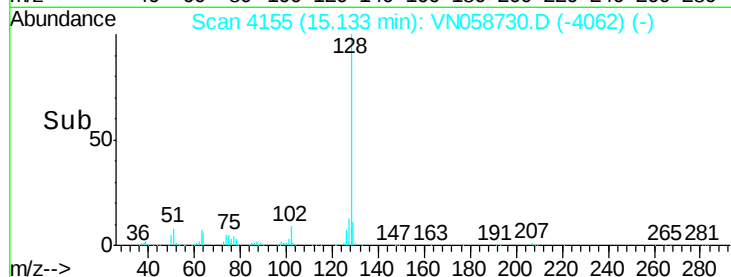
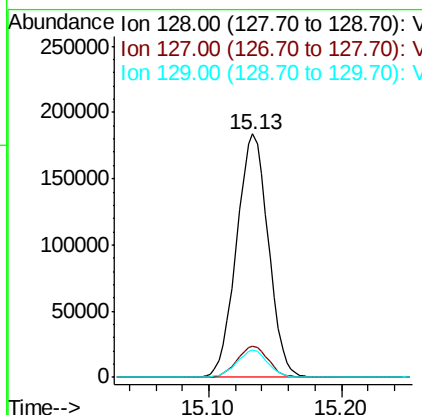
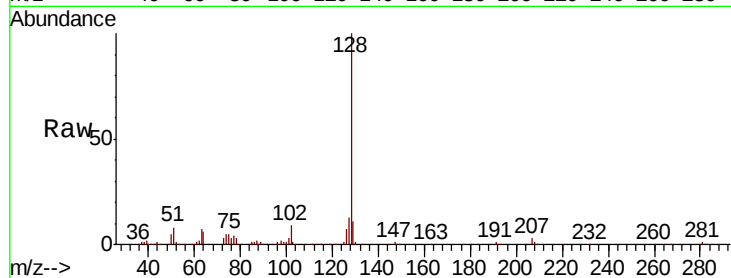
ClientSampleId :

VN1013WBSD02

Tot Ion:	128	Resp:	305969
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.203 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058730.D

Acq: 12 Oct 2019 2:39

Tgt Ion:	180	Resp:	103267
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.3	142.0
145	33.2	16.2	48.6

