

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058815.D
 Acq On : 17 Oct 2019 10:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:25:50 PM

Quant Time: Oct 18 01:40:50 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	398211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	641105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292189	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	280100	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	7.57	113	202311	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.08	98	792348	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	300892	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	248345	50.075	ug/l	98
3) Chloromethane	2.04	50	288317	48.889	ug/l	100
4) Vinyl Chloride	2.17	62	304793	51.891	ug/l	100
5) Bromomethane	2.53	94	186118	52.088	ug/l	100
6) Chloroethane	2.68	64	188135	51.928	ug/l	99
7) Trichlorofluoromethane	3.00	101	368192	52.378	ug/l	100
8) Diethyl Ether	3.39	74	135002	51.978	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	206409	51.497	ug/l	97
10) Methyl Iodide	3.93	142	275701	50.406	ug/l	100
11) Tert butyl alcohol	4.76	59	242172	268.227	ug/l	100
12) 1,1-Dichloroethene	3.72	96	195536	51.131	ug/l	96
13) Acrolein	3.58	56	159101	219.108	ug/l	99
14) Allyl chloride	4.30	41	407547	52.808	ug/l	98
15) Acrylonitrile	4.96	53	642199	282.053	ug/l	99
16) Acetone	3.79	43	745109	322.841	ug/l	99
17) Carbon Disulfide	4.03	76	578202	47.299	ug/l	99
18) Methyl Acetate	4.30	43	333528	56.971	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	737682	54.020	ug/l	97
20) Methylene Chloride	4.53	84	239605	49.674	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	217350	50.810	ug/l	99
22) Diisopropyl ether	5.92	45	821266	54.731	ug/l	96
23) Vinyl Acetate	5.87	43	3539076	292.292	ug/l	100
24) 1,1-Dichloroethane	5.82	63	447833	52.402	ug/l	99
25) 2-Butanone	6.81	43	975189	292.329	ug/l	98
26) 2,2-Dichloropropane	6.80	77	401213	51.429	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	250736	50.265	ug/l	99
28) Bromochloromethane	7.17	49	157229	52.883	ug/l	96
29) Tetrahydrofuran	7.19	42	607812	281.945	ug/l	99
30) Chloroform	7.35	83	440678	51.323	ug/l	100
31) Cyclohexane	7.63	56	397719	48.638	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	387332	52.895	ug/l	100
36) 1,1-Dichloropropene	7.77	75	334791	51.649	ug/l	99
37) Ethyl Acetate	6.90	43	380139	57.988	ug/l	98
38) Carbon Tetrachloride	7.75	117	334787	52.994	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383228	50.950	ug/l	99
40) Benzene	8.02	78	977747	52.521	ug/l	99
41) Methacrylonitrile	7.16	41	157508m	51.328	ug/l	
42) 1,2-Dichloroethane	8.11	62	378520	52.924	ug/l	100
43) Isopropyl Acetate	8.15	43	610227	54.643	ug/l	100
44) Trichloroethene	8.82	130	237739	51.425	ug/l	98
45) 1,2-Dichloropropane	9.11	63	269098	53.997	ug/l	99
46) Dibromomethane	9.20	93	167864	53.127	ug/l	100
47) Bromodichloromethane	9.39	83	354856	55.152	ug/l	99
48) Methyl methacrylate	9.19	41	283399	55.984	ug/l	100
49) 1,4-Dioxane	9.19	88	87981	1123.438	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1918231	305.848	ug/l	100
52) Toluene	10.15	92	594760	52.236	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	406884	55.136	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	429157	54.773	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	236735	50.799	ug/l	99
56) Ethyl methacrylate	10.43	69	393895	57.855	ug/l	99
57) 1,3-Dichloropropane	10.70	76	427158	53.789	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	902117	274.947	ug/l	100
59) 2-Hexanone	10.75	43	1471780	303.654	ug/l	100
60) Dibromochloromethane	10.90	129	265552	55.238	ug/l	99
61) 1,2-Dibromoethane	11.00	107	253917	54.386	ug/l	98
64) Tetrachloroethene	10.63	164	210008	50.487	ug/l	96
65) Chlorobenzene	11.43	112	633856	52.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	240768	53.942	ug/l	100
67) Ethyl Benzene	11.51	91	1183441	55.001	ug/l	100
68) m/p-Xylenes	11.62	106	874595	108.313	ug/l	99
69) o-Xylene	11.95	106	414945	53.114	ug/l	99
70) Styrene	11.97	104	701158	54.758	ug/l	99
71) Bromoform	12.13	173	189499	57.922	ug/l #	99
73) Isopropylbenzene	12.25	105	1159319	54.786	ug/l	100
74) N-amyl acetate	12.07	43	545555	57.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	379083	54.379	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	371819m	58.007	ug/l	
77) Bromobenzene	12.53	156	269479	52.356	ug/l	98
78) n-propylbenzene	12.59	91	1383257	56.097	ug/l	99
79) 2-Chlorotoluene	12.68	91	809602	52.899	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	979452	54.215	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	135784	56.744	ug/l	99
82) 4-Chlorotoluene	12.78	91	845801	53.855	ug/l	100
83) tert-Butylbenzene	13.00	119	830725	53.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	988597	55.122	ug/l	100
85) sec-Butylbenzene	13.18	105	1144686	56.131	ug/l	100
86) p-Isopropyltoluene	13.29	119	1029046	55.521	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	494533	52.099	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	497263	51.524	ug/l	99
89) n-Butylbenzene	13.62	91	941781	54.953	ug/l	100
90) Hexachloroethane	13.88	117	187115	56.421	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486623	52.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83220	51.100	ug/l	97

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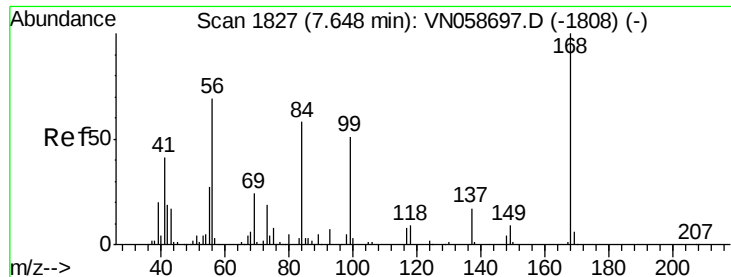
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	289592	51.314	ug/l	100
94) Hexachlorobutadiene	15.02	225	153209	51.552	ug/l	97
95) Naphthalene	15.13	128	870076	53.644	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	284467	51.628	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 398211

Ion Ratio Lower Upper

168 100

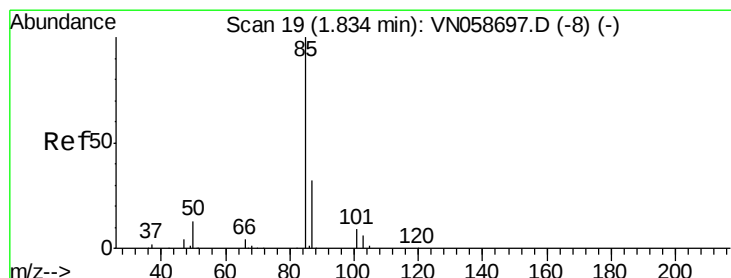
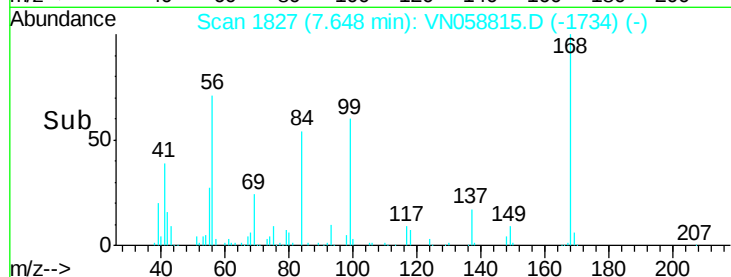
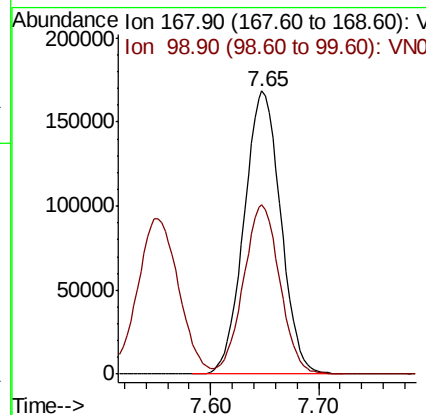
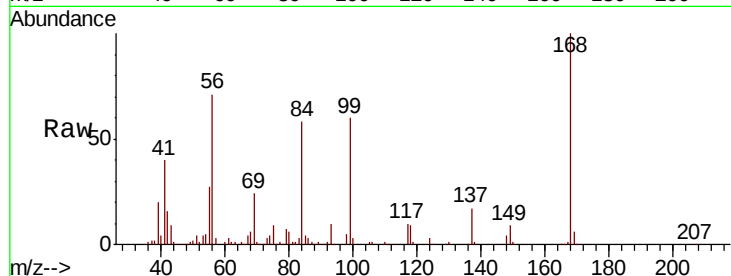
99 59.7 47.5 71.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.075 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058815.D

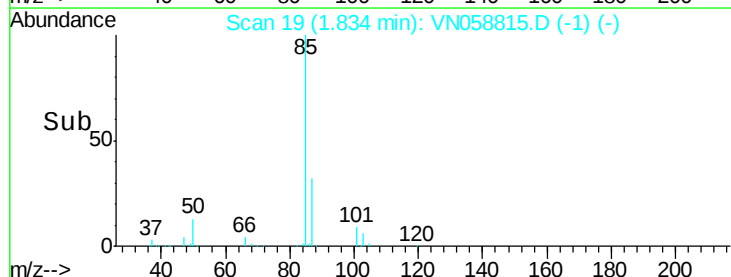
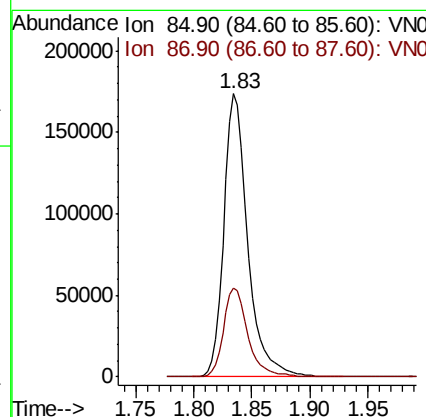
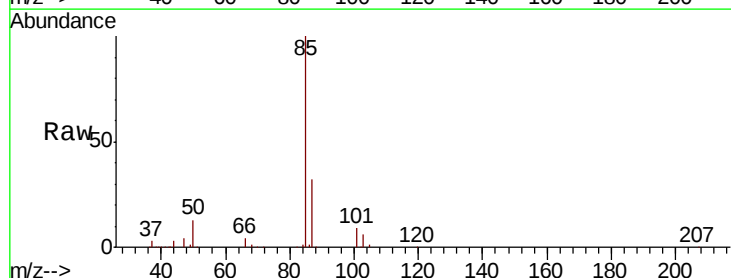
Acq: 17 Oct 2019 10:01

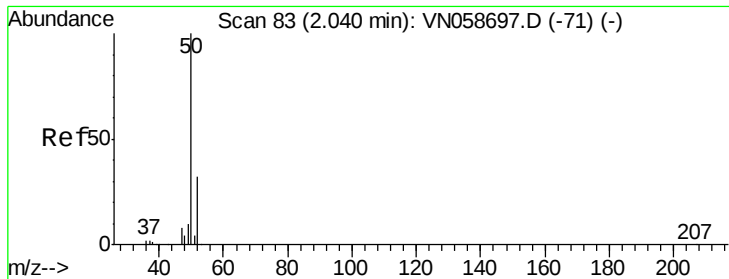
Tgt Ion: 85 Resp: 248345

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6





#3

Chloromethane

Concen: 48.889 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 288317

Ion Ratio Lower Upper

50 100

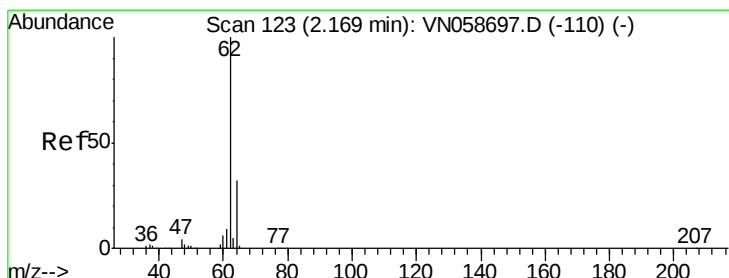
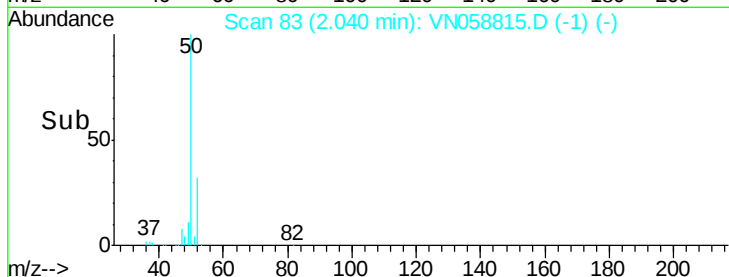
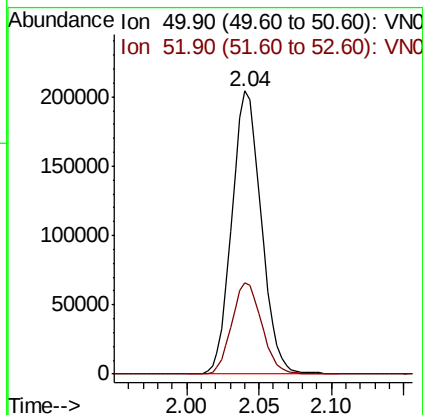
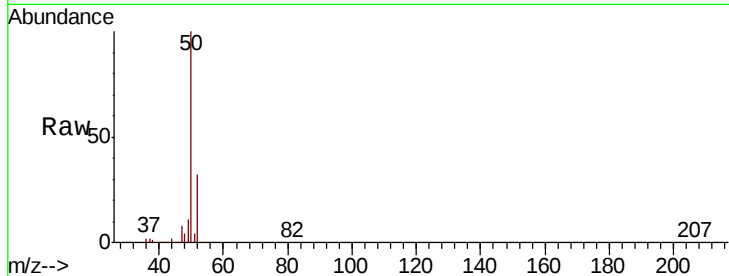
52 32.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.891 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058815.D

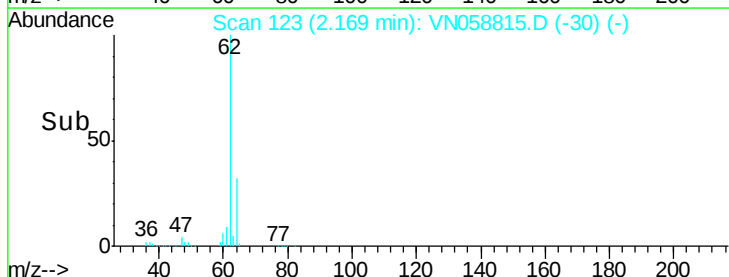
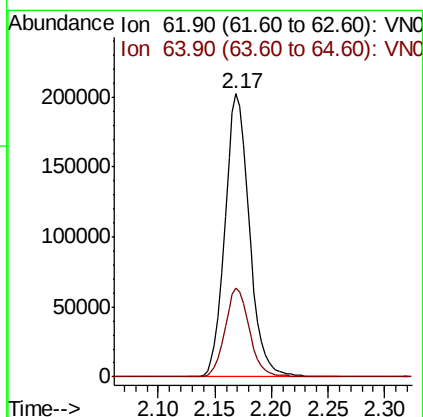
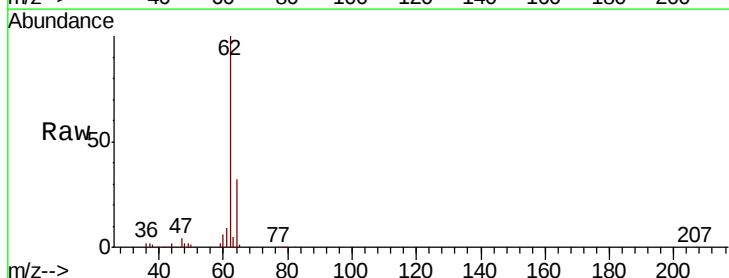
Acq: 17 Oct 2019 10:01

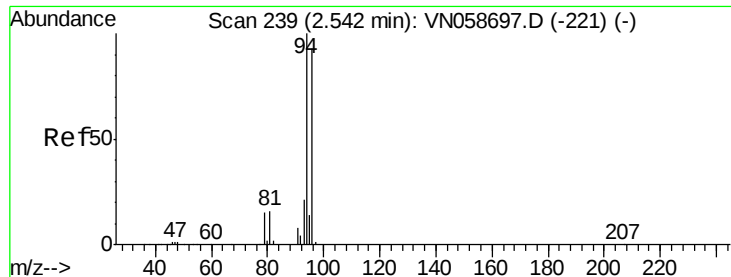
Tgt Ion: 62 Resp: 304793

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 52.088 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion: 94 Resp: 186118

Ion Ratio Lower Upper

94 100

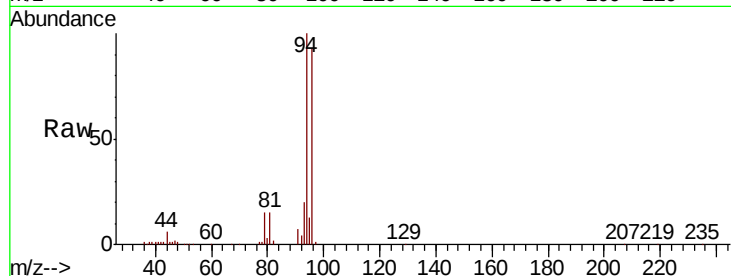
96 93.4 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

100000

80000

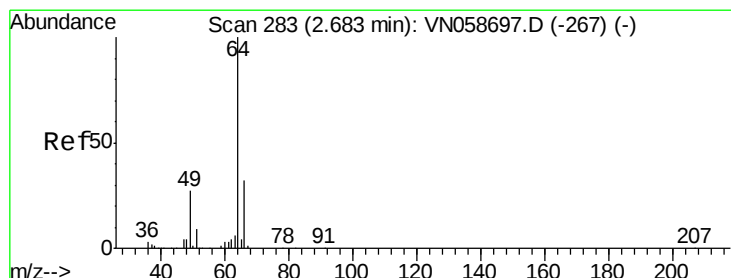
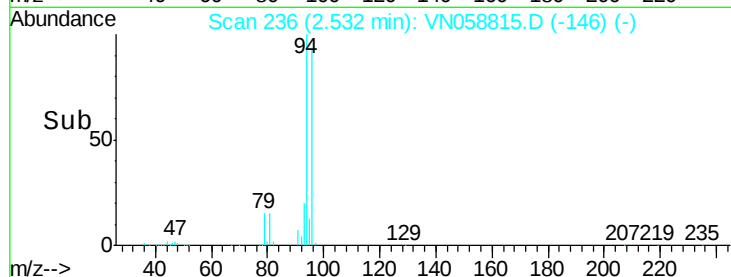
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.928 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058815.D

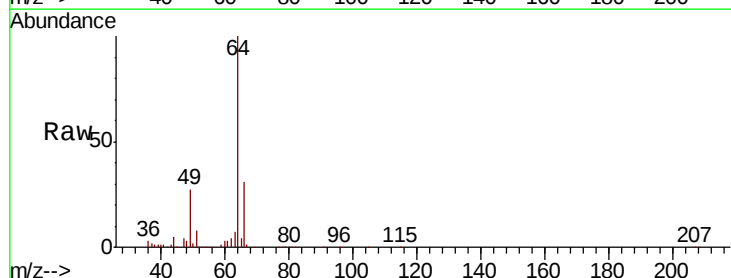
Acq: 17 Oct 2019 10:01

Tgt Ion: 64 Resp: 188135

Ion Ratio Lower Upper

64 100

66 31.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

100000

80000

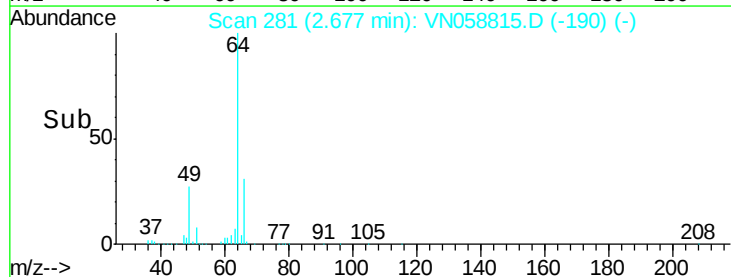
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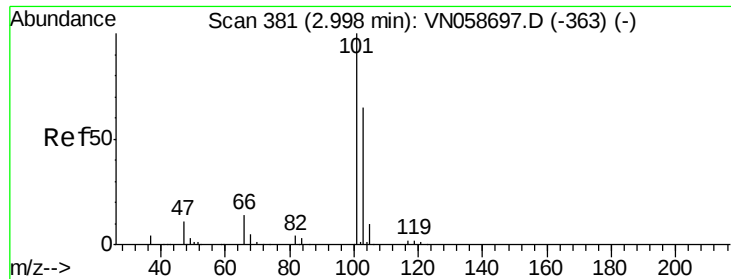
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20000

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Time-->





#7

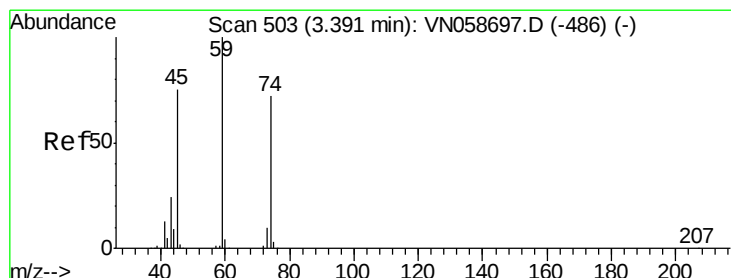
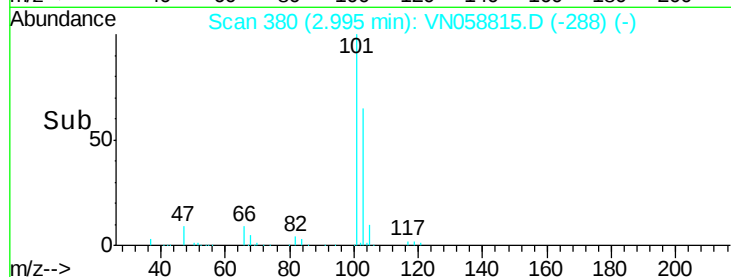
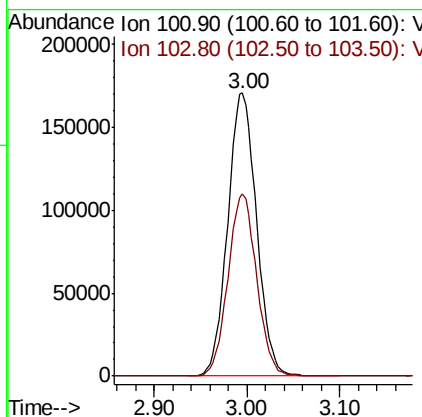
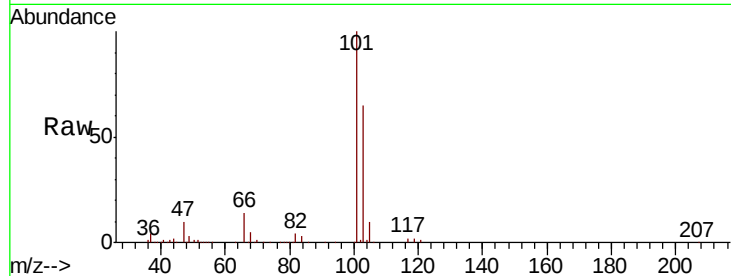
Trichlorofluoromethane
 Concen: 52.378 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

Manual Integrations
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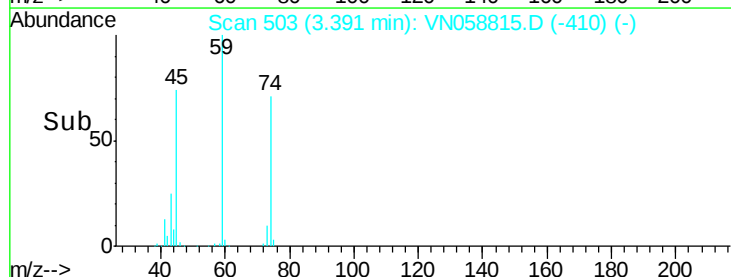
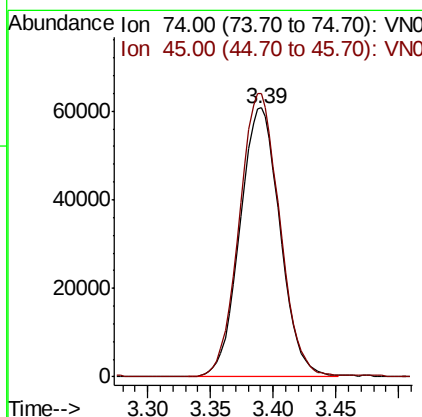
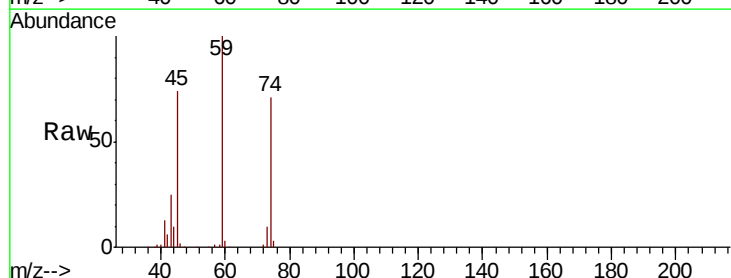
MMDadoda
 10/18/2019 3:25:50 PM

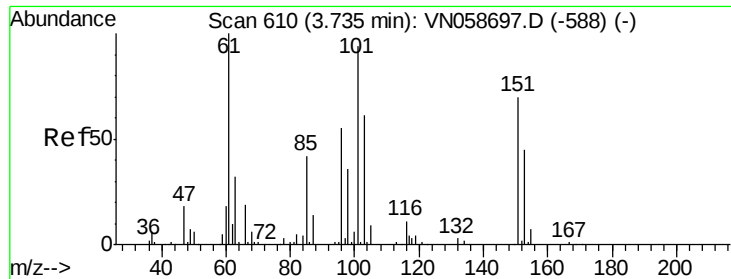


#8

Diethyl Ether
 Concen: 51.978 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.497 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

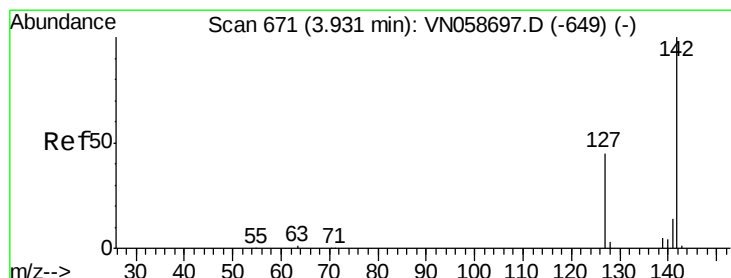
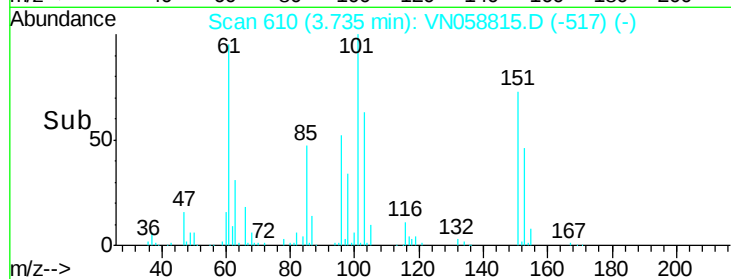
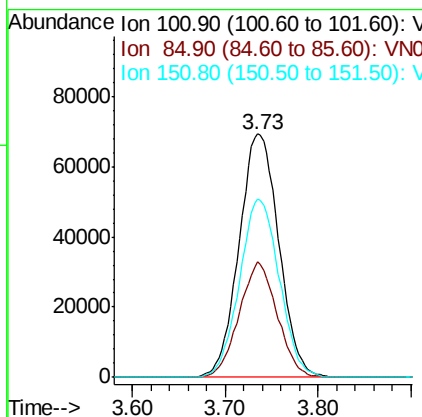
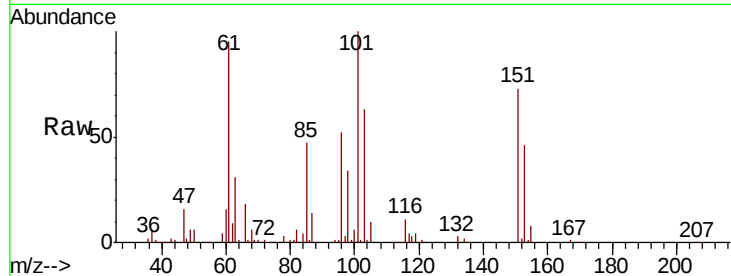
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	206409
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	73.4	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 50.406 ug/l

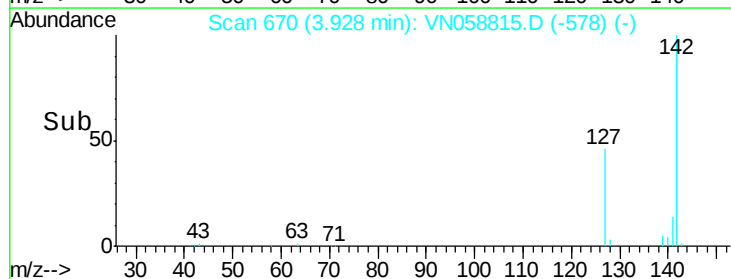
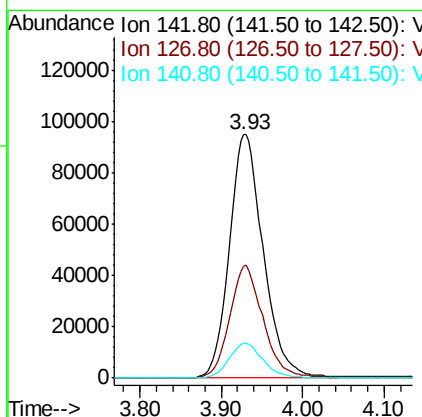
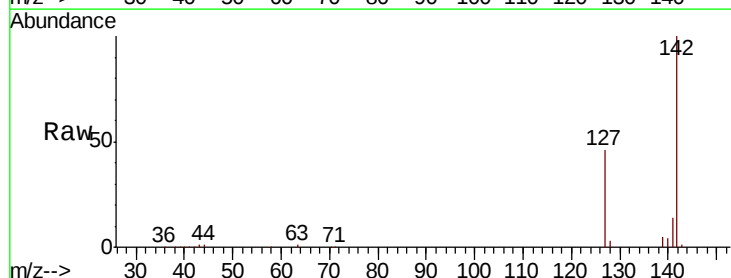
RT: 3.93 min Scan# 670

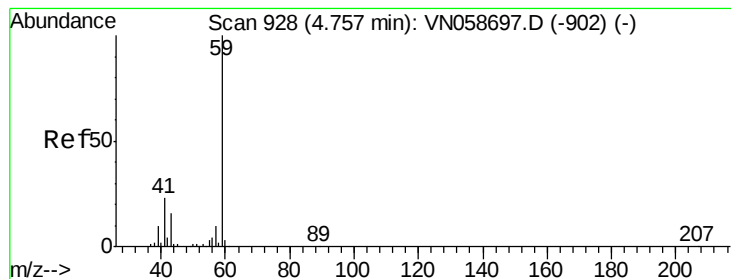
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	142	Resp:	275701
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.4	54.6
141	14.5	11.1	16.7





#11

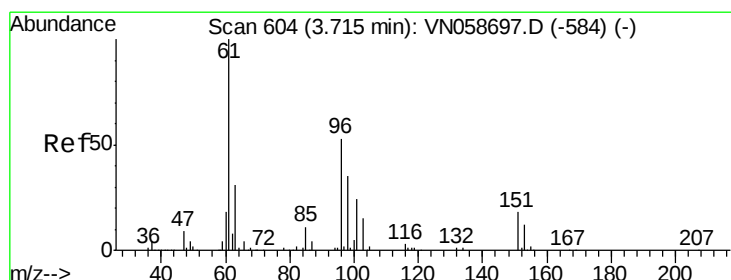
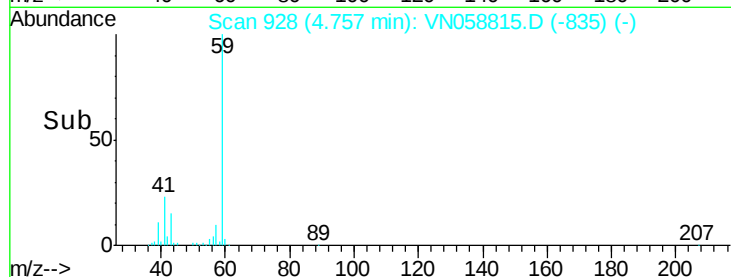
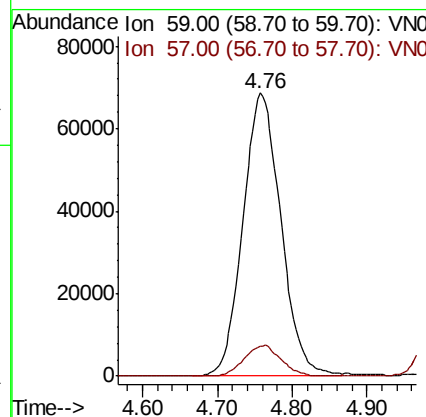
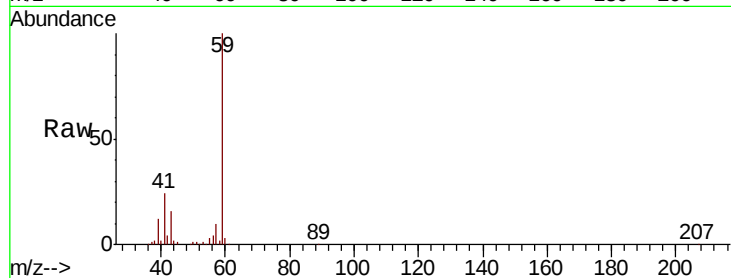
Tert butyl alcohol
 Concen: 268.227 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	242172
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

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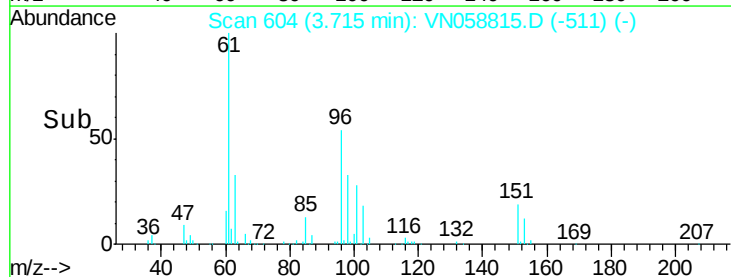
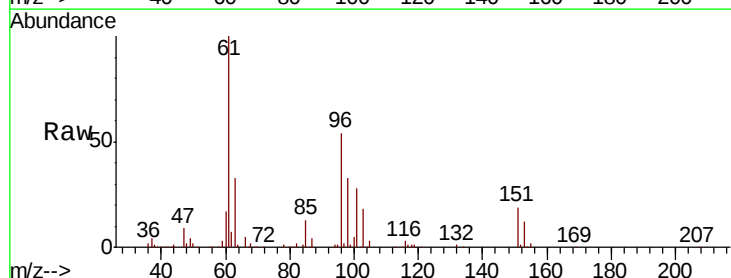
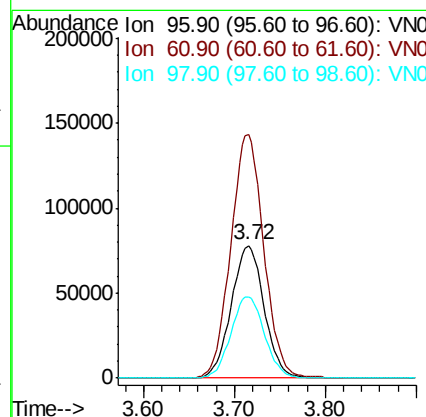
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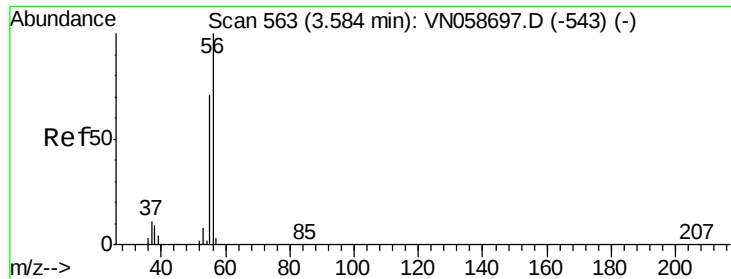


#12

1,1-Dichloroethene
 Concen: 51.131 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	96	Resp	195536
Ion Ratio	100	Lower	Upper
61	183.6	151.3	226.9
98	61.5	52.6	78.8





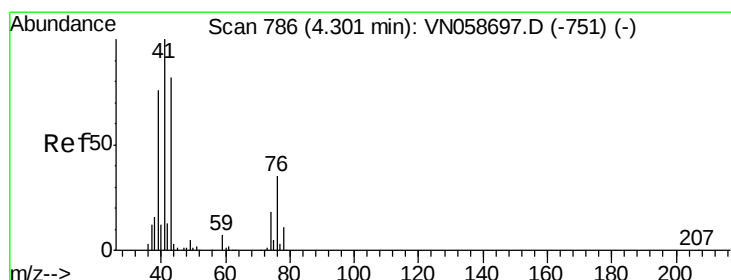
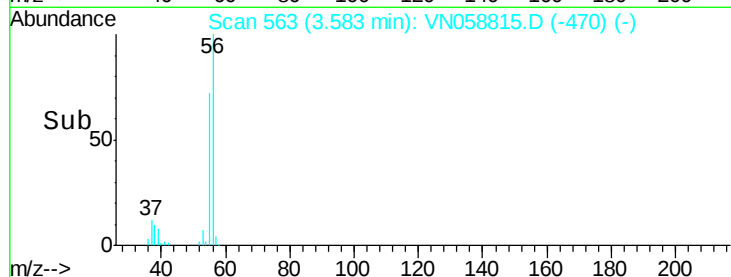
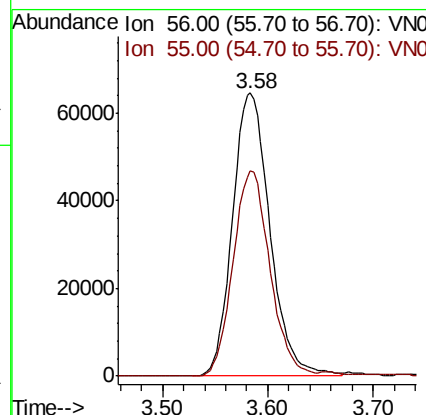
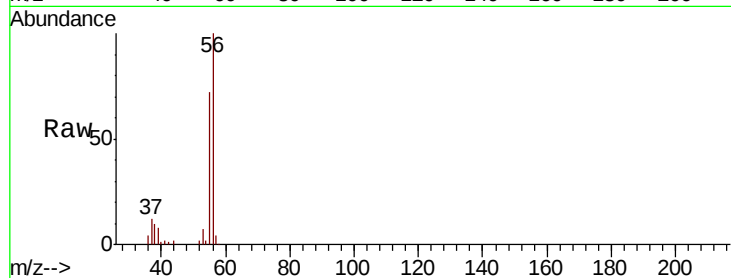
#13
Acrolein
Concen: 219.108 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	159101
Ion Ratio	Lower	Upper	
56	100		
55	71.6	56.7	85.1

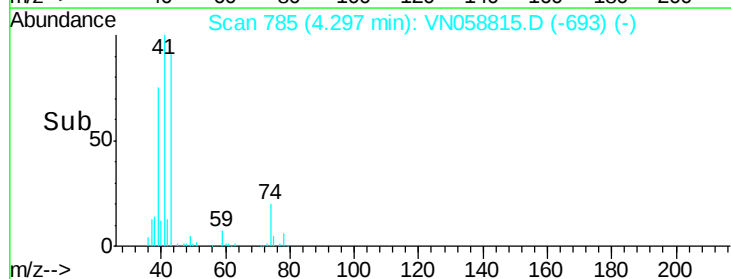
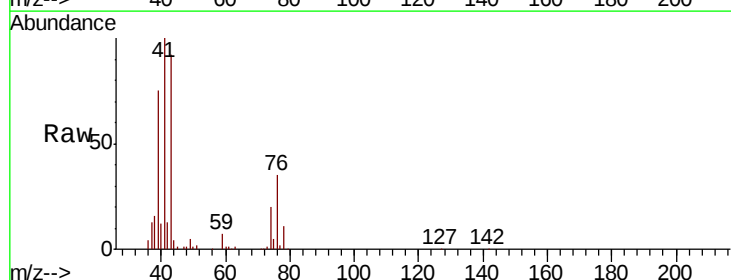
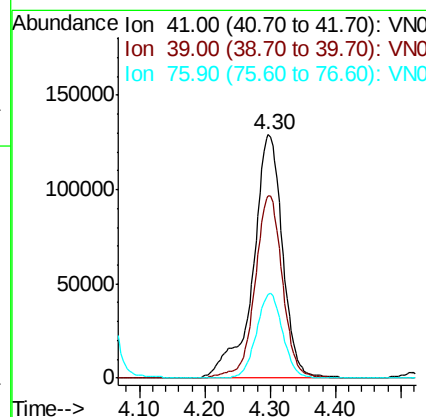
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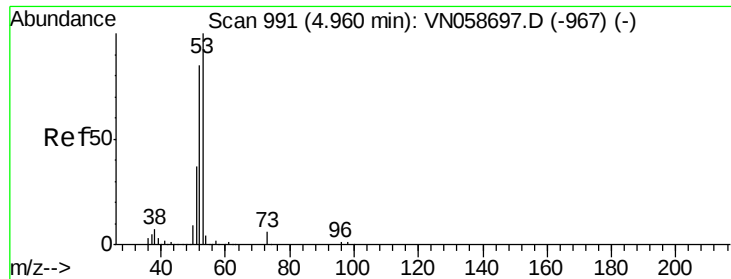
MMDadoda
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#14
Allyl chloride
Concen: 52.808 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	41	Resp	407547
Ion Ratio	Lower	Upper	
41	100		
39	69.6	57.2	85.8
76	30.8	25.0	37.6





#15

Acrylonitrile

Concen: 282.053 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

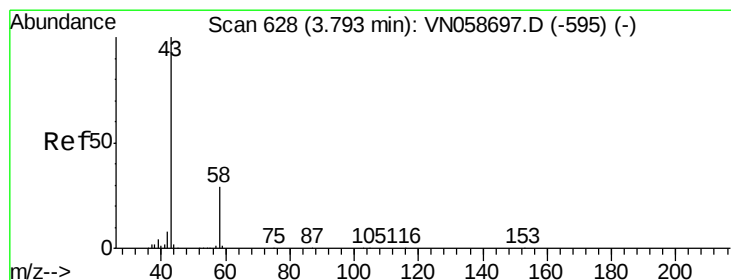
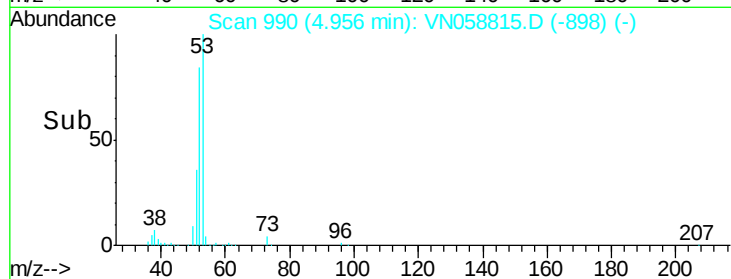
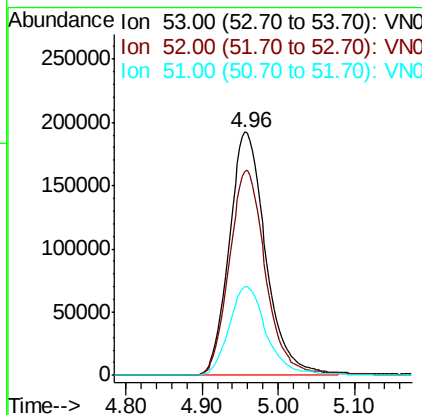
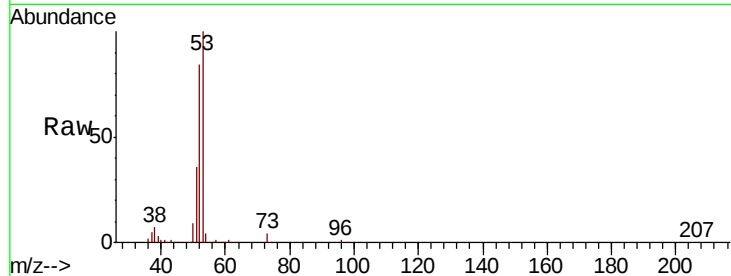
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	642199
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.5	29.4	44.2

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#16

Acetone

Concen: 322.841 ug/l

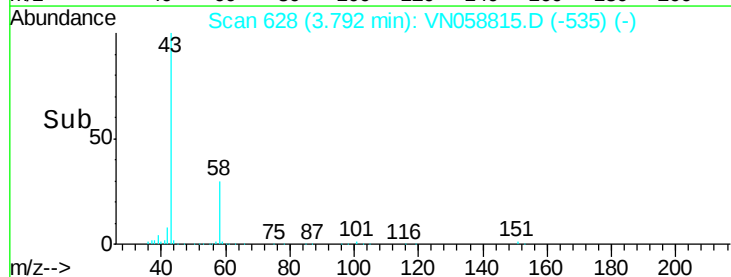
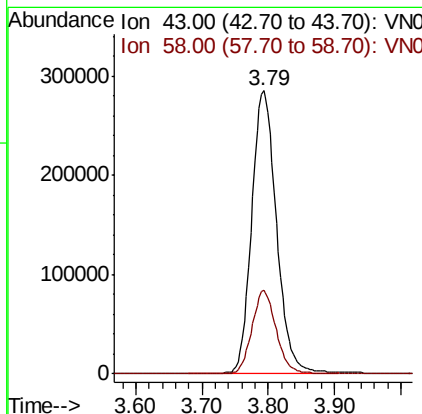
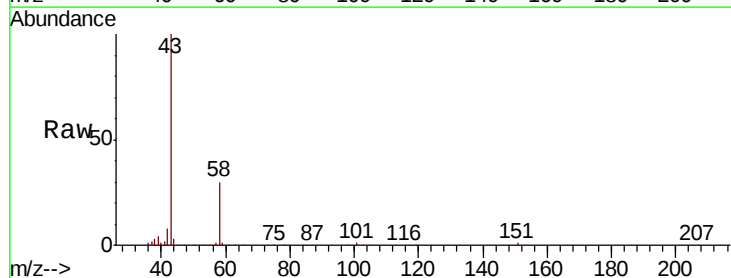
RT: 3.79 min Scan# 628

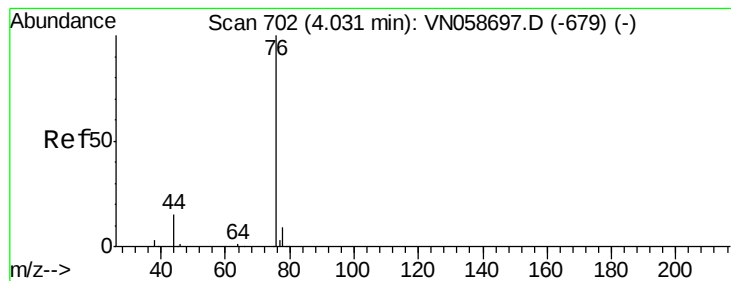
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	43	Resp:	745109
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.3	34.9





#17

Carbon Disulfide

Concen: 47.299 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 578202

Ion Ratio Lower Upper

76 100

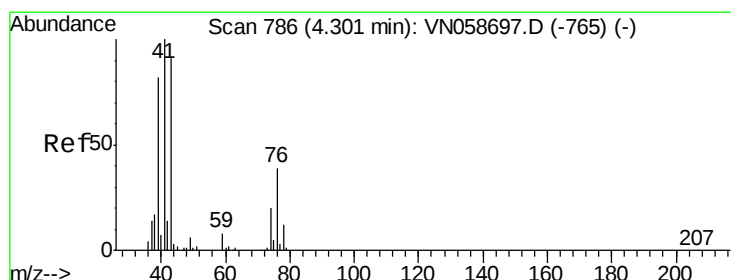
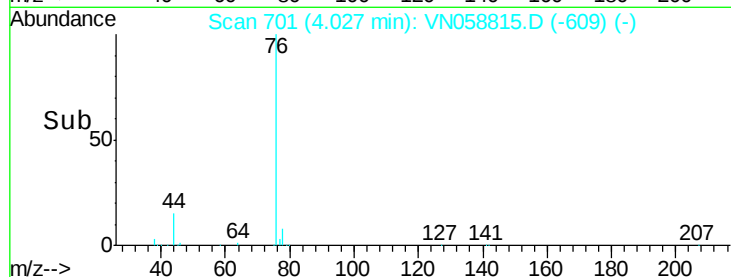
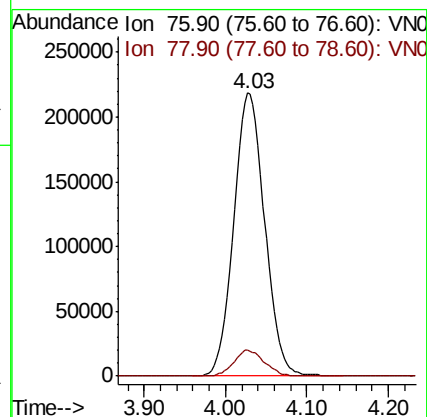
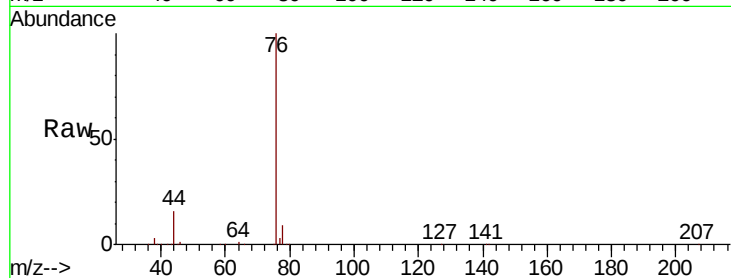
78 9.2 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 56.971 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058815.D

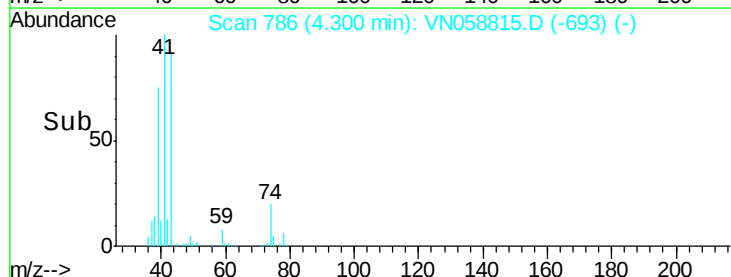
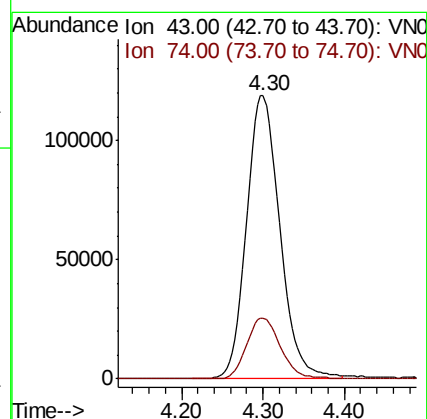
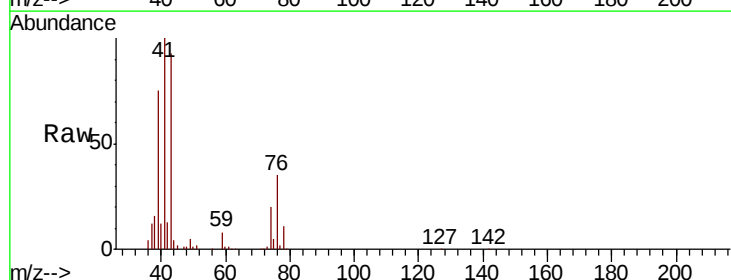
Acq: 17 Oct 2019 10:01

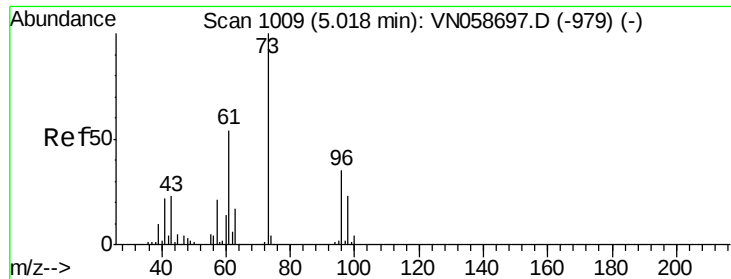
Tgt Ion: 43 Resp: 333528

Ion Ratio Lower Upper

43 100

74 22.0 17.2 25.8





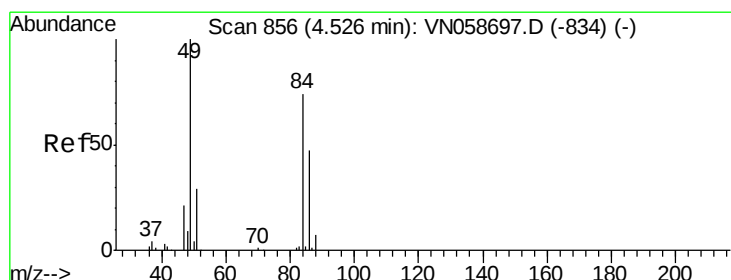
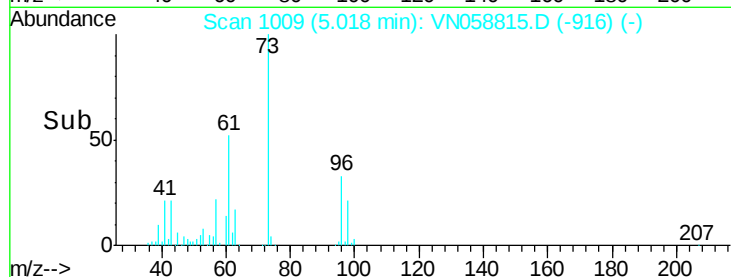
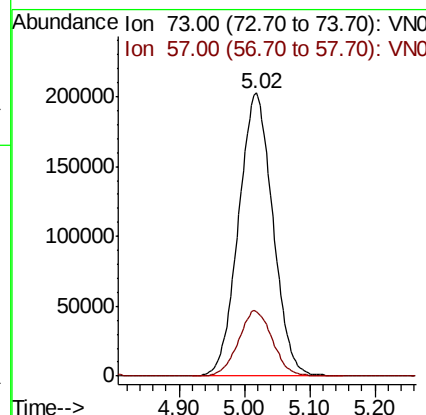
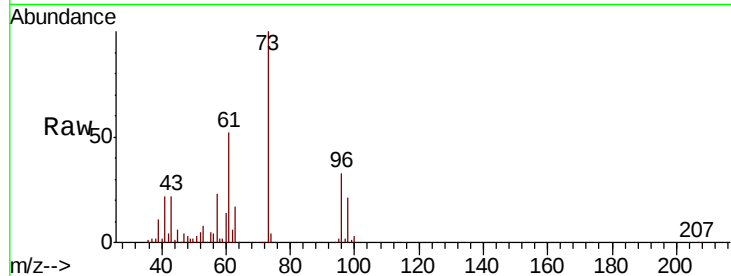
#19
Methvl tert-butvl Ether
Concen: 54.020 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 737682
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6

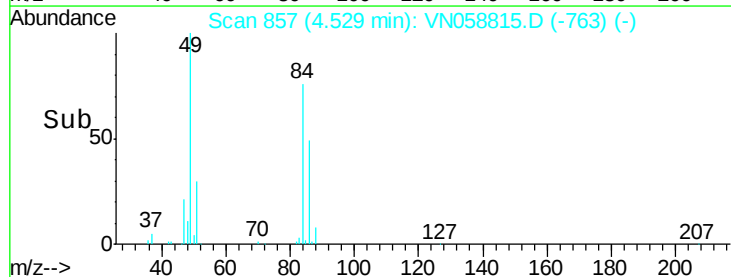
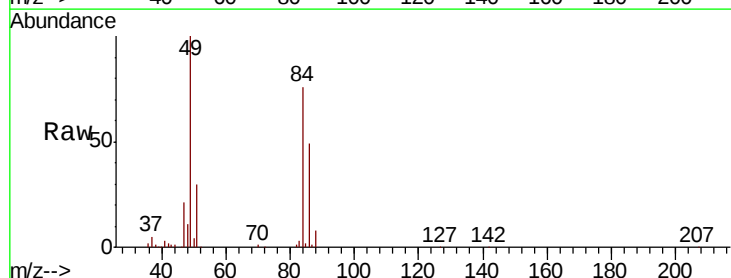
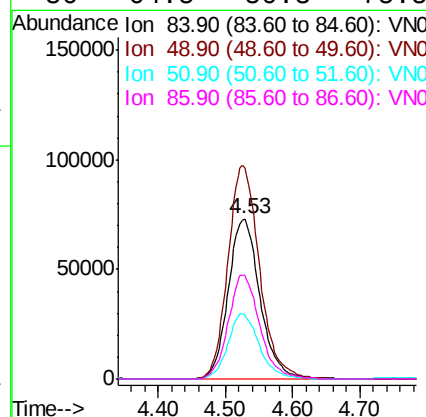
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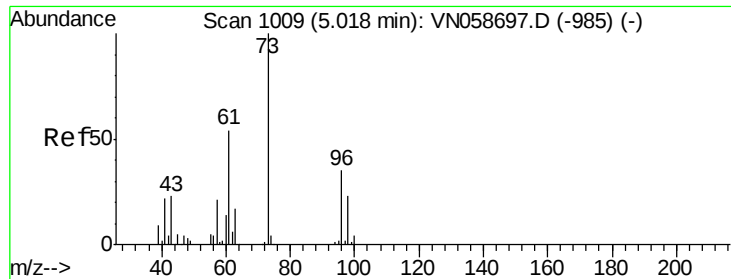
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#20
Methylene Chloride
Concen: 49.674 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 84 Resp: 239605
Ion Ratio Lower Upper
84 100
49 132.2 107.6 161.4
51 40.2 31.4 47.0
86 64.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.810 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

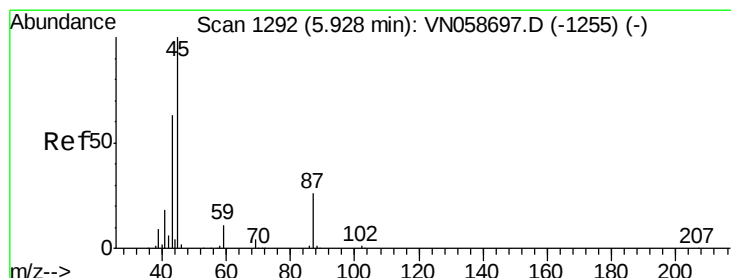
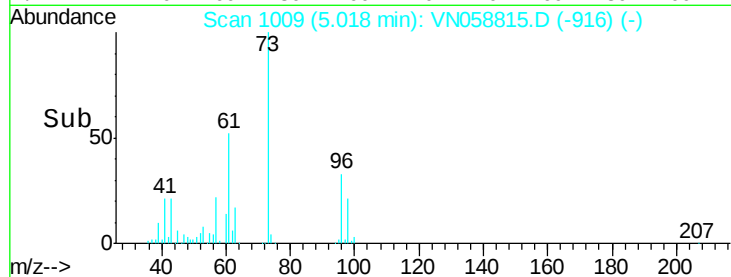
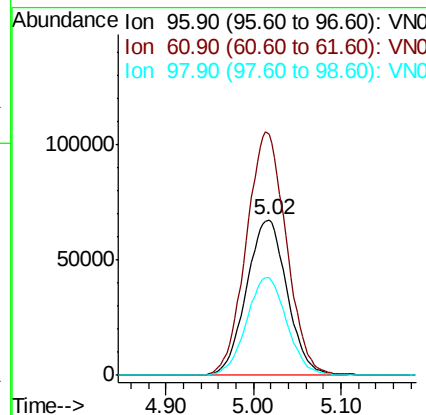
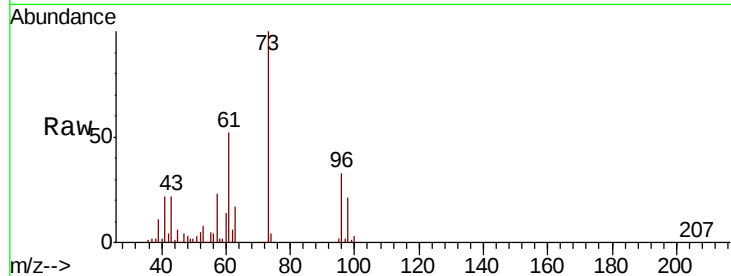
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	217350
Ion	Ratio	Lower	Upper
96	100		
61	154.9	123.6	185.4
98	62.5	52.1	78.1

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#22

Diisopropyl ether

Concen: 54.731 ug/l

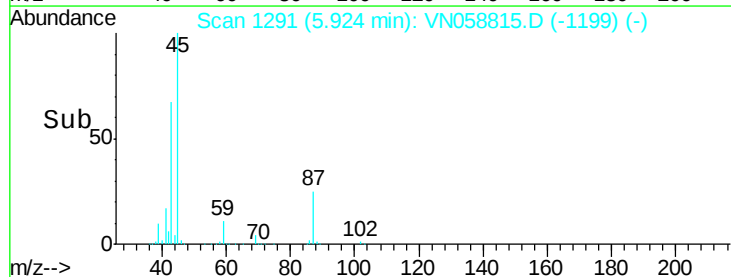
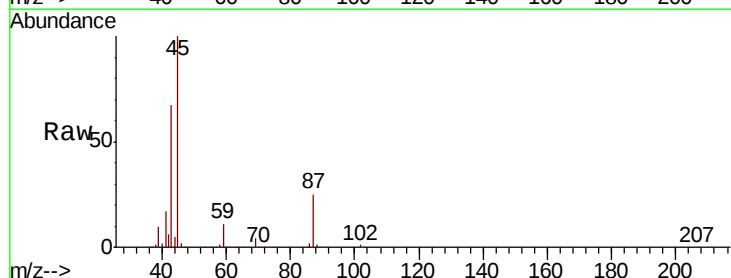
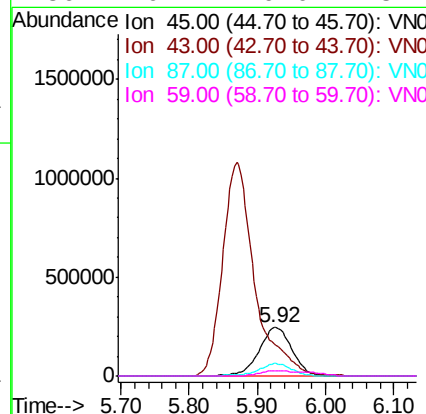
RT: 5.92 min Scan# 1291

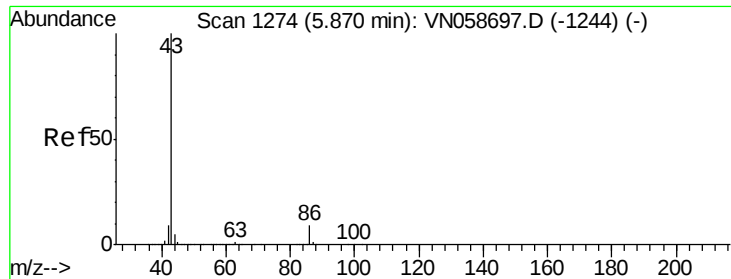
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	45	Resp:	821266
Ion	Ratio	Lower	Upper
45	100		
43	66.7	50.6	75.8
87	25.3	21.1	31.7
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 292.292 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3539076

Ion Ratio Lower Upper

43 100

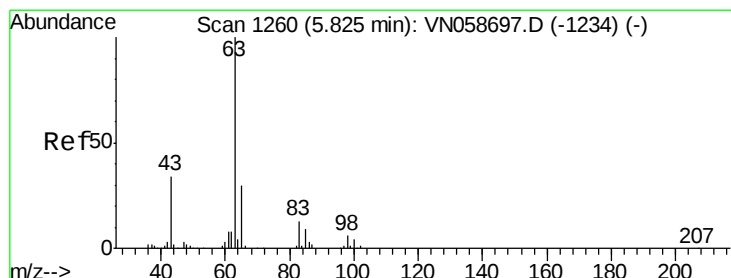
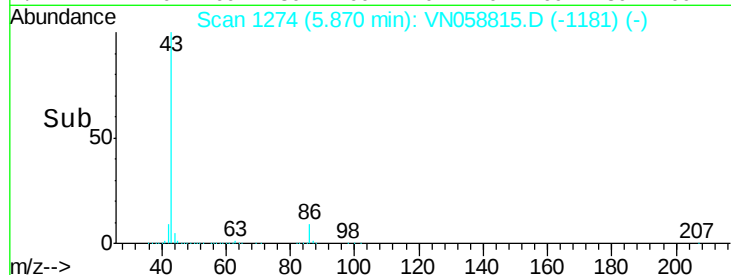
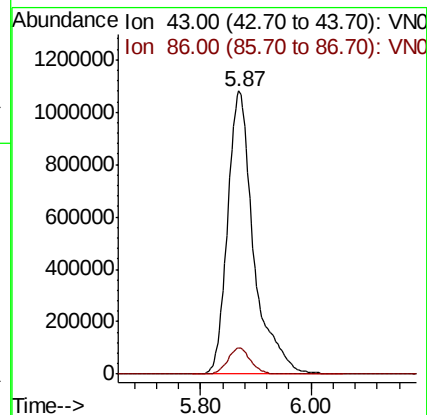
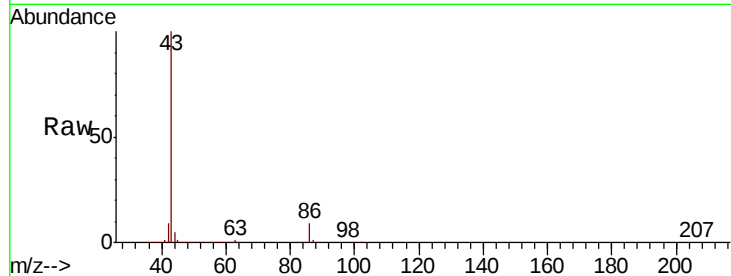
86 9.2 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 52.402 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

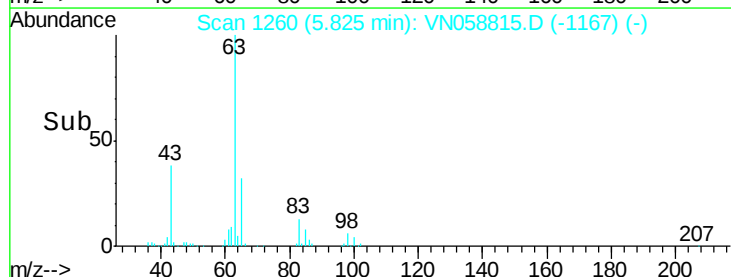
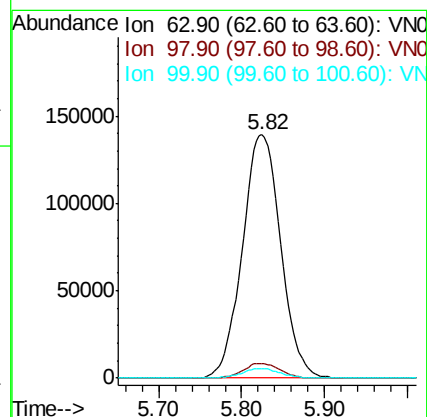
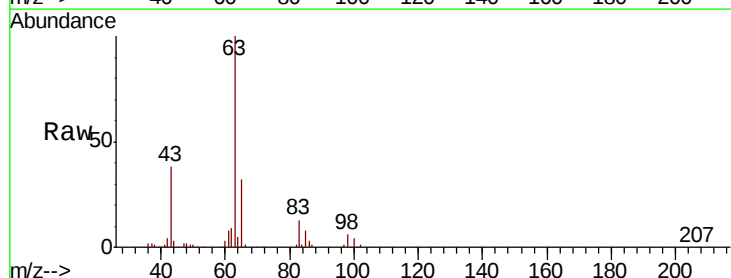
Tgt Ion: 63 Resp: 447833

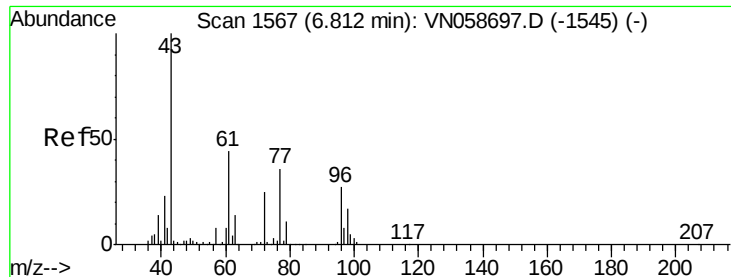
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 292.329 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 975189

Ion Ratio Lower Upper

43 100

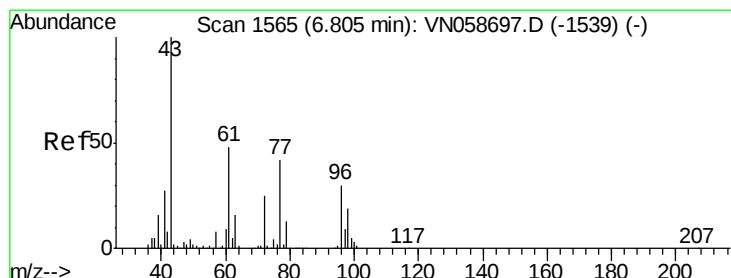
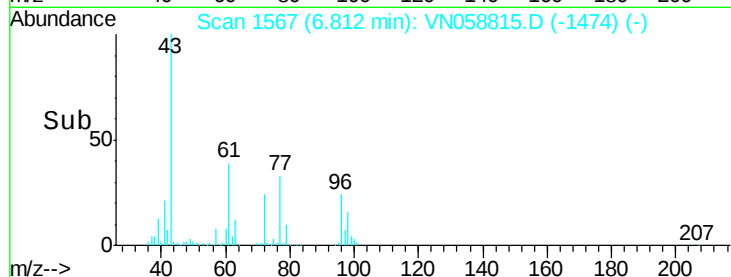
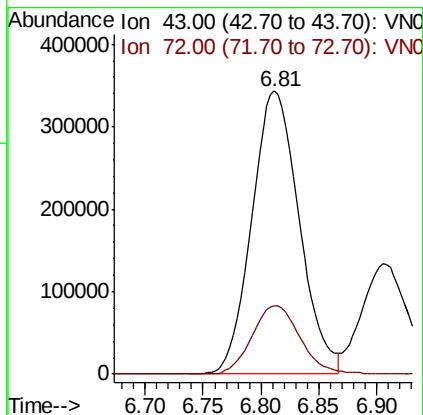
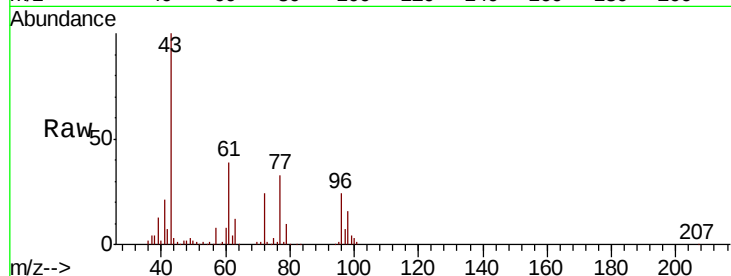
72 24.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.429 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058815.D

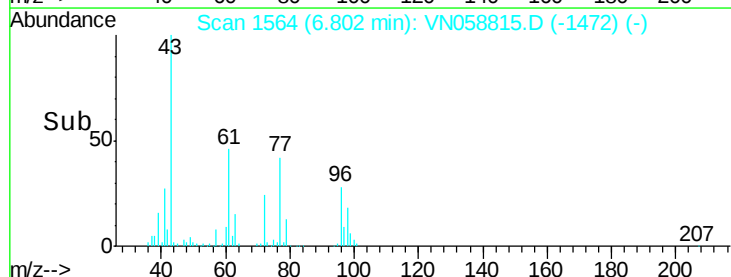
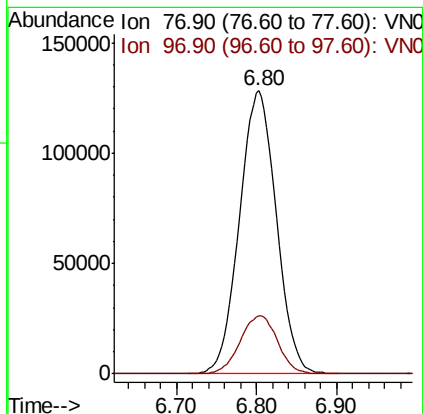
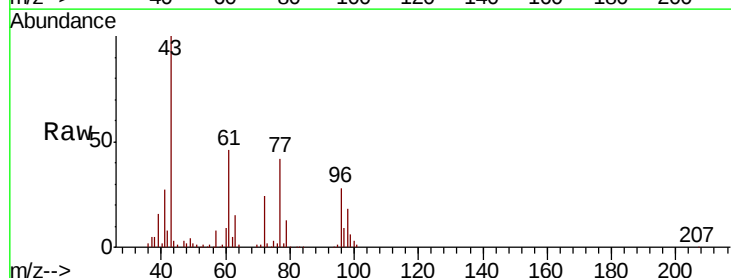
Acq: 17 Oct 2019 10:01

Tgt Ion: 77 Resp: 401213

Ion Ratio Lower Upper

77 100

97 20.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.265 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

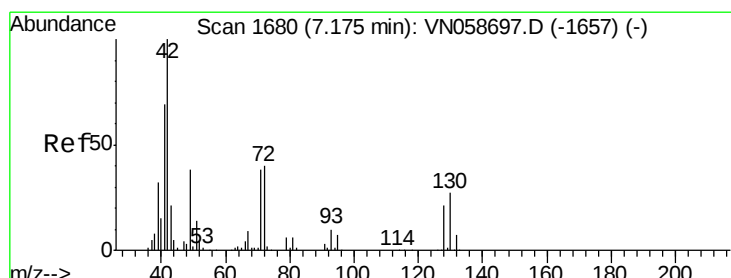
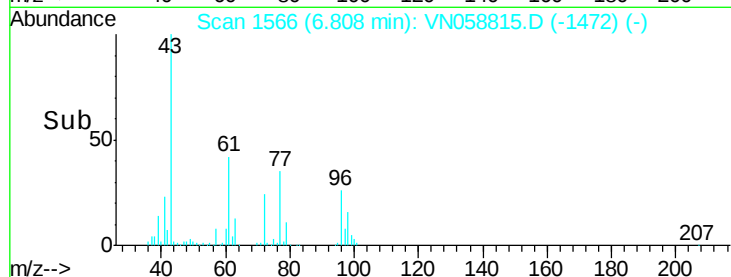
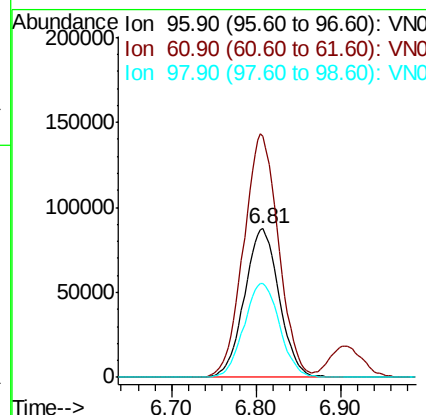
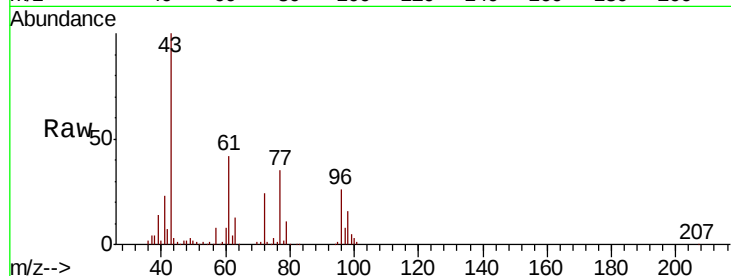
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	250736
Ion Ratio	Lower	Upper	
96	100		
61	164.3	0.0	324.8
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 52.883 ug/l

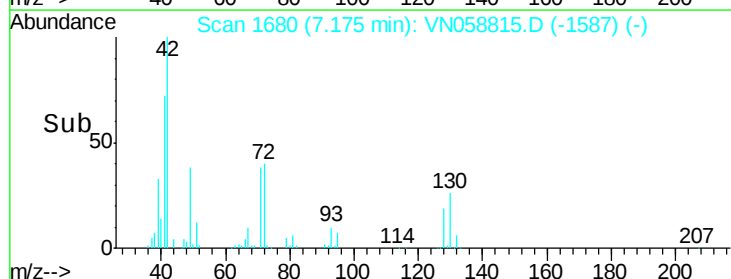
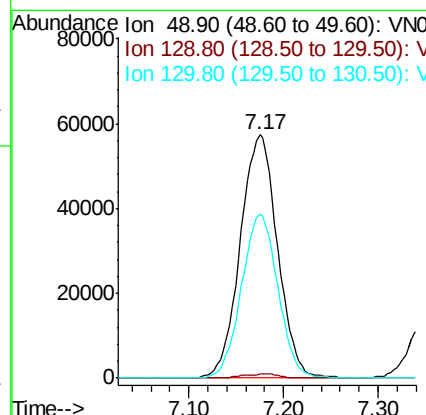
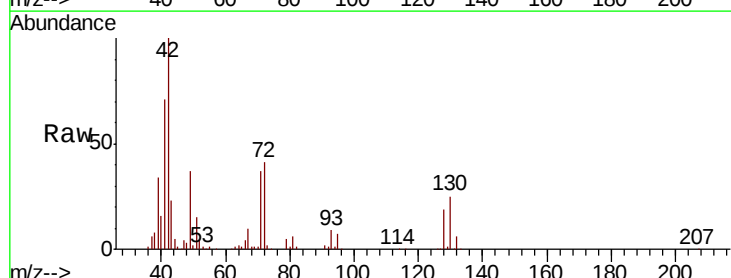
RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	49	Resp:	157229
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	65.7	55.0	82.4





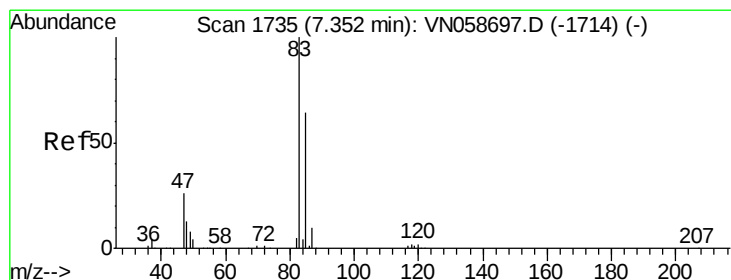
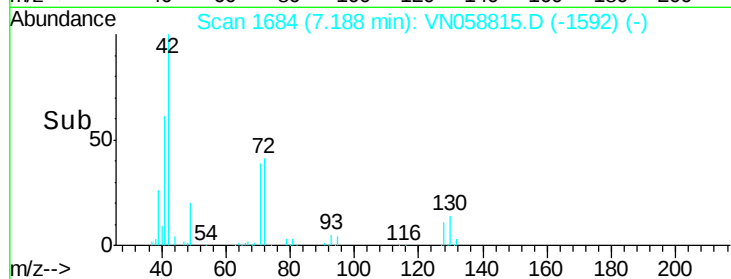
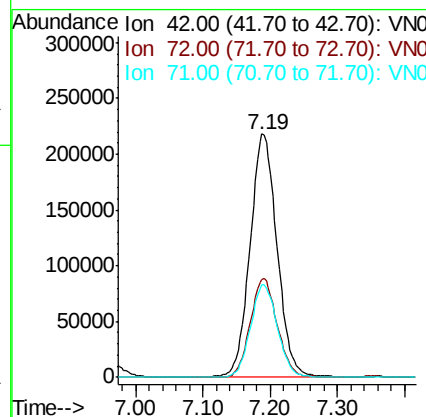
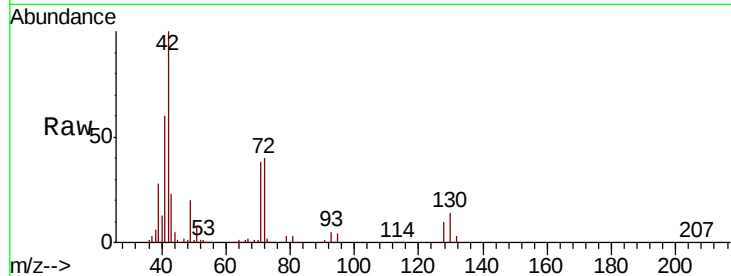
#29
Tetrahydrofuran
Concen: 281.945 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.8	49.2
71	37.9	31.1	46.7

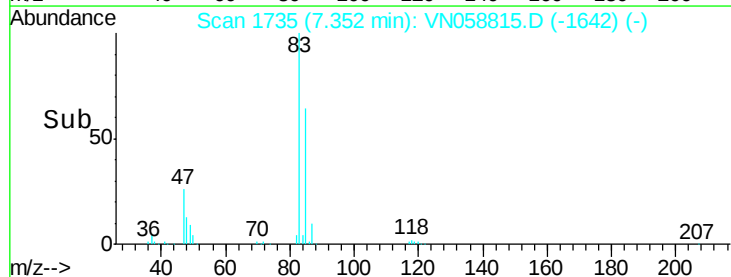
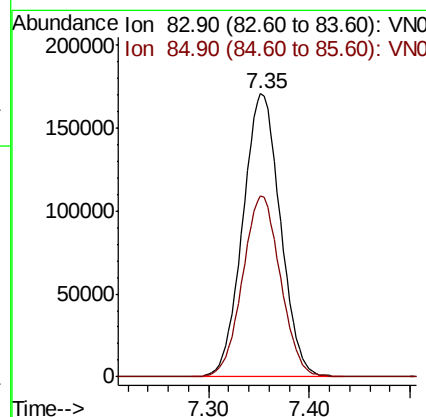
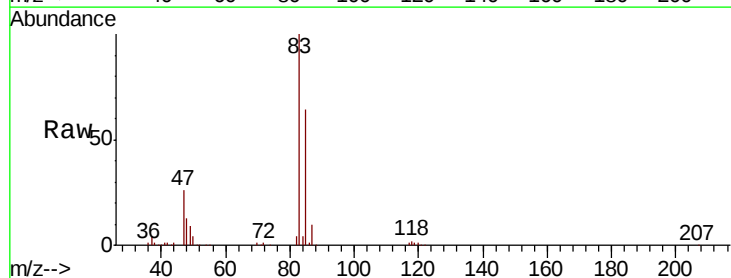
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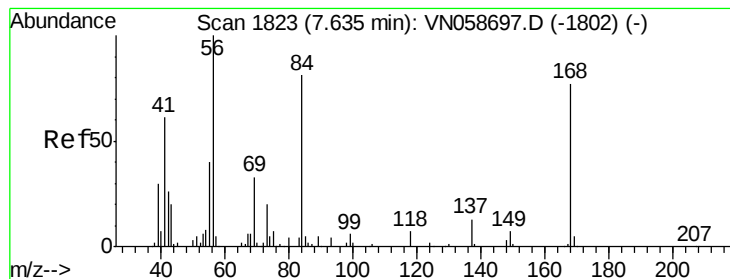
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#30
Chloroform
Concen: 51.323 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.6





#31

Cyclohexane

Concen: 48.638 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 397719

Ion Ratio Lower Upper

56 100

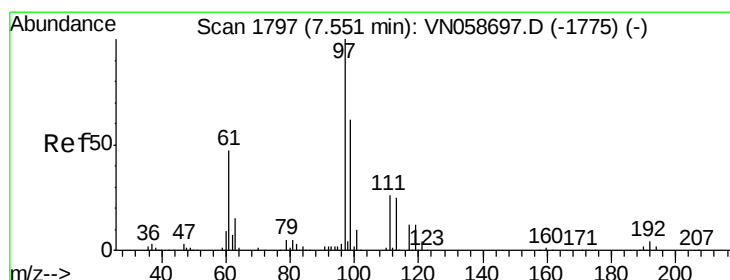
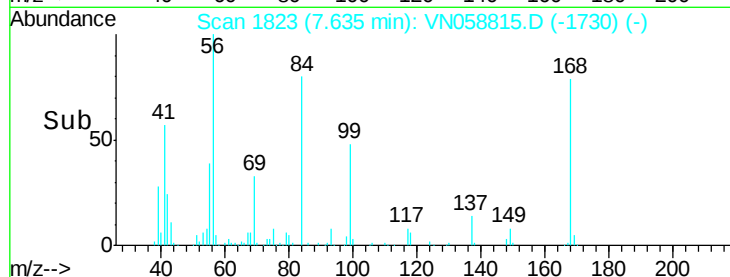
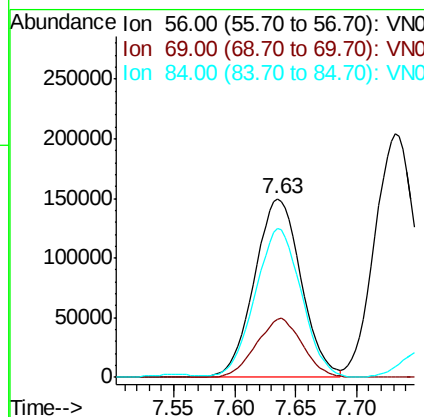
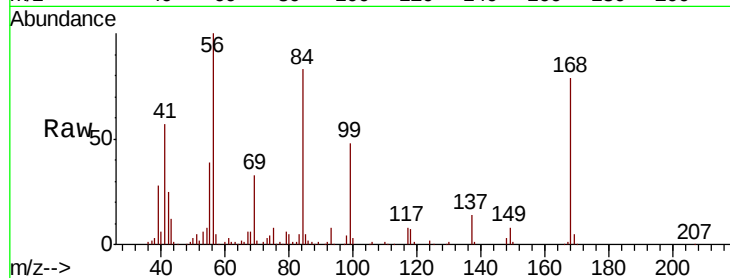
69 32.6 26.2 39.4

84 82.1 64.9 97.3

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#32

1,1,1-Trichloroethane

Concen: 52.895 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

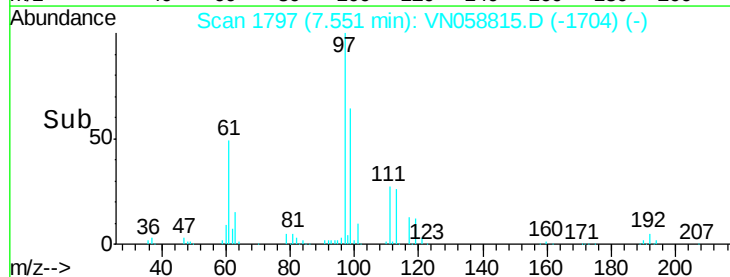
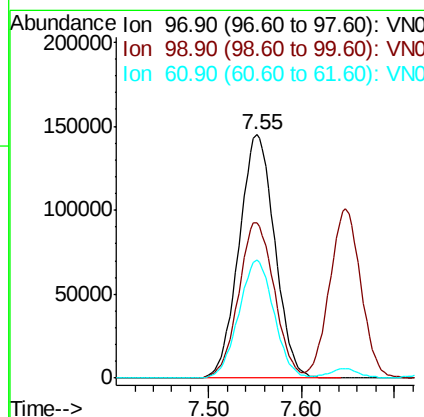
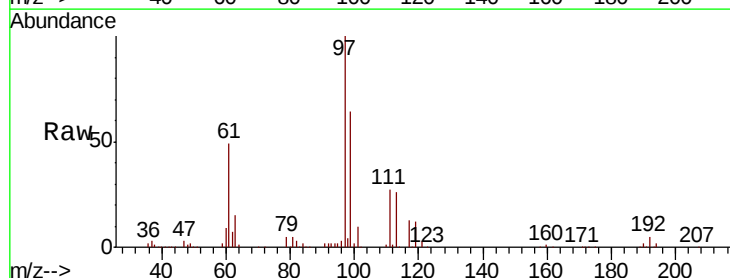
Tgt Ion: 97 Resp: 387332

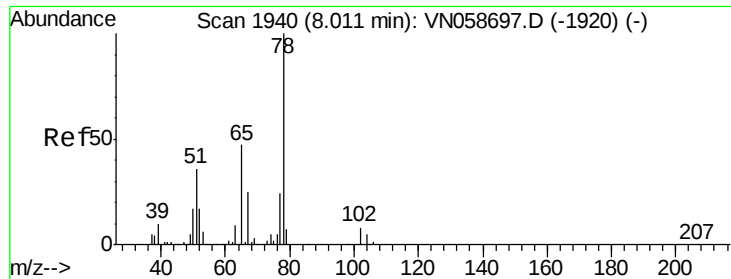
Ion Ratio Lower Upper

97 100

99 63.8 50.8 76.2

61 47.9 38.1 57.1





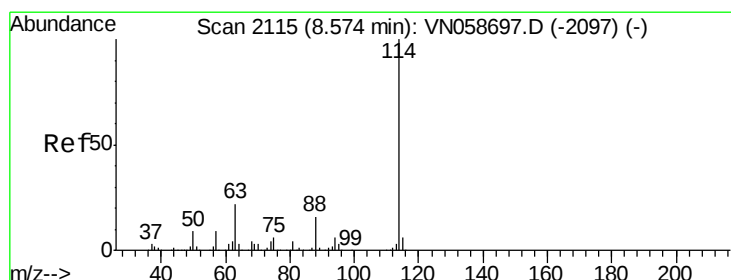
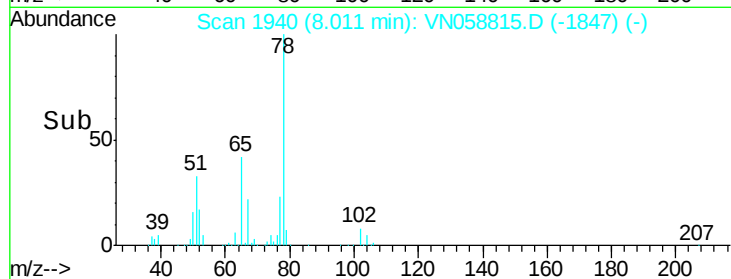
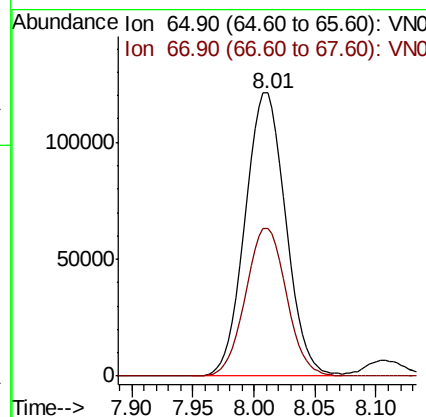
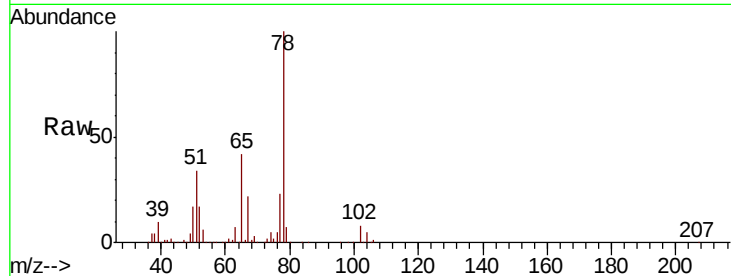
#33
 1,2-Dichloroethane-d4
 Concen: 50.243 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	280100		
67	52.4	0.0	103.8	

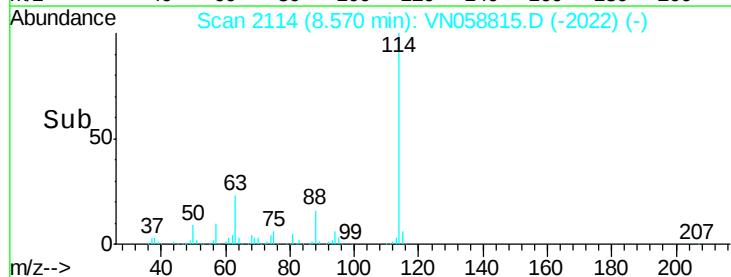
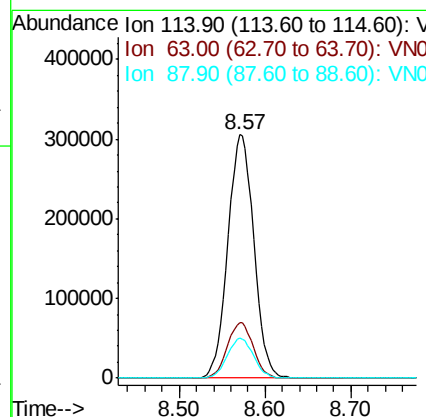
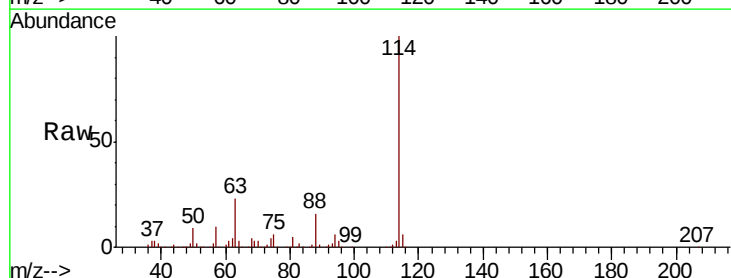
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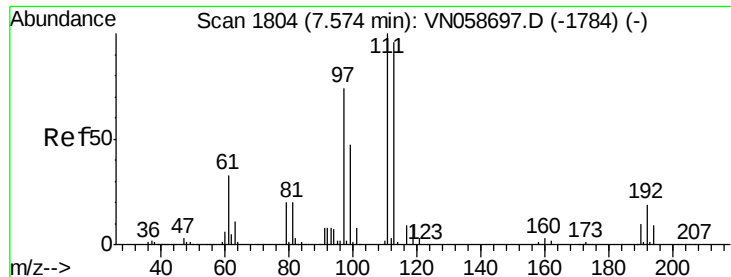
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	641105		
63	22.8	0.0	43.8	
88	16.4	0.0	32.0	





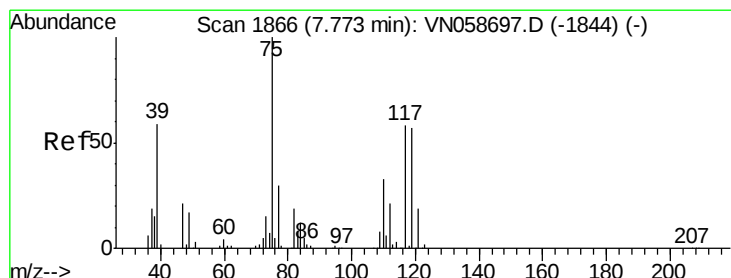
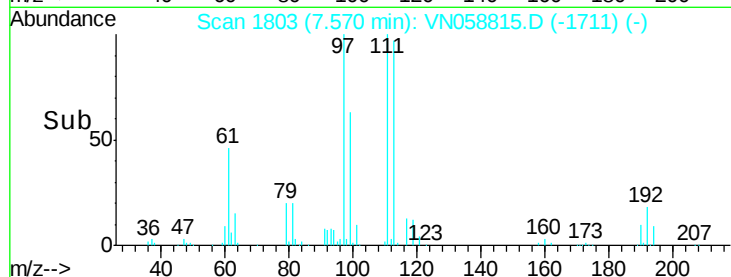
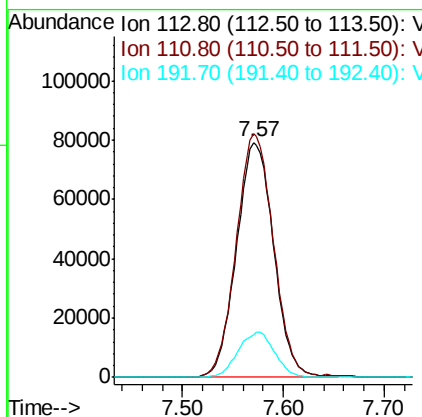
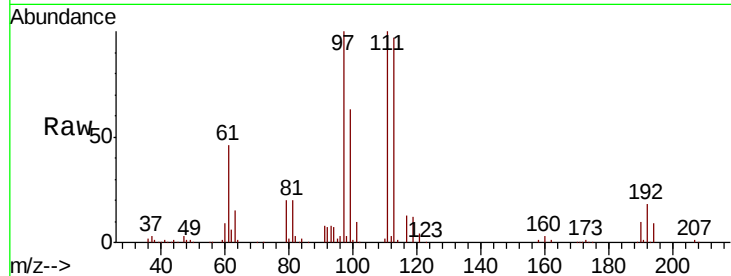
#35
 Dibromofluoromethane
 Concen: 51.089 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202311		
111	103.5	82.3	123.5	
192	18.8	15.0	22.6	

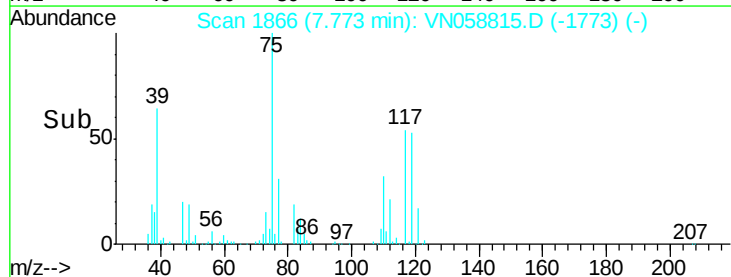
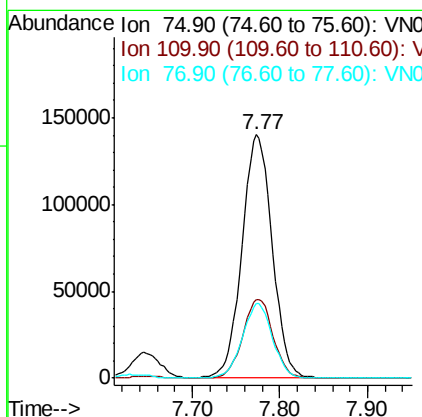
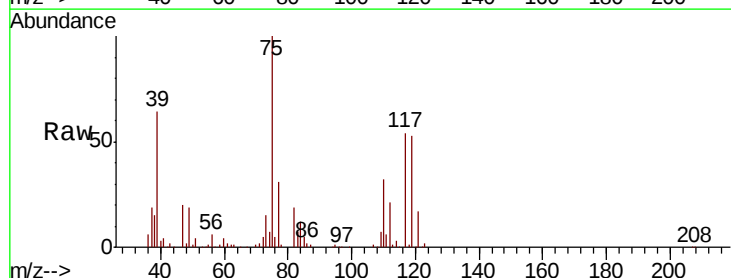
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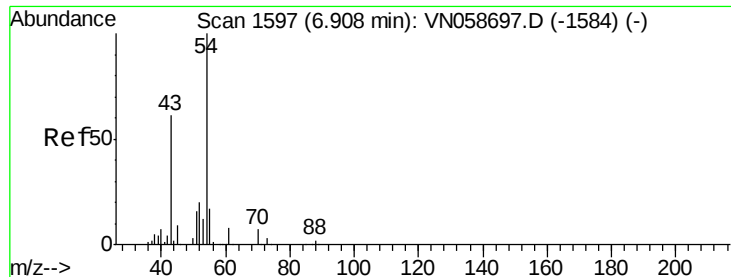
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#36
 1,1-Dichloropropene
 Concen: 51.649 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	334791		
110	32.6	16.6	49.8	
77	30.7	24.6	37.0	





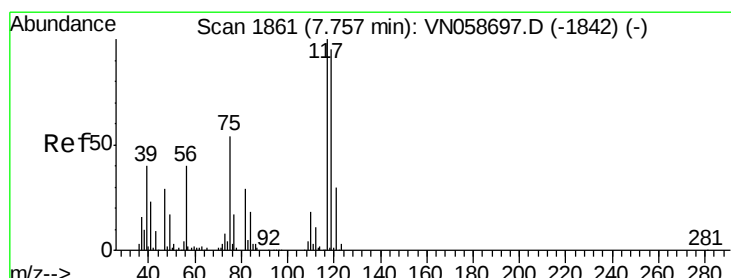
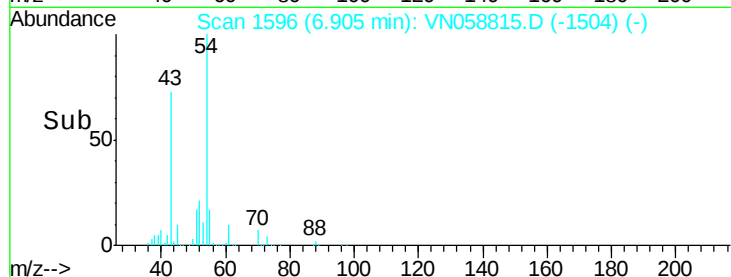
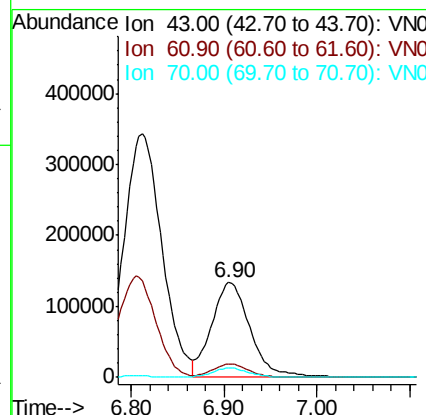
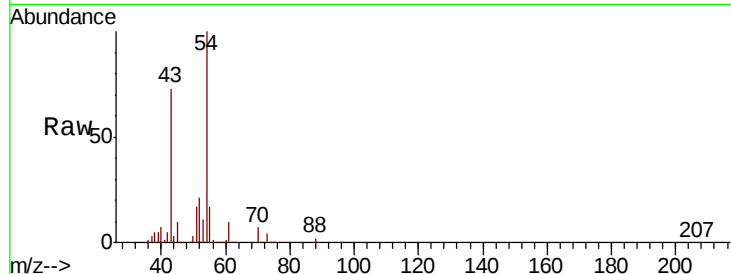
#37
Ethyl Acetate
Concen: 57.988 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	9.4	7.2	10.8

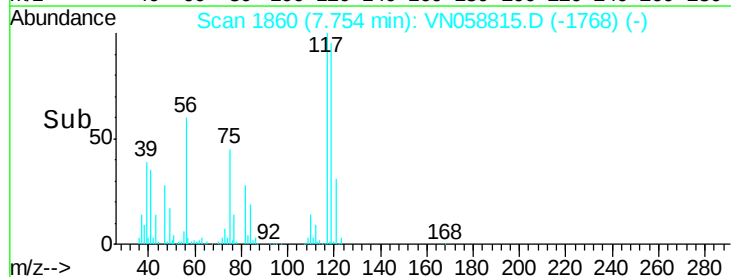
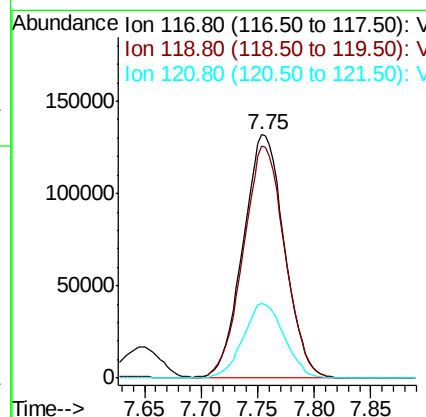
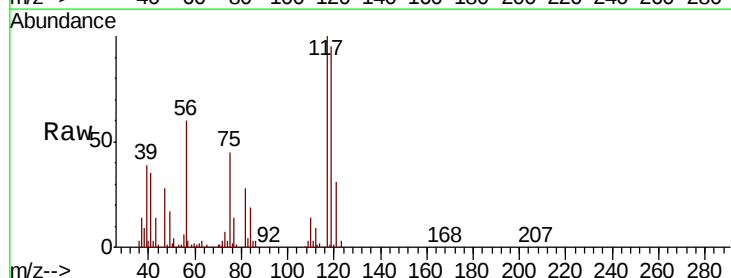
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#38
Carbon Tetrachloride
Concen: 52.994 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.7	113.5
121	30.8	23.9	35.9





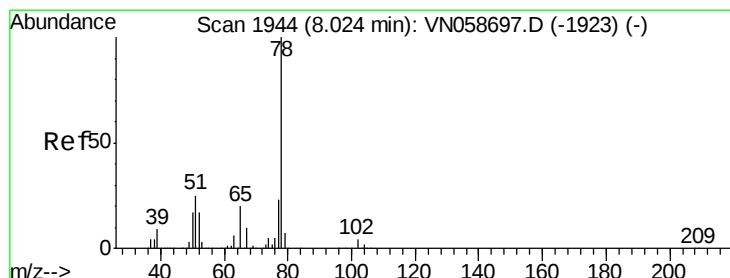
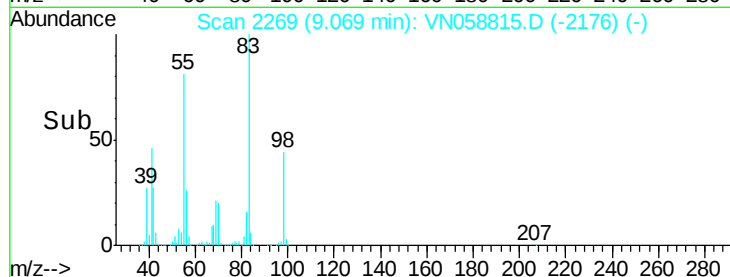
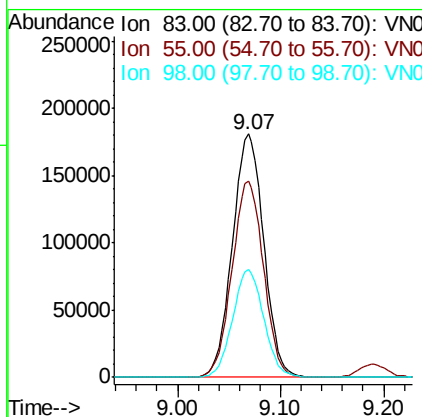
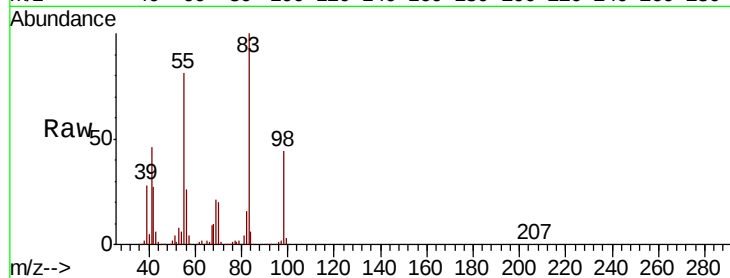
#39
Methvlcvclohexane
Concen: 50.950 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	63.4	95.0
98	44.3	35.1	52.7

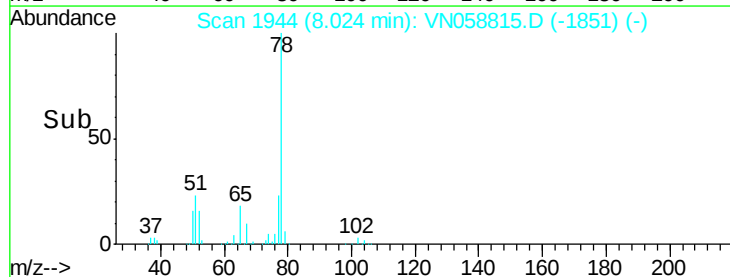
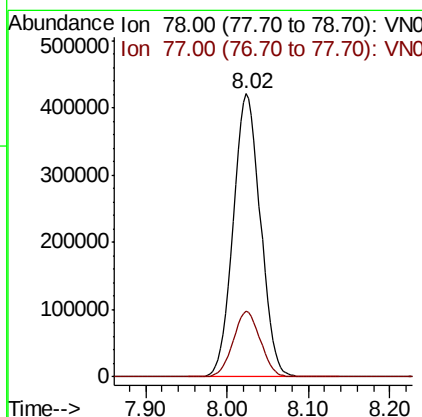
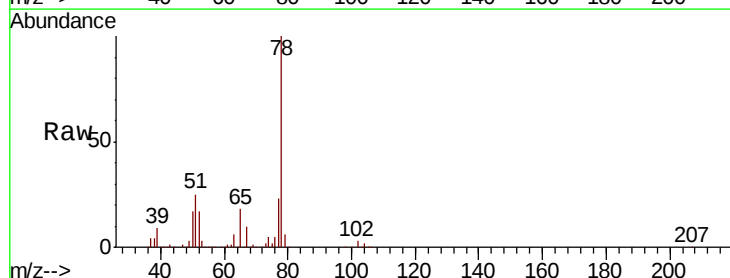
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#40
Benzene
Concen: 52.521 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





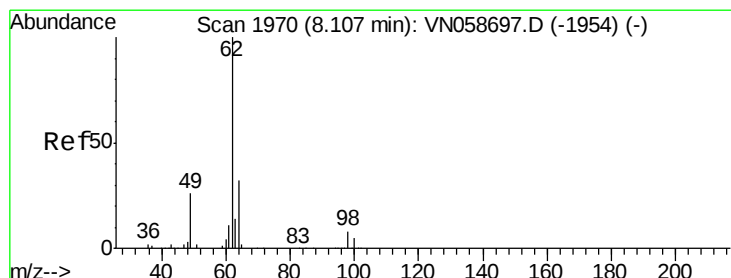
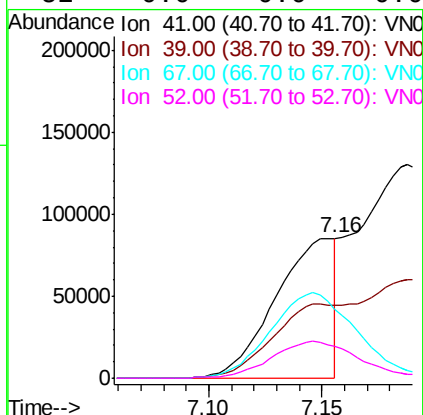
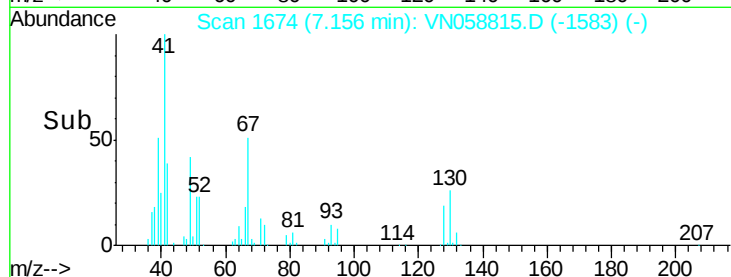
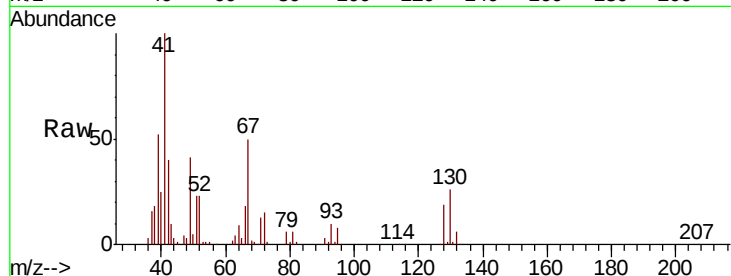
#41
Methacrylonitrile
Concen: 51.328 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

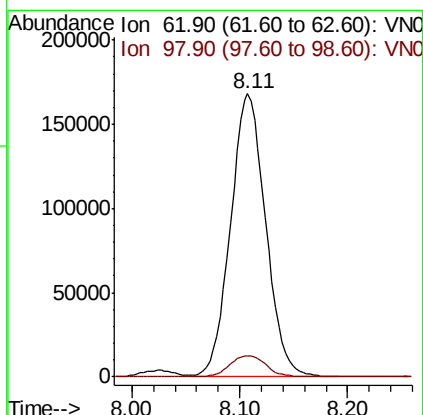
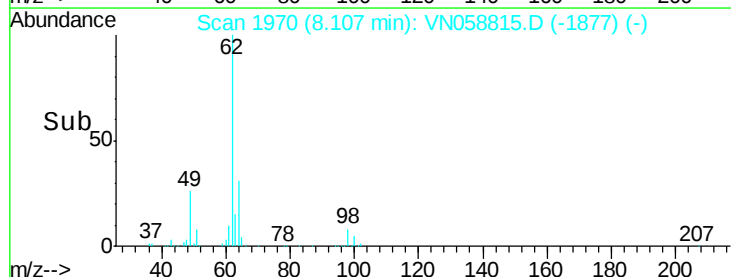
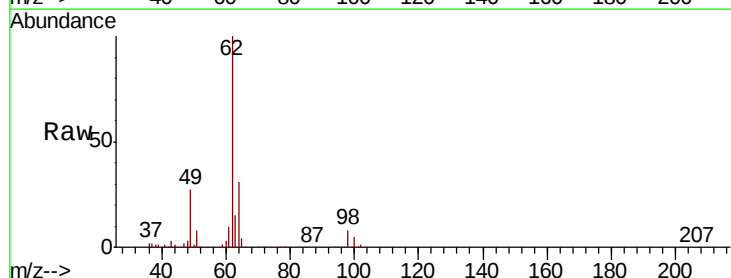
Manual Integrations
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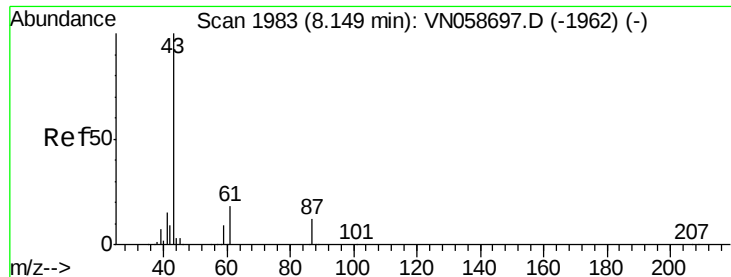
MMDadoda
10/18/2019 3:25:50 PM



#42
1,2-Dichloroethane
Concen: 52.924 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	15.8	





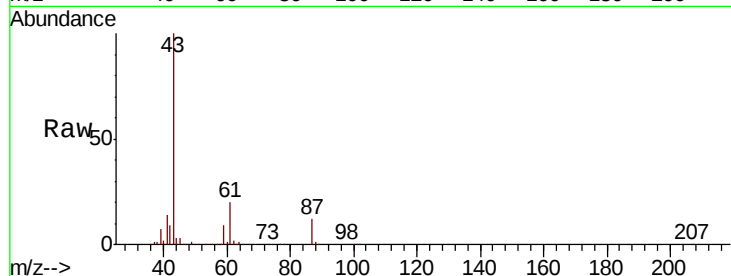
#43
Isopropyl Acetate
Concen: 54.643 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

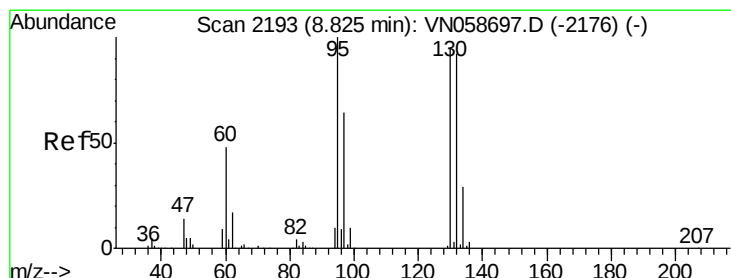
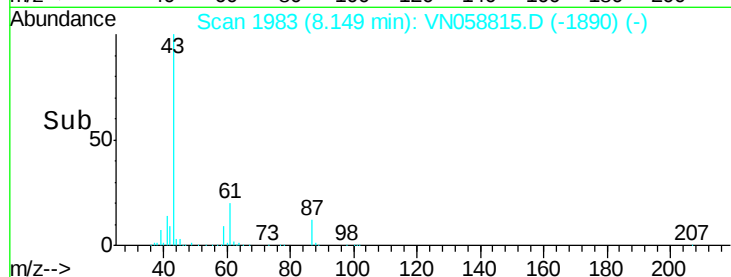
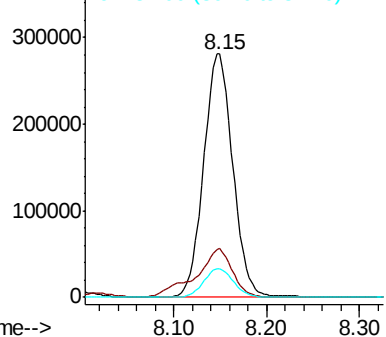
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.3	30.5
87	12.0	9.8	14.6

Manual Integrations
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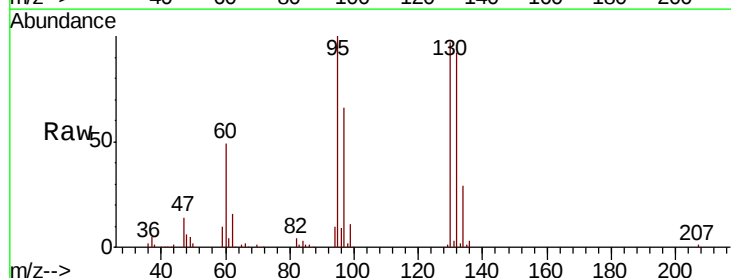


Abundance Ion 43.00 (42.70 to 43.70): VN058815.D (-1890) (-)
Ion 61.00 (60.70 to 61.70): VN058815.D (-1890) (-)
Ion 87.00 (86.70 to 87.70): VN058815.D (-1890) (-)

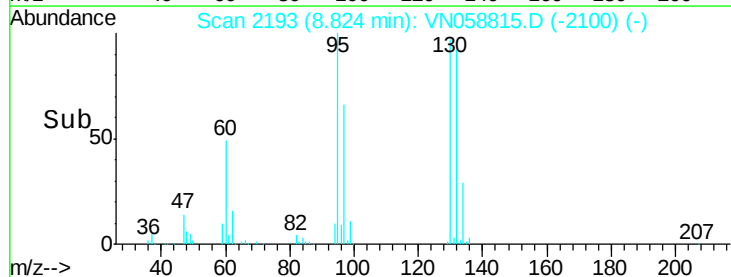
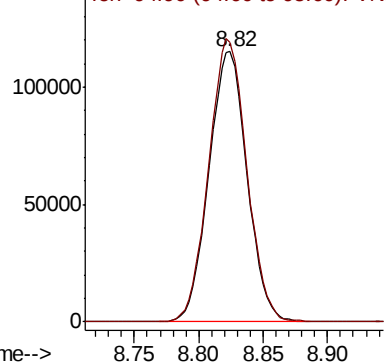


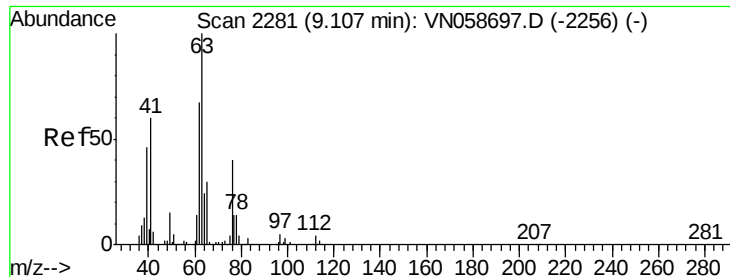
#44
Trichloroethene
Concen: 51.425 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058815.D (-2100) (-)
Ion 94.90 (94.60 to 95.60): VN058815.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 53.997 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 269098

Ion Ratio Lower Upper

63 100

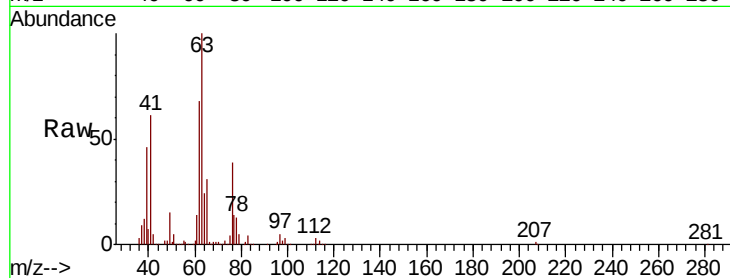
65 30.7 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN058815.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058815.D (-2188) (-)

9.11

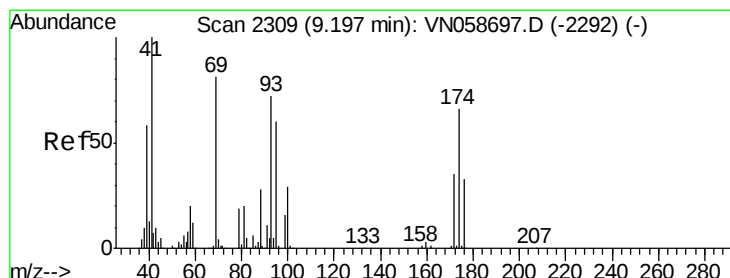
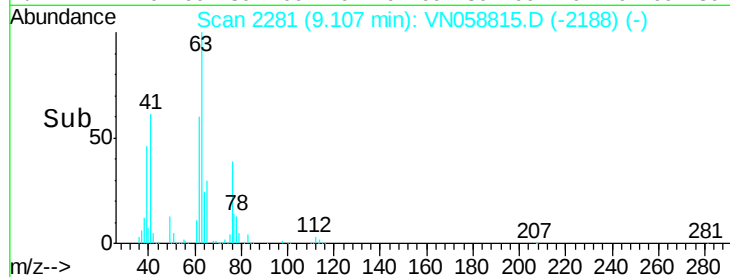
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 53.127 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

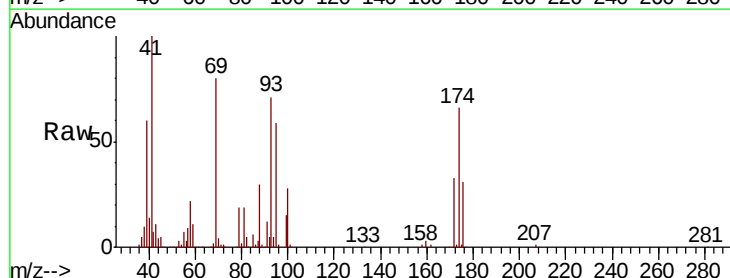
Tgt Ion: 93 Resp: 167864

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

174 93.9 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058815.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058815.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058815.D (-2216) (-)

9.20

100000

80000

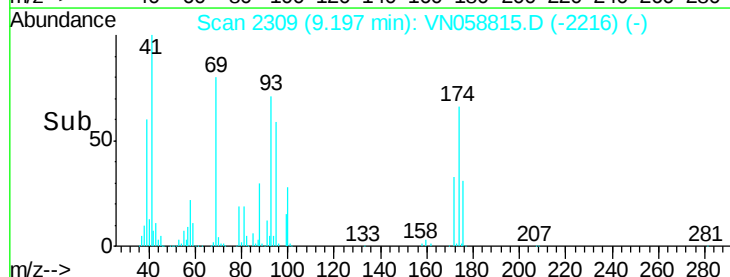
60000

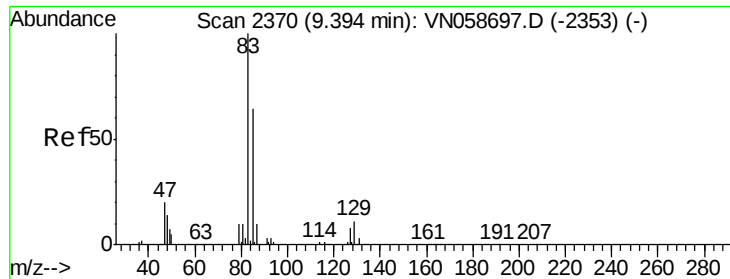
40000

20000

0

Time-->





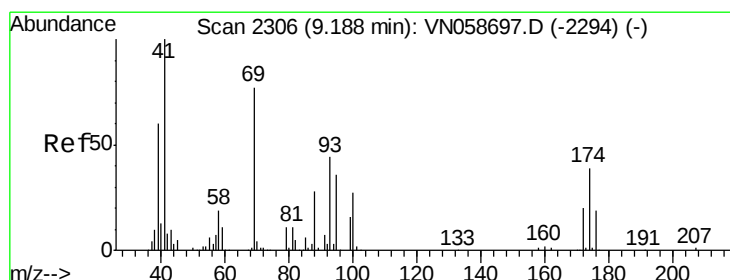
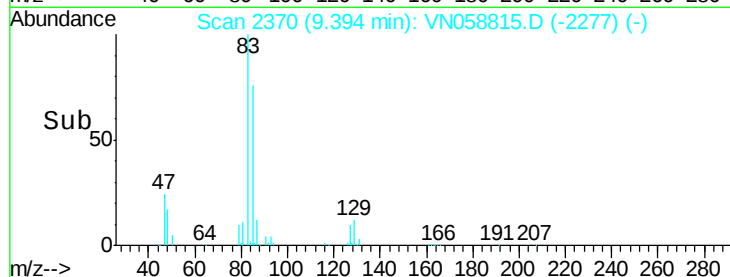
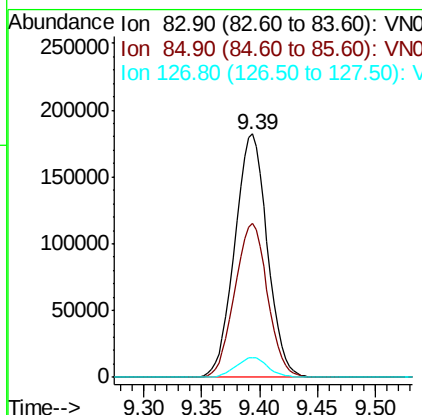
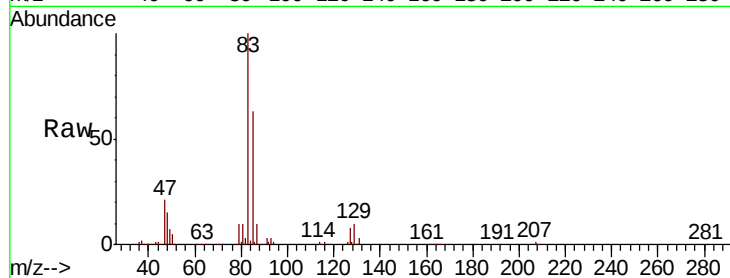
#47
Bromodichloromethane
Concen: 55.152 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.9	76.3
127	8.2	6.3	9.5

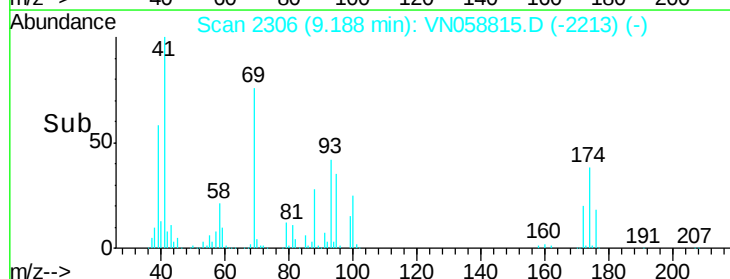
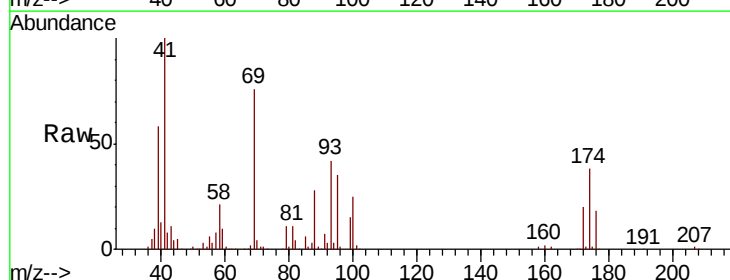
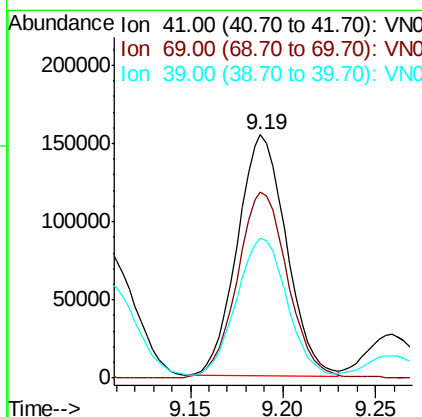
Manual Integrations
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#48
Methyl methacrylate
Concen: 55.984 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.7	63.4	95.2
39	60.7	48.9	73.3





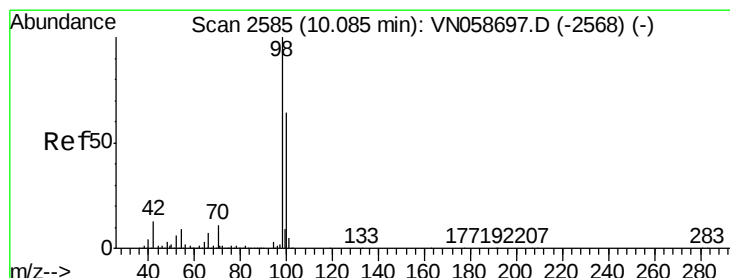
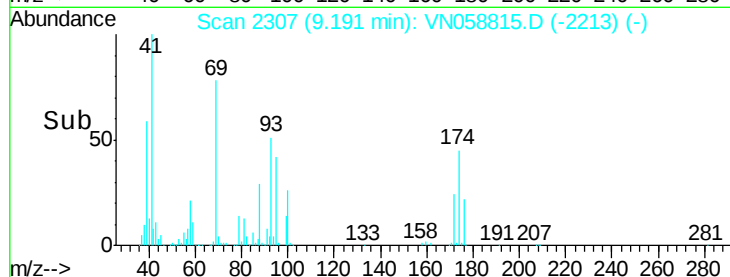
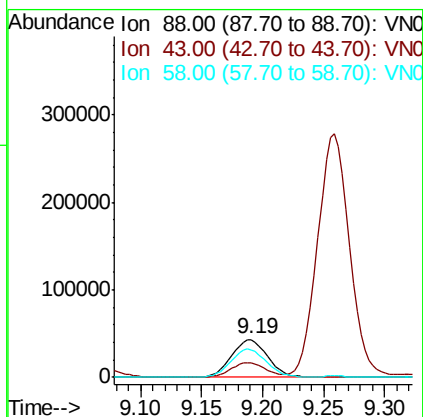
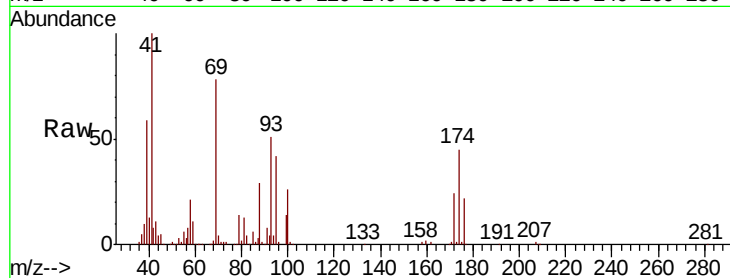
#49
1,4-Dioxane
Concen: 1123.438 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.6	43.0
58	74.8	57.2	85.8

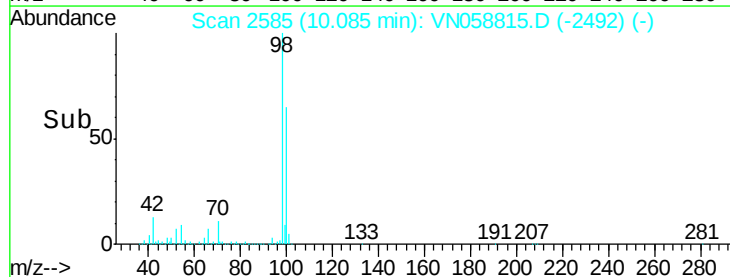
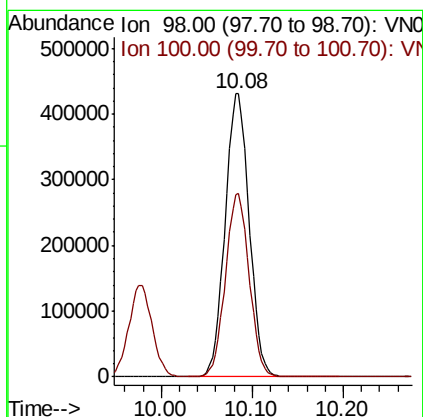
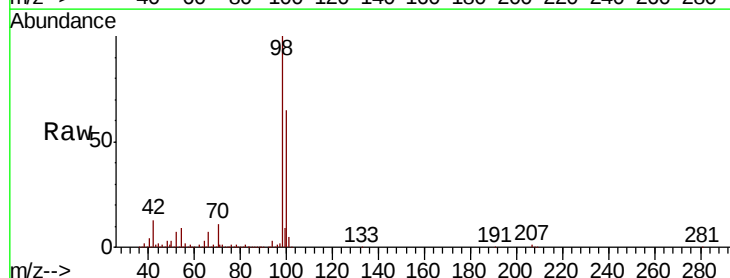
Manual Integrations
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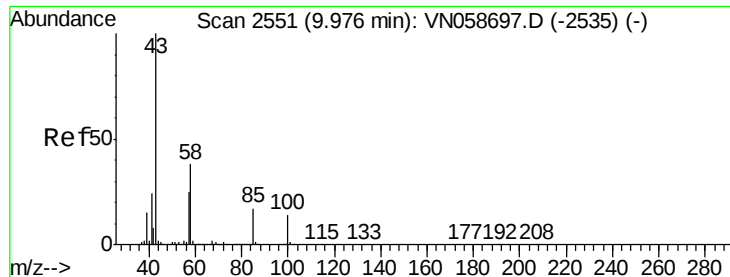
MMDadoda
10/18/2019 3:25:50 PM



#50
Toluene-d8
Concen: 50.037 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 305.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1918231

Ion Ratio Lower Upper

43 100

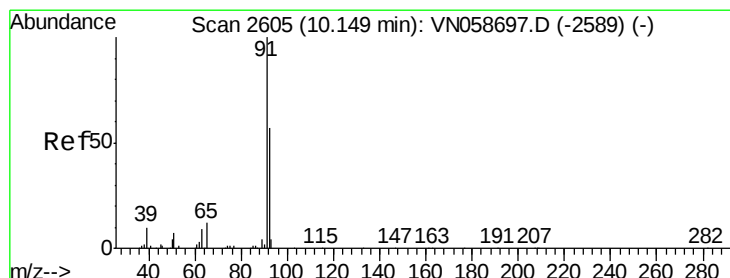
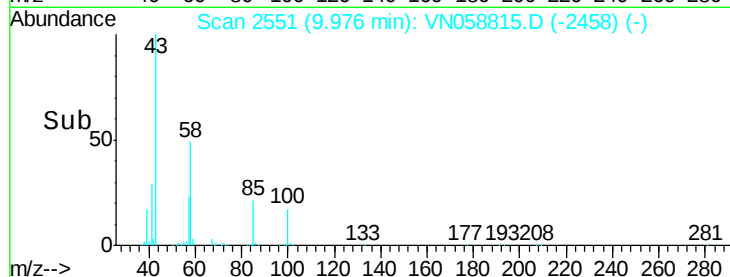
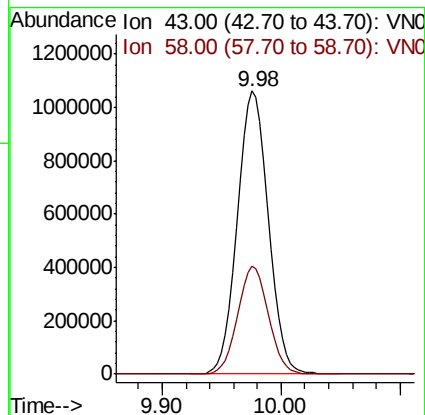
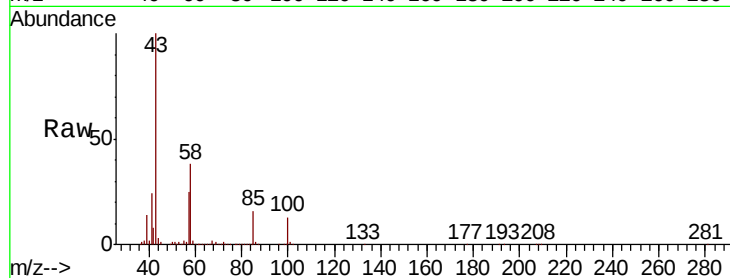
58 37.6 30.3 45.5

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#52

Toluene

Concen: 52.236 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058815.D

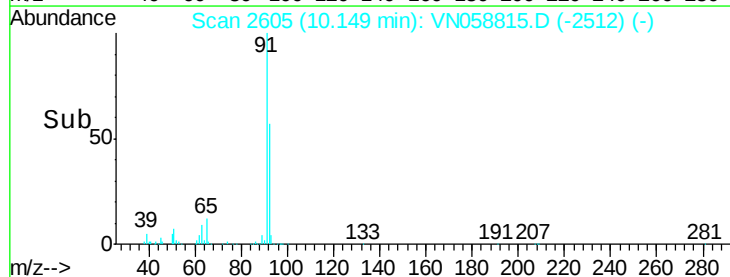
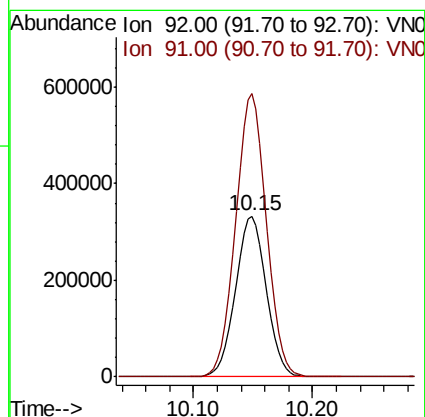
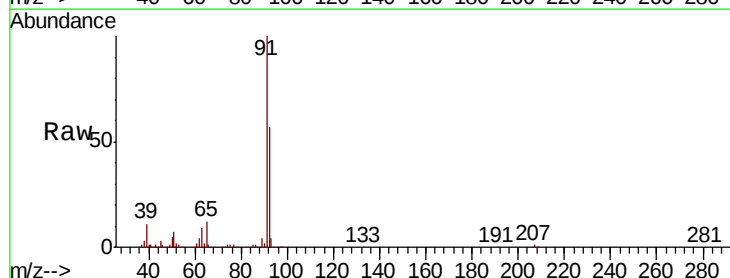
Acq: 17 Oct 2019 10:01

Tgt Ion: 92 Resp: 594760

Ion Ratio Lower Upper

92 100

91 176.3 139.1 208.7





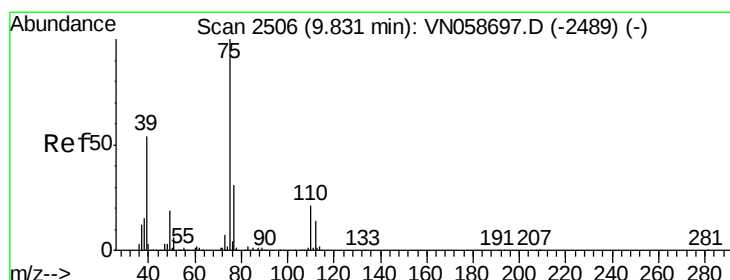
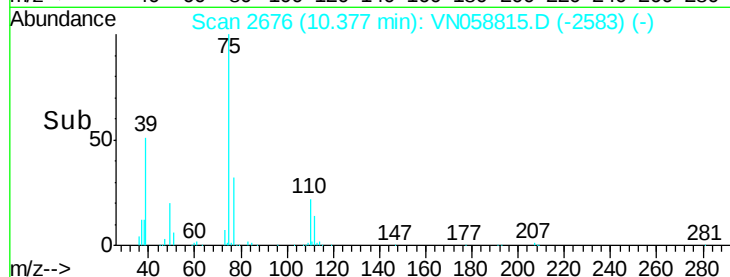
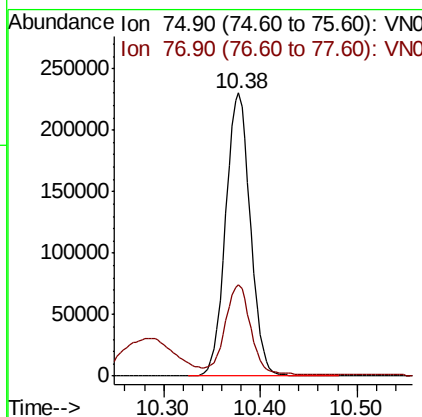
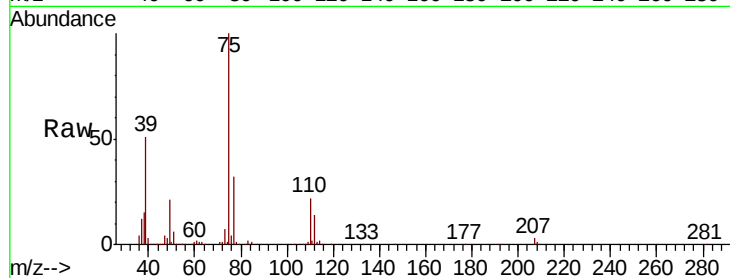
#53
t-1,3-Dichloropropene
Concen: 55.136 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.4

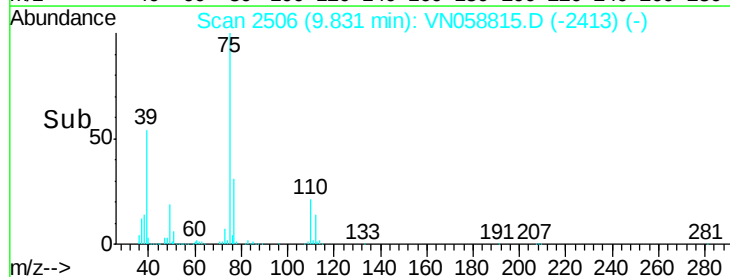
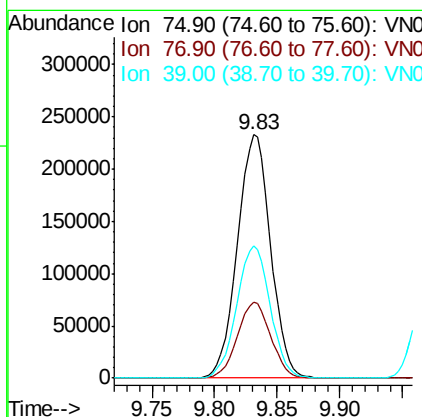
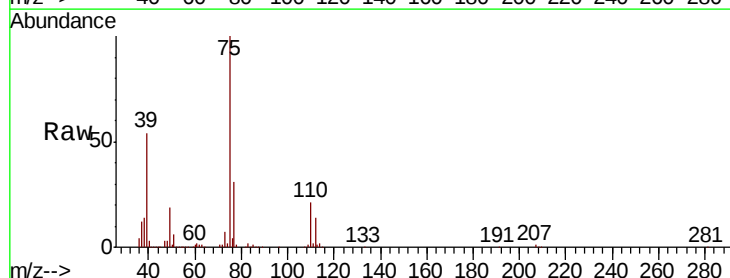
Manual Integrations
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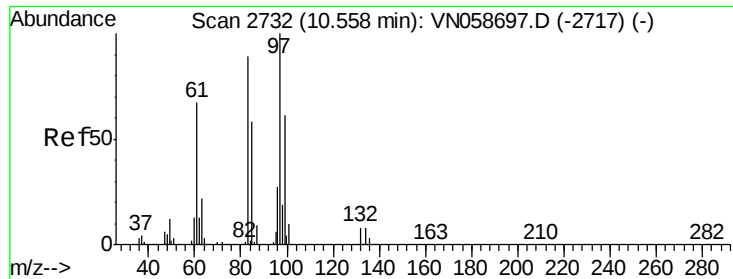
MMDadoda
10/18/2019 3:25:50 PM



#54
cis-1,3-Dichloropropene
Concen: 54.773 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6
39	54.1	43.1	64.7





#55

1,1,2-Trichloroethane

Concen: 50.799 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

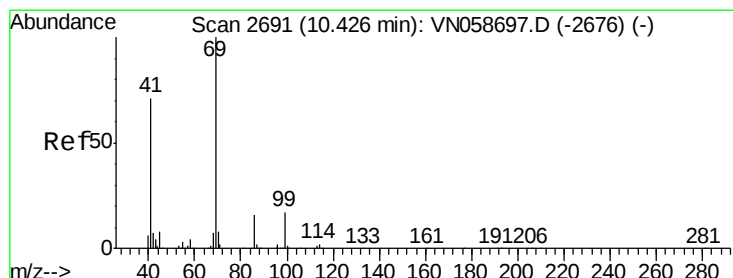
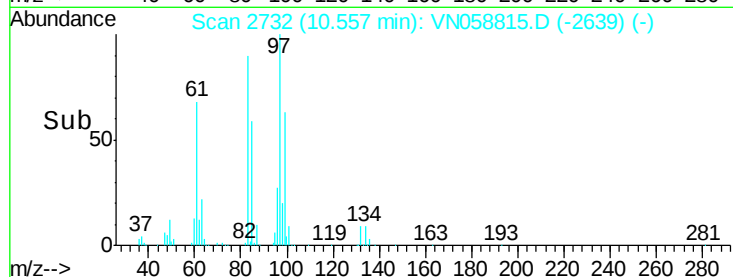
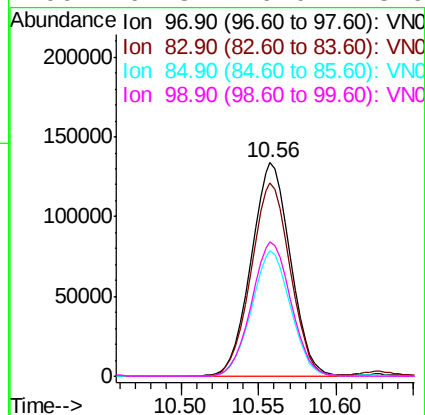
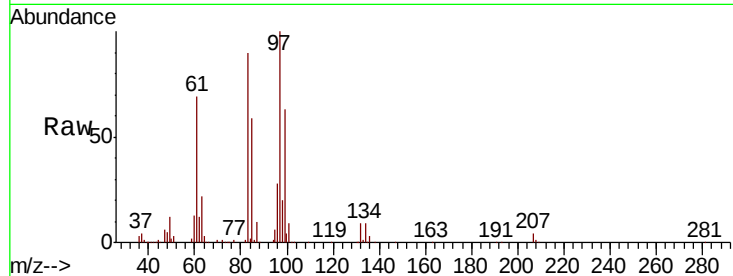
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	236735
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.2	106.8
85	58.8	46.7	70.1
99	62.8	49.0	73.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 57.855 ug/l

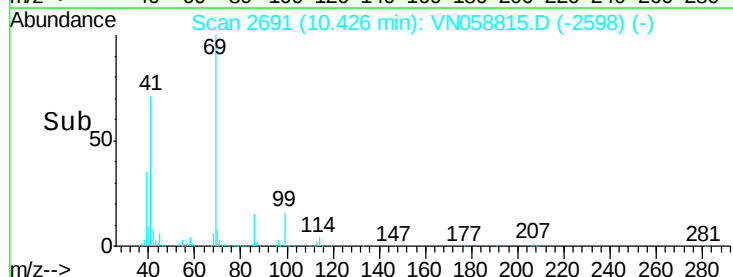
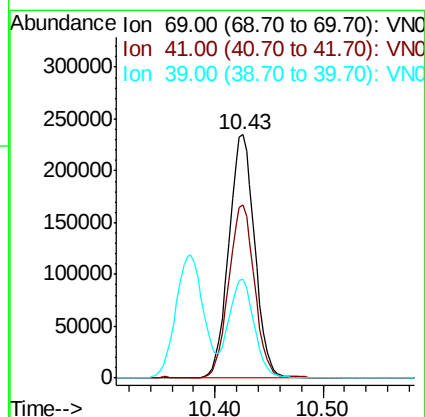
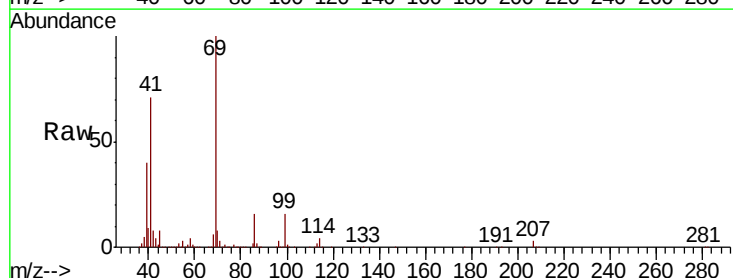
RT: 10.43 min Scan# 2691

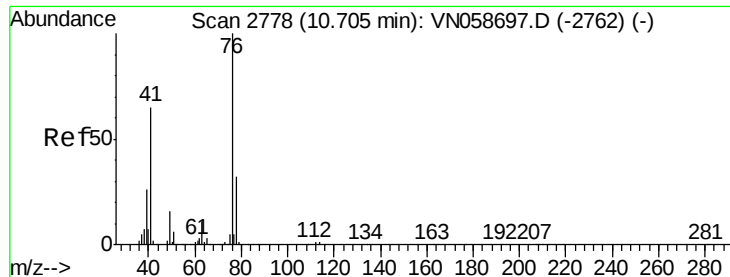
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	69	Resp:	393895
Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.8	85.2
39	38.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 53.789 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 427158

Ion Ratio Lower Upper

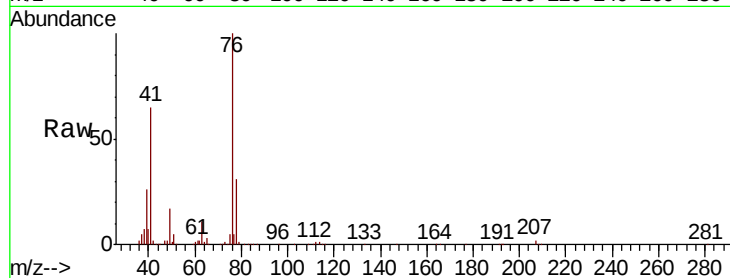
76 100

78 32.0 25.9 38.9

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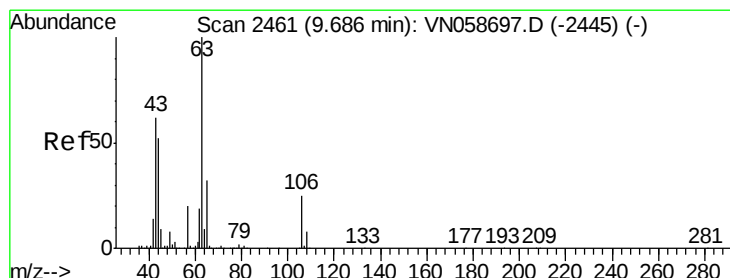
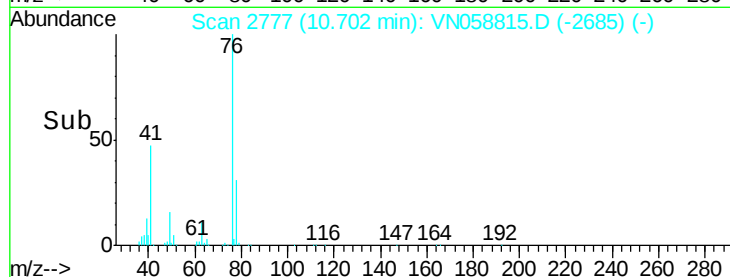
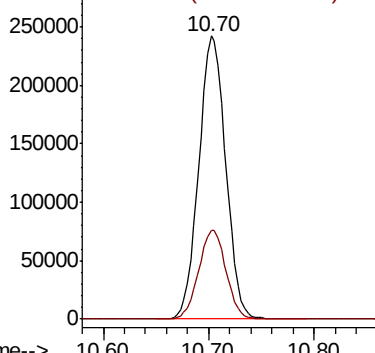
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 274.947 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058815.D

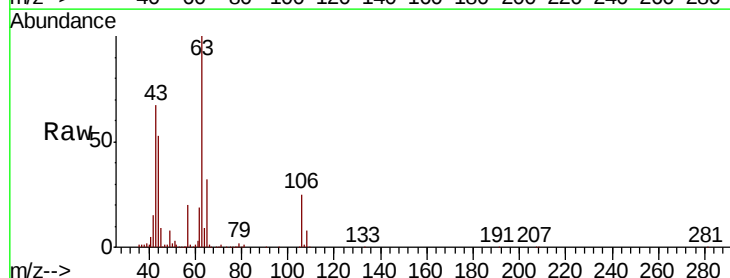
Acq: 17 Oct 2019 10:01

Tgt Ion: 63 Resp: 902117

Ion Ratio Lower Upper

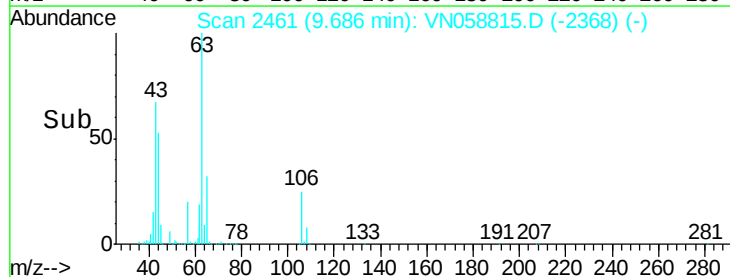
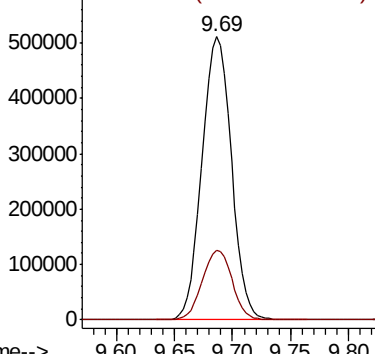
63 100

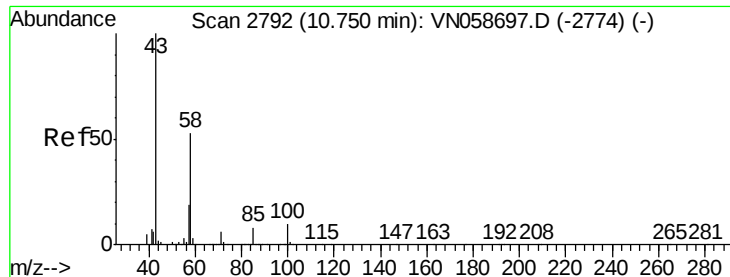
106 24.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





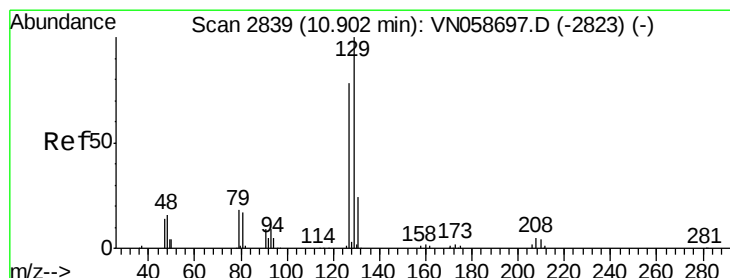
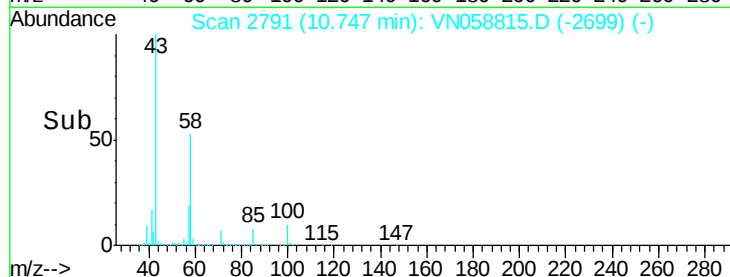
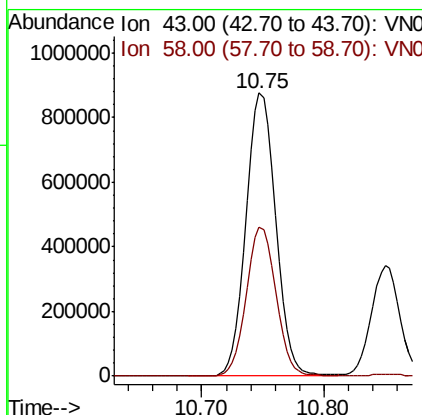
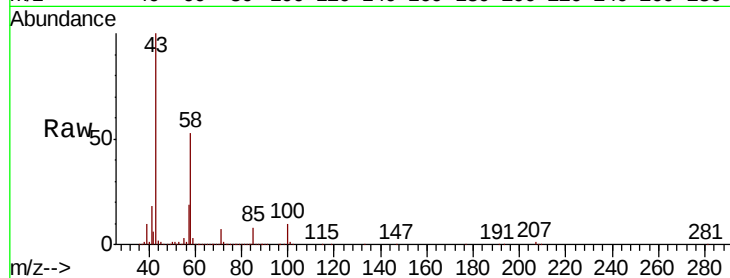
#59
2-Hexanone
Concen: 303.654 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1471780
Ion Ratio Lower Upper
43 100
58 52.5 26.1 78.3

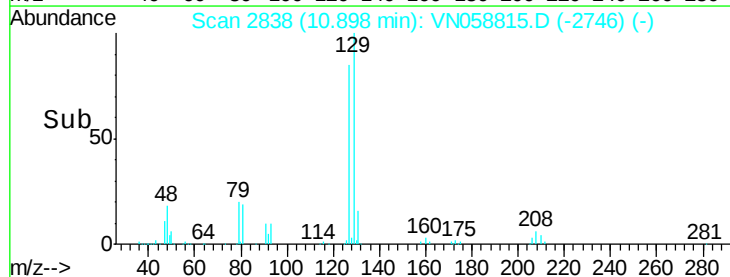
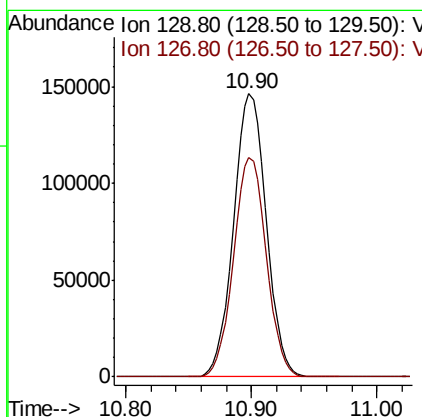
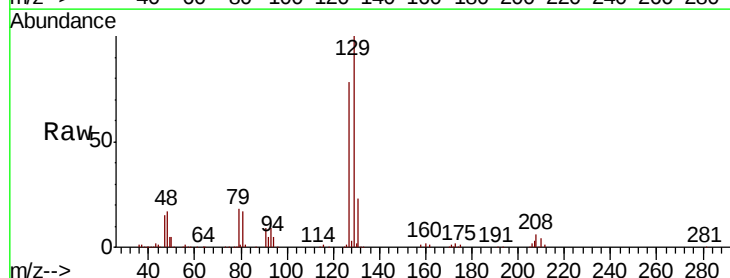
Manual Integrations
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10/18/2019 3:25:50 PM



#60
Dibromochloromethane
Concen: 55.238 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion:129 Resp: 265552
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 54.386 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 253917

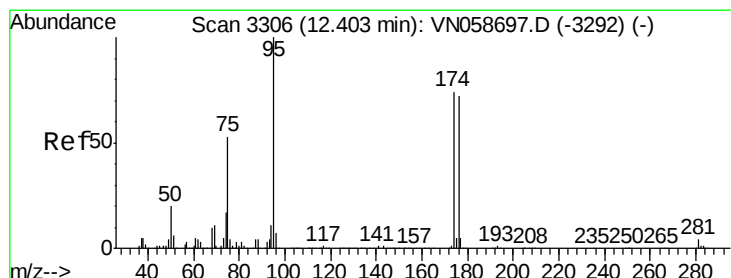
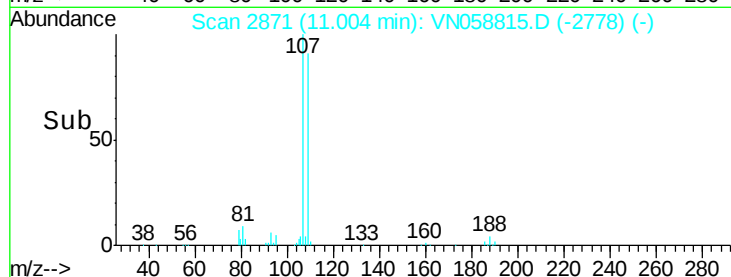
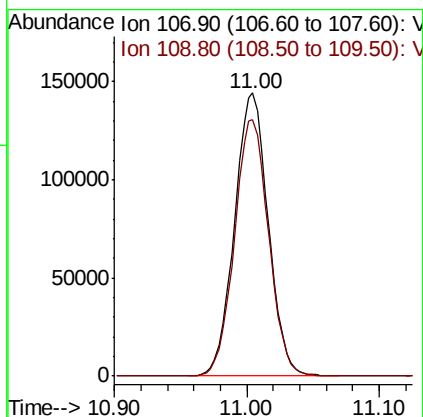
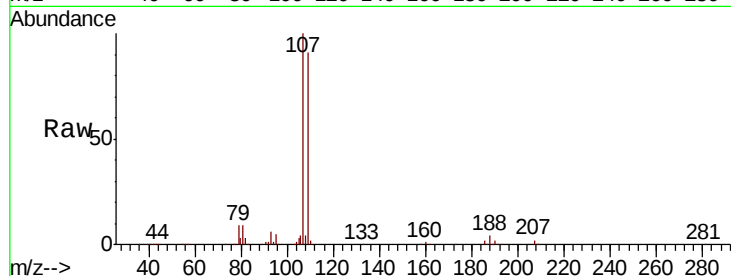
Ion Ratio Lower Upper

107 100

109 91.9 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.198 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

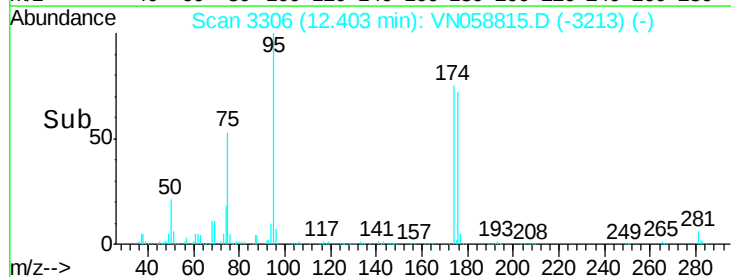
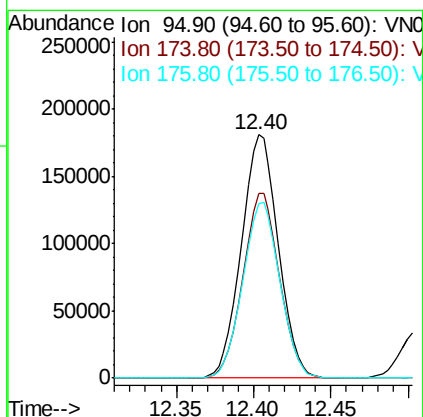
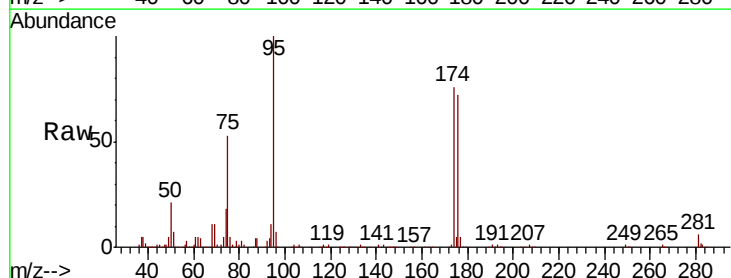
Tgt Ion: 95 Resp: 300892

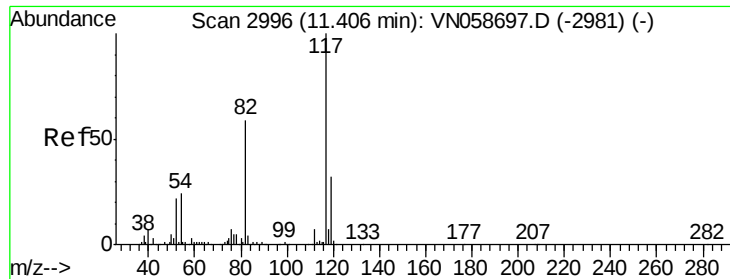
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 72.7 0.0 146.8





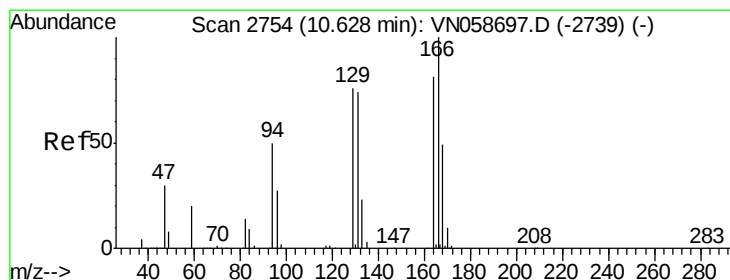
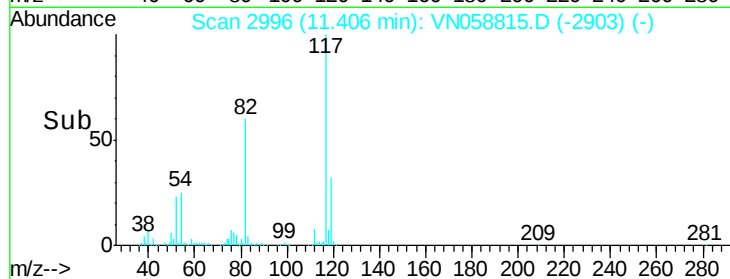
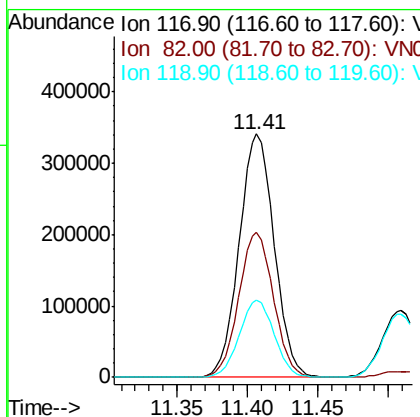
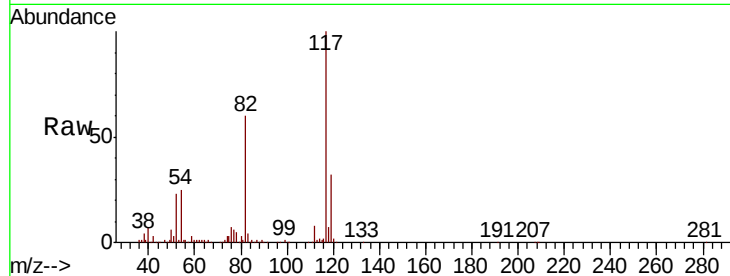
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	594380		
82	59.6		47.0	70.4
119	31.7		25.4	38.2

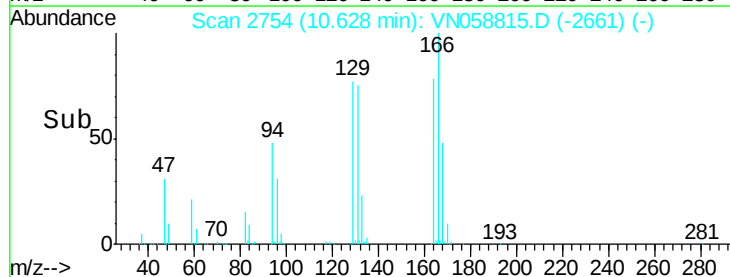
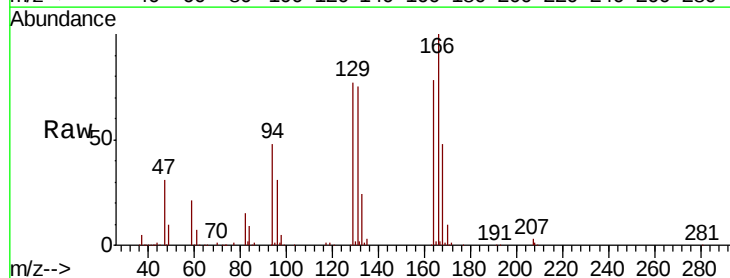
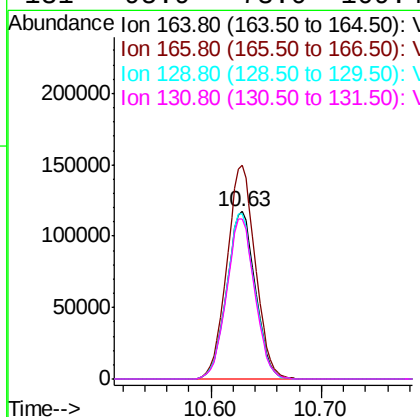
Manual Integrations
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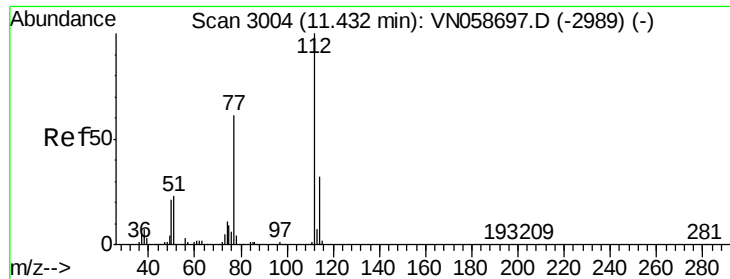
MMDadoda
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#64
Tetrachloroethene
Concen: 50.487 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210008		
166	127.7		99.3	148.9
129	99.0		75.2	112.8
131	95.9		73.0	109.4





#65

Chlorobenzene

Concen: 52.512 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 633856

Ion Ratio Lower Upper

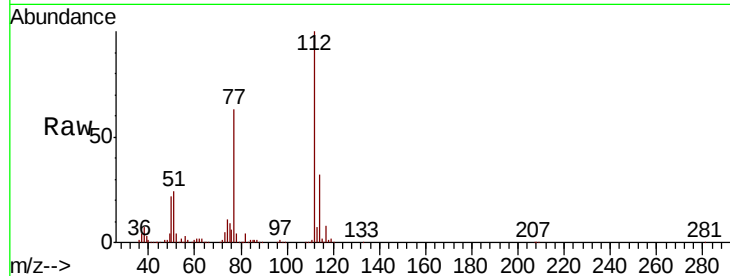
112 100

114 31.6 25.2 37.8

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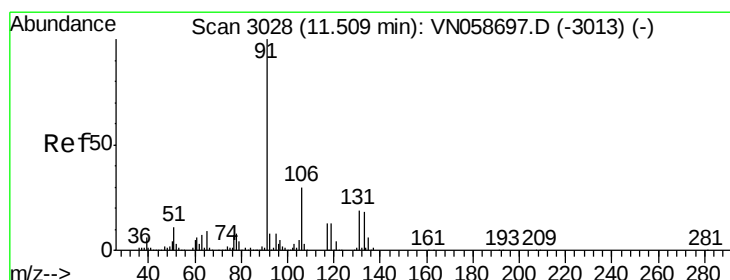
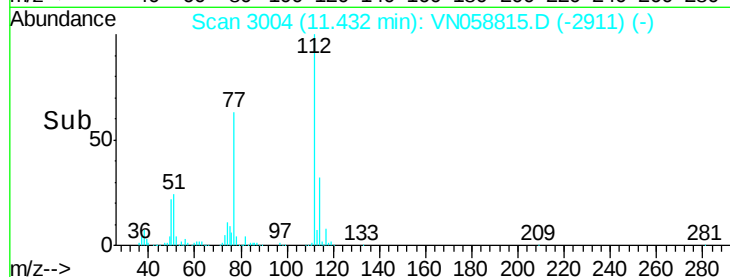
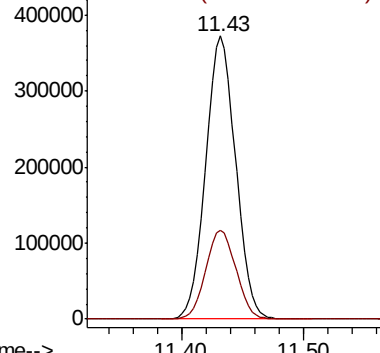
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.942 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

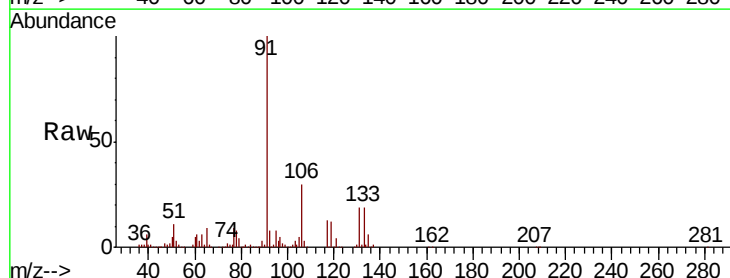
Tgt Ion:131 Resp: 240768

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

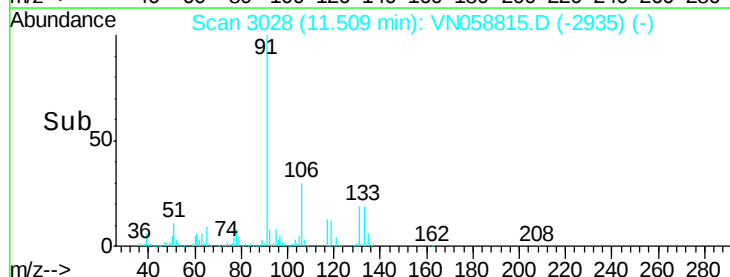
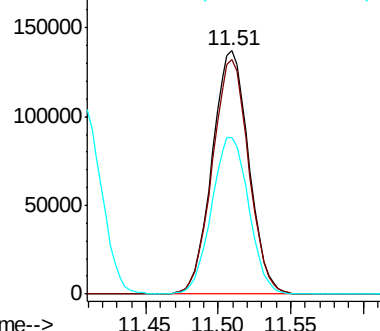
119 65.5 33.0 98.9



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





#67

Ethyl Benzene

Concen: 55.001 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1183441

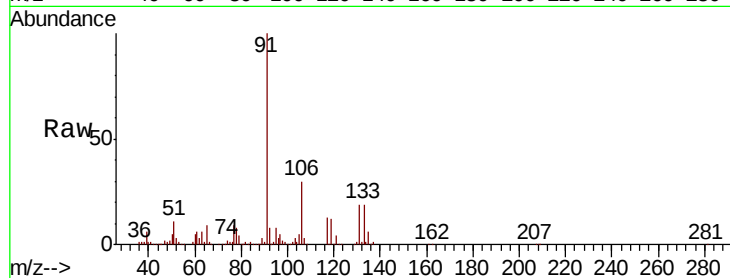
Ion Ratio Lower Upper

91 100

106 29.9 24.1 36.1

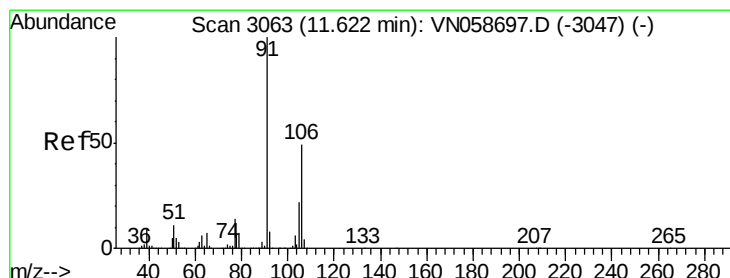
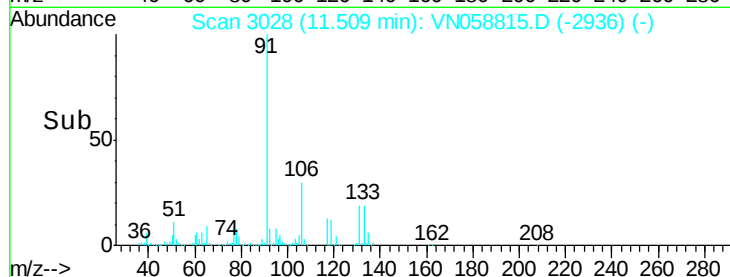
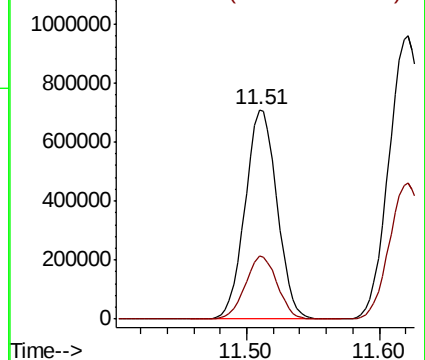
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 108.313 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058815.D

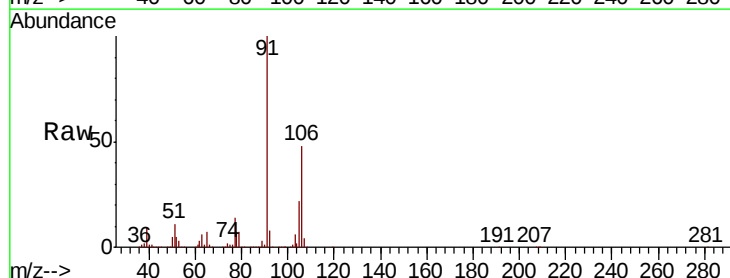
Acq: 17 Oct 2019 10:01

Tgt Ion: 106 Resp: 874595

Ion Ratio Lower Upper

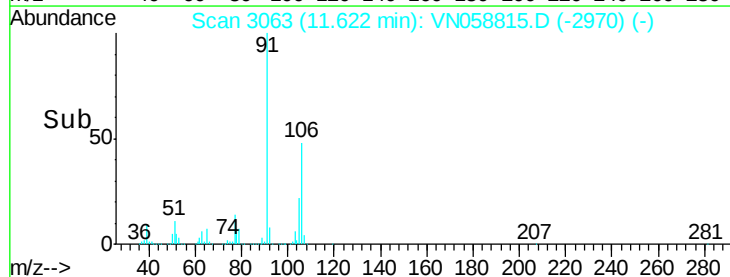
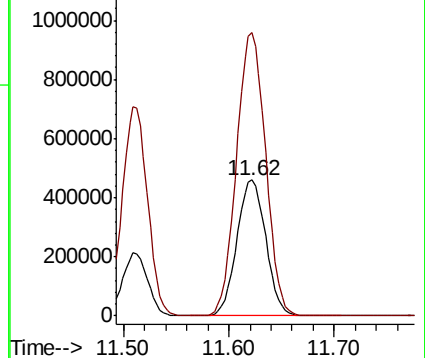
106 100

91 209.3 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-3047) (-)





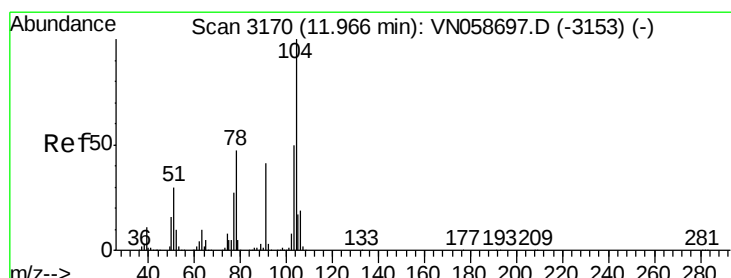
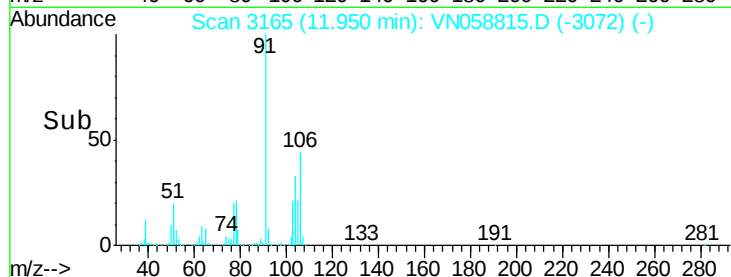
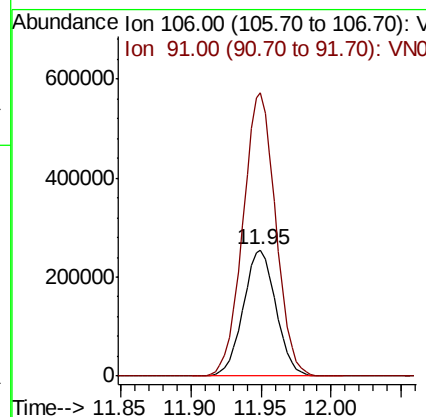
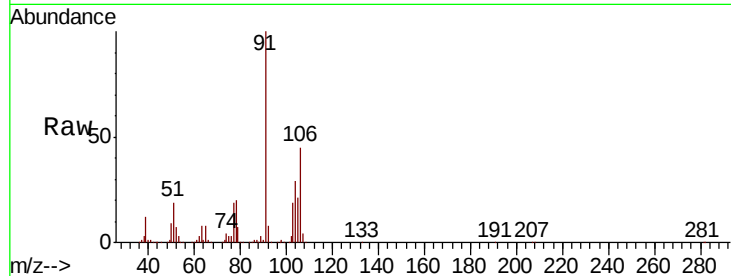
#69
o-Xylene
Concen: 53.114 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	414945		
91	91	223.9	110.9	332.9	

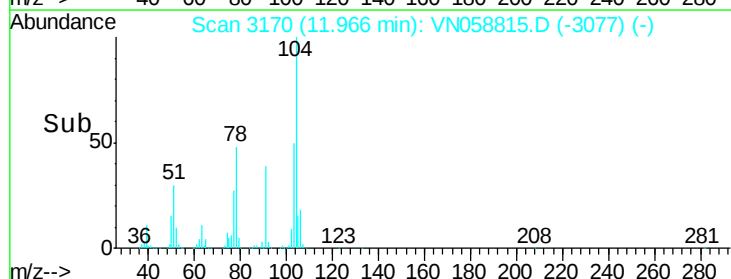
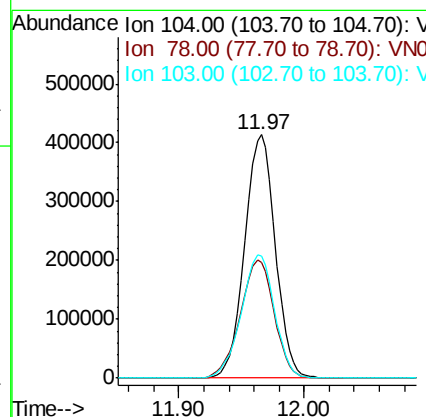
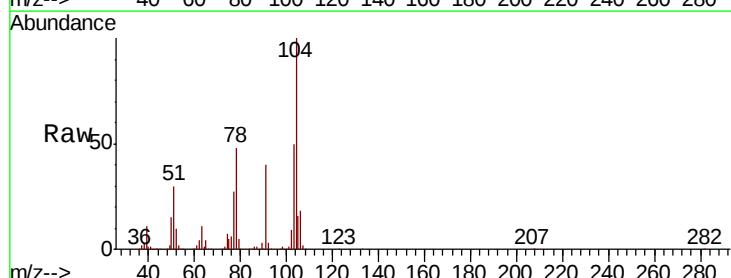
Manual Integrations
APPROVED

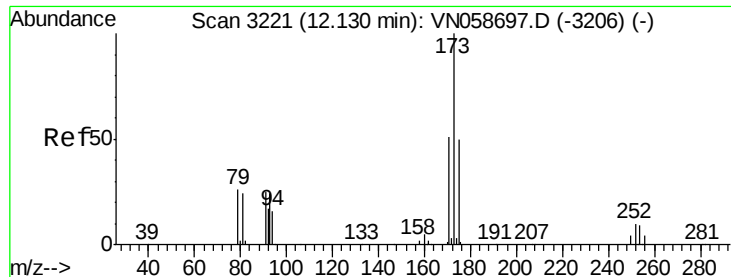
MMDadoda
10/18/2019 3:25:50 PM



#70
Styrene
Concen: 54.758 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	701158		
78	78	53.8	42.2	63.2	
103	103	55.1	43.7	65.5	





#71

Bromoform

Concen: 57.922 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

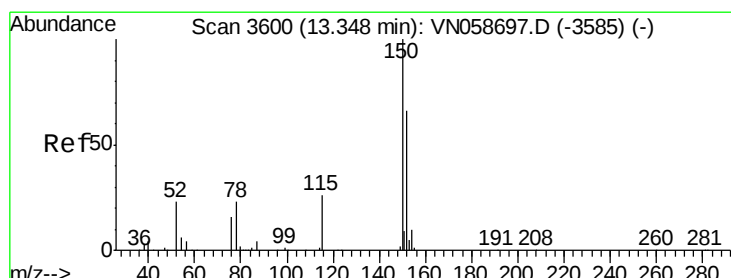
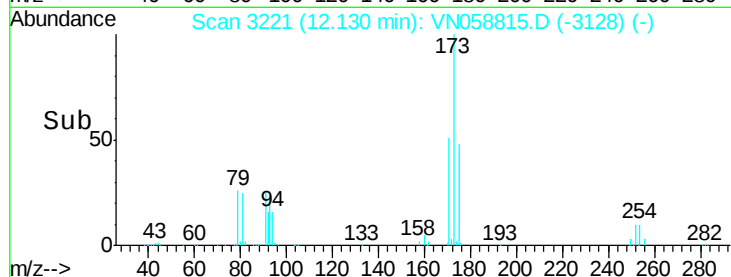
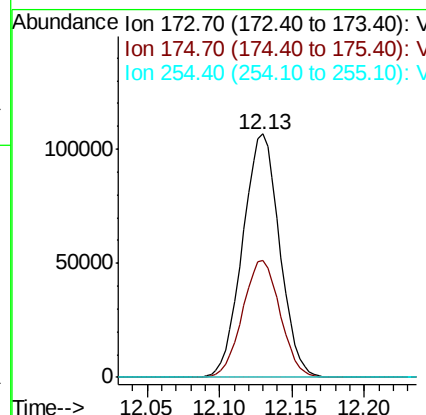
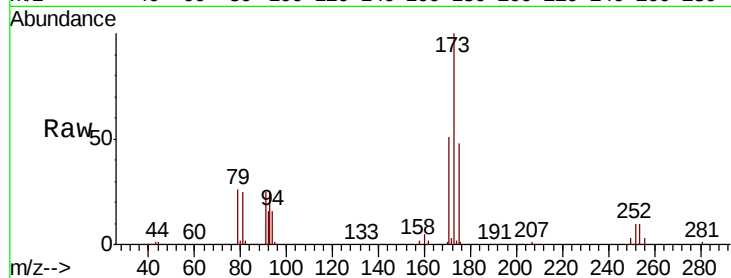
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

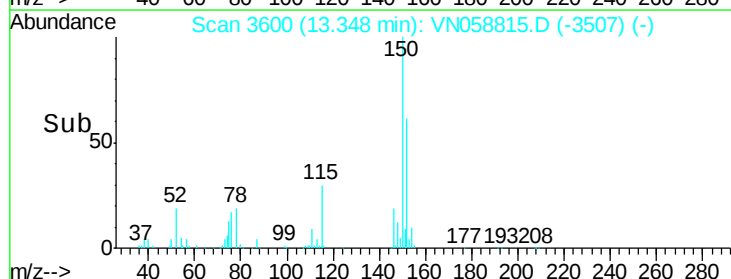
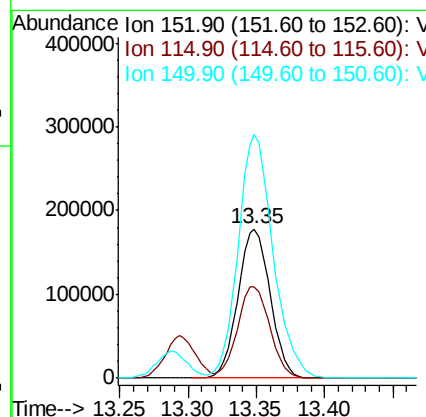
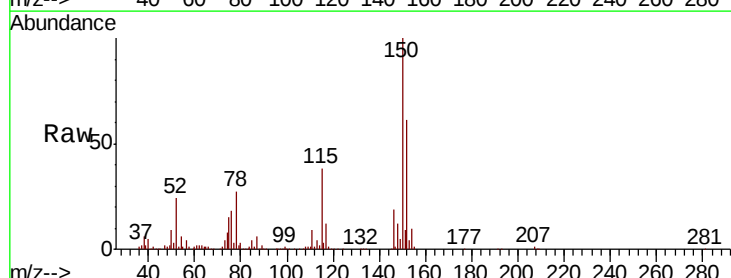
RT: 13.35 min Scan# 3600

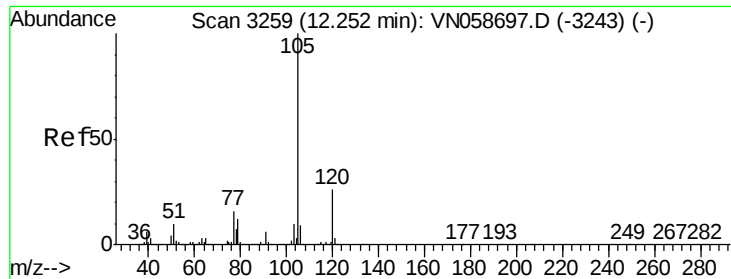
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.4	91.2
150	176.4	0.0	345.4





#73

Isopropylbenzene

Concen: 54.786 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1159319

Ion Ratio Lower Upper

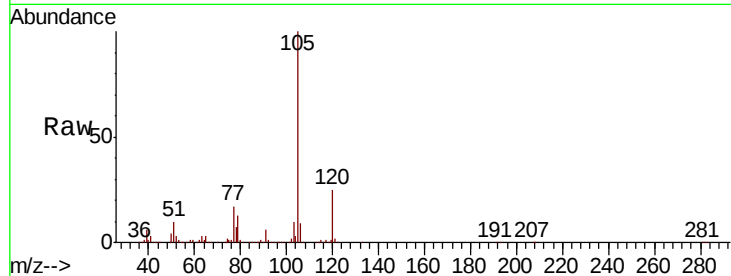
105 100

120 26.0 13.1 39.1

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

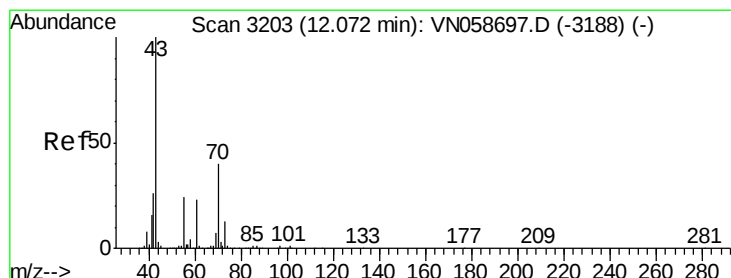
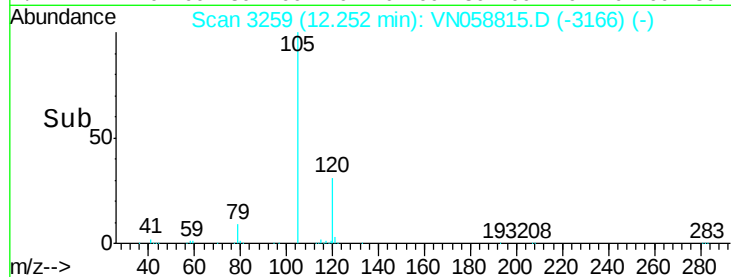
400000

200000

0

12.20 12.30

Time-->



#74

N-ethyl acetate

Concen: 57.402 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion: 43 Resp: 545555

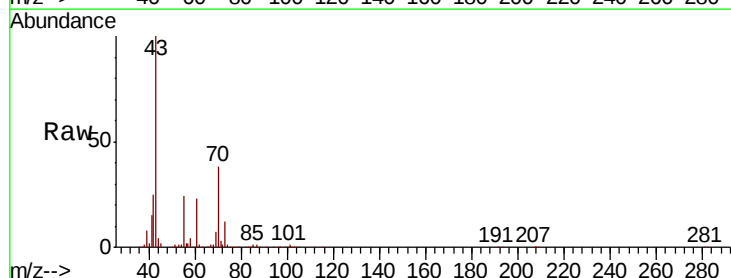
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.4

55 24.7 19.6 29.4

61 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

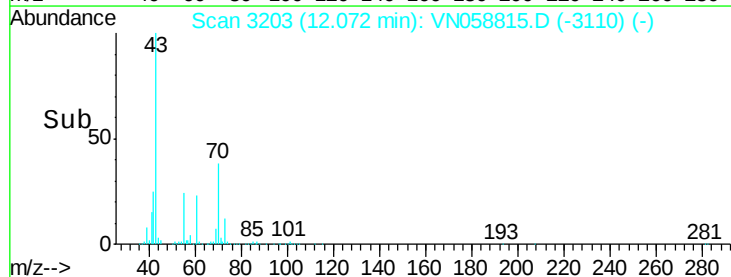
200000

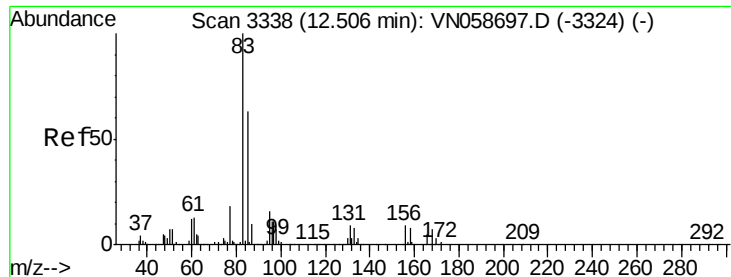
100000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.379 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

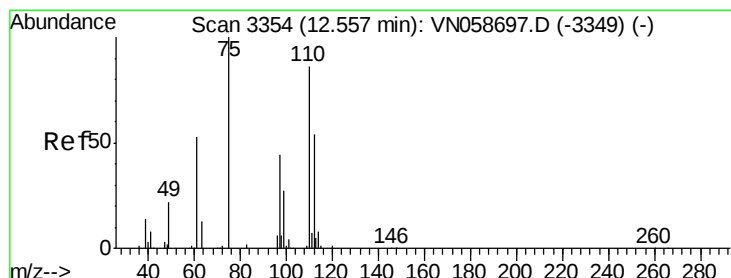
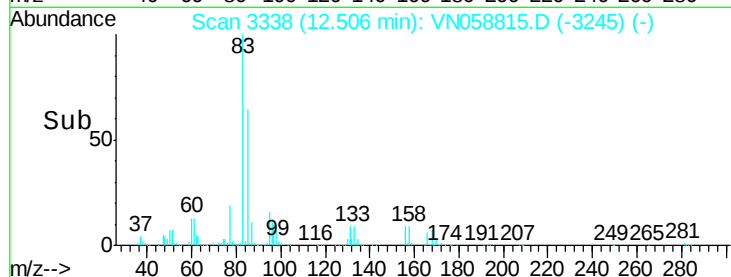
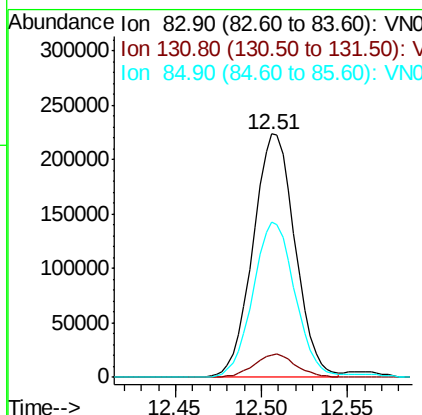
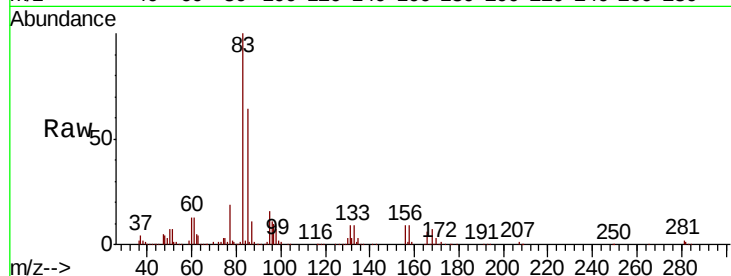
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	379083
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.4
85	63.8	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.007 ug/l m

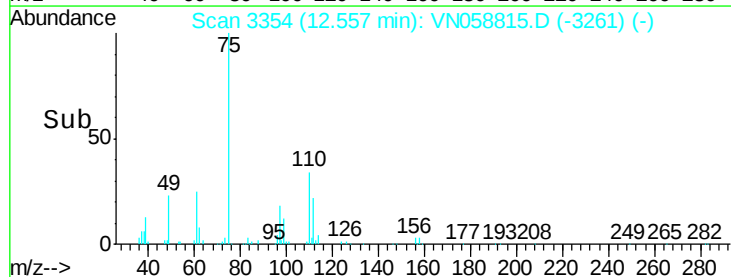
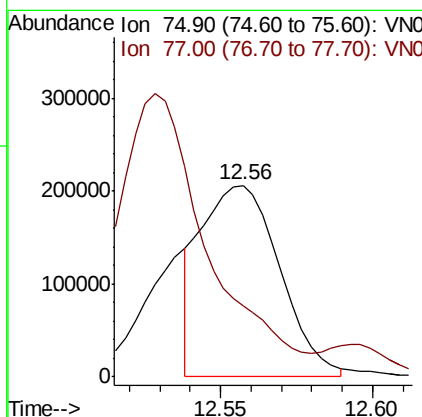
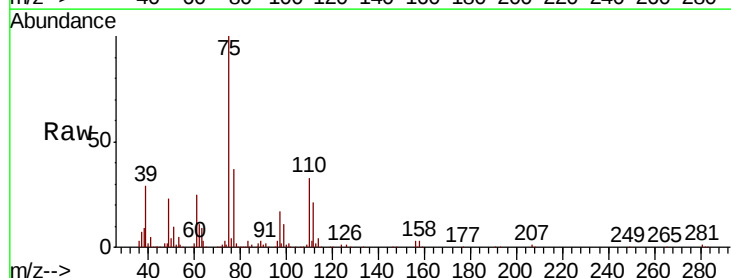
RT: 12.56 min Scan# 3354

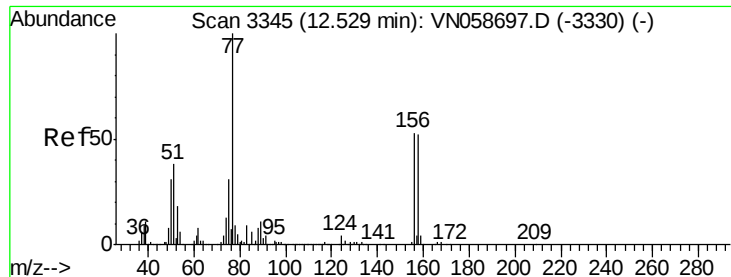
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	75	Resp:	371819
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.356 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

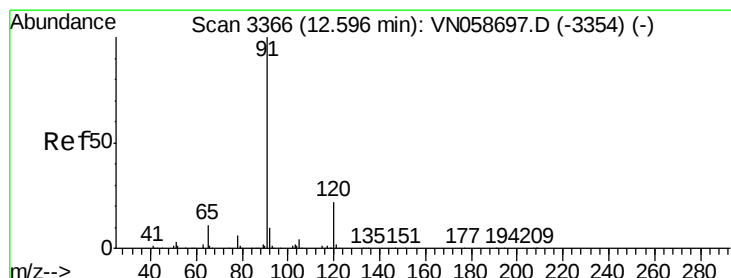
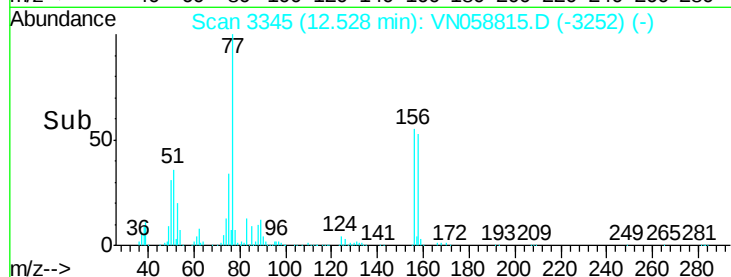
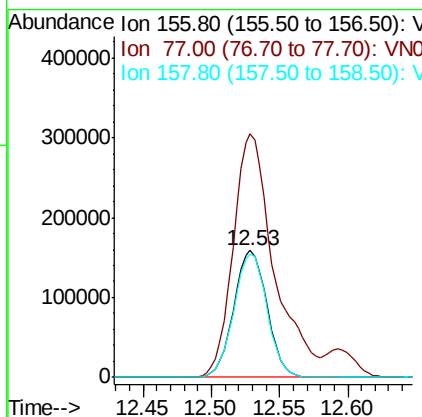
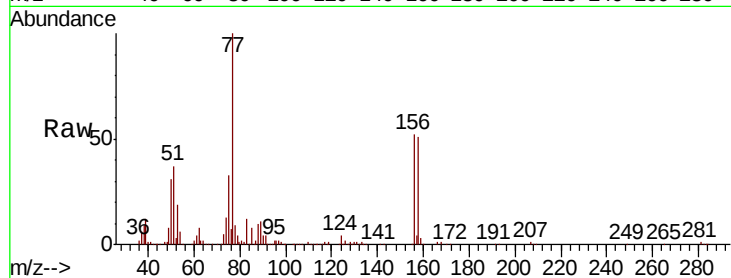
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	235.5	115.8	347.3
158	97.4	48.9	146.6

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#78

n-propylbenzene

Concen: 56.097 ug/l

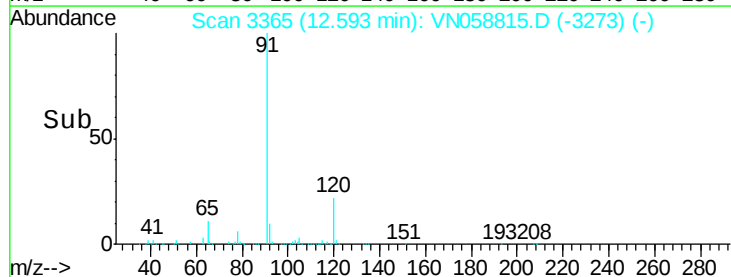
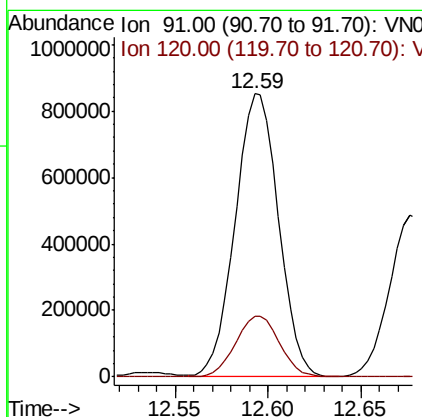
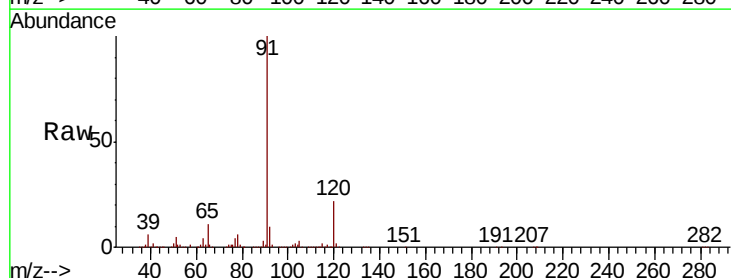
RT: 12.59 min Scan# 3365

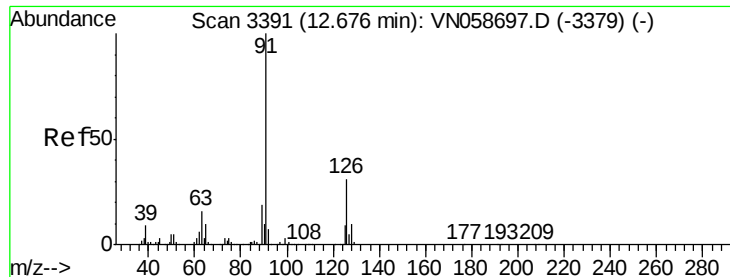
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.3





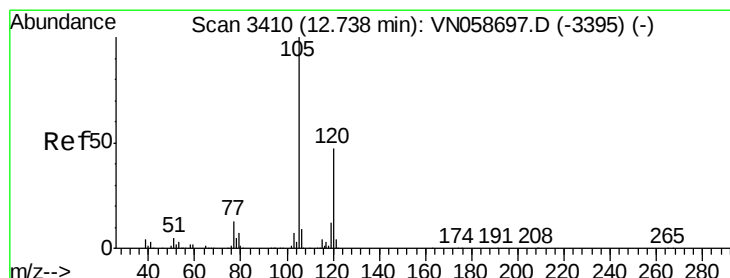
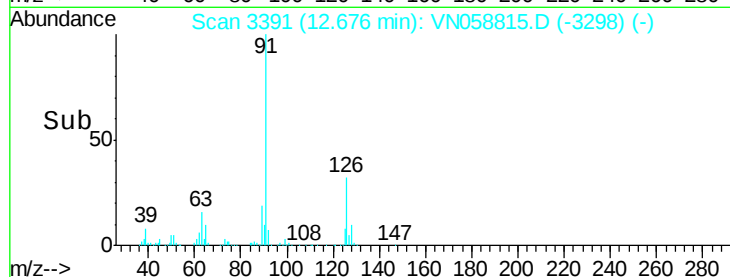
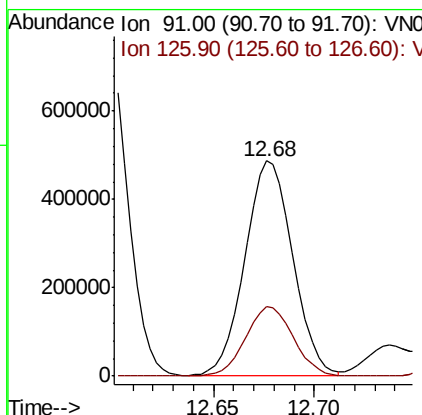
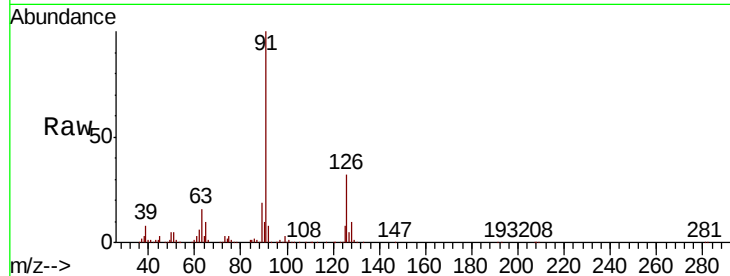
#79
 2-Chlorotoluene
 Concen: 52.899 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 809602
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.2 48.5

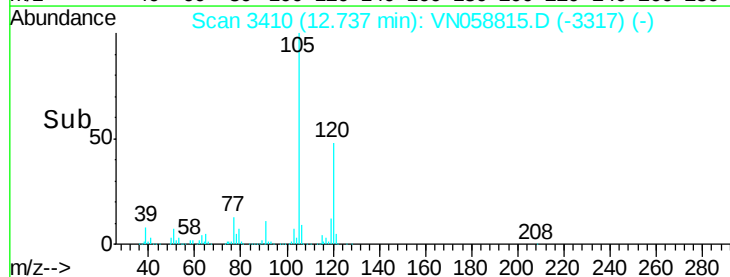
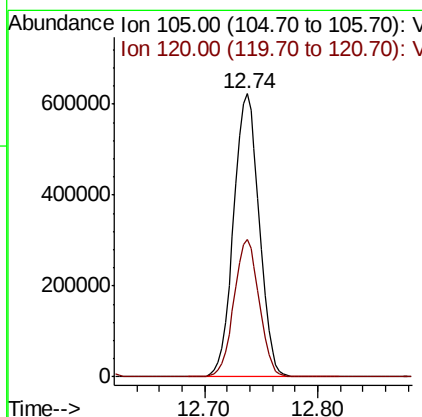
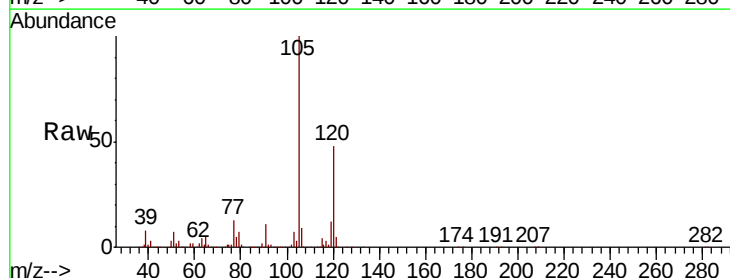
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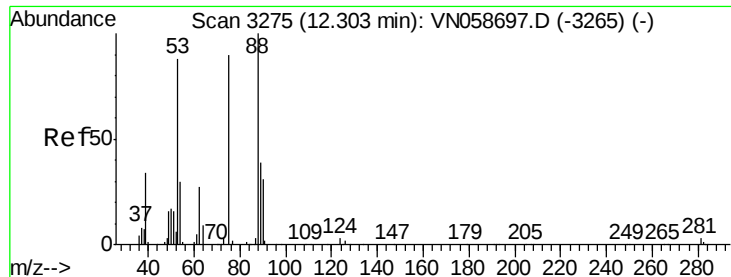
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.215 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion: 105 Resp: 979452
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 56.744 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 135784

Ion Ratio Lower Upper

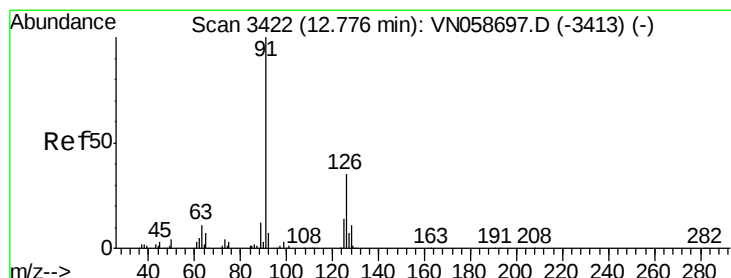
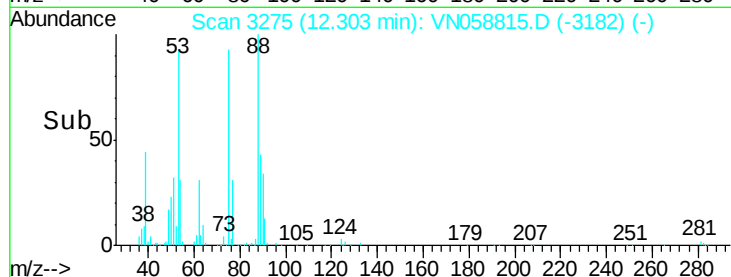
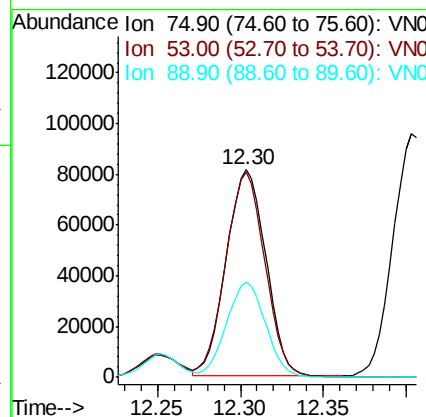
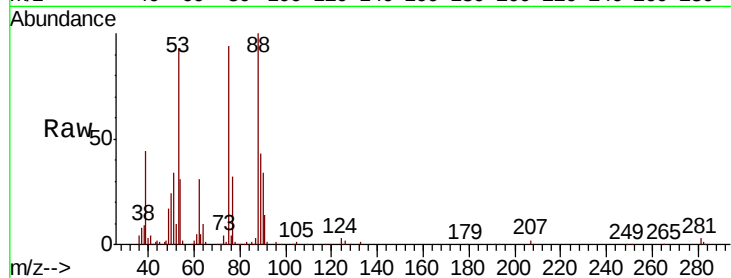
75 100

53 98.2 78.4 117.6

89 45.6 34.9 52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.855 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058815.D

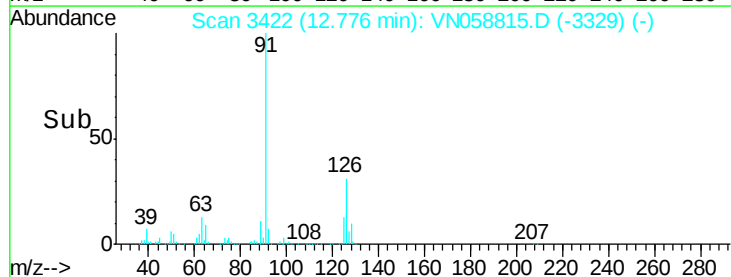
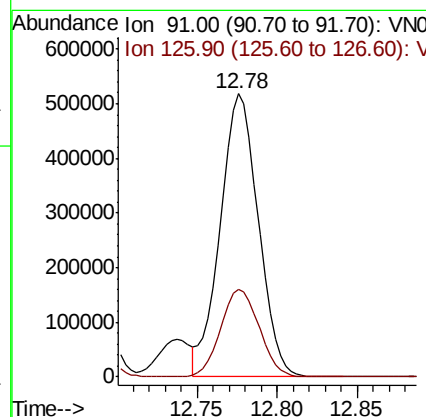
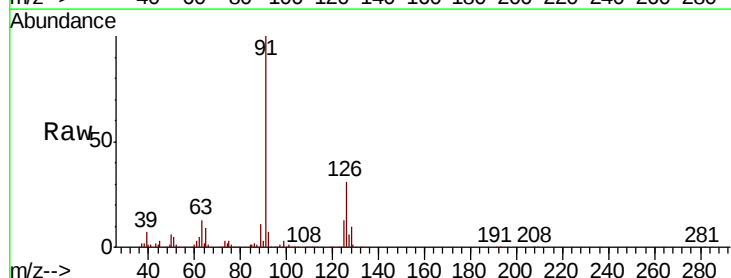
Acq: 17 Oct 2019 10:01

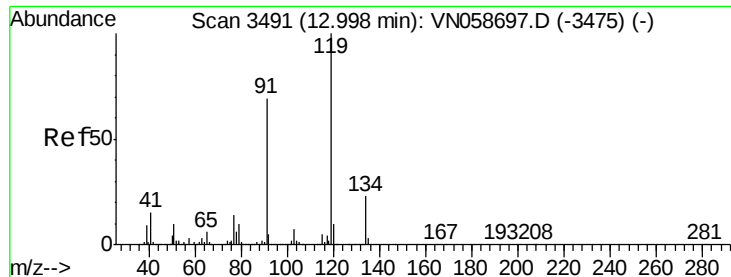
Tgt Ion: 91 Resp: 845801

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.6





#83

tert-Butylbenzene

Concen: 53.676 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

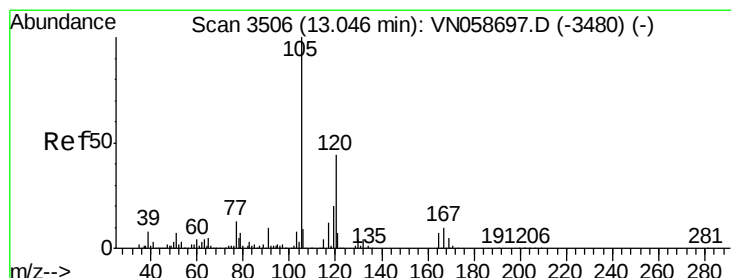
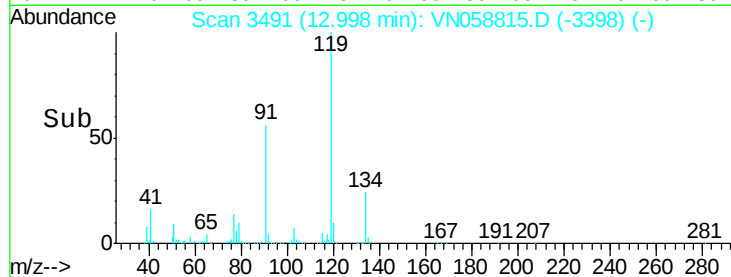
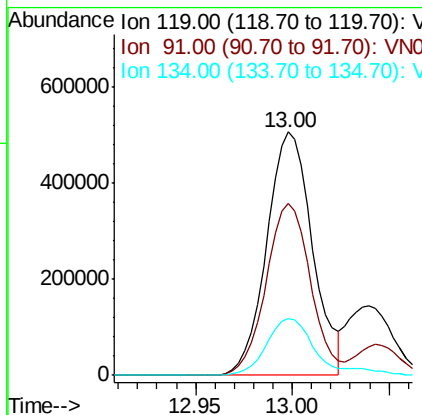
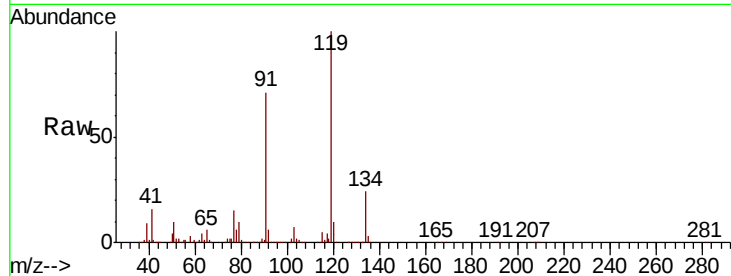
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	830725
Ion Ratio	Lower	Upper	
119	100		
91	68.9	33.8	101.3
134	25.3	12.6	37.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.122 ug/l

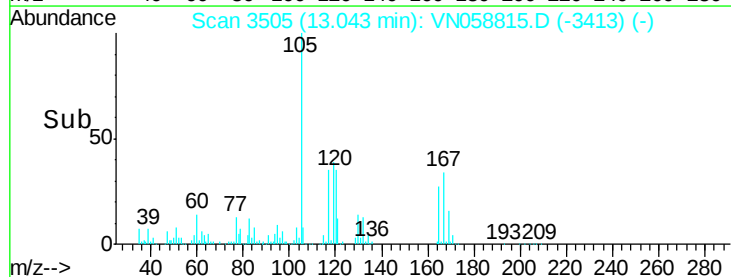
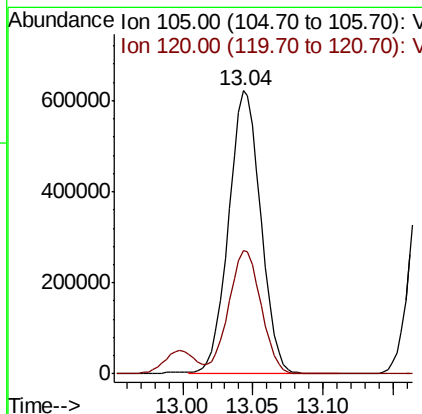
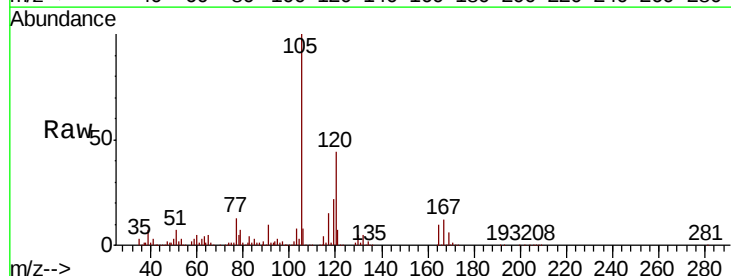
RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	105	Resp:	988597
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 56.131 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1144686

Ion Ratio Lower Upper

105 100

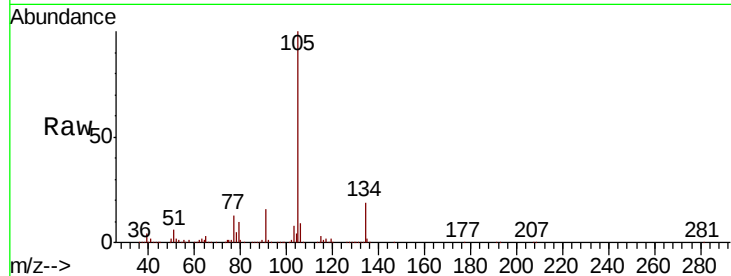
134 19.3 9.7 29.1

Manual Integrations

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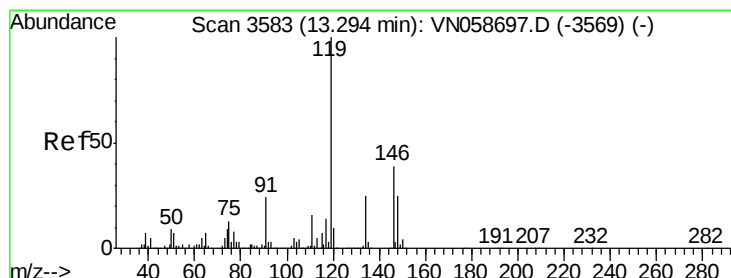
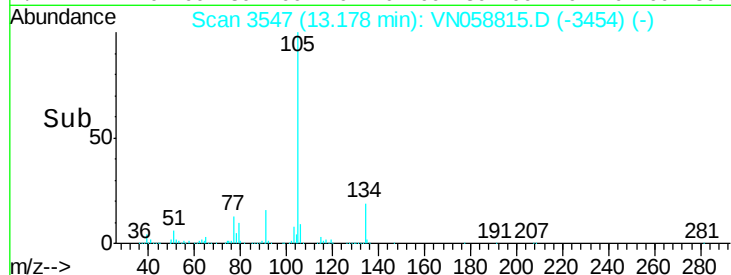
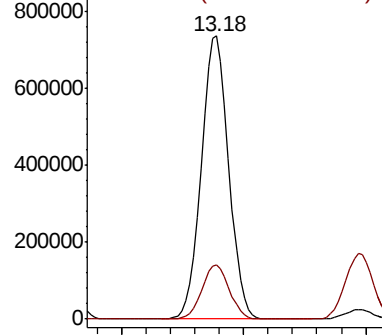
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.521 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

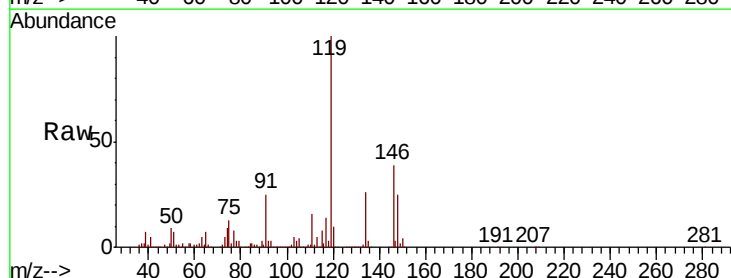
Tgt Ion:119 Resp: 1029046

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

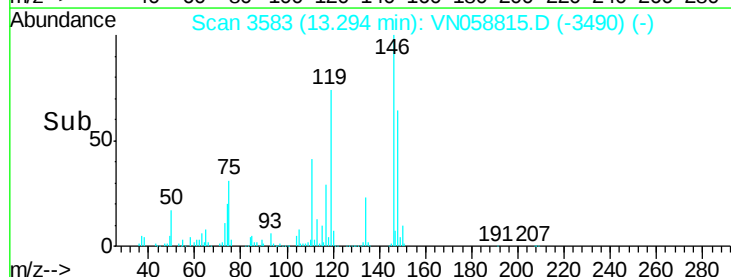
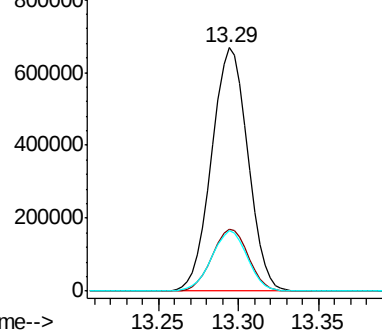
91 24.3 11.9 35.5

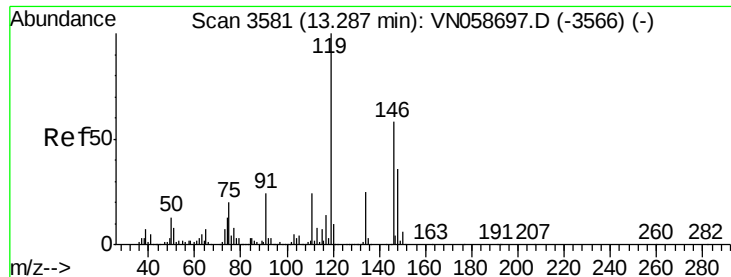


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.099 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058815.D

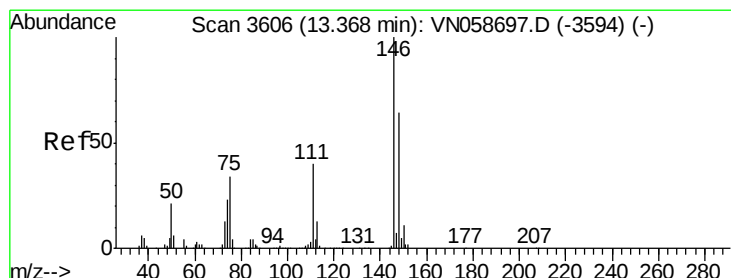
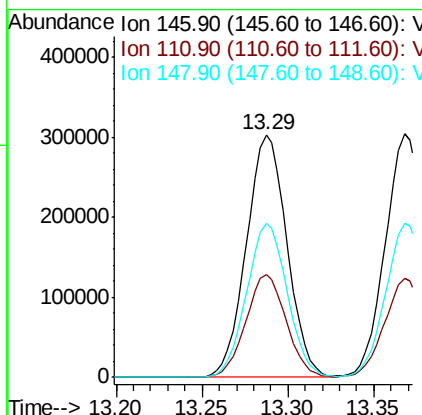
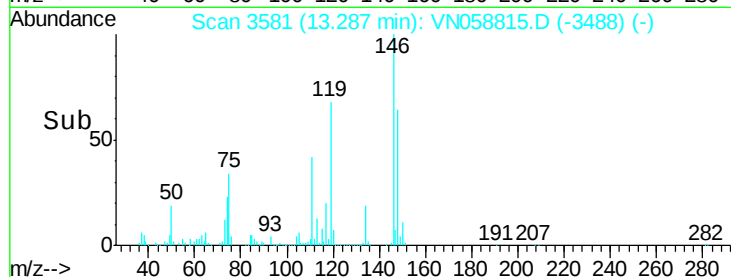
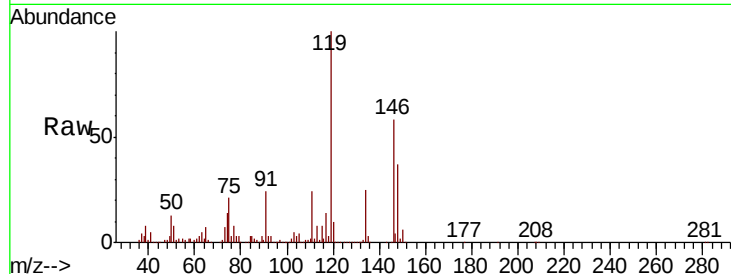
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.6
148	63.8	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 51.524 ug/l

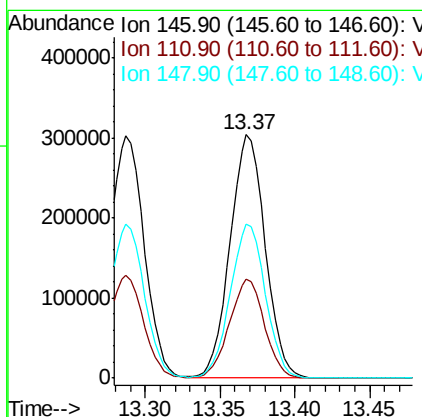
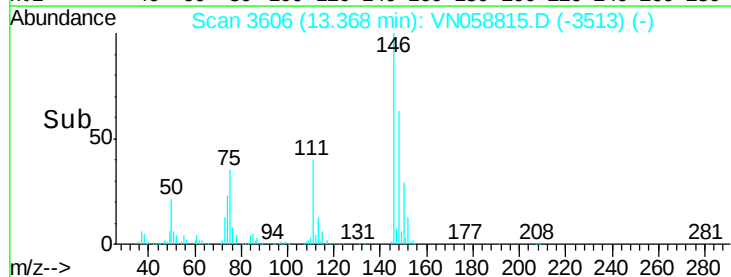
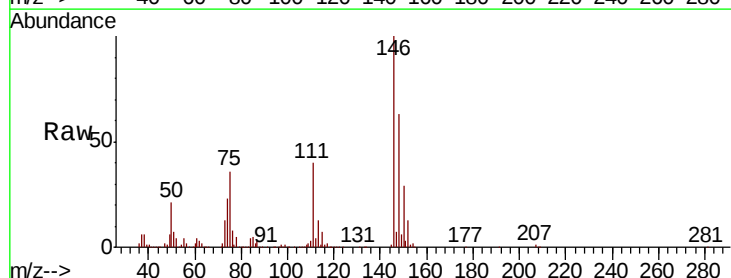
RT: 13.37 min Scan# 3606

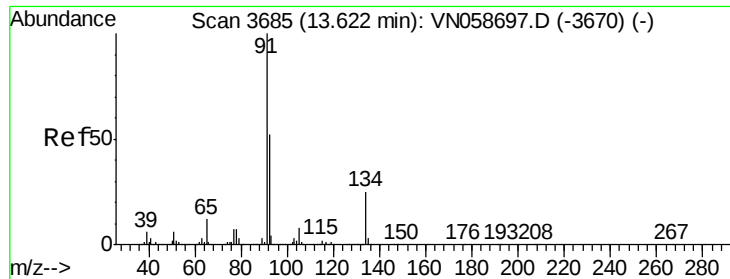
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	63.3	31.9	95.7





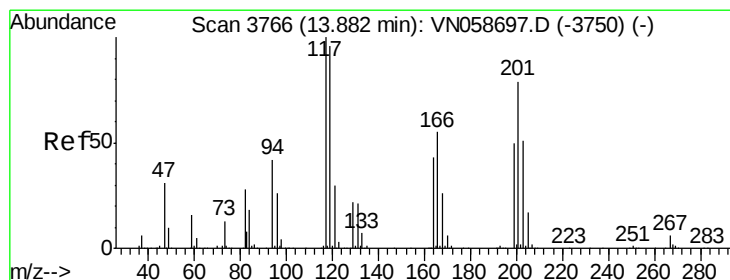
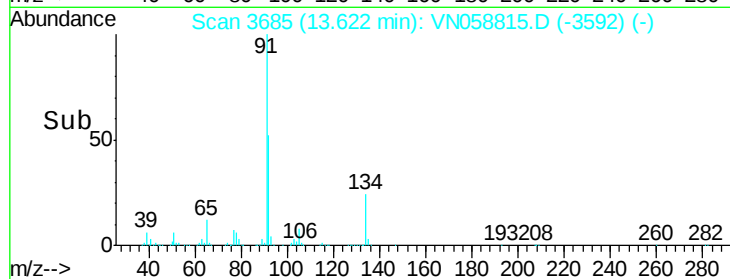
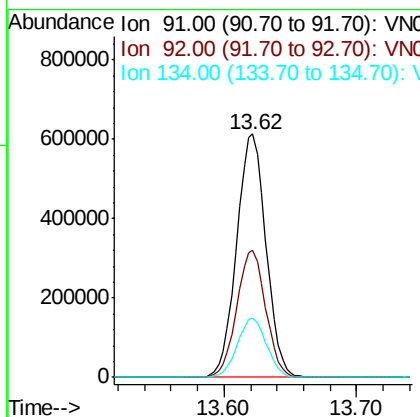
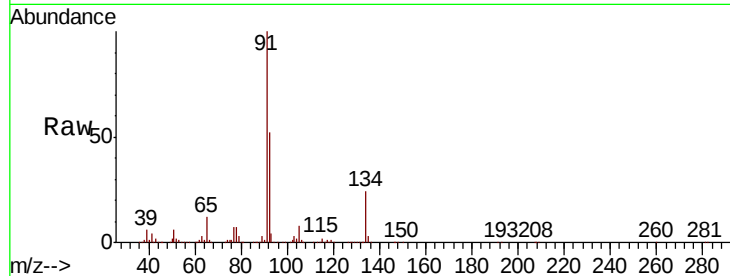
#89
n-Butylbenzene
Concen: 54.953 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.6	26.0	78.0	
134	24.3	12.2	36.6	

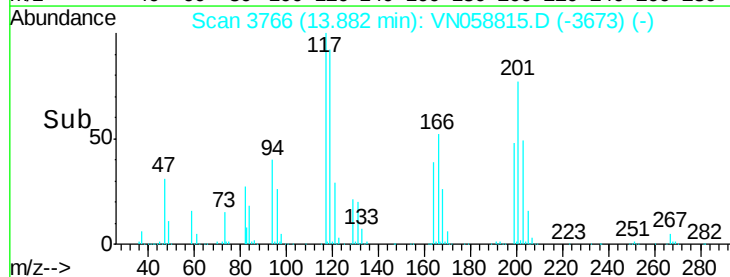
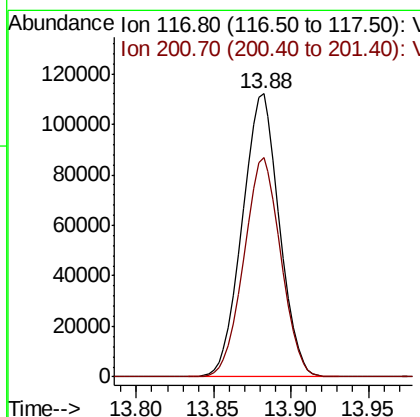
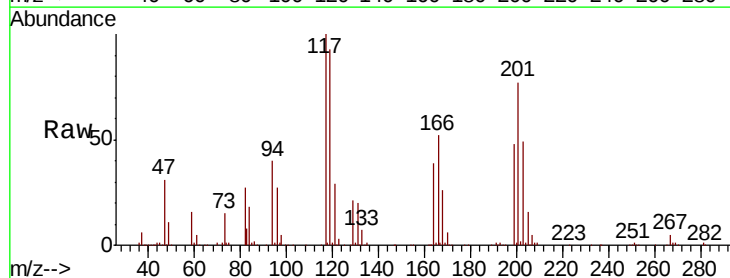
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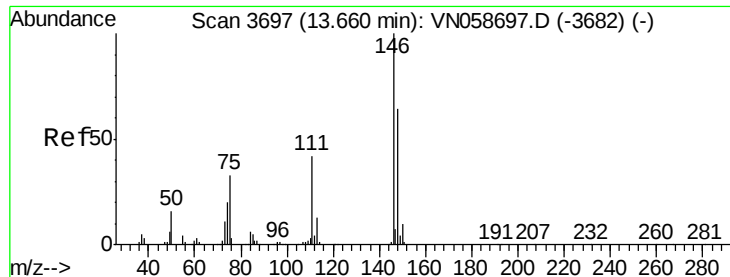
MMDadoda
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#90
Hexachloroethane
Concen: 56.421 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	77.1	39.6	118.7	





#91

1,2-Dichlorobenzene

Concen: 52.600 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

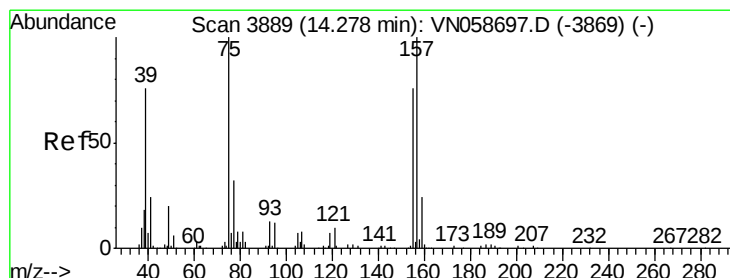
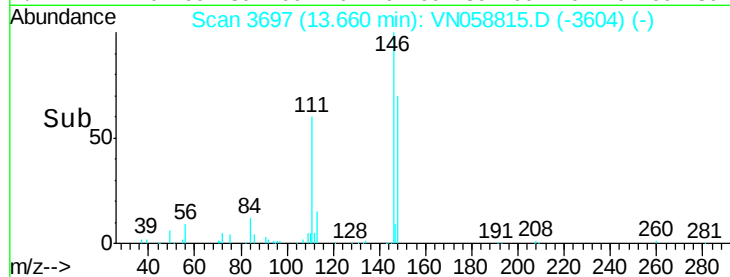
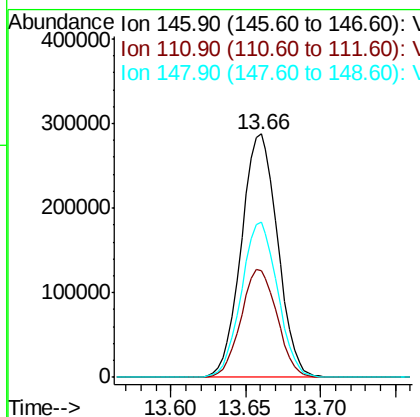
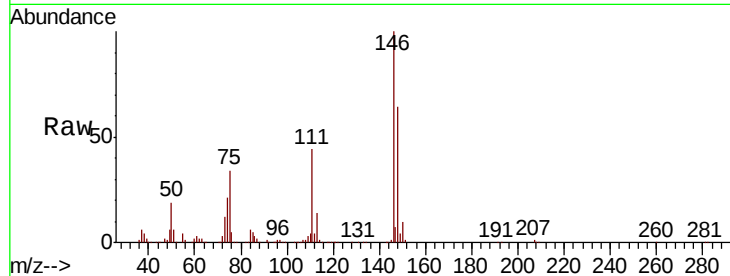
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	486623
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.1	63.4
148	63.5	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.100 ug/l

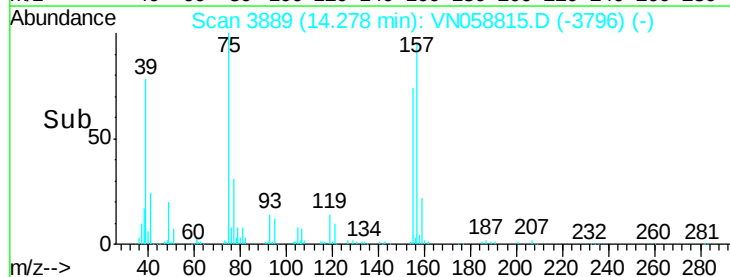
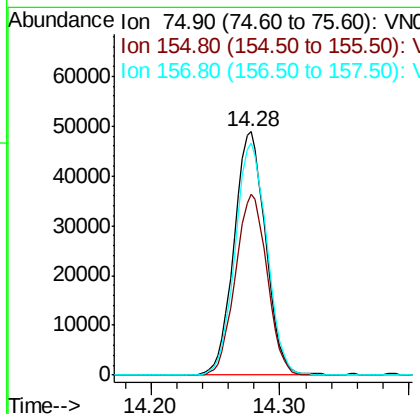
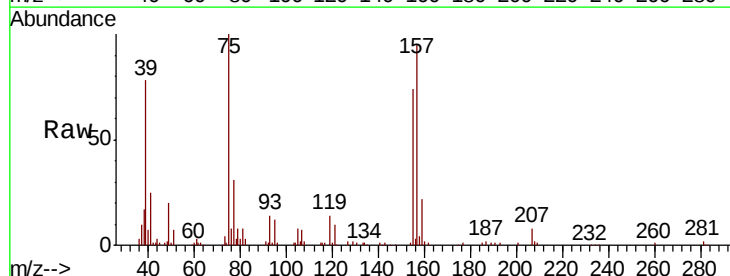
RT: 14.28 min Scan# 3889

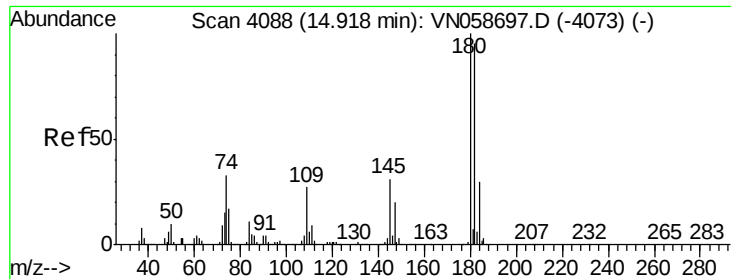
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	75	Resp:	83220
Ion Ratio	Lower	Upper	
75	100		
155	74.4	37.9	113.6
157	95.5	49.4	148.2





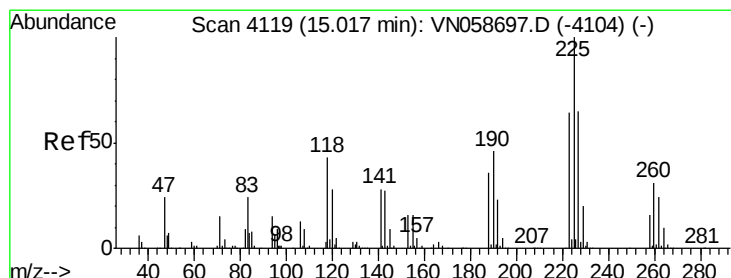
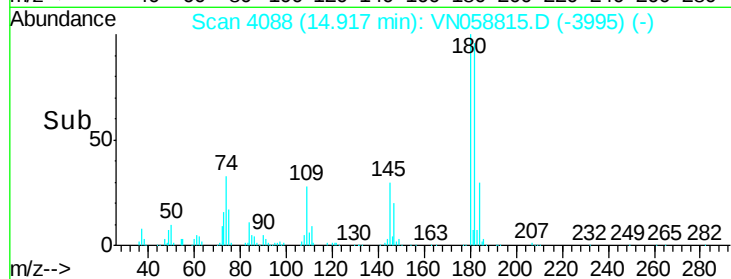
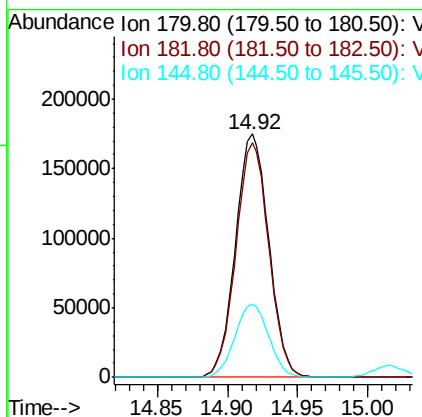
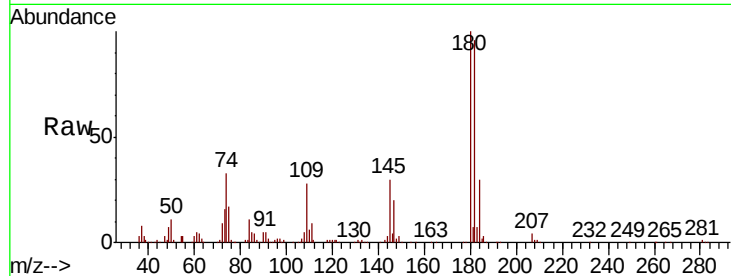
#93
 1,2,4-Trichlorobenzene
 Concen: 51.314 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289592		
182	95.2	47.4	142.2	
145	30.7	15.4	46.2	

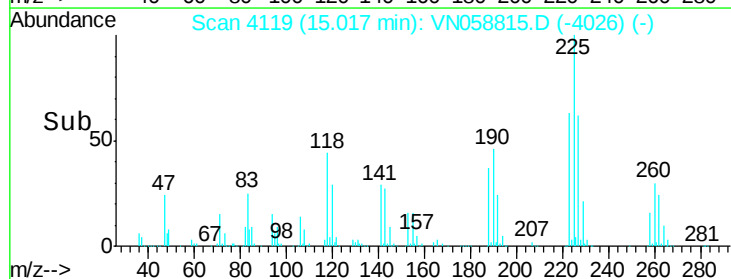
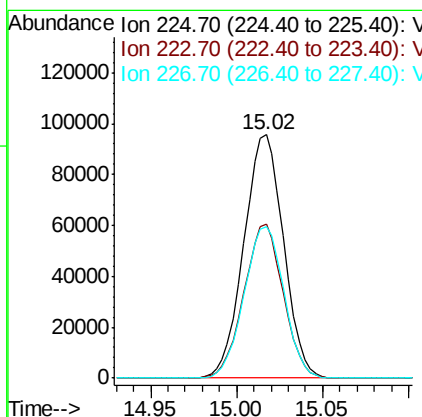
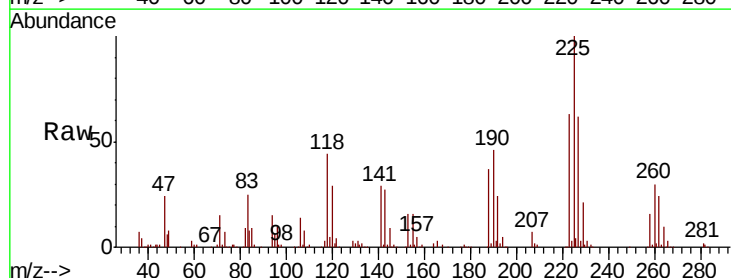
Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:25:50 PM



#94
 Hexachlorobutadiene
 Concen: 51.552 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153209		
223	62.4	32.3	96.8	
227	62.3	32.4	97.0	





#95

Naphthalene

Concen: 53.644 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

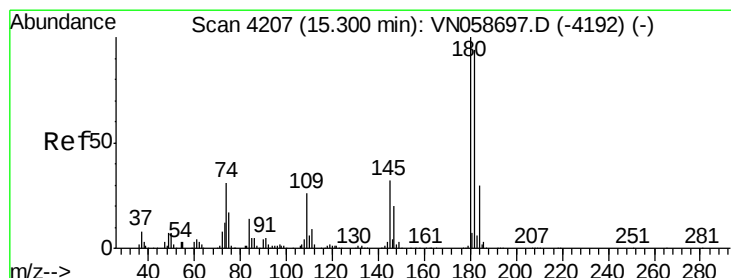
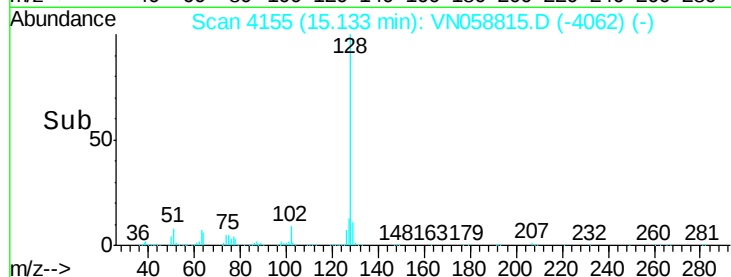
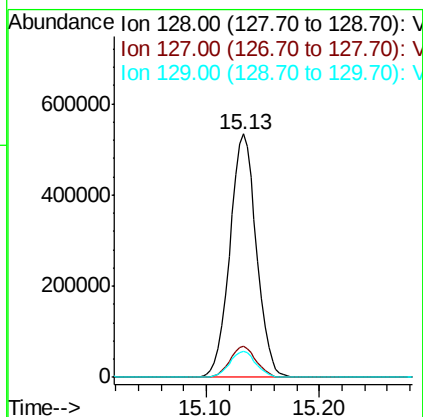
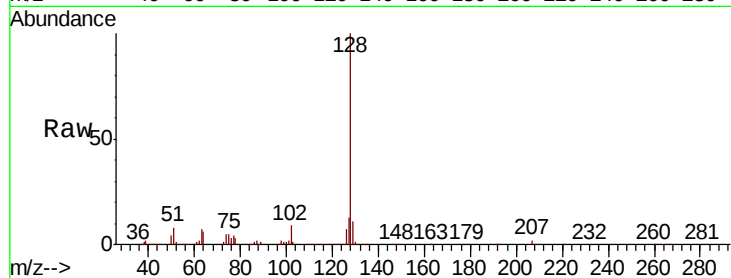
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	870076
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:25:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.628 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	180	Resp:	284467
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	142.0
145	32.6	16.2	48.6

