

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057242.D
 Acq On : 13 Aug 2019 11:51
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:17 AM

Quant Time: Aug 14 11:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1125115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1636688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1422499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	424529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	59571	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
35) Dibromofluoromethane	7.58	113	55508	5.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.76%	
50) Toluene-d8	10.09	98	175169	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
62) 4-Bromofluorobenzene	12.40	95	60559	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	50179	4.790	ug/l	93
3) Chloromethane	2.05	50	55594	4.025	ug/l	91
4) Vinyl Chloride	2.18	62	54751	4.125	ug/l	97
5) Bromomethane	2.54	94	44528m	5.551	ug/l	
6) Chloroethane	2.69	64	36475m	4.614	ug/l	
7) Trichlorofluoromethane	3.01	101	81670	4.661	ug/l	96
8) Diethyl Ether	3.40	74	31058	4.626	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	51276	4.890	ug/l	99
10) Methyl Iodide	3.95	142	70110	4.841	ug/l #	94
11) Tert butyl alcohol	4.76	59	41231	20.916	ug/l #	97
12) 1,1-Dichloroethene	3.73	96	51307	4.889	ug/l	93
13) Acrolein	3.60	56	28874	34.287	ug/l	97
14) Allyl chloride	4.31	41	73868	4.149	ug/l	98
15) Acrylonitrile	4.98	53	109895	19.171	ug/l #	90
16) Acetone	3.81	43	95748	17.493	ug/l	99
17) Carbon Disulfide	4.05	76	128331	4.601	ug/l	97
18) Methyl Acetate	4.32	43	66270	4.423	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	145920	4.407	ug/l	97
20) Methylene Chloride	4.55	84	58478	4.726	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	53184	4.804	ug/l	95
22) Diisopropyl ether	5.94	45	150413	4.306	ug/l	90
23) Vinyl Acetate	5.88	43	583097	20.682	ug/l	100
24) 1,1-Dichloroethane	5.84	63	94035	4.571	ug/l	98
25) 2-Butanone	6.82	43	143368	18.041	ug/l	98
26) 2,2-Dichloropropane	6.82	77	74946	4.938	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	62235	4.882	ug/l	98
28) Bromochloromethane	7.18	49	43223	4.551	ug/l	98
29) Tetrahydrofuran	7.20	42	86255	16.714	ug/l	97
30) Chloroform	7.36	83	97743	4.713	ug/l	99
31) Cyclohexane	7.65	56	92135	4.805	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	80024	4.827	ug/l	98
36) 1,1-Dichloropropene	7.79	75	71068	4.705	ug/l	99
37) Ethyl Acetate	6.92	43	58864	4.123	ug/l	95
38) Carbon Tetrachloride	7.77	117	72627	5.037	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84281	4.550	ug/l	99
40) Benzene	8.03	78	218750	4.748	ug/l	98
41) Methacrylonitrile	7.17	41	21044m	3.391	ug/l	
42) 1,2-Dichloroethane	8.12	62	72253	4.939	ug/l	99
43) Isopropyl Acetate	8.16	43	102610	4.506	ug/l	96
44) Trichloroethene	8.83	130	64740	5.111	ug/l	95
45) 1,2-Dichloropropane	9.11	63	56241	4.635	ug/l	99
46) Dibromomethane	9.20	93	37041	4.869	ug/l	96
47) Bromodichloromethane	9.40	83	69352	4.762	ug/l	95
48) Methyl methacrylate	9.19	41	43131	3.941	ug/l	97
49) 1,4-Dioxane	9.19	88	20612	90.355	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	275731	18.960	ug/l	100
52) Toluene	10.15	92	137574	4.992	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	69637	4.576	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	83289	4.736	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	53985	4.713	ug/l	95
56) Ethyl methacrylate	10.43	69	69292	4.253	ug/l	98
57) 1,3-Dichloropropane	10.70	76	89504	4.790	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	75086	10.392	ug/l	98
59) 2-Hexanone	10.75	43	192952	18.578	ug/l	99
60) Dibromochloromethane	10.90	129	57744	5.053	ug/l	95
61) 1,2-Dibromoethane	11.00	107	54513	4.774	ug/l	97
64) Tetrachloroethene	10.63	164	67863	5.504	ug/l	92
65) Chlorobenzene	11.43	112	146293	5.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	54982	5.083	ug/l	98
67) Ethyl Benzene	11.51	91	244808	4.796	ug/l	97
68) m/p-Xylenes	11.62	106	181362	9.515	ug/l	97
69) o-Xylene	11.94	106	91439	4.881	ug/l	97
70) Styrene	11.96	104	126562	4.193	ug/l	97
71) Bromoform	12.13	173	39954	4.861	ug/l #	97
73) Isopropylbenzene	12.25	105	229657	6.587	ug/l	99
74) N-amyl acetate	12.07	43	65651	5.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	69797	6.087	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	60691m	6.640	ug/l	
77) Bromobenzene	12.53	156	60385	6.610	ug/l	99
78) n-propylbenzene	12.59	91	212151	5.540	ug/l	99
79) 2-Chlorotoluene	12.67	91	140633	5.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	183606	6.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18484	6.103	ug/l	94
82) 4-Chlorotoluene	12.77	91	123199	5.493	ug/l	99
83) tert-Butylbenzene	12.99	119	173108	6.688	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	168197	5.895	ug/l	100
85) sec-Butylbenzene	13.17	105	198388	6.071	ug/l	100
86) p-Isopropyltoluene	13.29	119	175536	5.962	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	75507	5.119	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	71818	5.035	ug/l	95
89) n-Butylbenzene	13.62	91	111372	4.811	ug/l	97
90) Hexachloroethane	13.88	117	33747	6.906	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	70727	4.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6734	3.806	ug/l	99

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

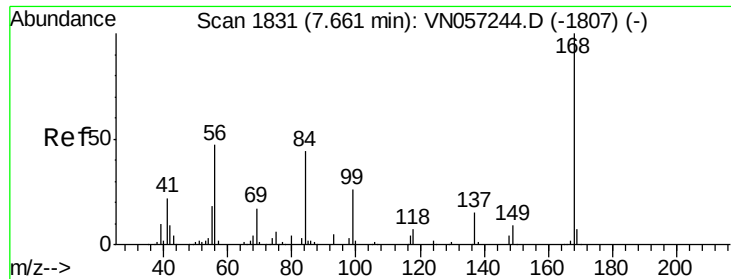
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	16795	2.595	ug/l	96
94) Hexachlorobutadiene	15.01	225	40917	7.356	ug/l	96
95) Naphthalene	15.13	128	31382	1.888	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	15257	2.312	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 1125115

Ion Ratio Lower Upper

168 100

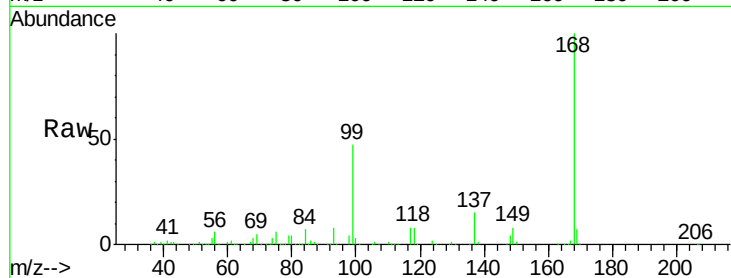
99 47.0 38.6 58.0

Manual Integrations

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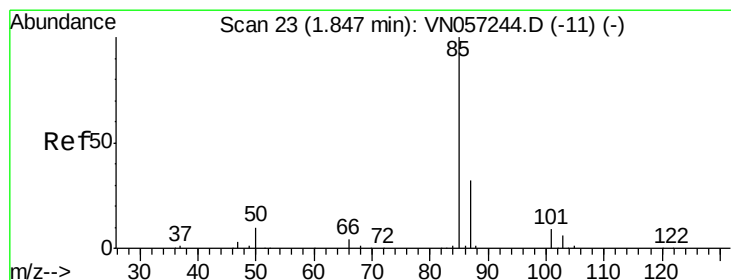
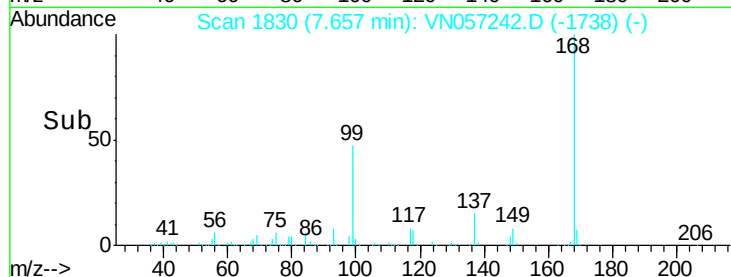
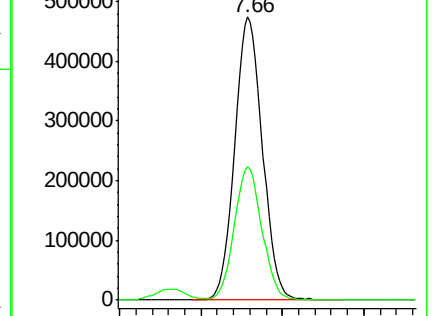
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 4.790 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057242.D

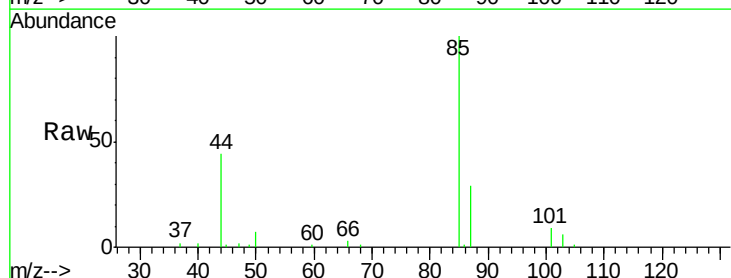
Acq: 13 Aug 2019 11:51

Tgt Ion: 85 Resp: 50179

Ion Ratio Lower Upper

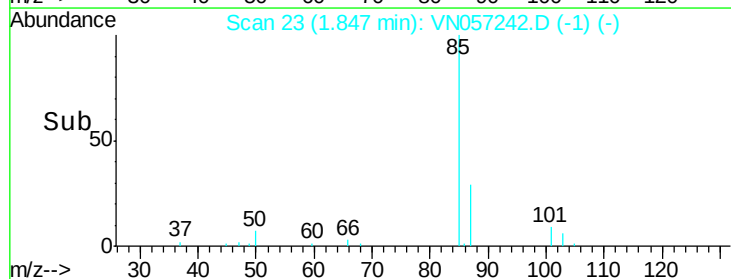
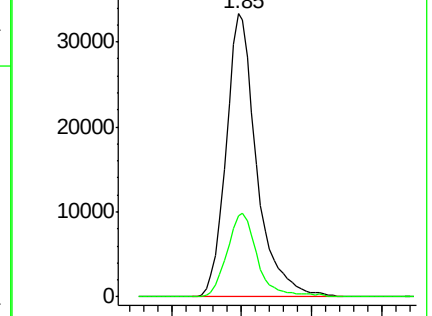
85 100

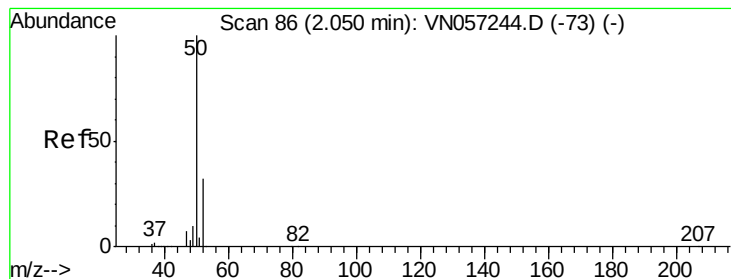
87 28.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 4.025 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 55594

Ion Ratio Lower Upper

50 100

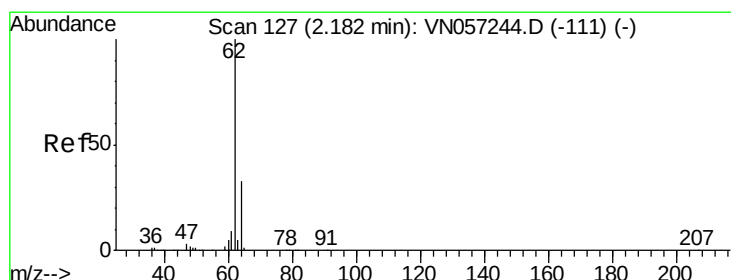
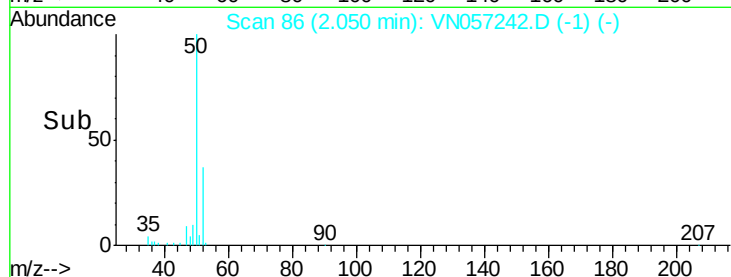
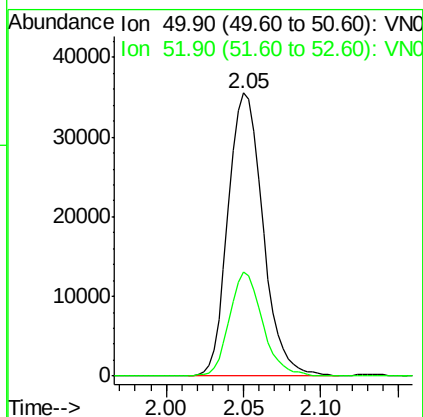
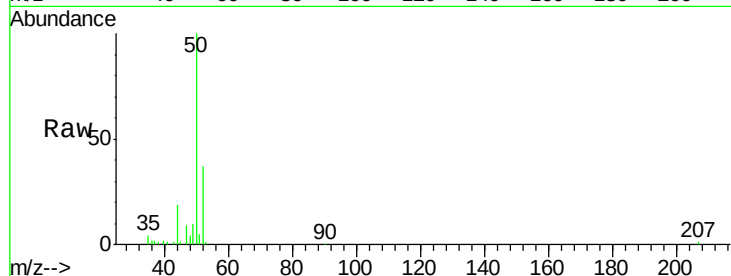
52 36.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.125 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057242.D

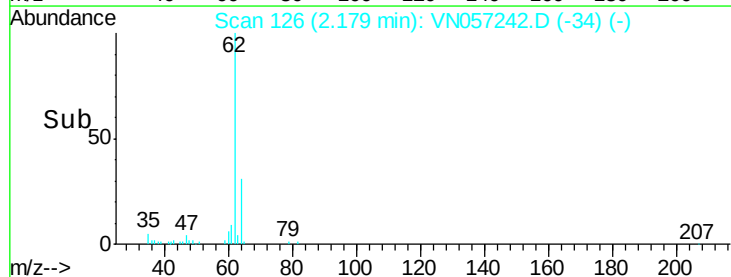
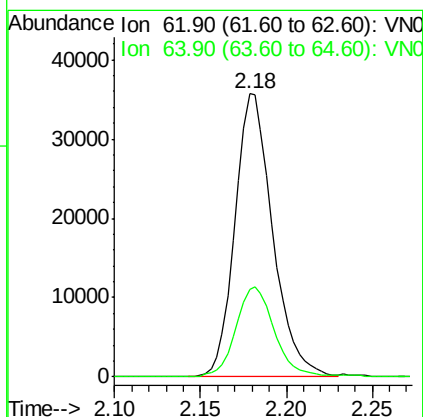
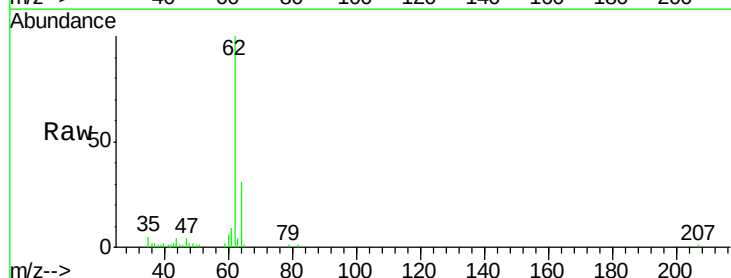
Acq: 13 Aug 2019 11:51

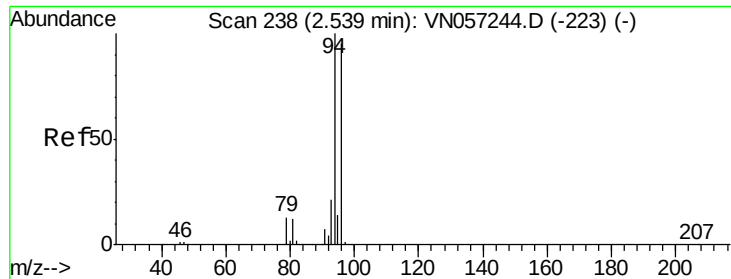
Tgt Ion: 62 Resp: 54751

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.2





#5

Bromomethane

Concen: 5.551 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 44528

Ion Ratio Lower Upper

94 100

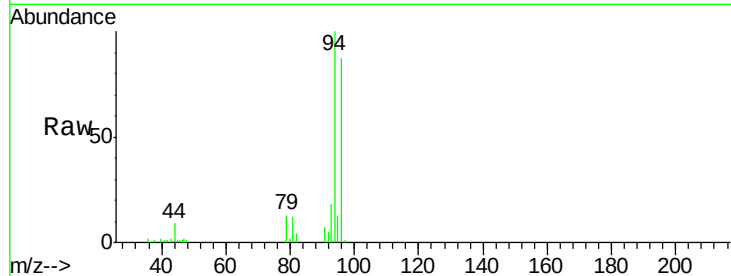
96 86.5 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

5000

0

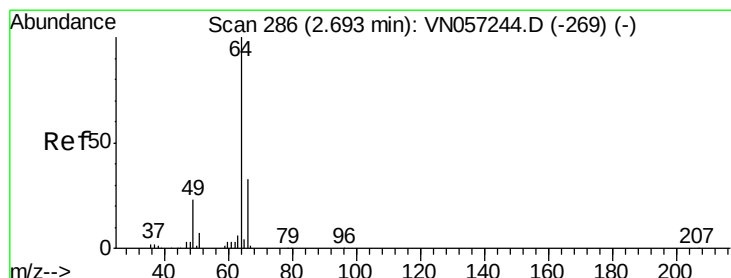
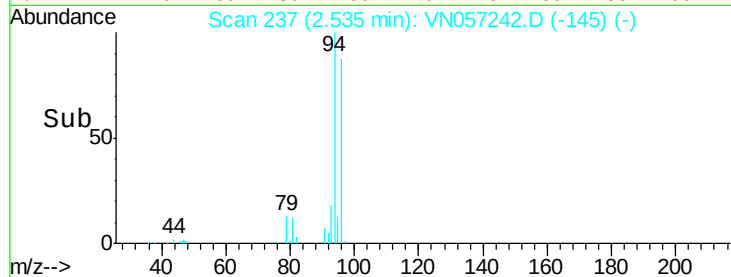
Time-->

2.50

2.54

2.60

2.70



#6

Chloroethane

Concen: 4.614 ug/l m

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057242.D

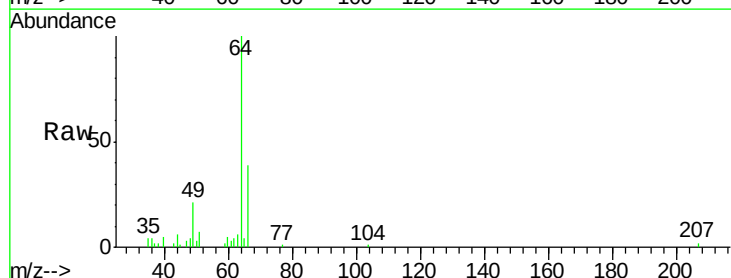
Acq: 13 Aug 2019 11:51

Tgt Ion: 64 Resp: 36475

Ion Ratio Lower Upper

64 100

66 38.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

15000

10000

5000

0

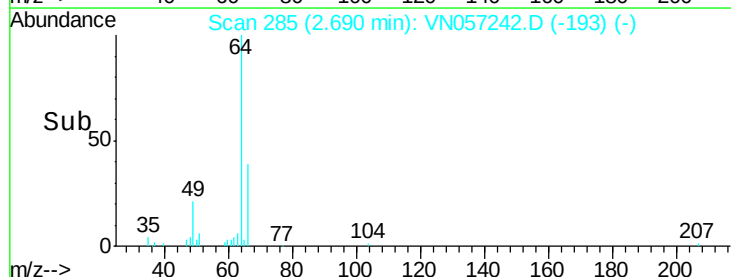
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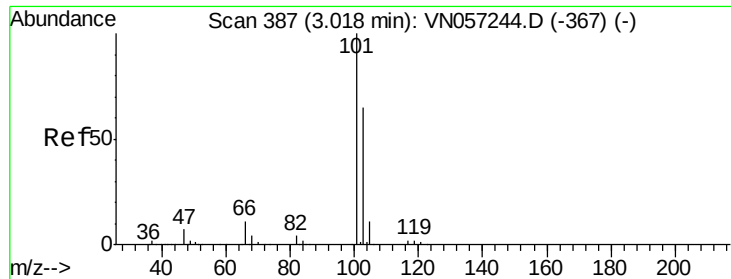
2.60

2.69

2.70

2.80





#7

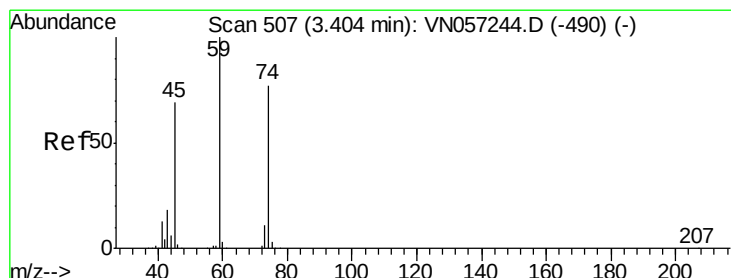
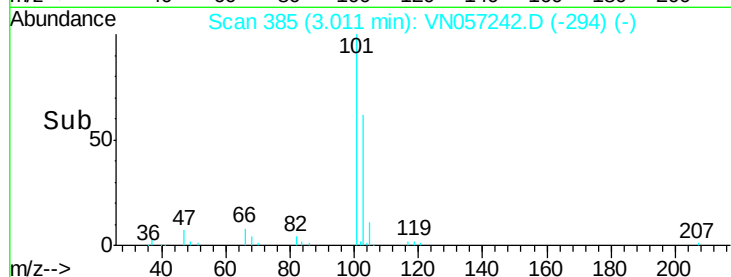
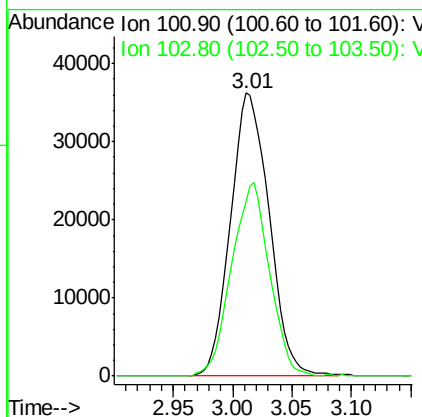
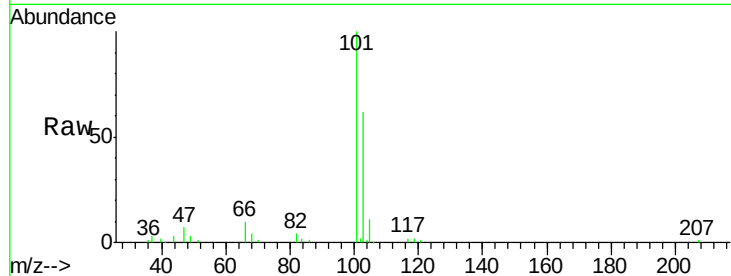
Trichlorofluoromethane
 Concen: 4.661 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.8	77.6

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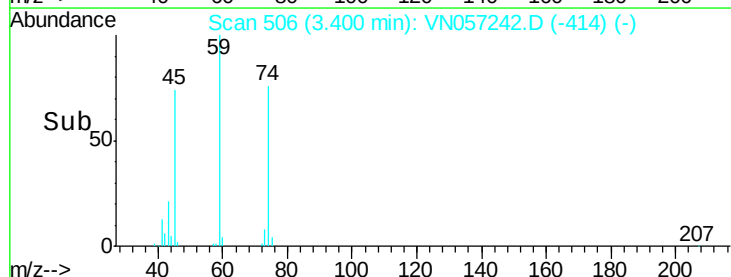
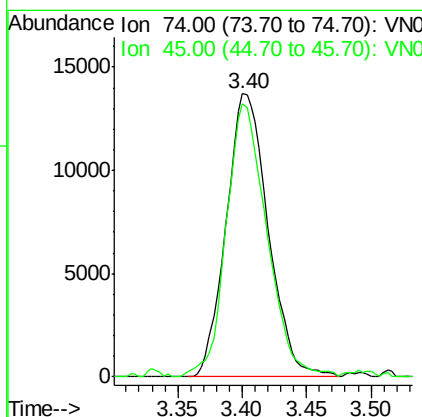
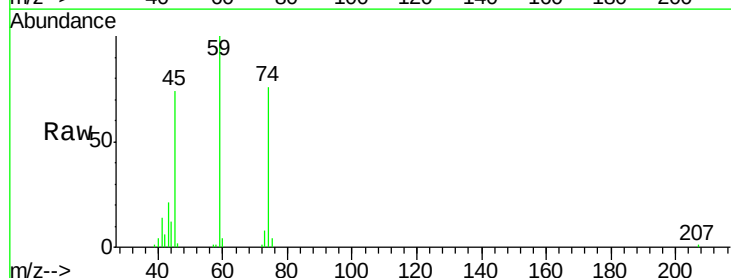
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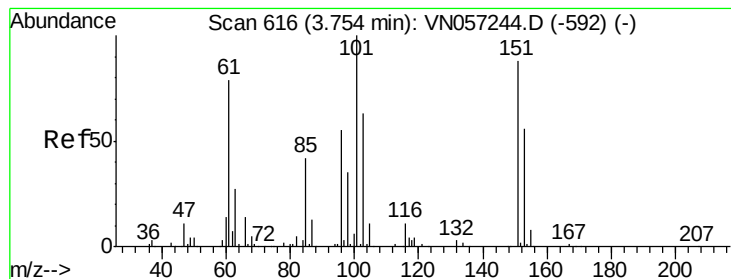


#8

Diethyl Ether
 Concen: 4.626 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	45.1	135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.890 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

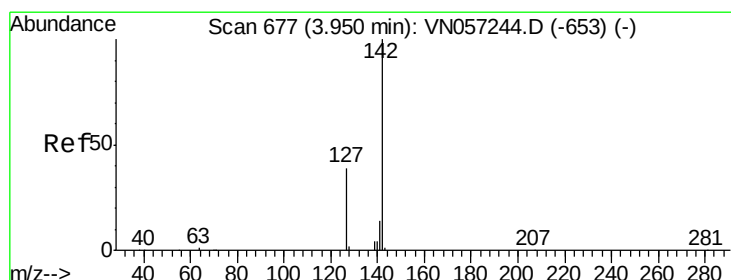
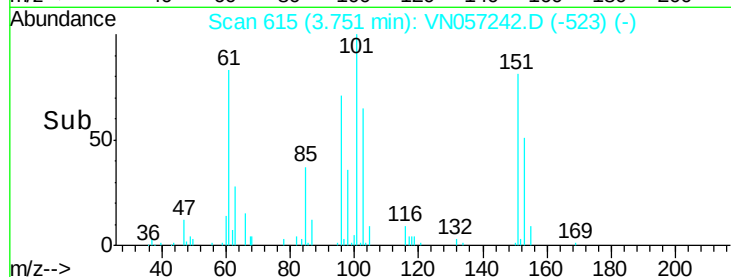
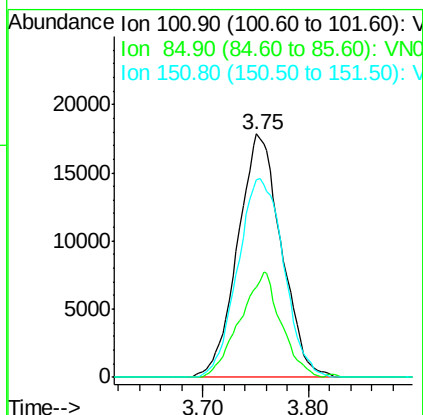
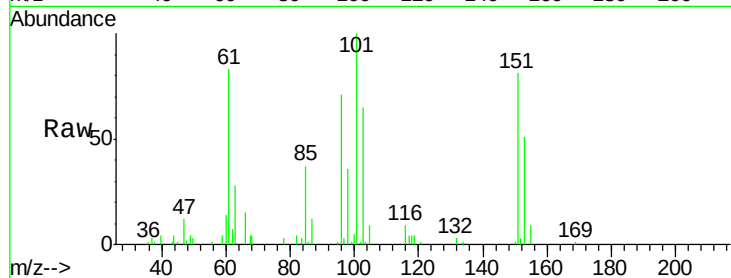
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	51276
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.7	49.1
151	86.1	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 4.841 ug/l

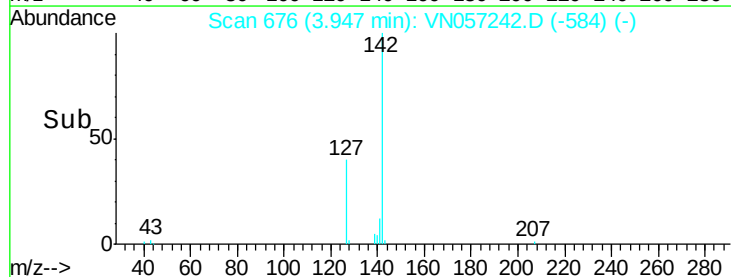
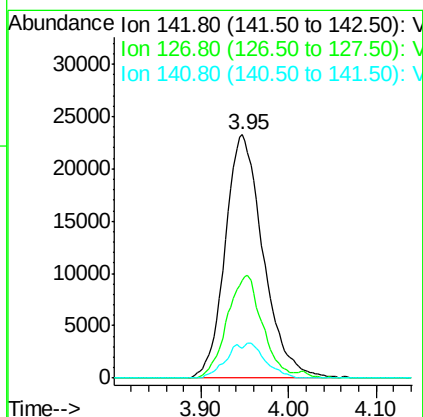
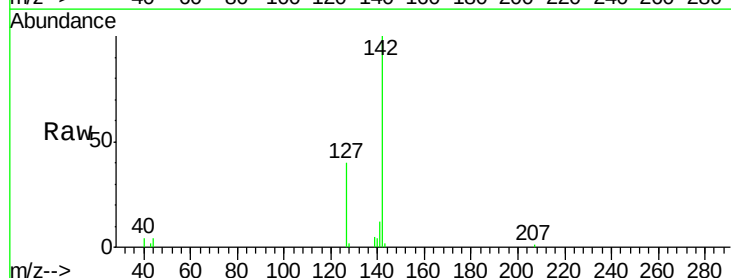
RT: 3.95 min Scan# 676

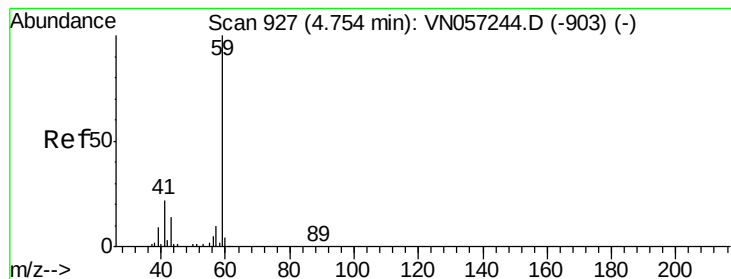
Delta R.T. -0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	142	Resp:	70110
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.7	46.1
141	6.4	11.0	16.6#





#11

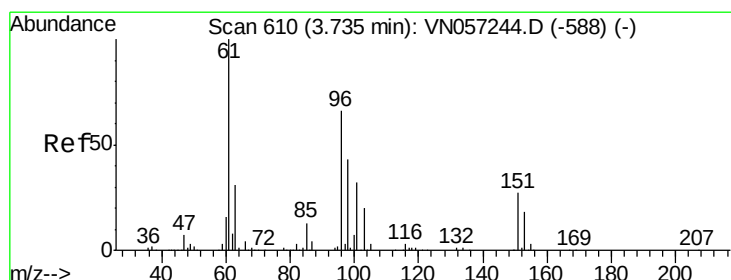
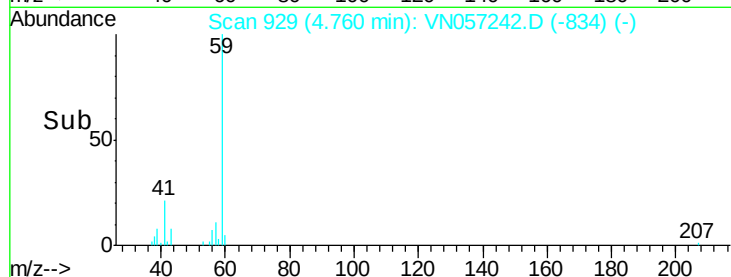
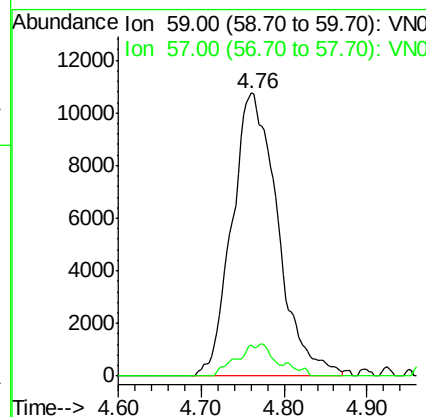
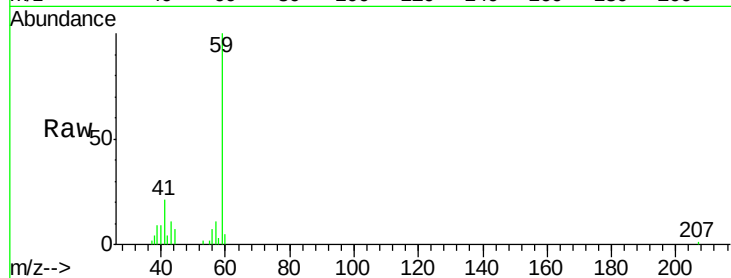
Tert butyl alcohol
 Concen: 20.916 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	3.4	5.2#

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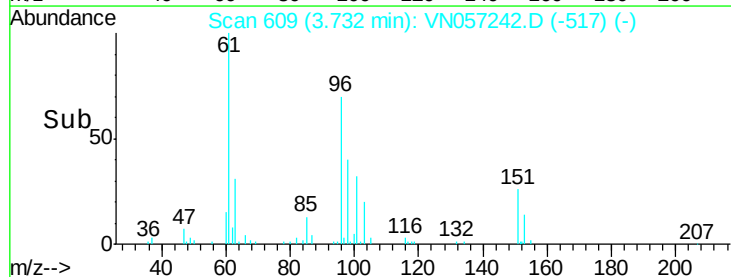
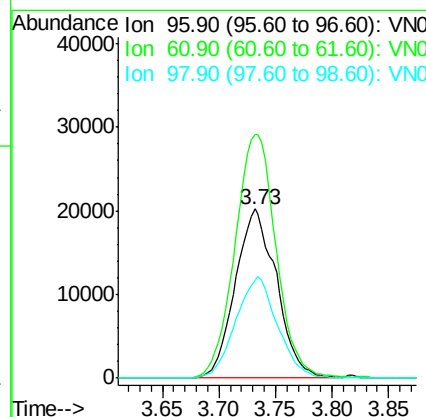
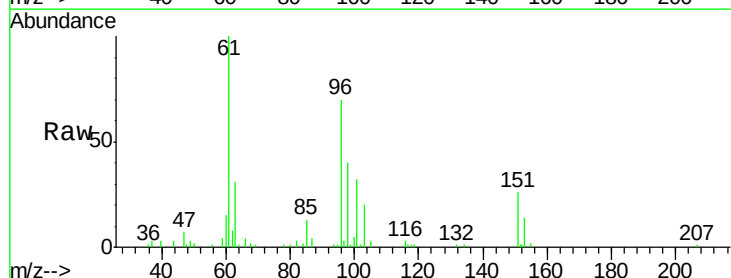
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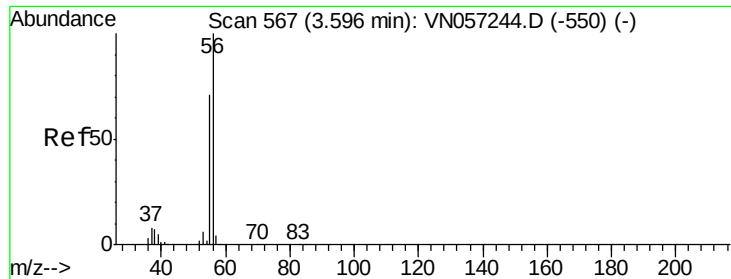


#12

1,1-Dichloroethene
 Concen: 4.889 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.8	121.1	181.7
98	57.9	52.0	78.0





#13

Acrolein

Concen: 34.287 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 28874

Ion Ratio Lower Upper

56 100

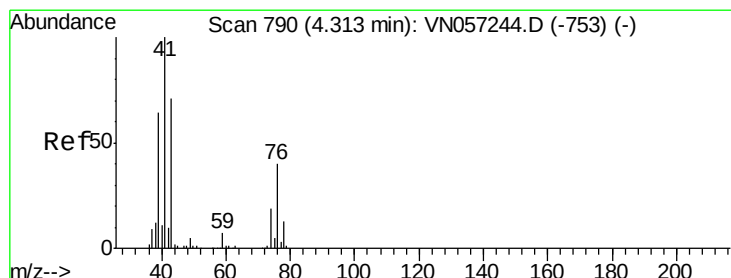
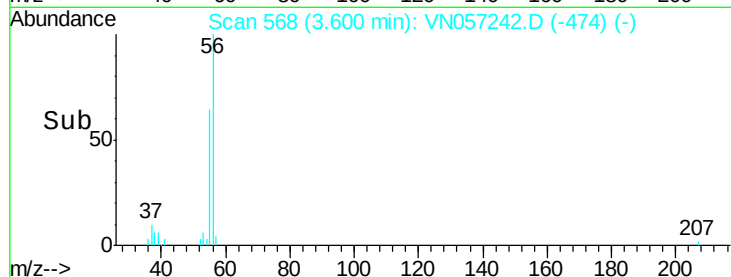
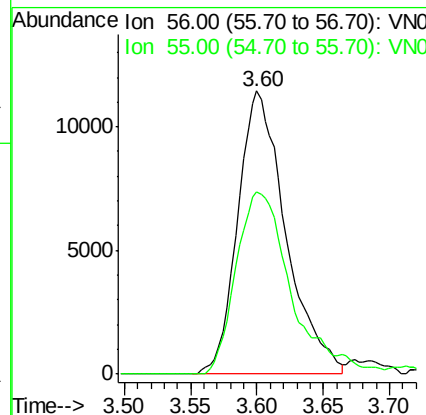
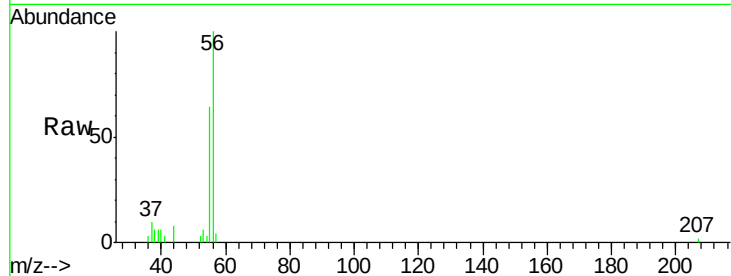
55 73.3 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 4.149 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

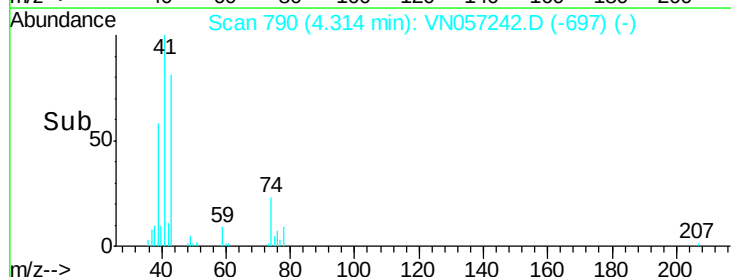
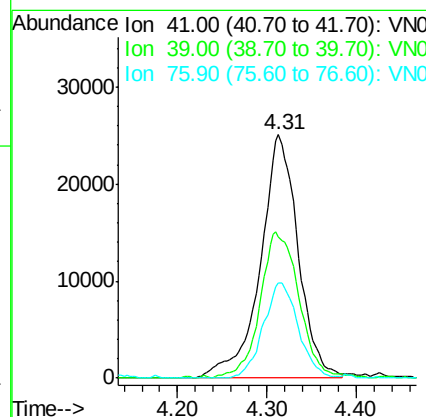
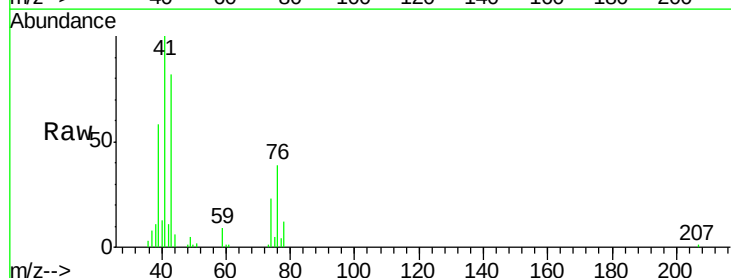
Tgt Ion: 41 Resp: 73868

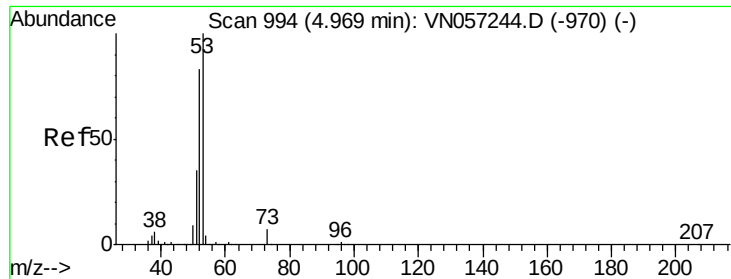
Ion Ratio Lower Upper

41 100

39 62.2 48.5 72.7

76 36.2 29.8 44.8





#15

Acrylonitrile

Concen: 19.171 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

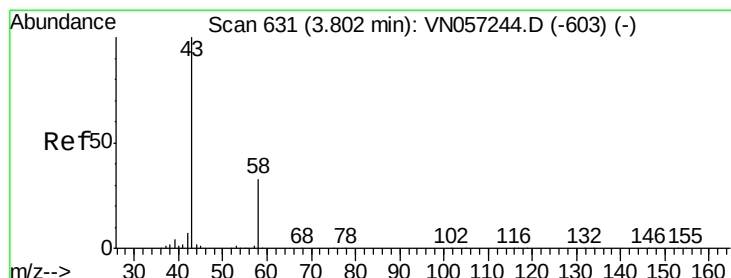
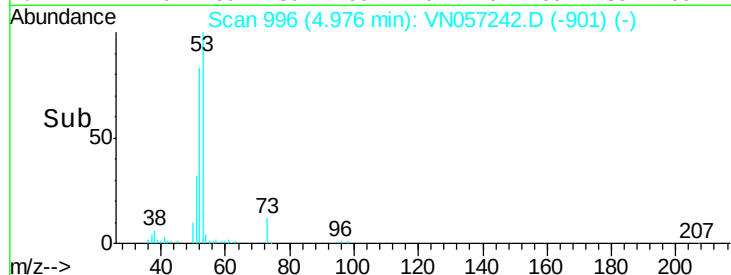
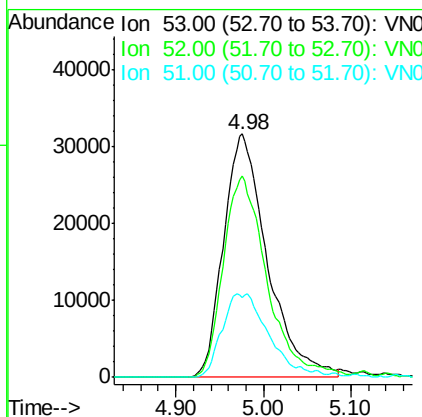
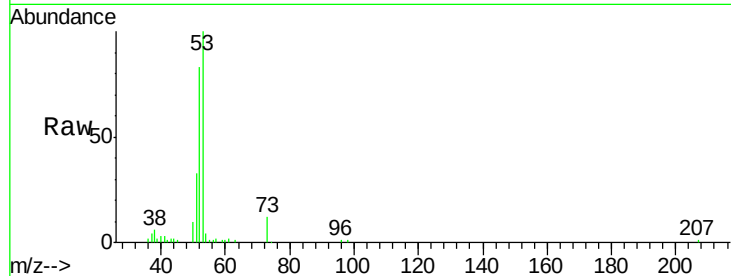
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	109895
Ion Ratio		Lower	Upper
53	100		
52	82.2	65.9	98.9
51	16.2	27.8	41.6#

Manual Integrations
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#16

Acetone

Concen: 17.493 ug/l

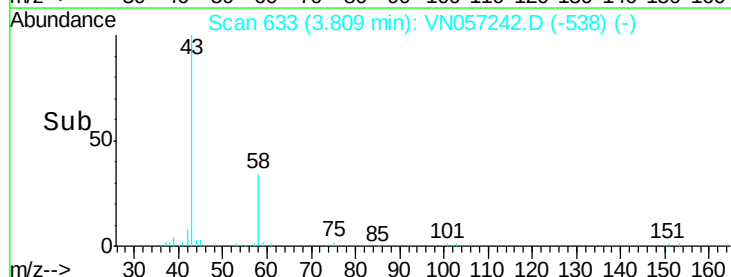
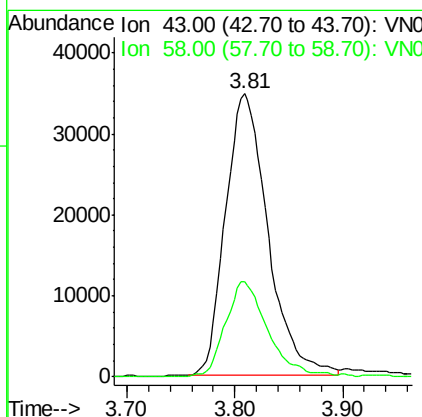
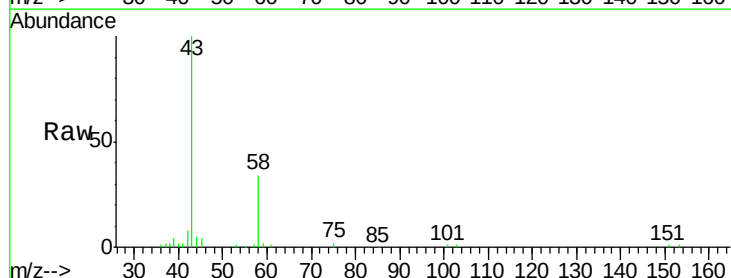
RT: 3.81 min Scan# 633

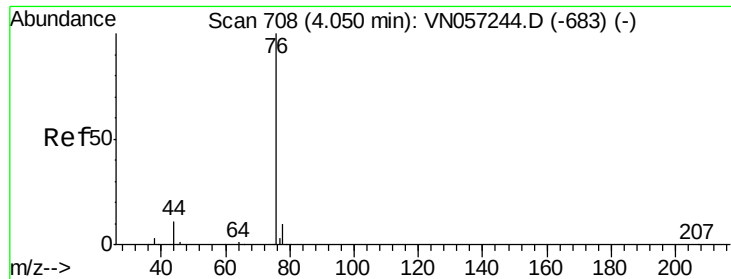
Delta R.T. 0.01 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	43	Resp:	95748
Ion Ratio		Lower	Upper
43	100		
58	34.0	26.7	40.1





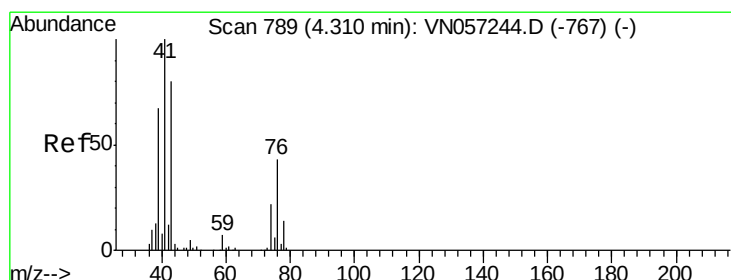
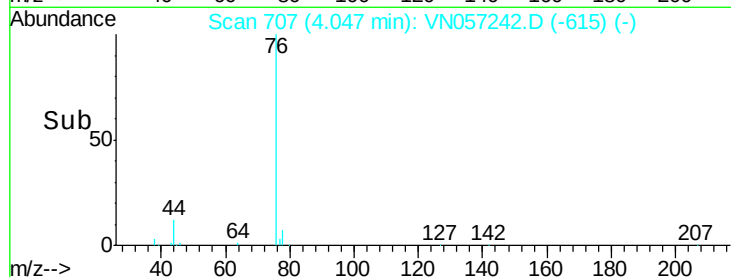
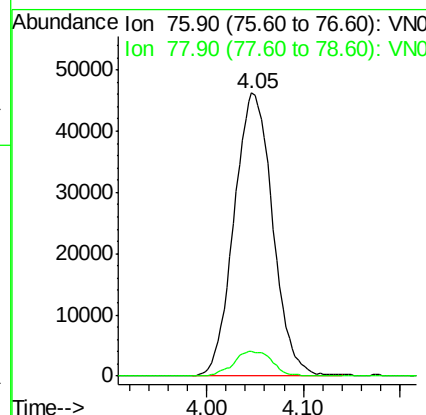
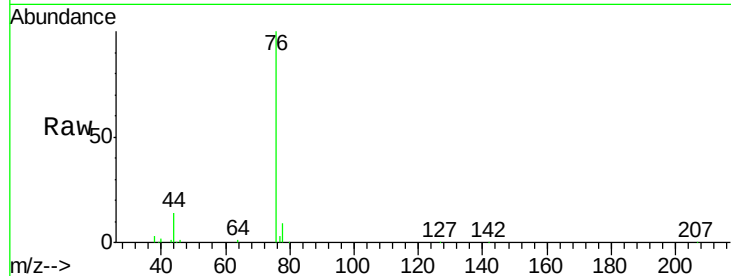
#17
Carbon Disulfide
Concen: 4.601 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

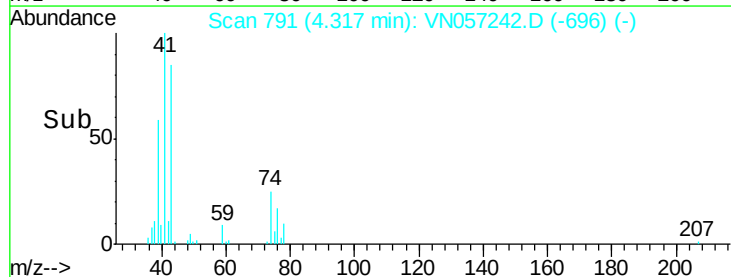
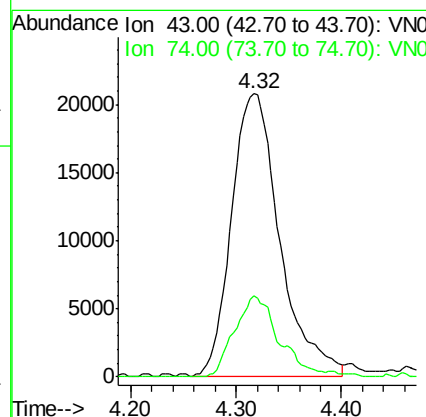
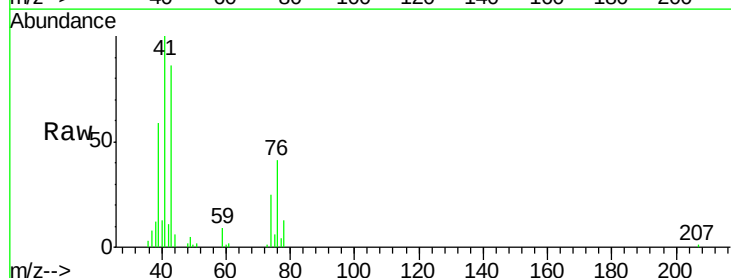
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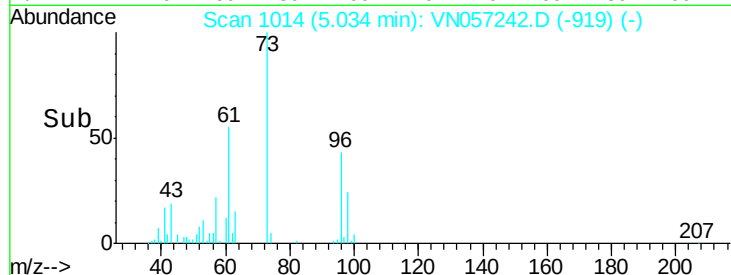
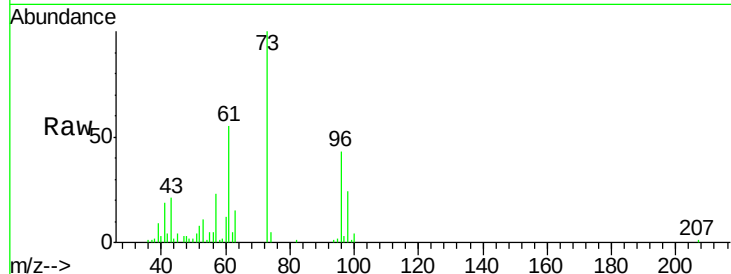
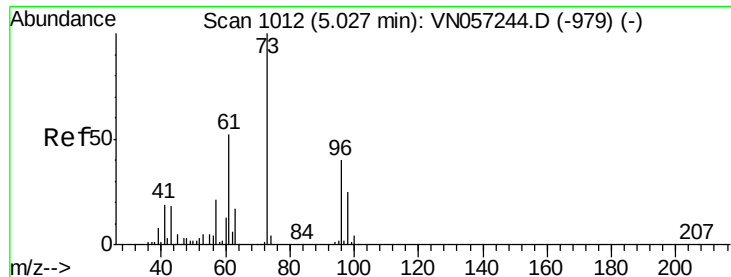
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#18
Methyl Acetate
Concen: 4.423 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.6	31.0





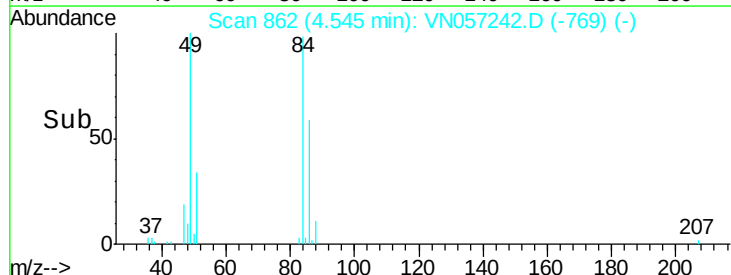
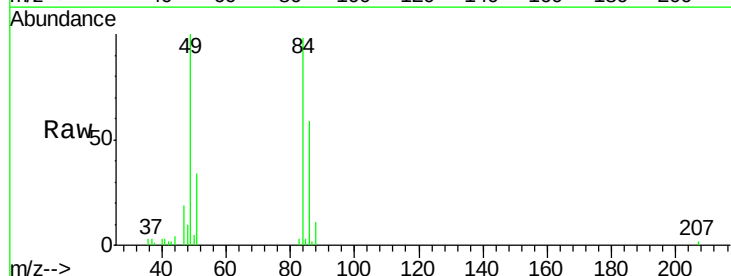
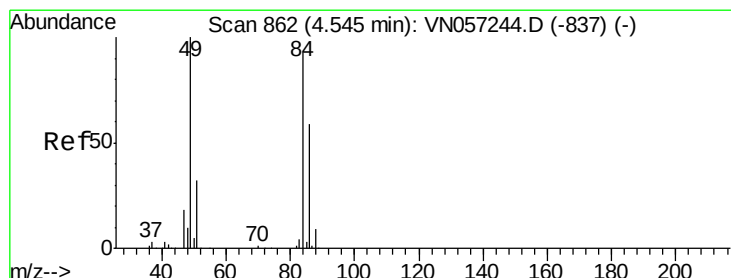
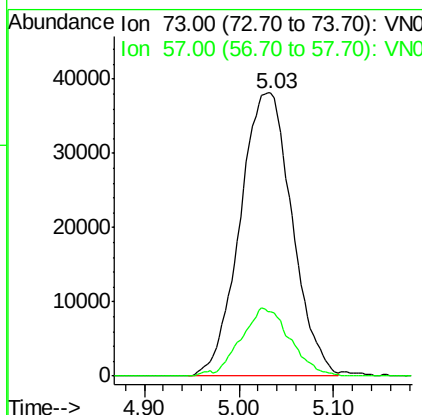
#19
Methyl tert-butyl Ether
Concen: 4.407 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tot Ion: 73 Resp: 145920
Ion Ratio Lower Upper
73 100
57 22.8 17.1 25.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

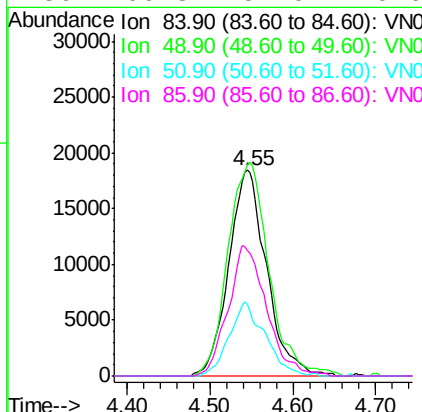
Manual Integrations
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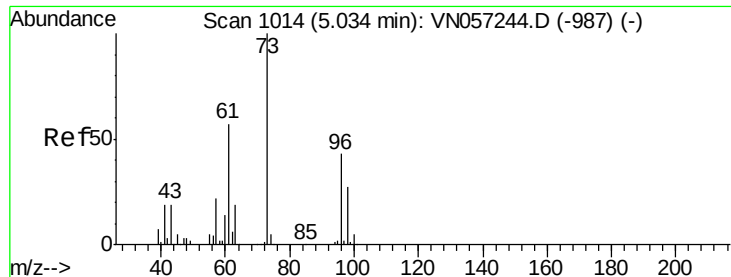
MMDadoda
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#20
Methylene Chloride
Concen: 4.726 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion: 84 Resp: 58478
Ion Ratio Lower Upper
84 100
49 102.6 85.9 128.9
51 35.1 27.1 40.7
86 60.8 51.0 76.6





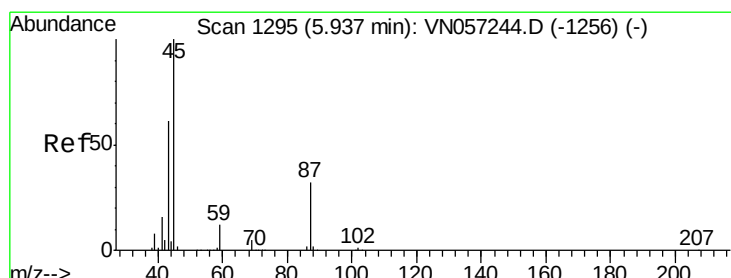
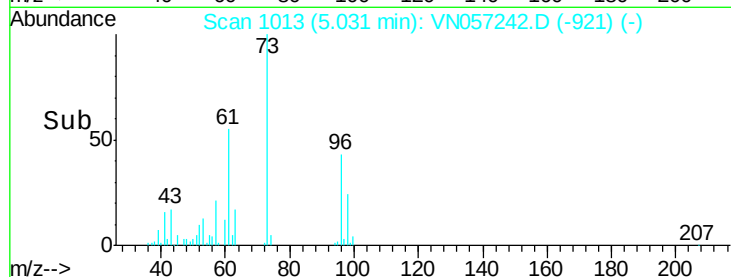
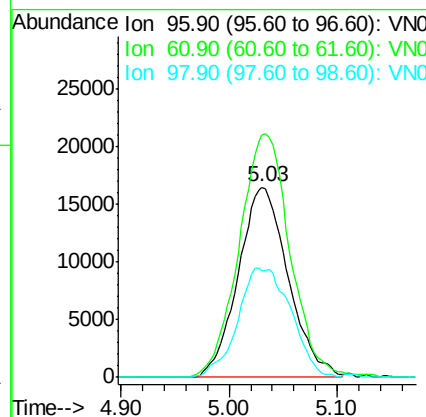
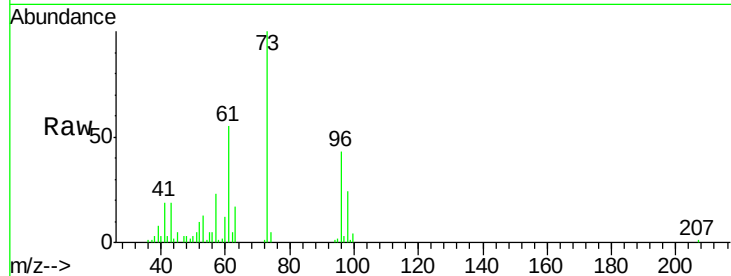
#21
trans-1,2-Dichloroethene
Concen: 4.804 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	104.6	156.8
98	56.4	49.7	74.5

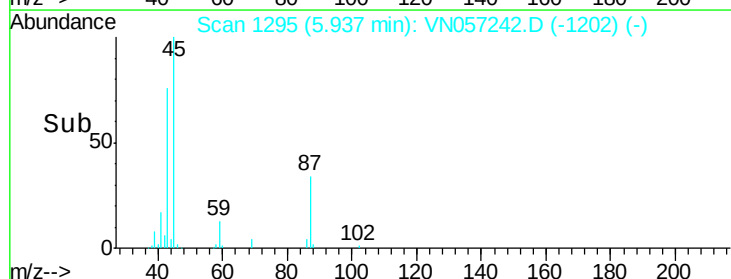
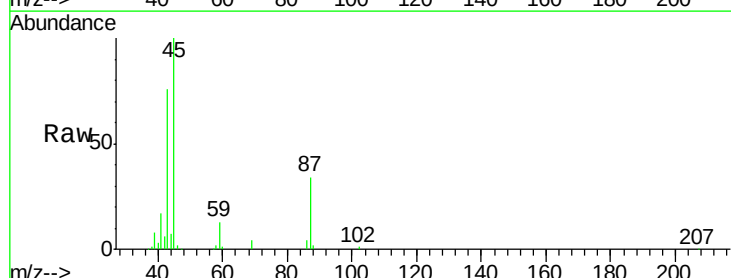
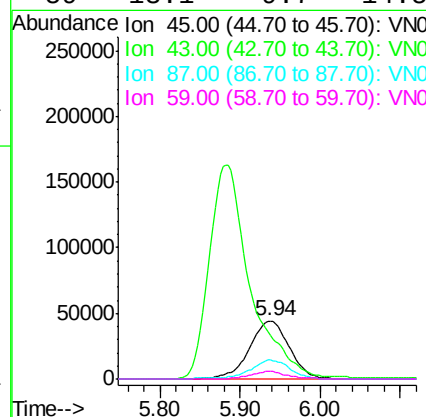
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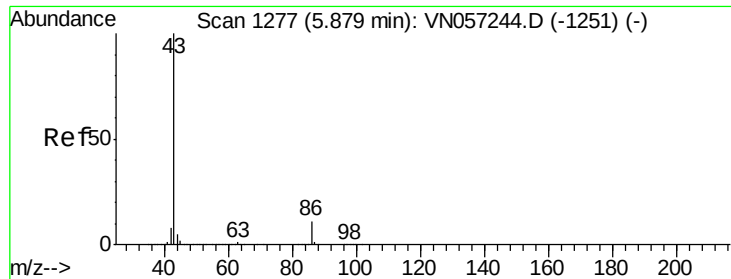
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#22
Diisopropyl ether
Concen: 4.306 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.5	48.9	73.3
87	33.6	25.5	38.3
59	13.1	9.7	14.5





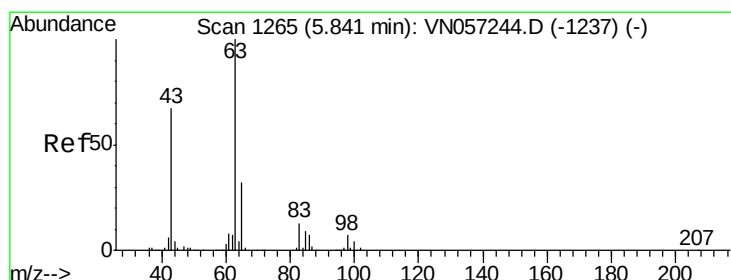
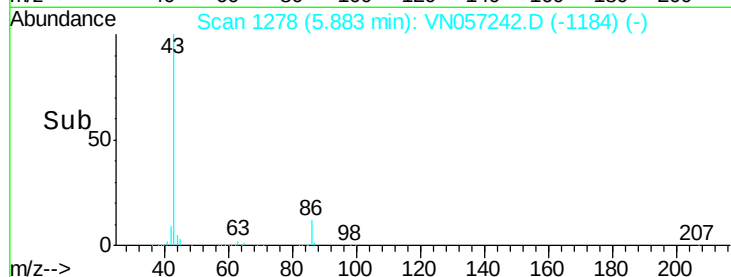
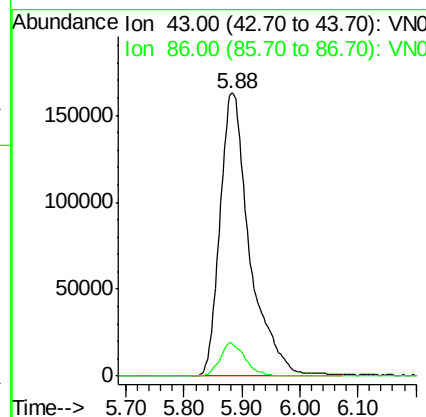
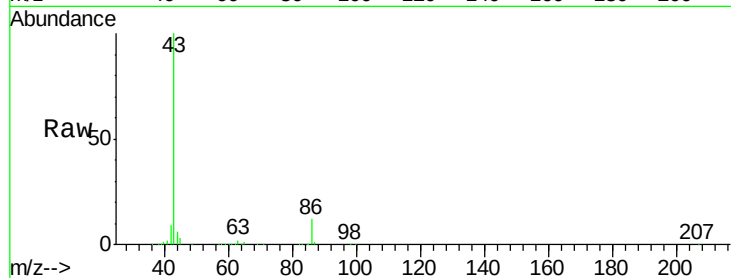
#23
 Vinyl Acetate
 Concen: 20.682 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8

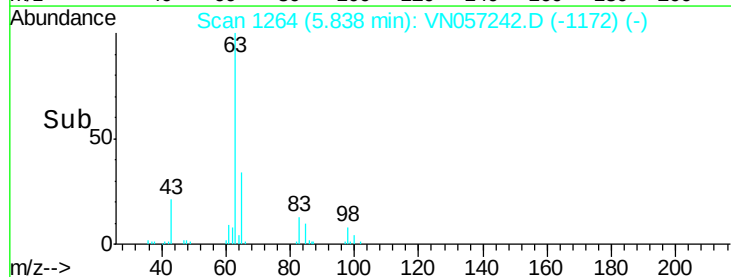
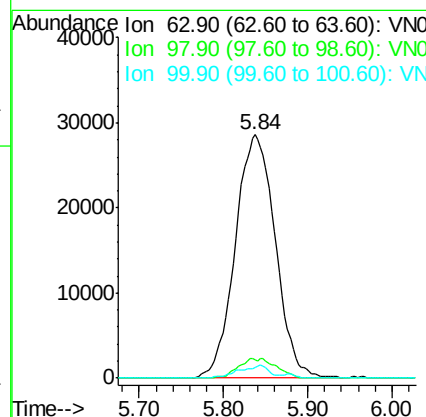
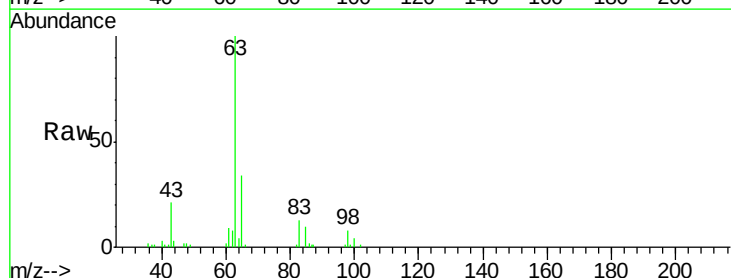
Manual Integrations
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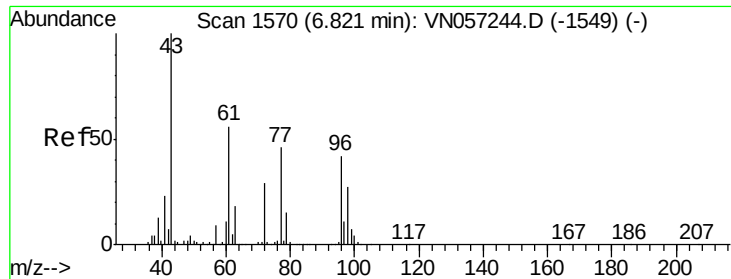
MMDadoda
 8/16/2019 8:58:17 AM



#24
 1,1-Dichloroethane
 Concen: 4.571 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.3	9.9
100	4.4	2.1	6.2





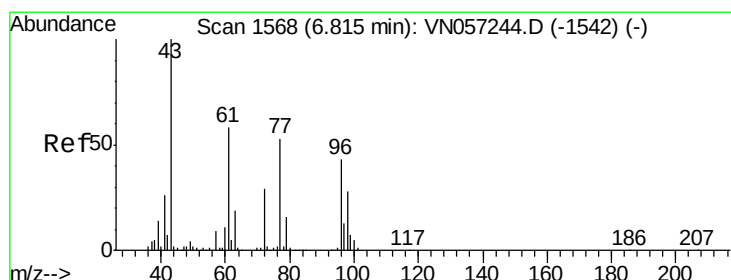
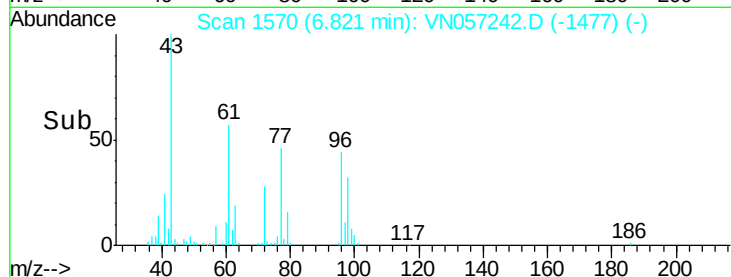
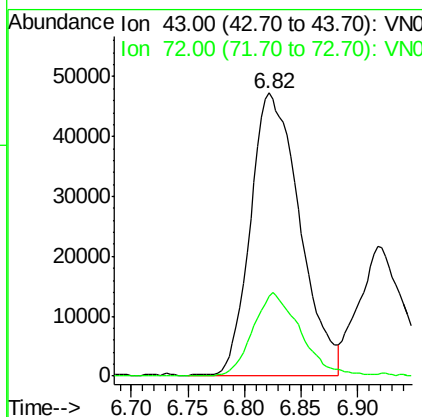
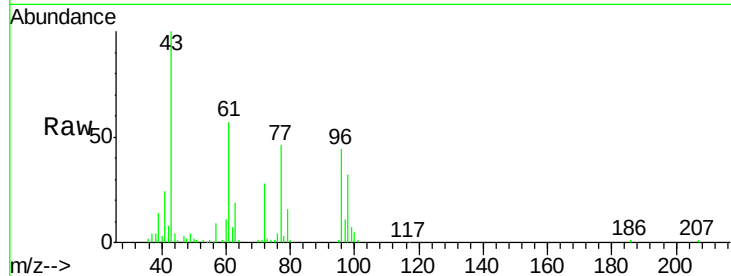
#25
2-Butanone
Concen: 18.041 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	143368
Ion Ratio	100	Lower	Upper
72	28.0	23.1	34.7

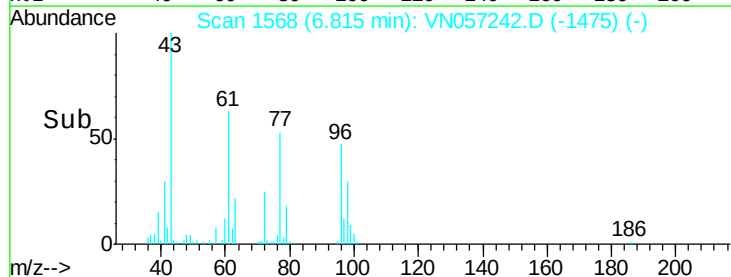
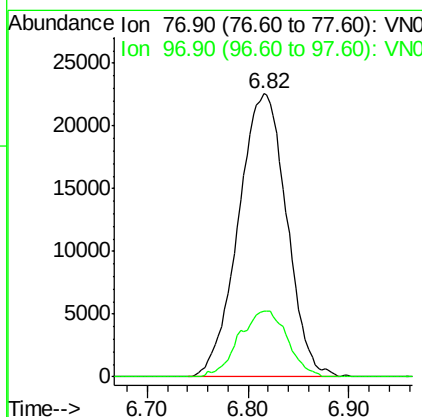
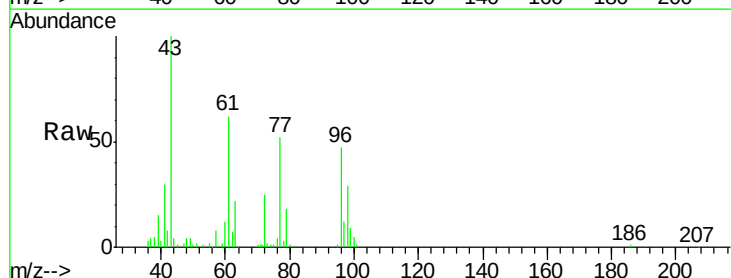
Manual Integrations
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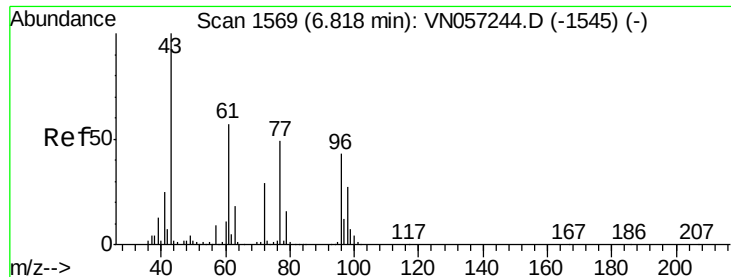
MMDadoda
8/16/2019 8:58:17 AM



#26
2,2-Dichloropropane
Concen: 4.938 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	77	Resp	74946
Ion Ratio	100	Lower	Upper
97	23.3	12.1	36.3





#27

cis-1,2-Dichloroethene

Concen: 4.882 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

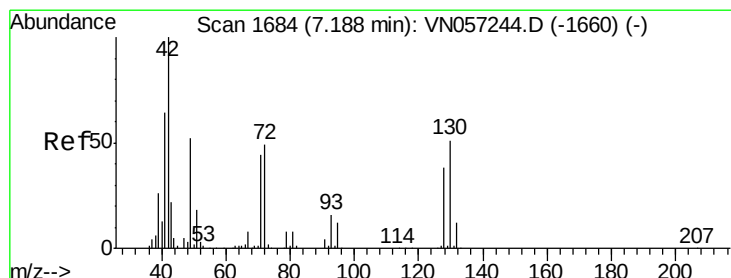
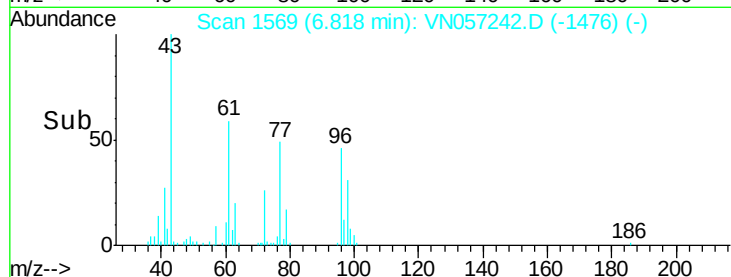
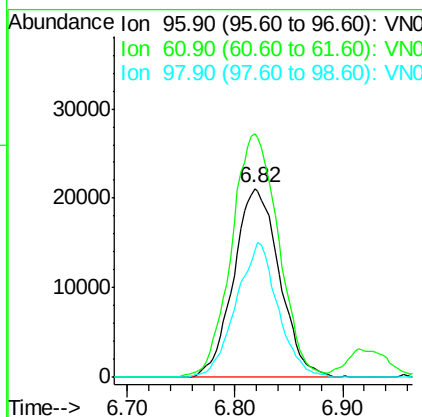
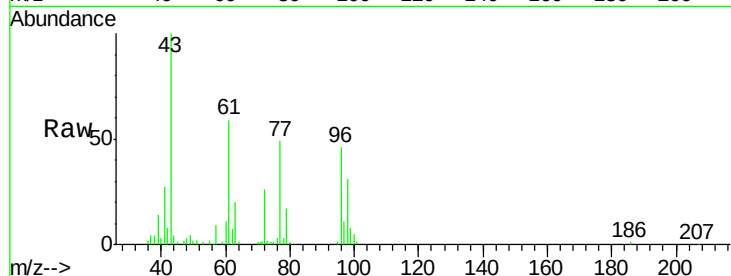
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	62235
Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	271.0
98	65.2	0.0	129.2

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#28

Bromochloromethane

Concen: 4.551 ug/l

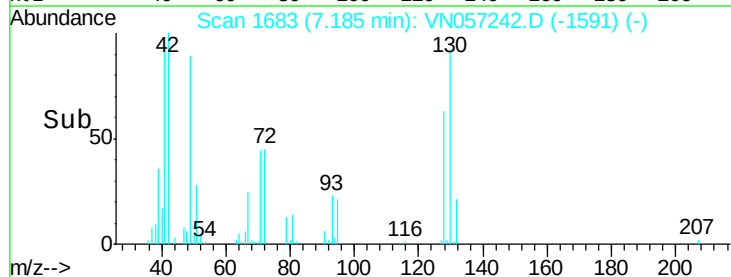
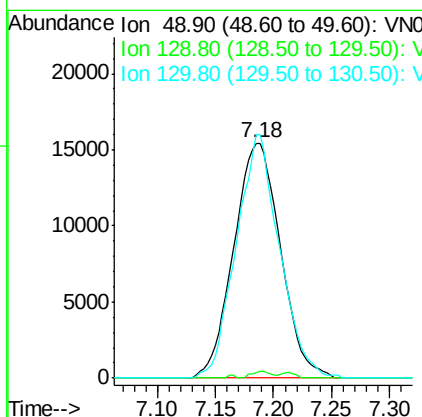
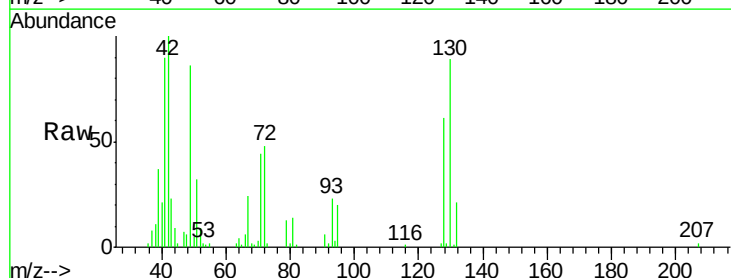
RT: 7.18 min Scan# 1683

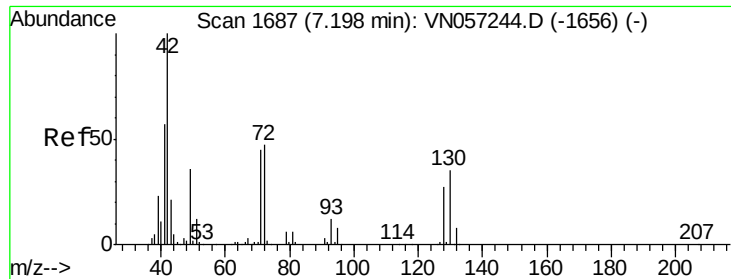
Delta R.T. -0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	49	Resp:	43223
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	96.0	75.6	113.4





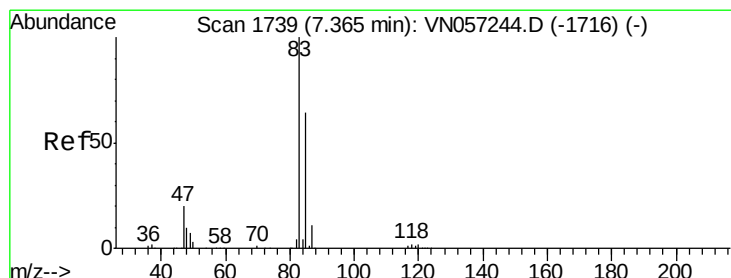
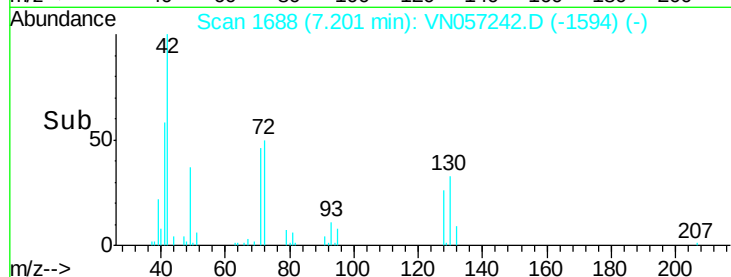
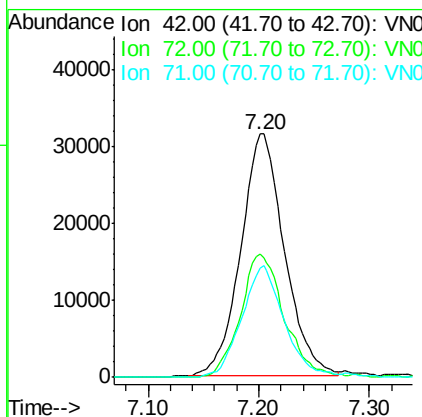
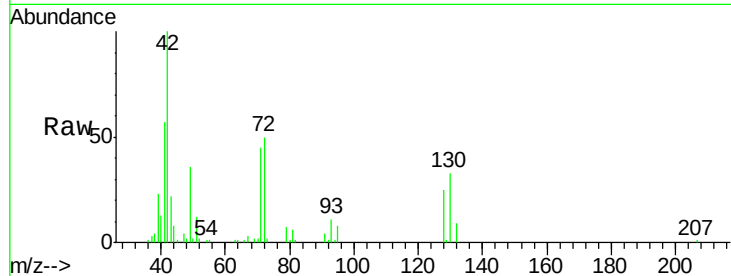
#29
Tetrahydrofuran
Concen: 16.714 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	37.6	56.4
71	44.9	35.6	53.4

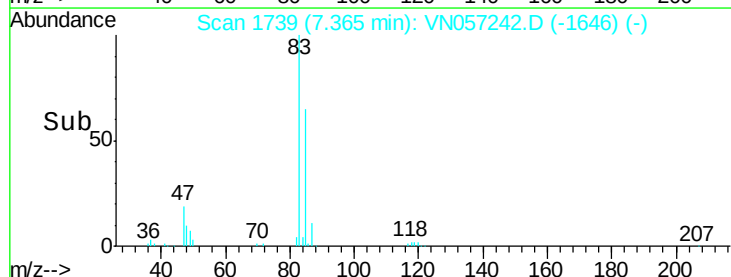
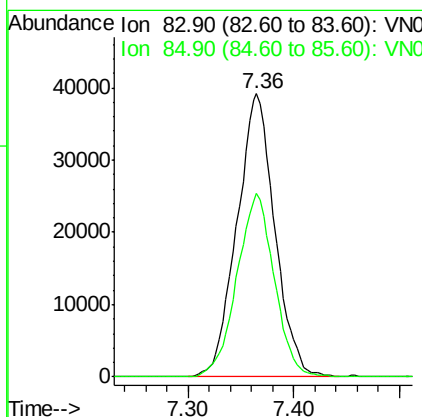
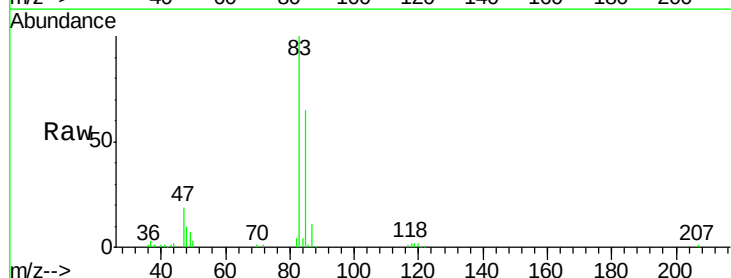
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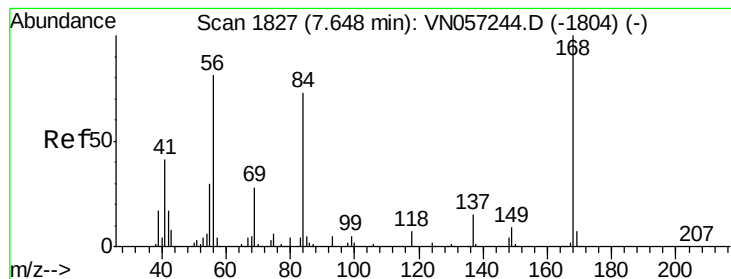
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#30
Chloroform
Concen: 4.713 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.3	76.9





#31

Cyclohexane

Concen: 4.805 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 92135

Ion Ratio Lower Upper

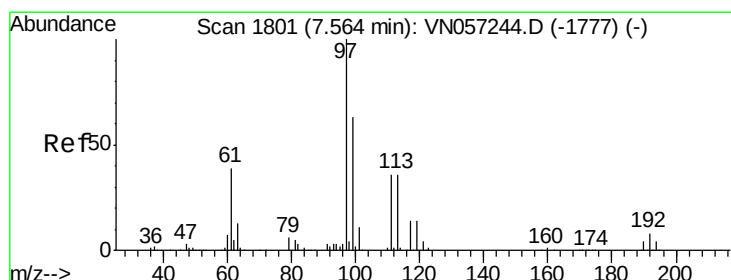
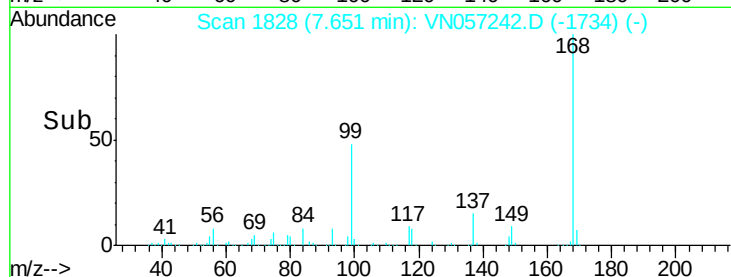
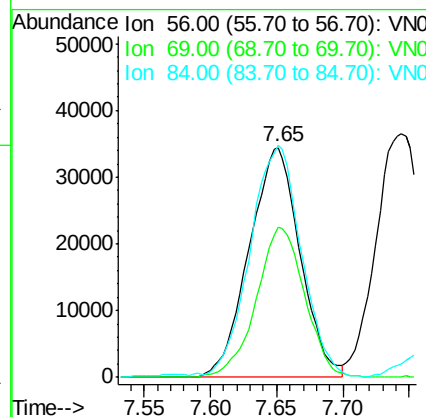
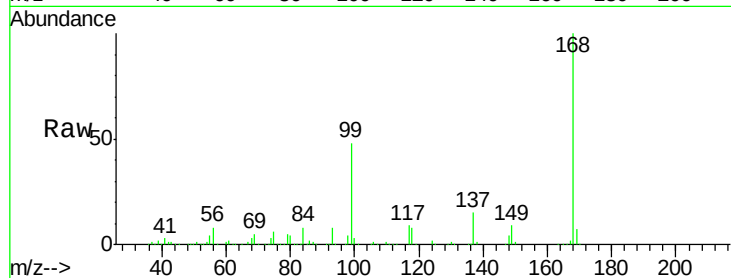
56 100

69 65.1 27.8 41.8#

84 99.3 72.0 108.0

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#32

1,1,1-Trichloroethane

Concen: 4.827 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

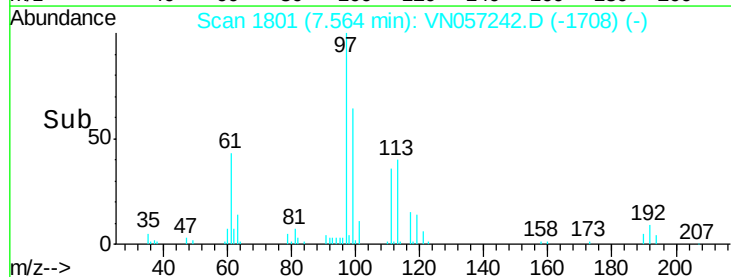
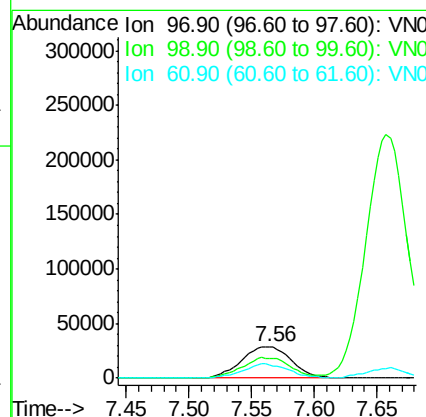
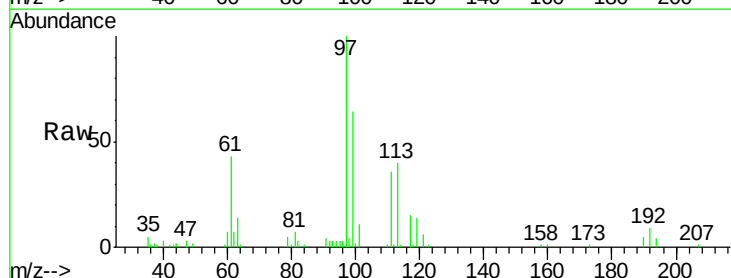
Tgt Ion: 97 Resp: 80024

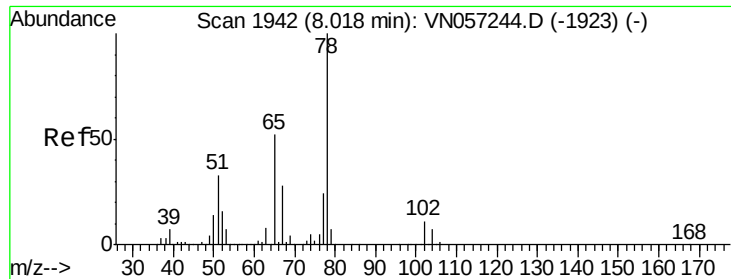
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 41.9 32.1 48.1





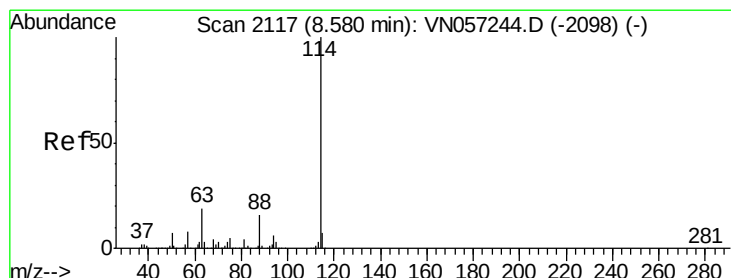
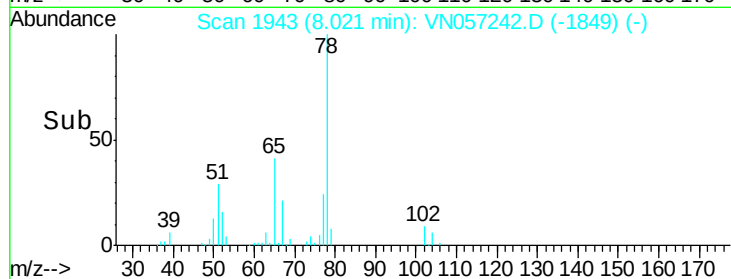
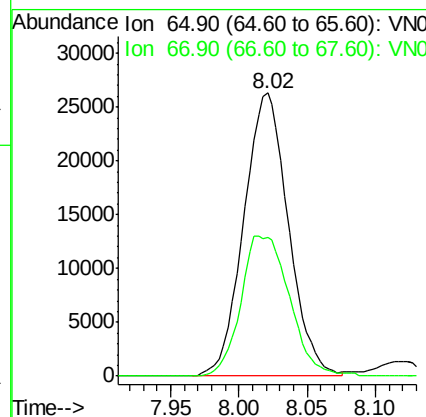
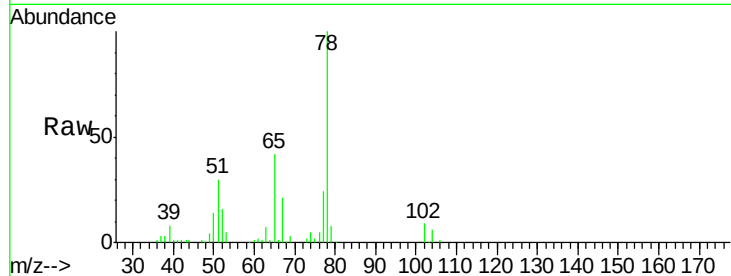
#33
 1,2-Dichloroethane-d4
 Concen: 4.828 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	59571		
67	53.8	0.0	107.0	

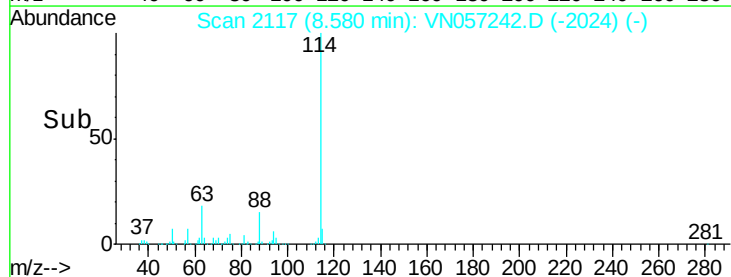
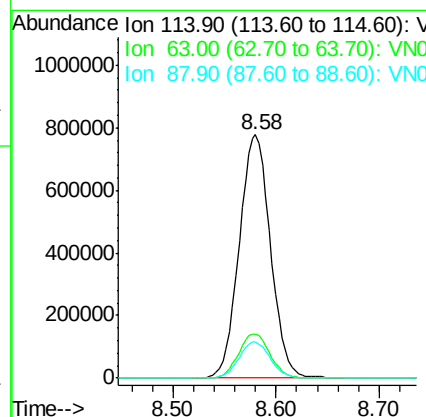
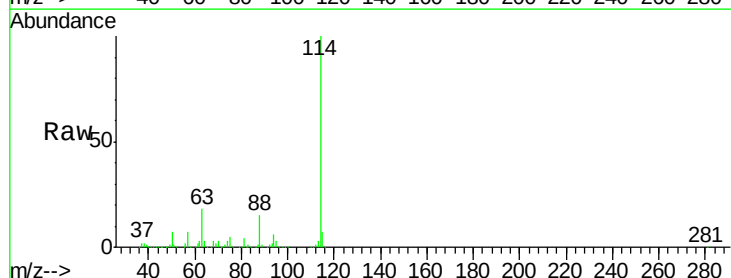
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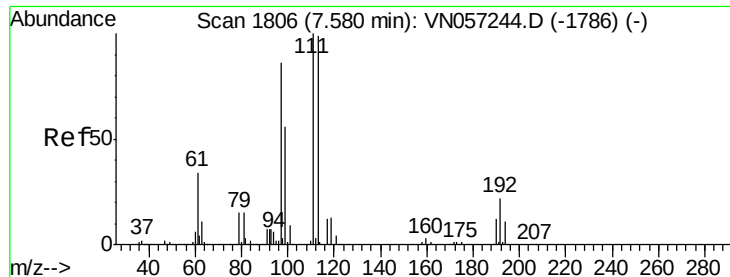
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1636688		
63	18.3	0.0	37.0	
88	14.7	0.0	31.0	





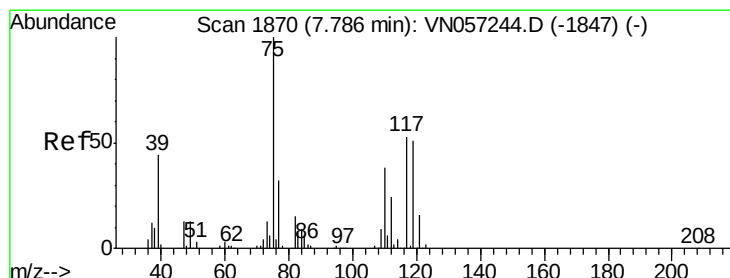
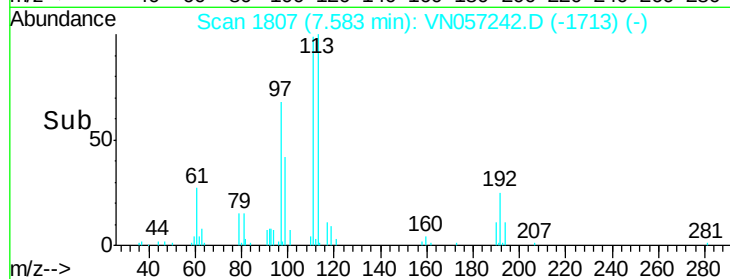
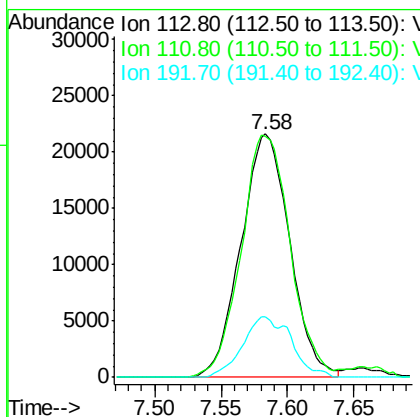
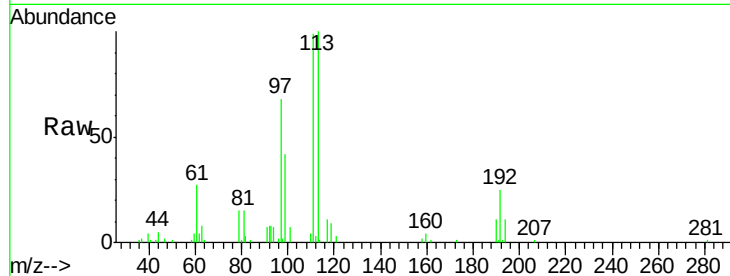
#35
 Dibromofluoromethane
 Concen: 5.384 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.2
192	24.8	18.8	28.2

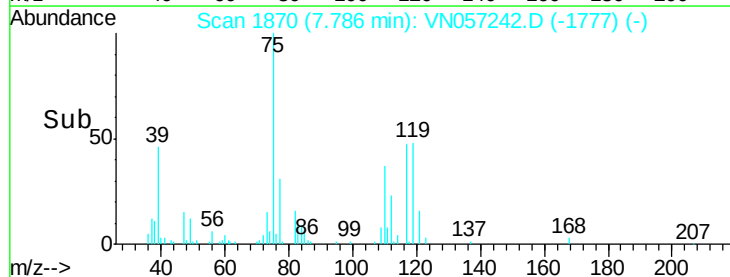
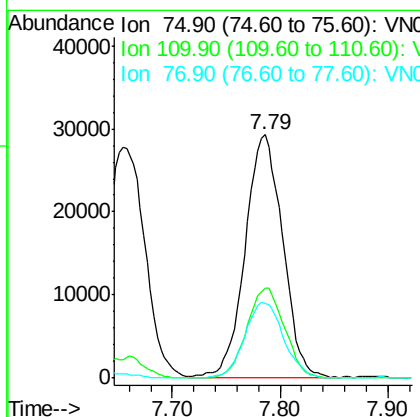
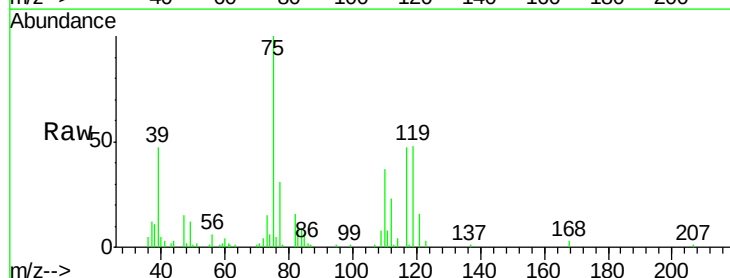
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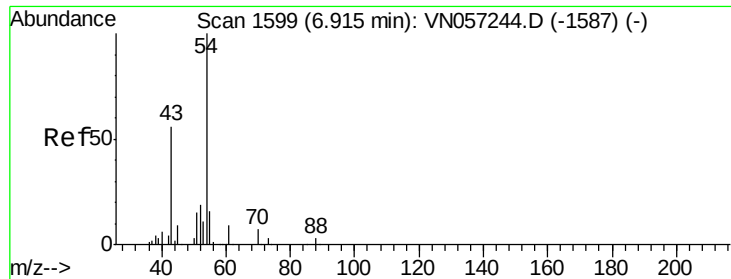
MMDadoda
 8/16/2019 8:58:17 AM



#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	19.1	57.1
77	32.1	25.2	37.8





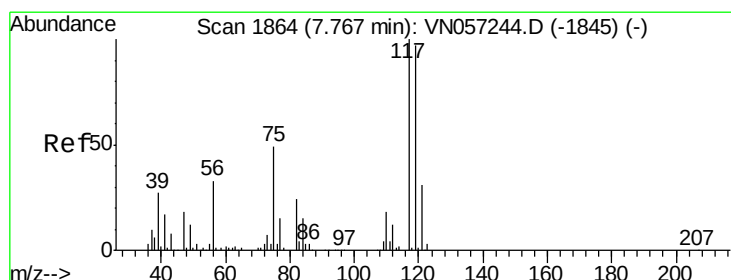
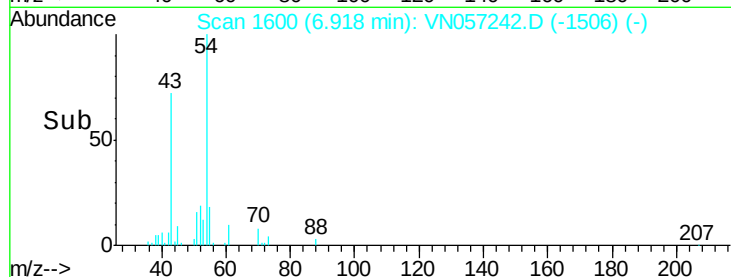
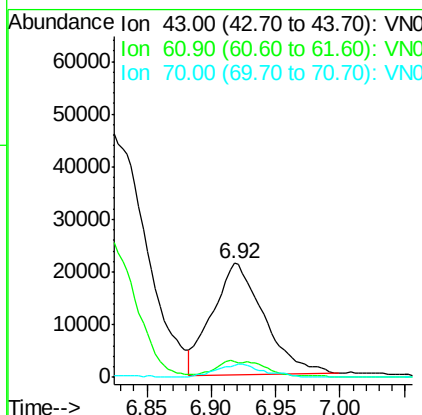
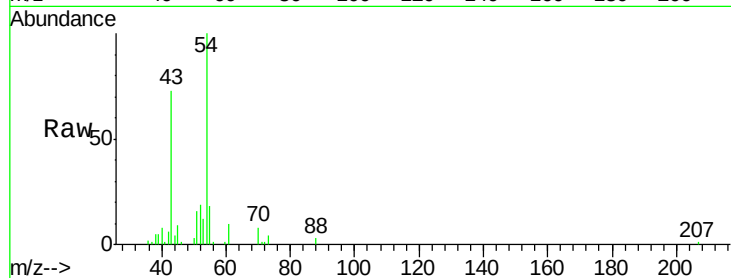
#37
Ethyl Acetate
Concen: 4.123 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.7	19.1
70	9.6	9.0	13.4

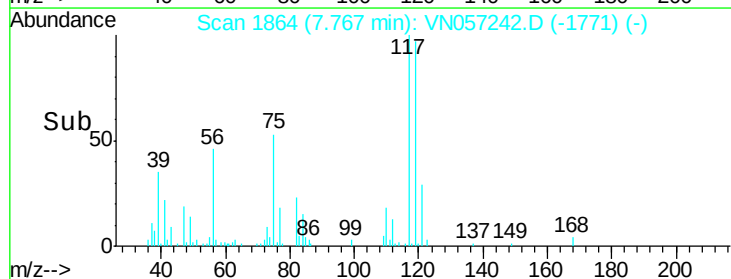
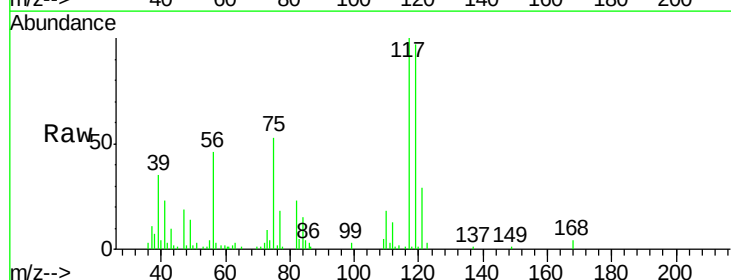
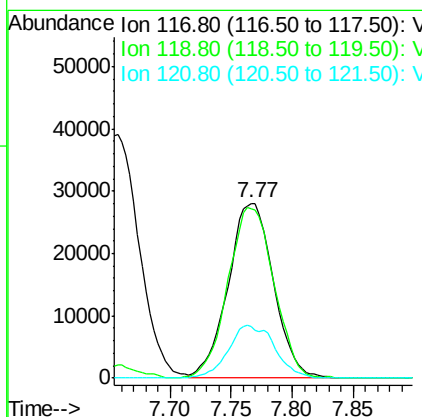
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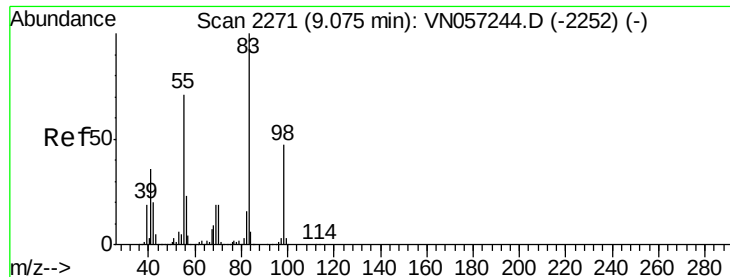
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#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
121	29.3	24.9	37.3





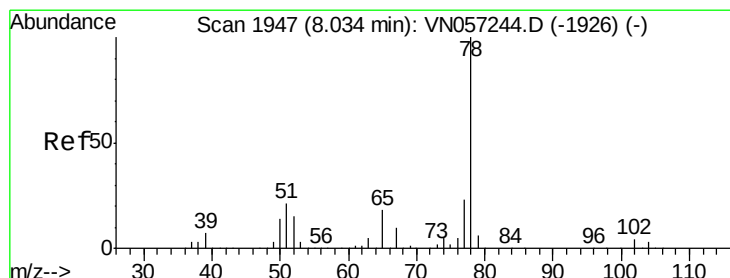
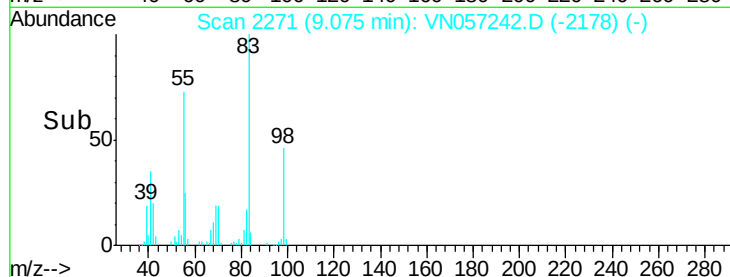
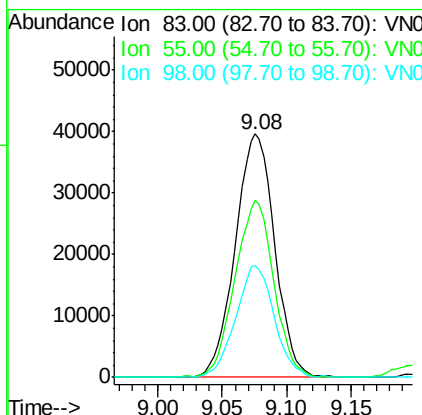
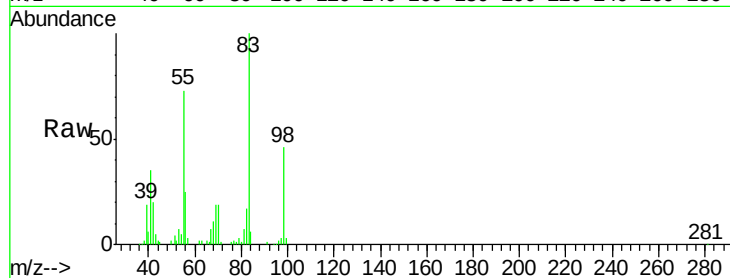
#39
Methylvlcyclohexane
Concen: 4.550 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	84281
Ion Ratio	Lower	Upper	
83	100		
55	72.5	57.0	85.4
98	46.0	37.2	55.8

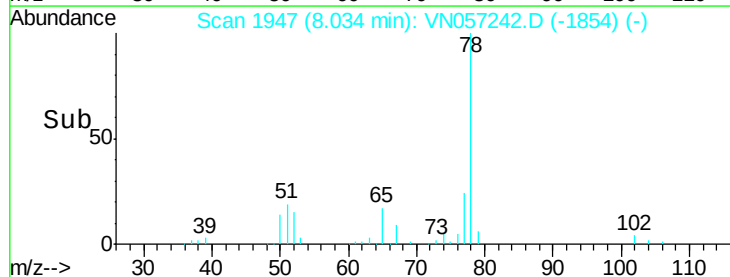
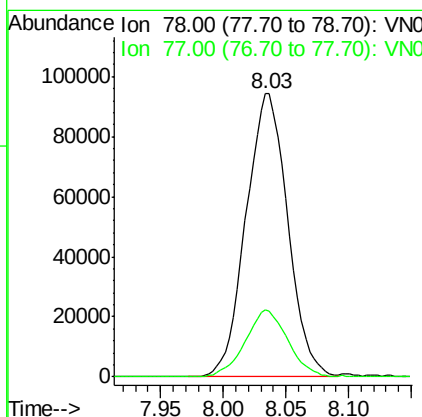
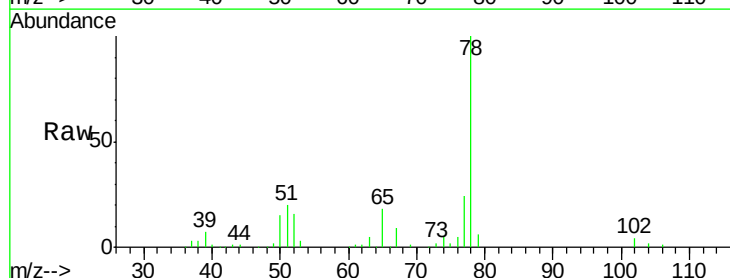
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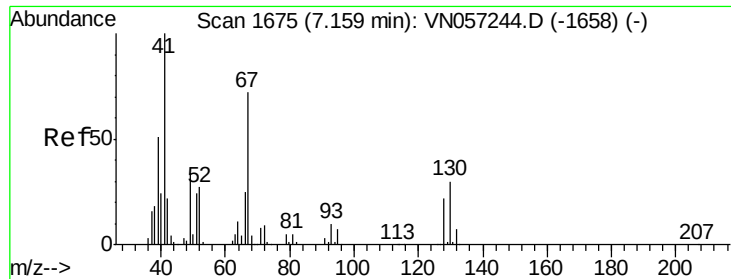
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#40
Benzene
Concen: 4.748 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	78	Resp	218750
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.2	27.4





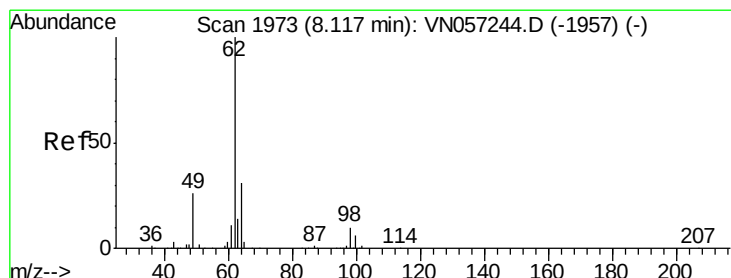
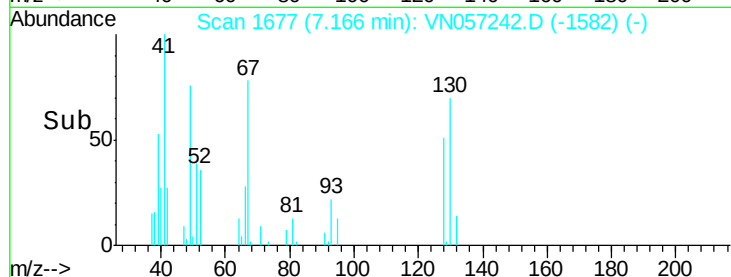
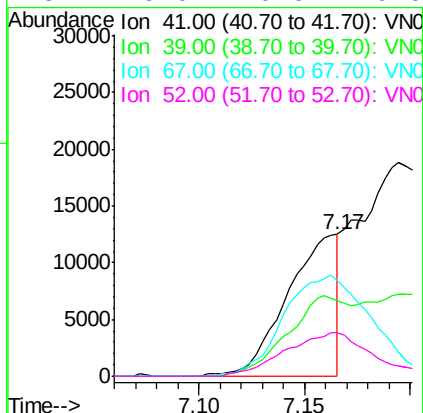
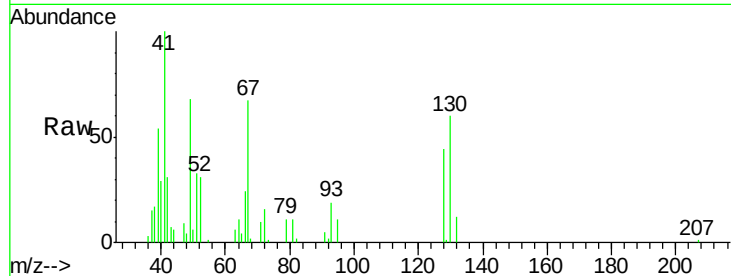
#41
Methacrylonitrile
Concen: 3.391 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

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

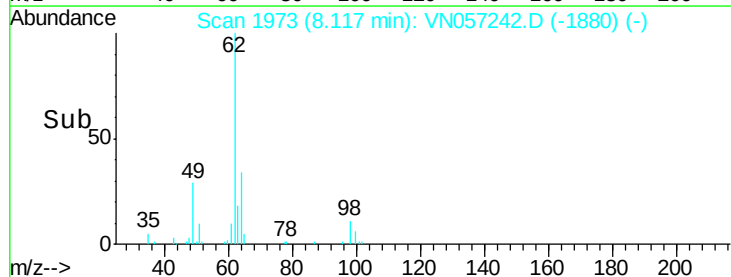
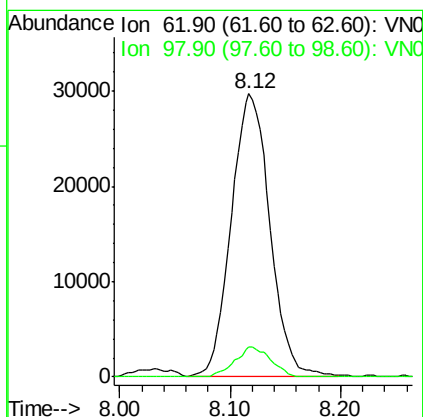
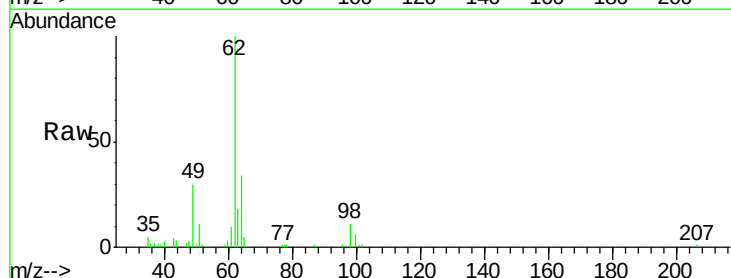
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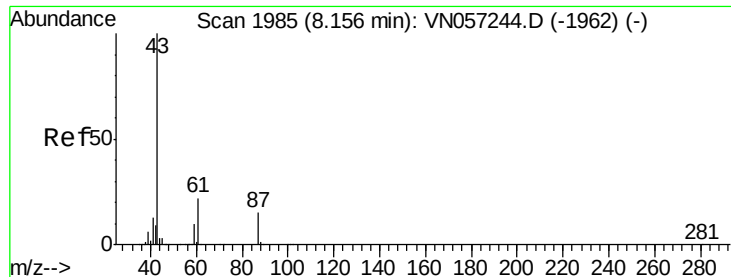
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#42
1,2-Dichloroethane
Concen: 4.939 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.0





#43

Isopropyl Acetate

Concen: 4.506 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

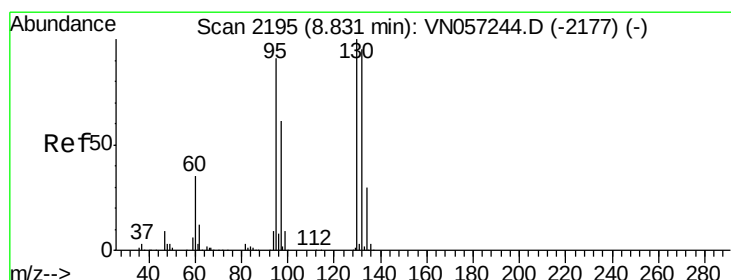
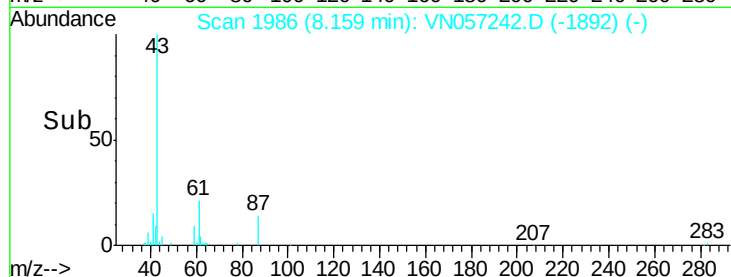
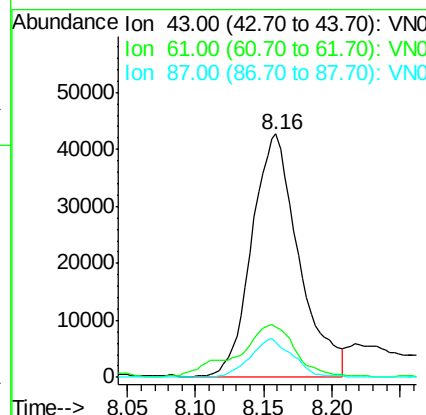
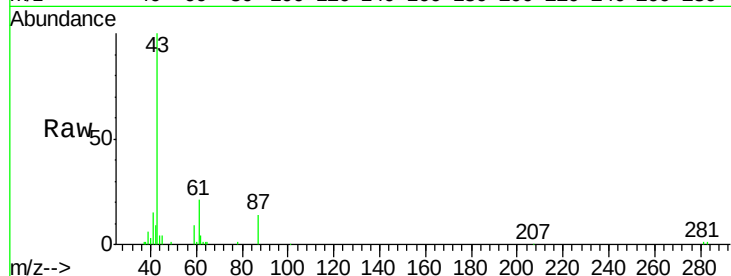
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	102610
Ion	Ratio	Lower	Upper
43	100		
61	27.0	23.5	35.3
87	14.4	12.1	18.1

Manual Integrations
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8/16/2019 8:58:17 AM



#44

Trichloroethene

Concen: 5.111 ug/l

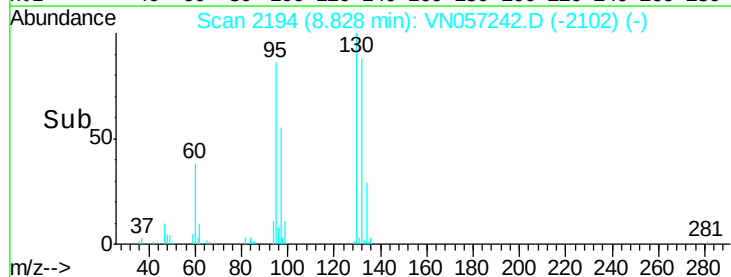
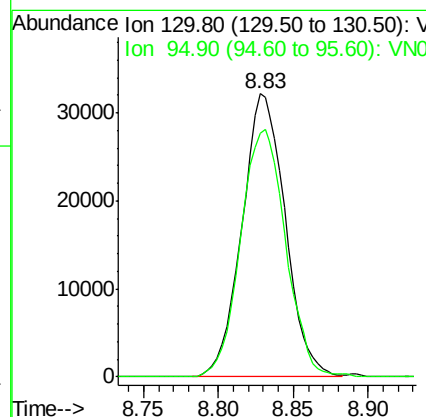
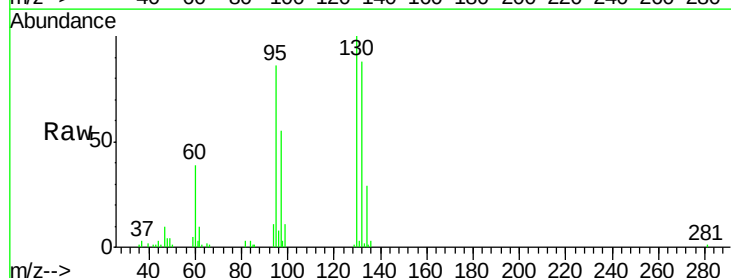
RT: 8.83 min Scan# 2194

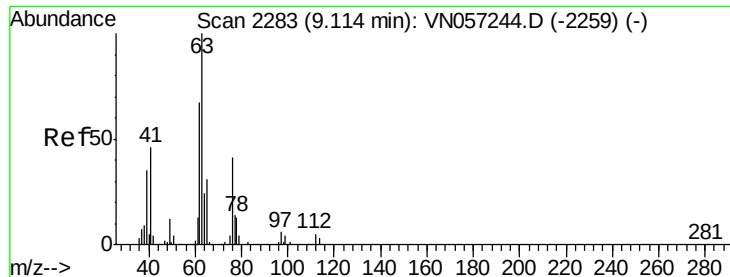
Delta R.T. -0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	130	Resp:	64740
Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	181.8





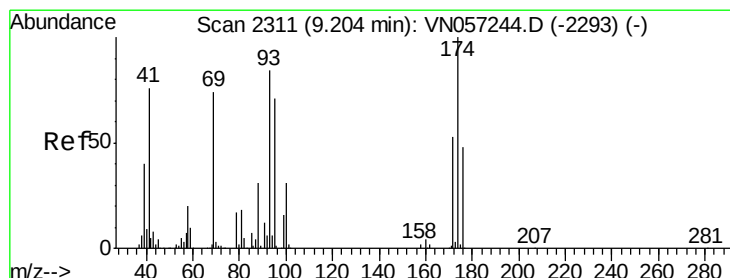
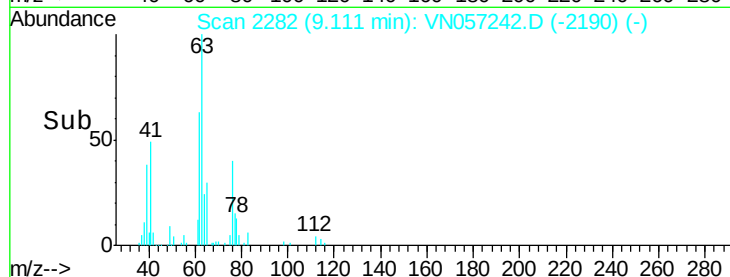
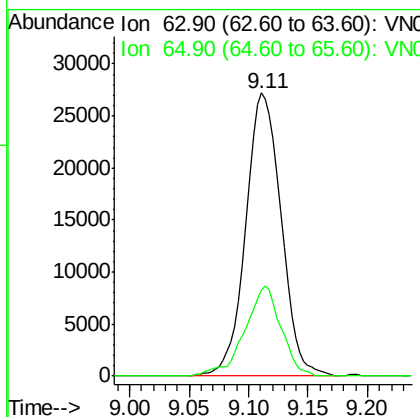
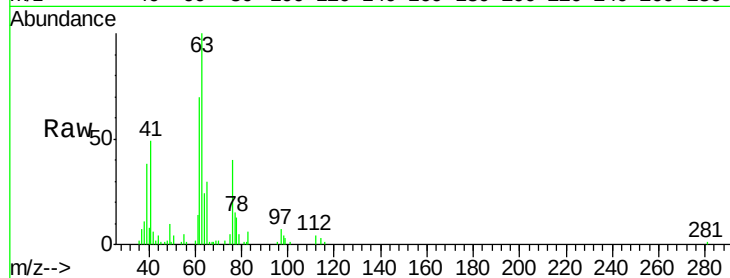
#45
 1,2-Dichloropropane
 Concen: 4.635 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.0	37.4

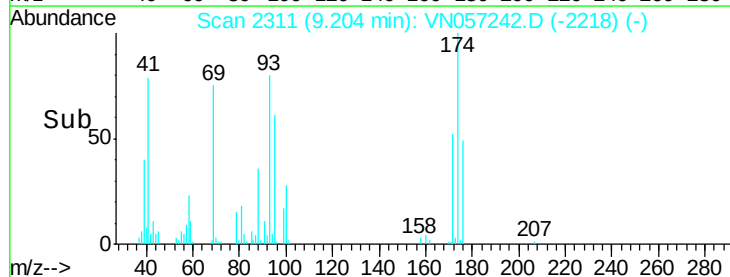
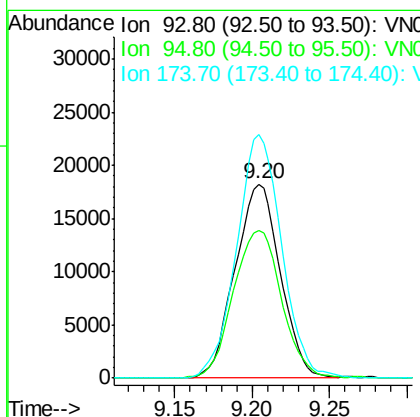
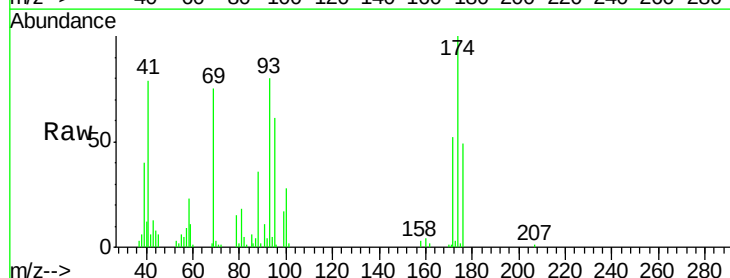
Manual Integrations
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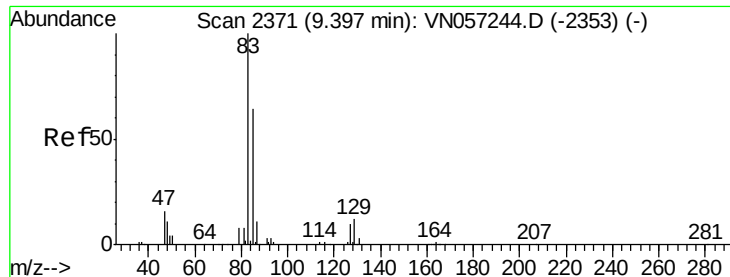
MMDadoda
 8/16/2019 8:58:17 AM



#46
 Dibromomethane
 Concen: 4.869 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	67.0	100.4
174	125.6	96.2	144.2





#47

Bromodichloromethane

Concen: 4.762 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

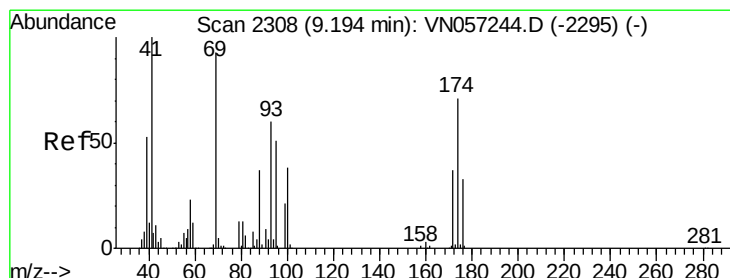
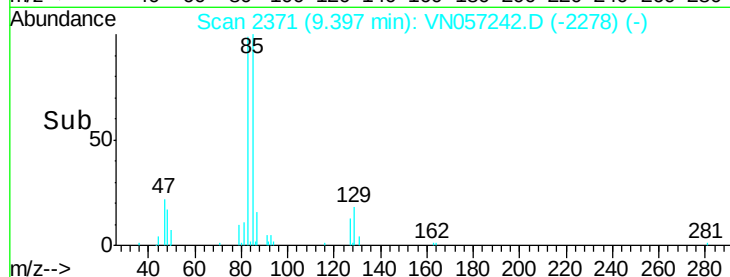
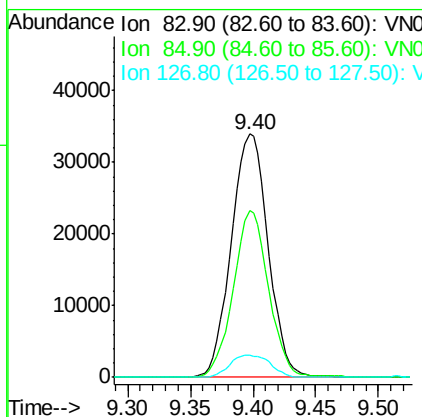
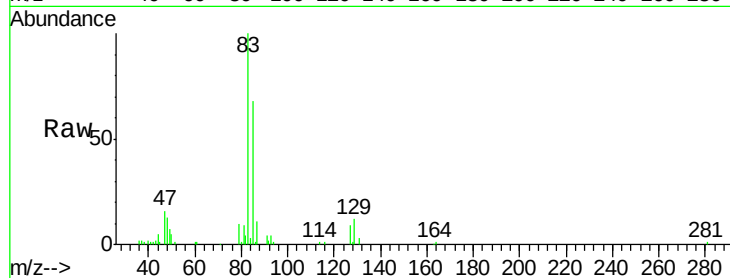
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	69352
Ion Ratio	Lower	Upper	
83	100		
85	68.5	51.4	77.0
127	8.9	7.7	11.5

Manual Integrations
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8/16/2019 8:58:17 AM



#48

Methyl methacrylate

Concen: 3.941 ug/l

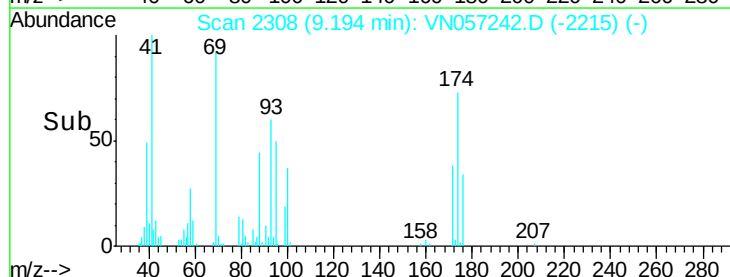
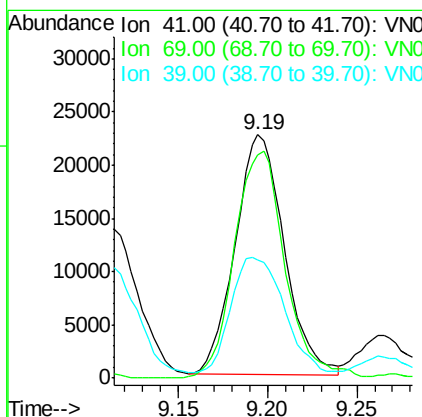
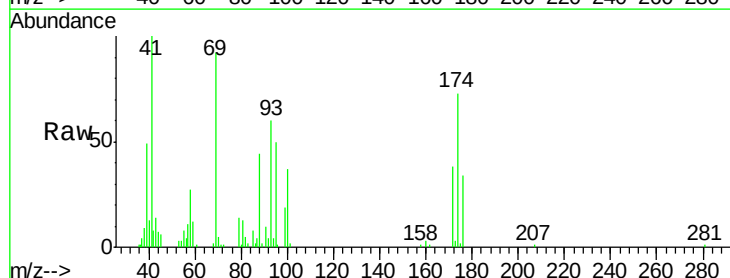
RT: 9.19 min Scan# 2308

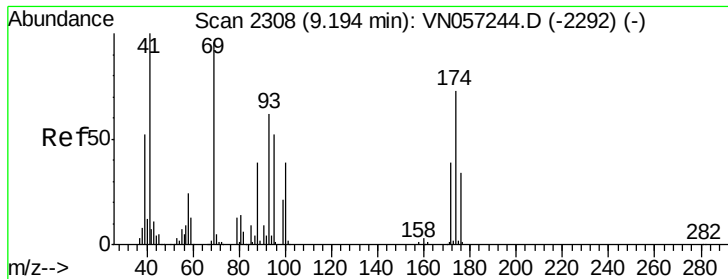
Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	41	Resp:	43131
Ion Ratio	Lower	Upper	
41	100		
69	98.2	75.7	113.5
39	55.8	43.3	64.9





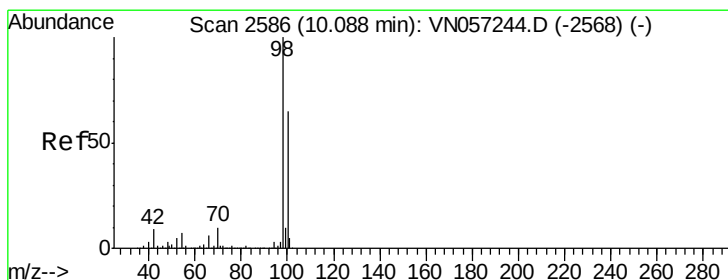
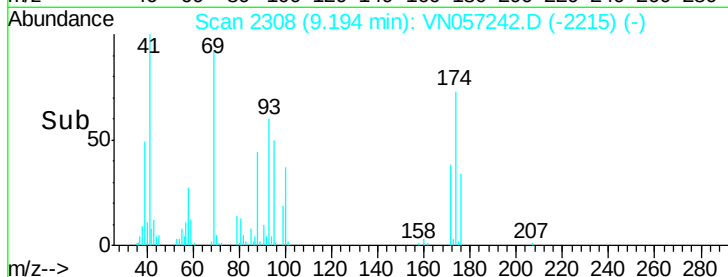
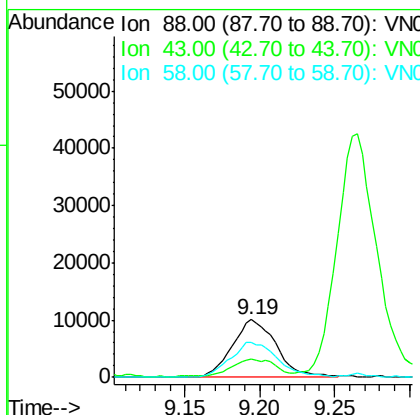
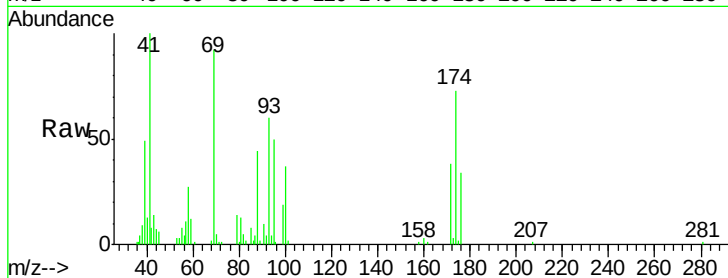
#49
1,4-Dioxane
Concen: 90.355 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.7	31.1
58	65.4	52.0	78.0

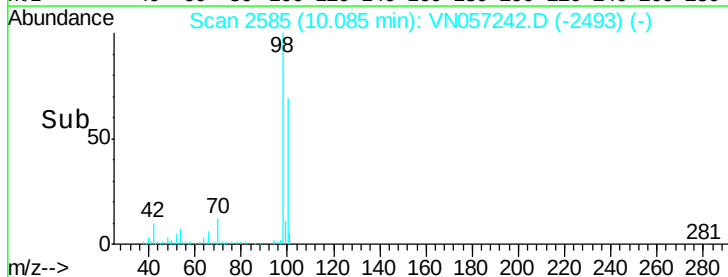
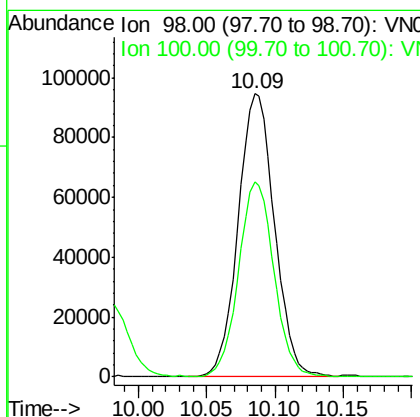
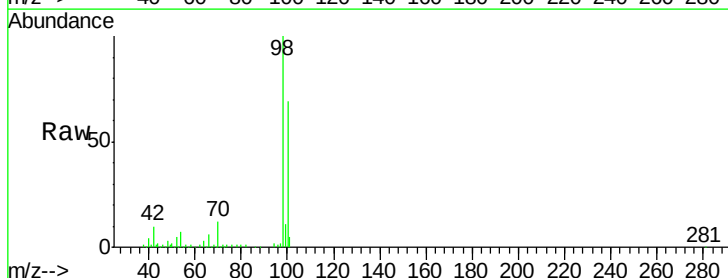
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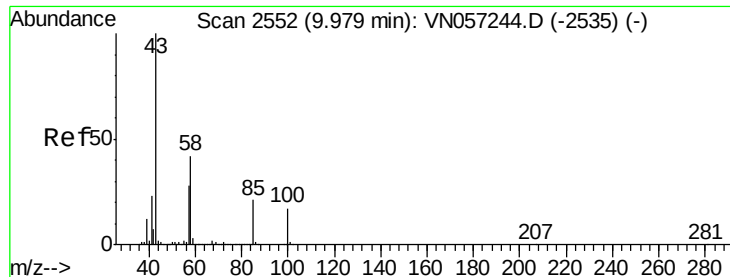
MMDadoda
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#50
Toluene-d8
Concen: 4.419 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 18.960 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 275731

Ion Ratio Lower Upper

43 100

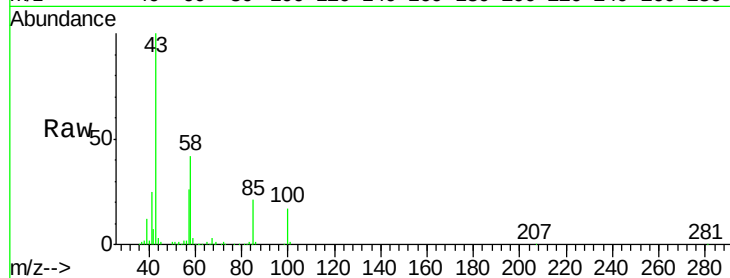
58 42.3 33.7 50.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

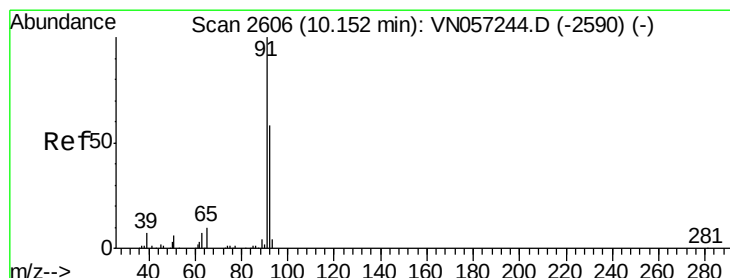
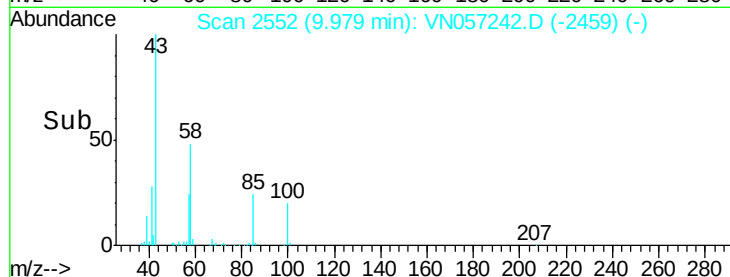
100000

50000

0

9.90 9.98 10.00

Time-->



#52

Toluene

Concen: 4.992 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057242.D

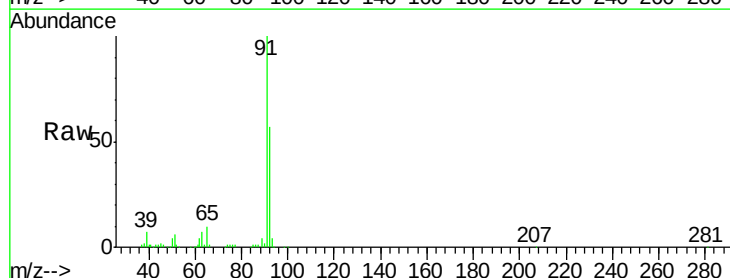
Acq: 13 Aug 2019 11:51

Tgt Ion: 92 Resp: 137574

Ion Ratio Lower Upper

92 100

91 171.4 138.2 207.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

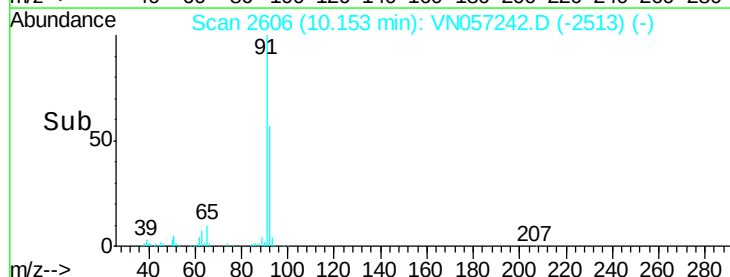
100000

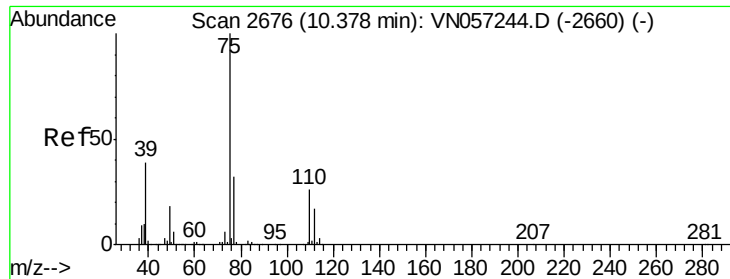
50000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.576 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 69637

Ion Ratio Lower Upper

75 100

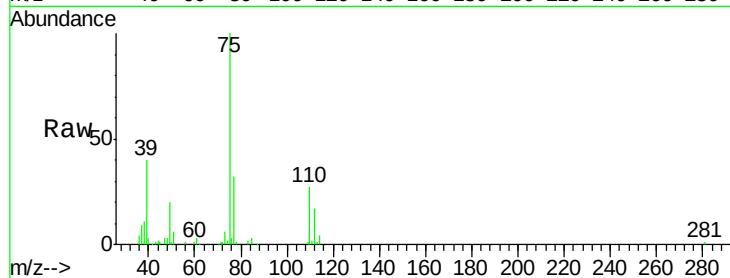
77 32.3 25.3 37.9

Manual Integrations

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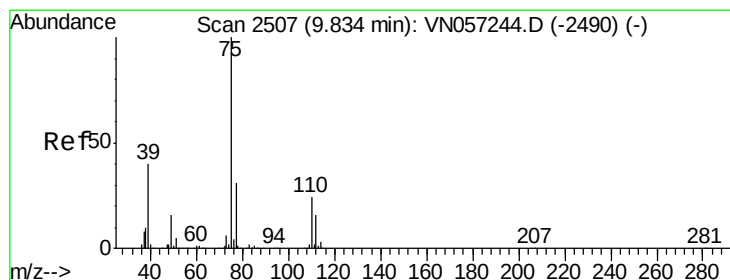
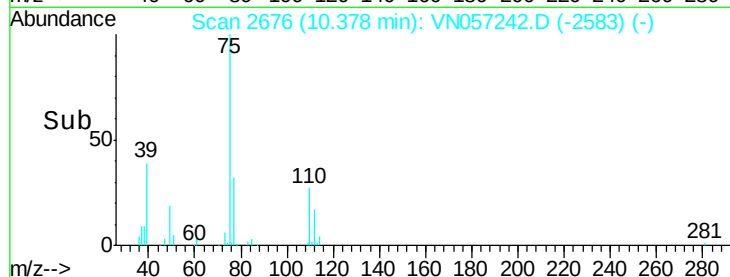
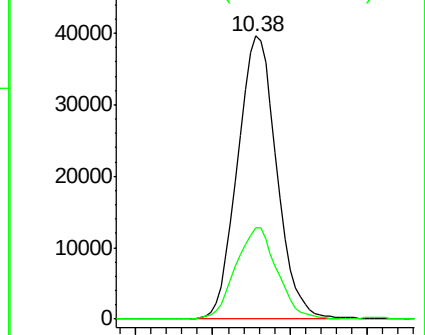
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.736 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

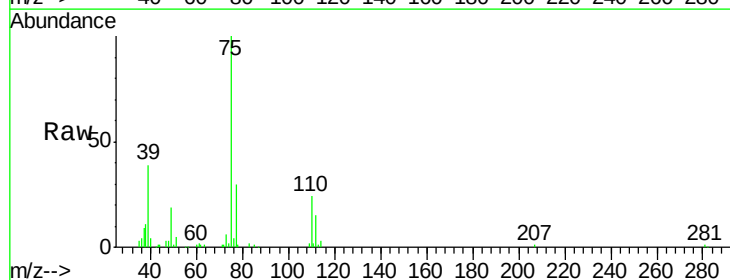
Tgt Ion: 75 Resp: 83289

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.6

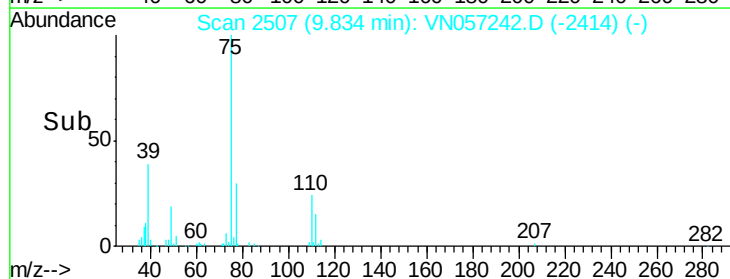
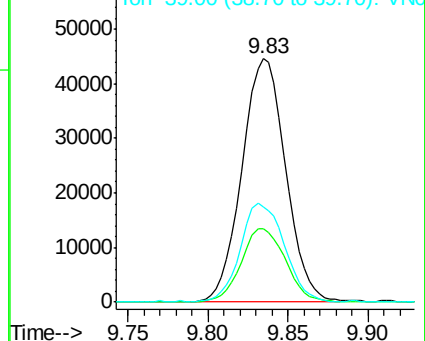
39 38.9 32.3 48.5

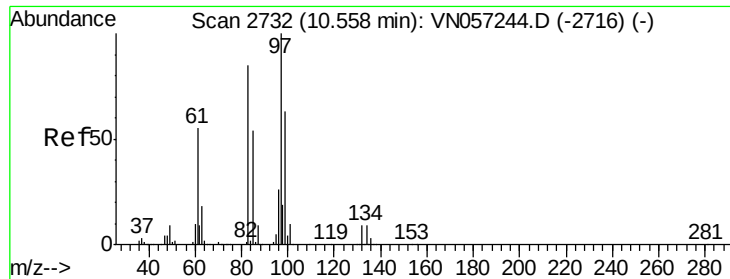


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 4.713 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

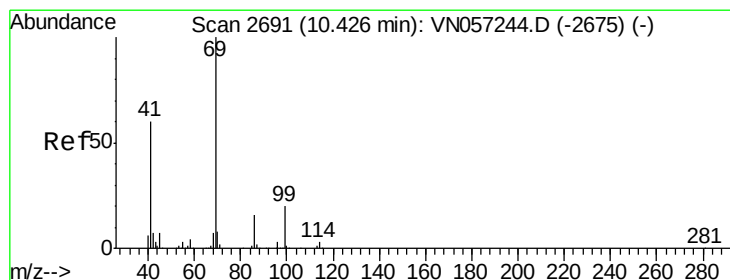
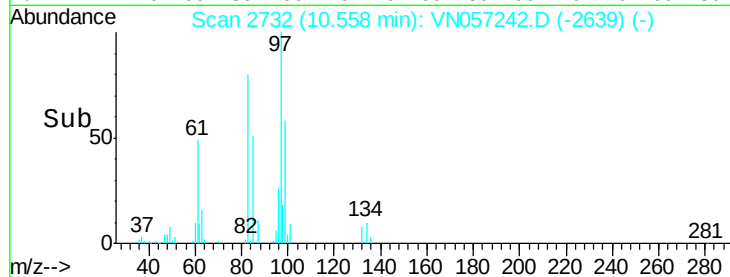
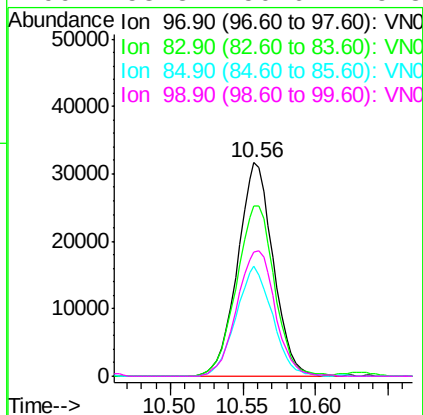
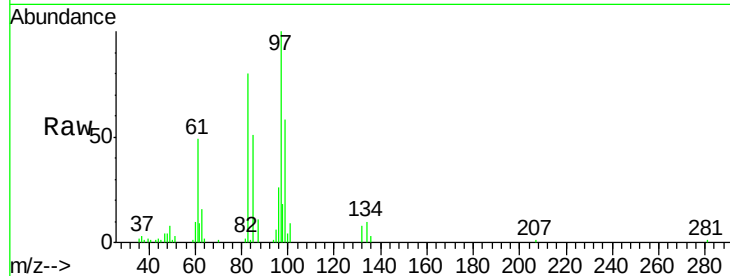
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	53985
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.4	102.6
85	51.5	43.0	64.6
99	58.3	50.6	75.8

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#56

Ethyl methacrylate

Concen: 4.253 ug/l

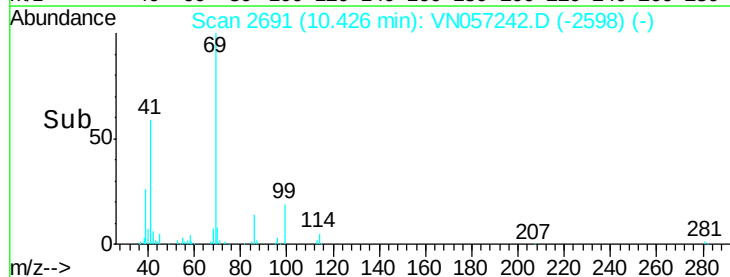
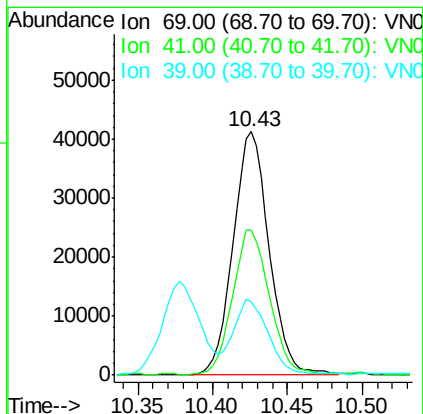
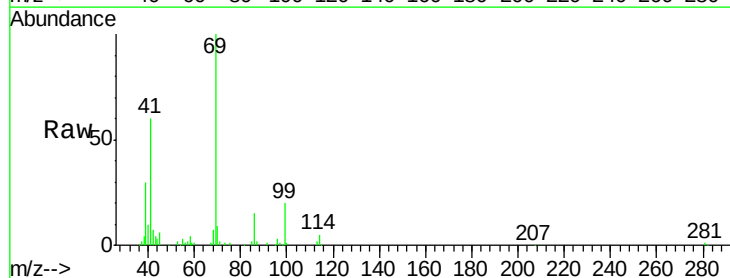
RT: 10.43 min Scan# 2691

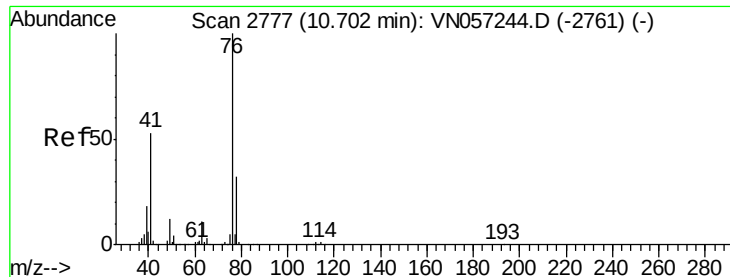
Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	69	Resp:	69292
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.6	71.4
39	29.7	23.4	35.0





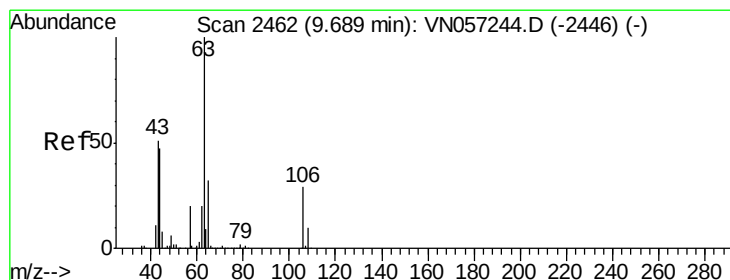
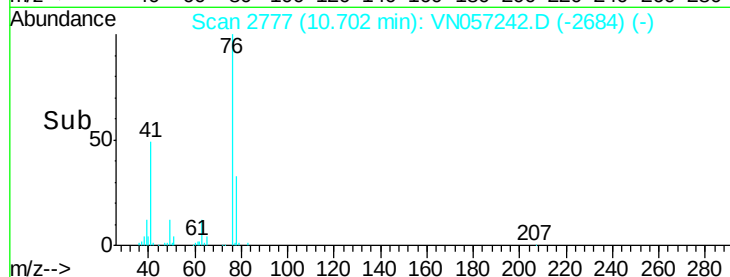
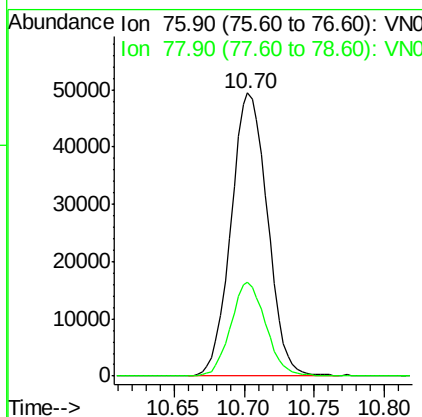
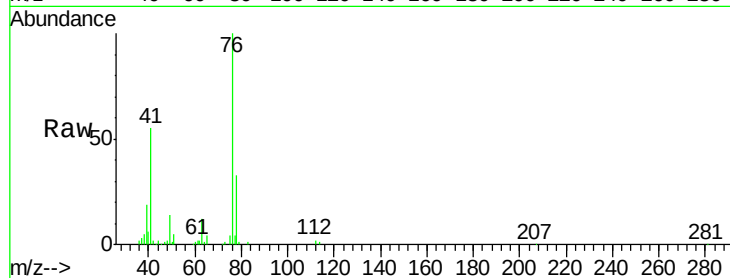
#57
 1,3-Dichloropropane
 Concen: 4.790 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.0	39.0

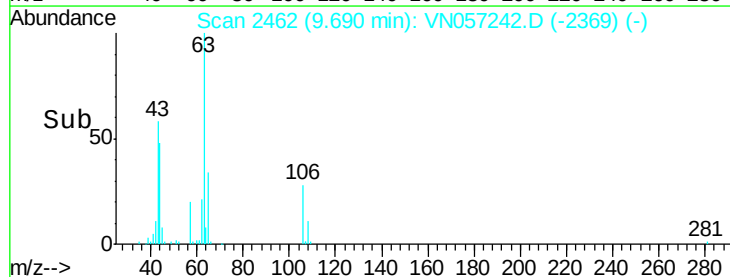
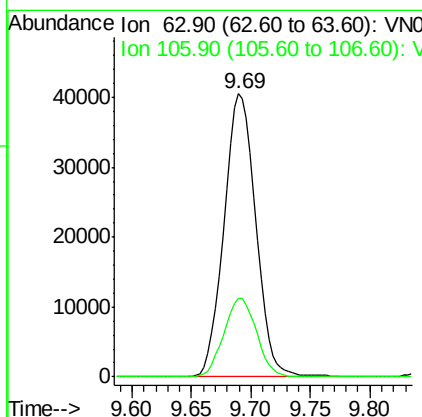
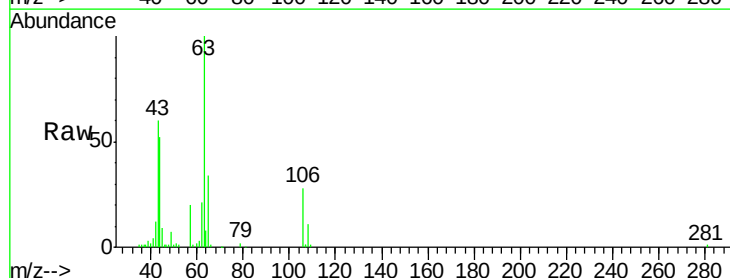
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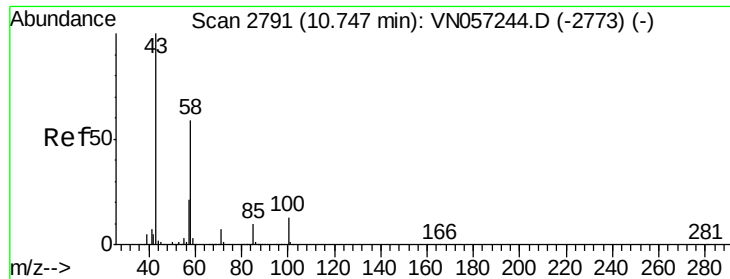
MMDadoda
 8/16/2019 8:58:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.392 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.4	35.2





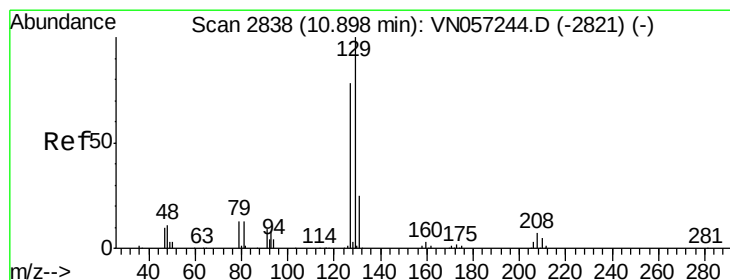
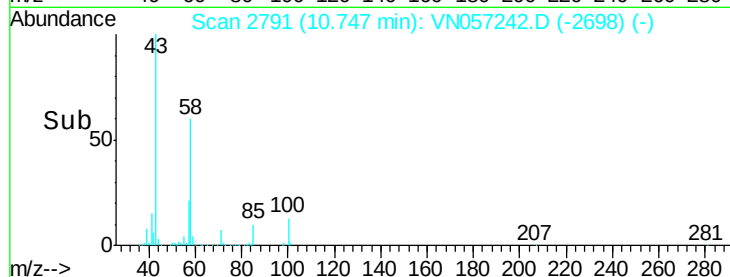
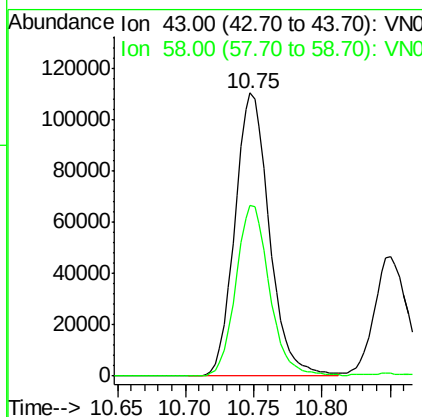
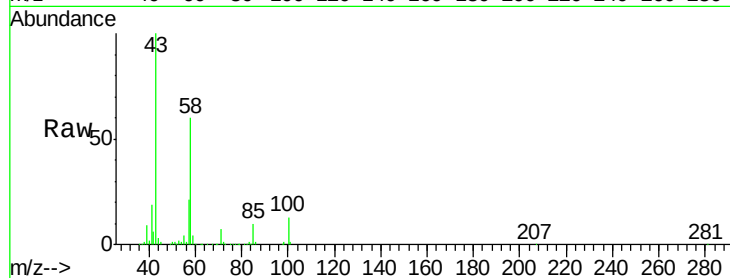
#59
2-Hexanone
Concen: 18.578 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	192952
Ion Ratio	Lower	Upper	
43	100		
58	59.0	29.1	87.4

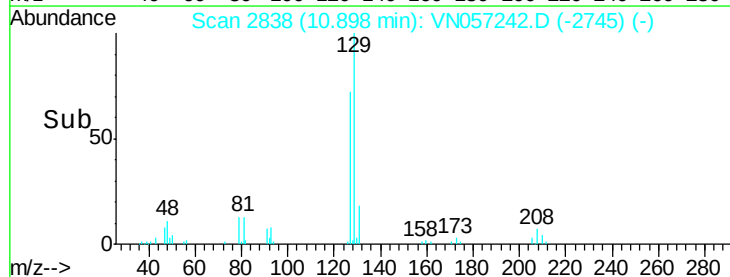
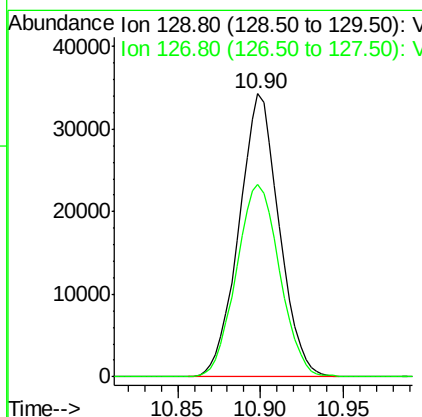
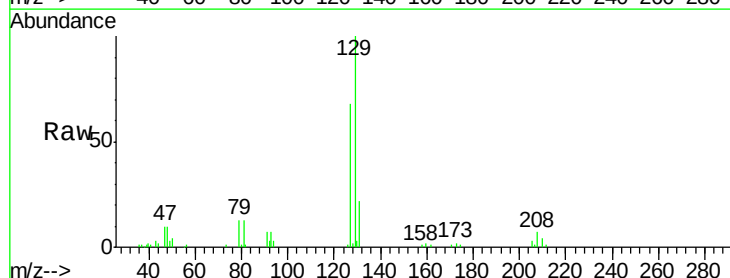
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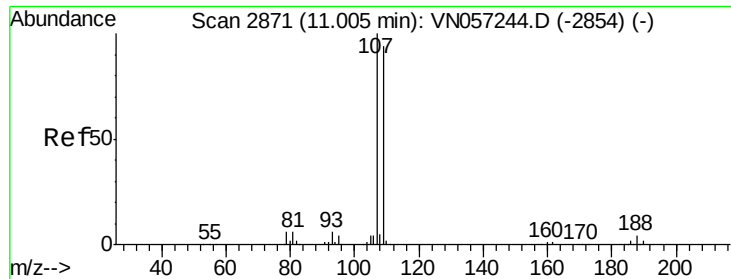
MMDadoda
8/16/2019 8:58:17 AM



#60
Dibromochloromethane
Concen: 5.053 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	129	Resp	57744
Ion Ratio	Lower	Upper	
129	100		
127	73.2	38.9	116.6





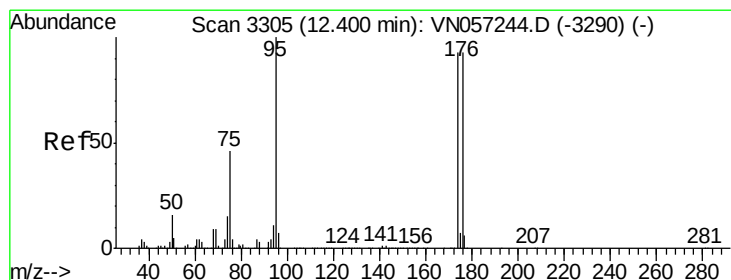
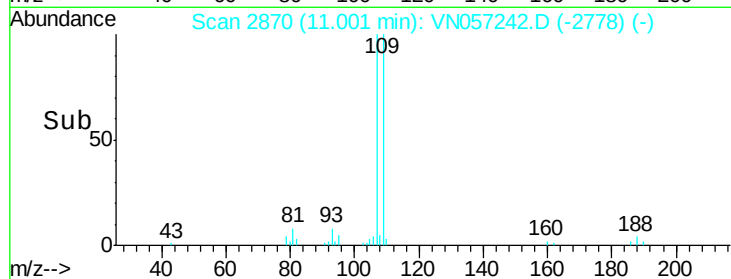
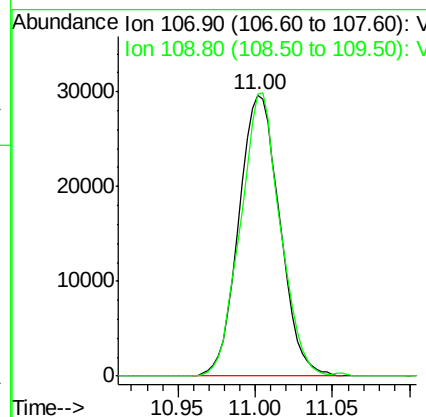
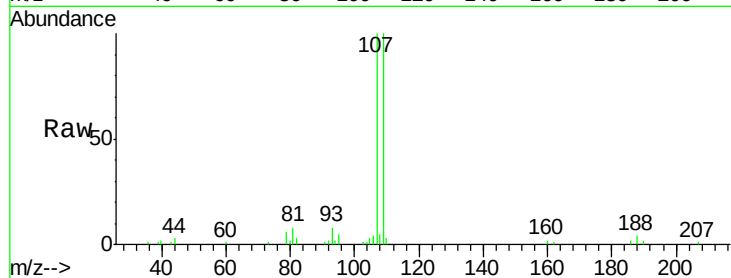
#61
 1,2-Dibromoethane
 Concen: 4.774 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.6	75.7	113.5

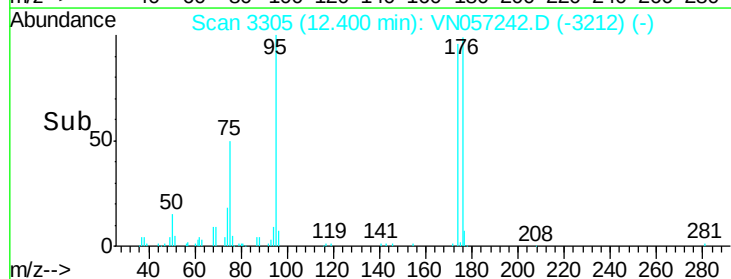
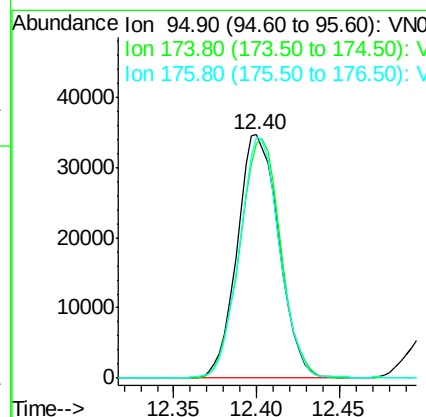
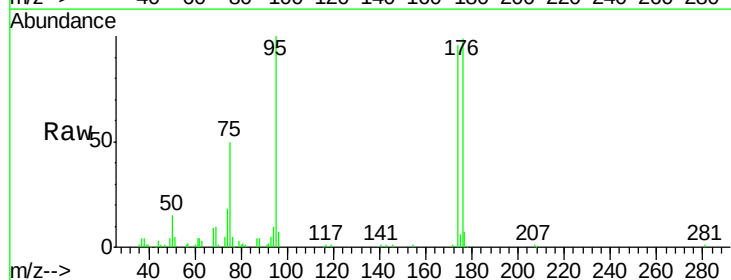
Manual Integrations
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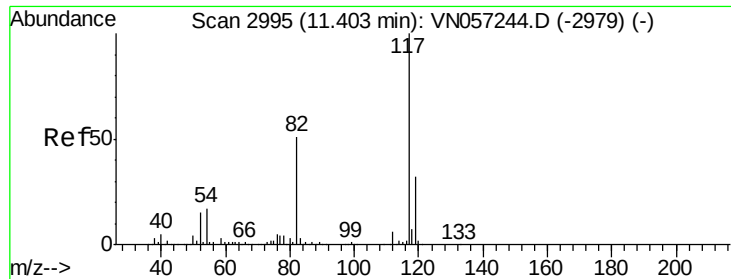
MMDadoda
 8/16/2019 8:58:17 AM



#62
 4-Bromofluorobenzene
 Concen: 4.548 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	187.6
176	95.3	0.0	185.8





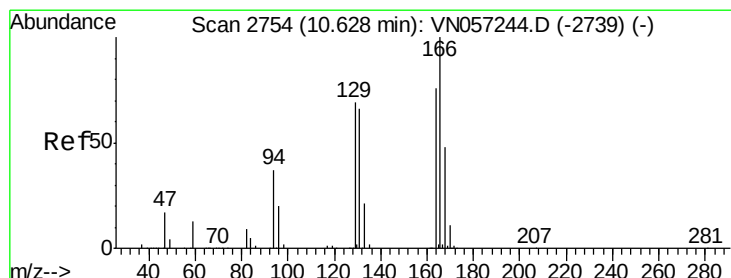
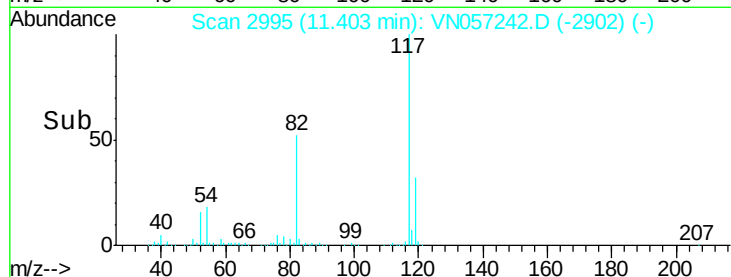
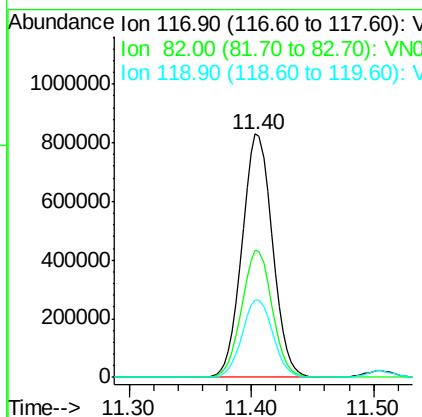
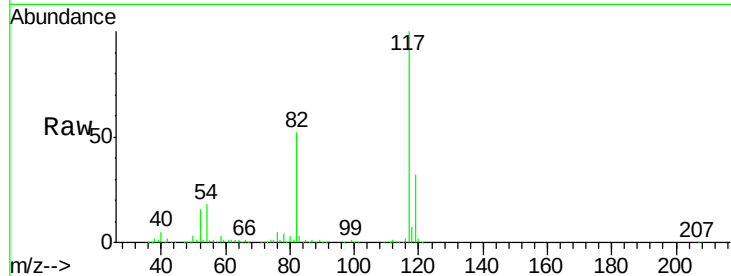
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.9	61.3
119	31.7	25.4	38.2

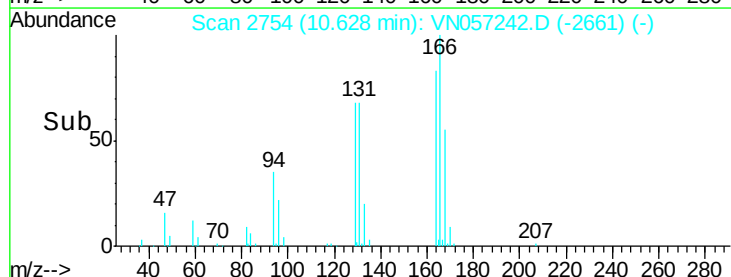
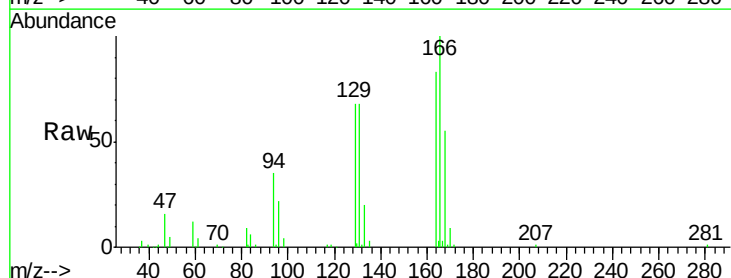
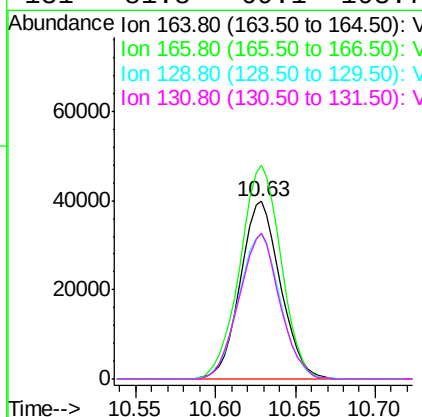
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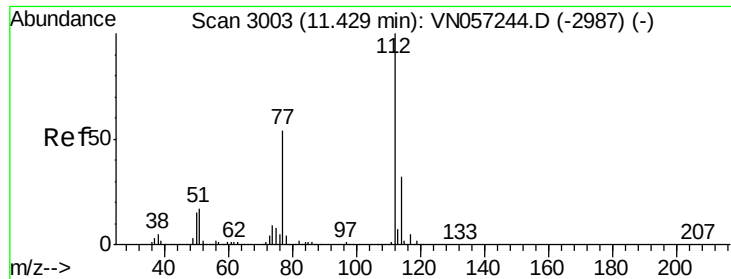
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8/16/2019 8:58:17 AM



#64
Tetrachloroethene
Concen: 5.504 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.3	104.9	157.3
129	81.5	71.9	107.9
131	81.8	69.1	103.7





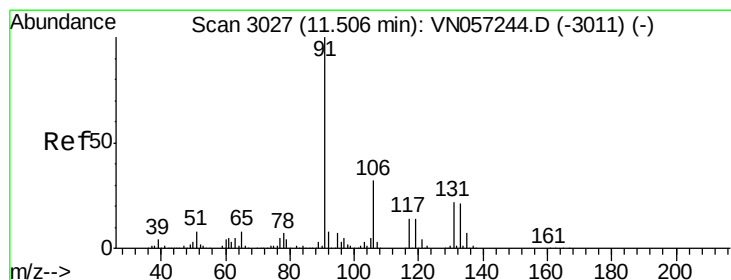
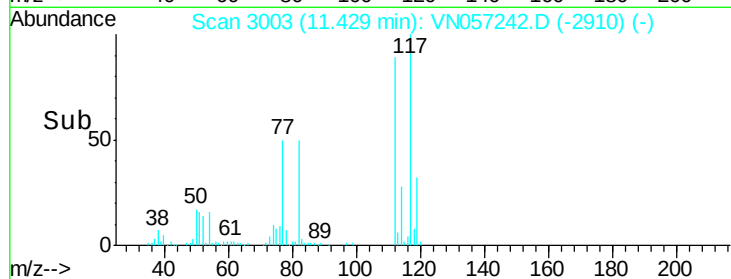
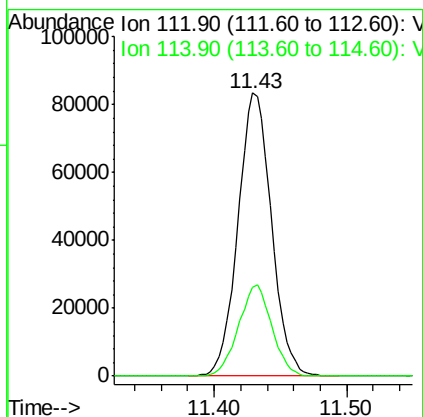
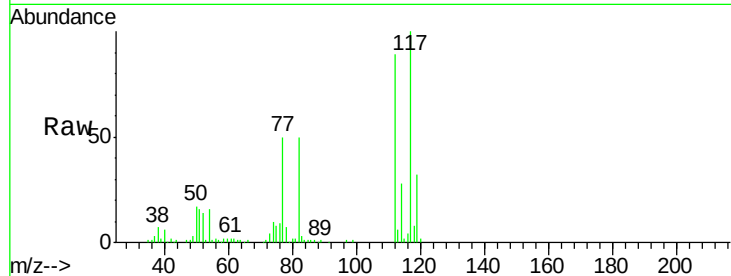
#65
Chlorobenzene
Concen: 5.014 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 146293
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

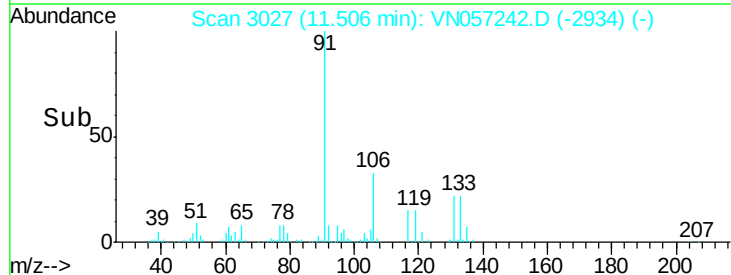
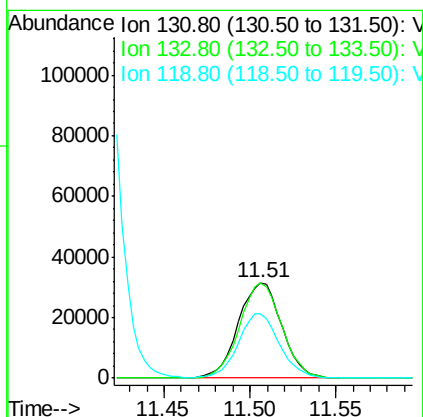
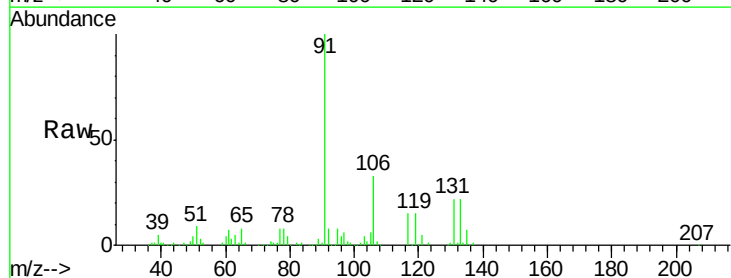
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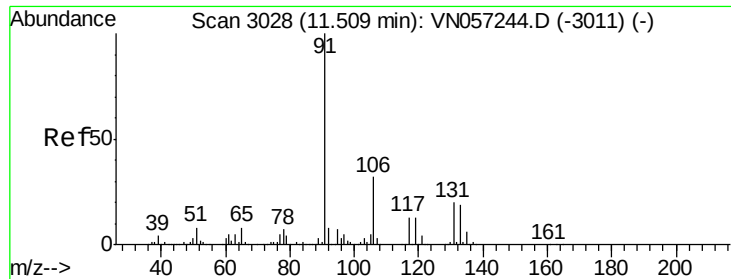
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.083 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion:131 Resp: 54982
Ion Ratio Lower Upper
131 100
133 96.8 46.9 140.7
119 64.4 32.3 96.8





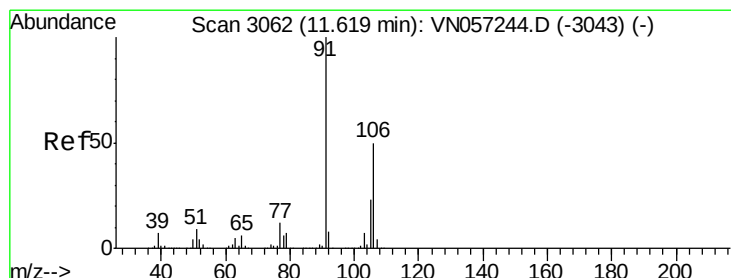
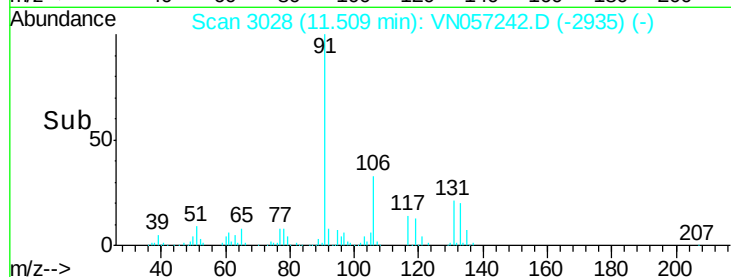
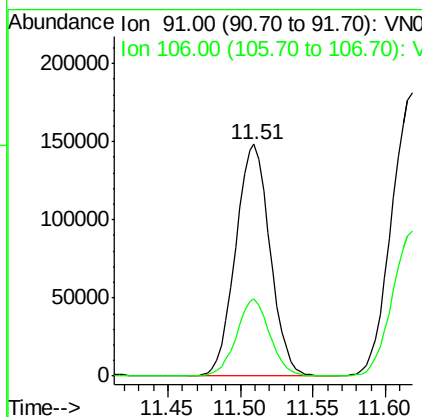
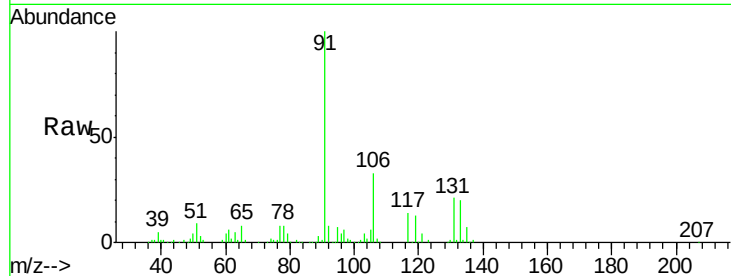
#67
Ethyl Benzene
Concen: 4.796 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.2	25.4	38.0

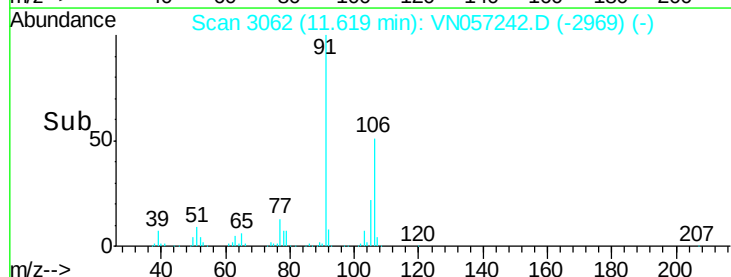
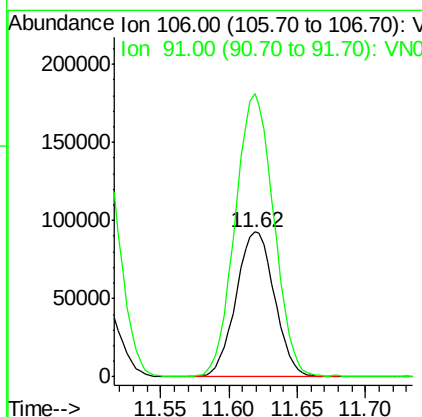
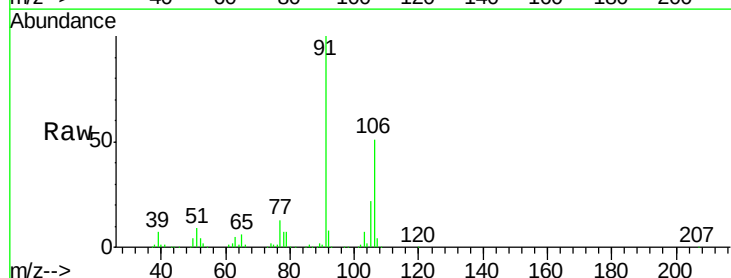
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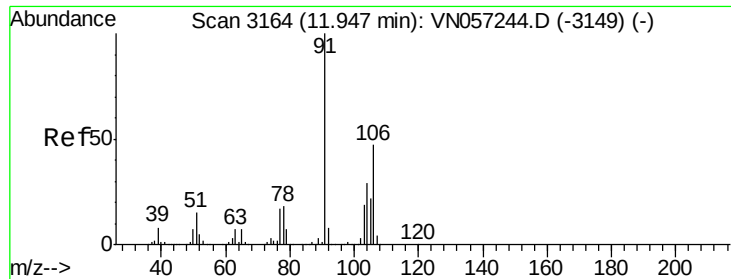
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#68
m/p-Xylenes
Concen: 9.515 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.5	161.4	242.0





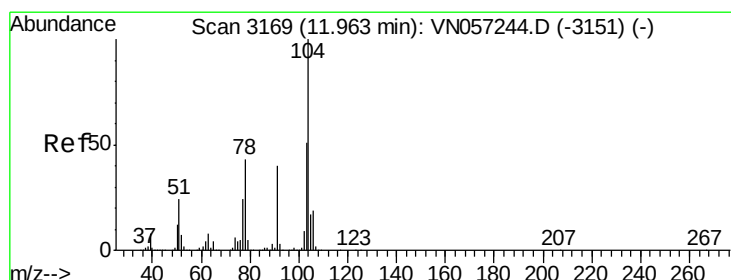
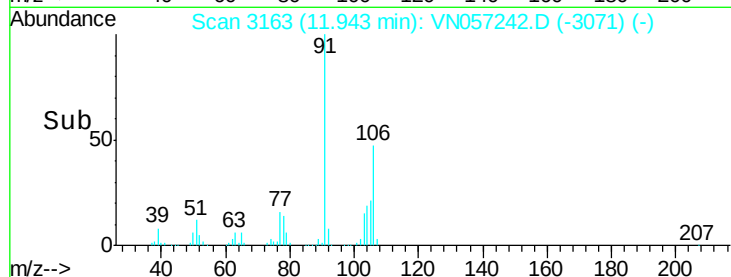
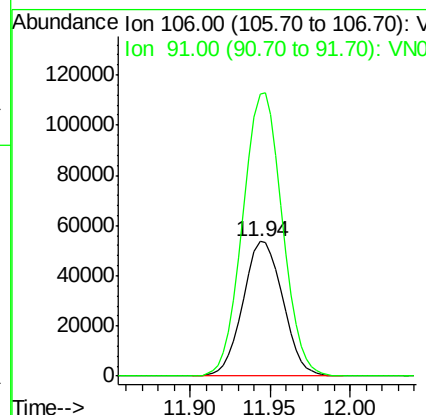
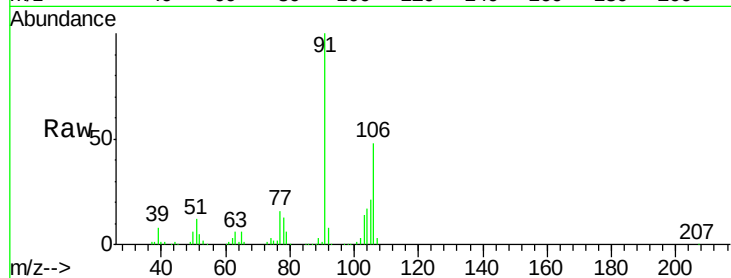
#69
o-Xylene
Concen: 4.881 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	207.4	106.5	319.4	

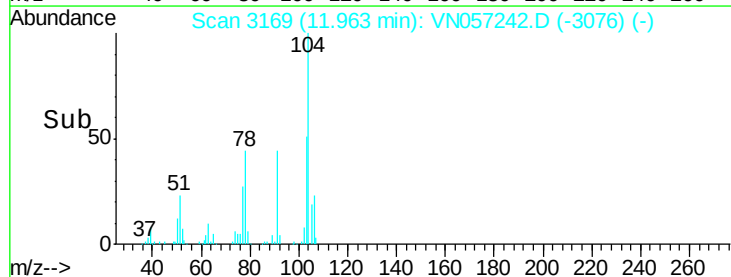
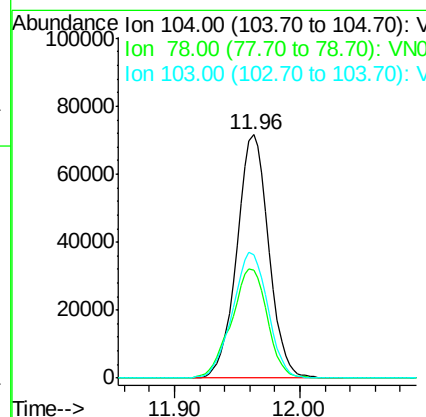
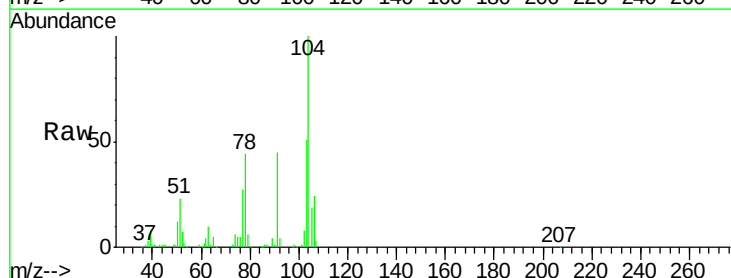
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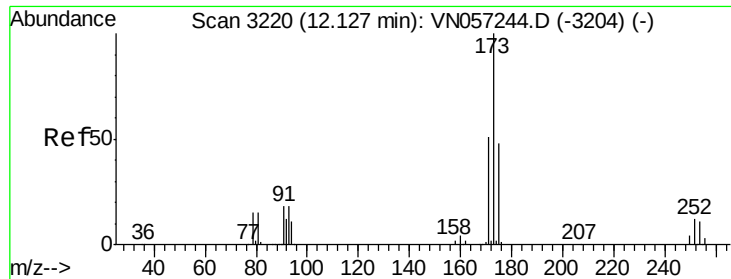
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#70
Styrene
Concen: 4.193 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	50.7	38.6	57.8	
103	57.2	43.9	65.9	





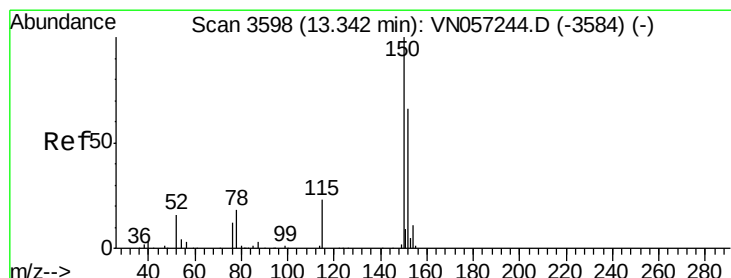
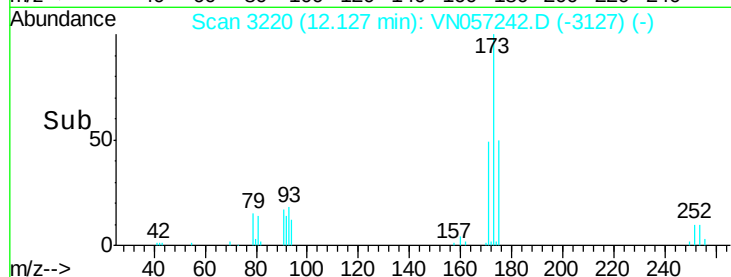
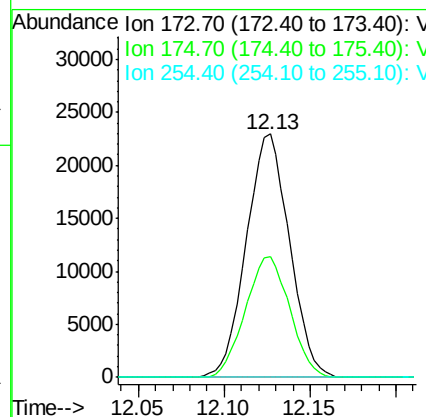
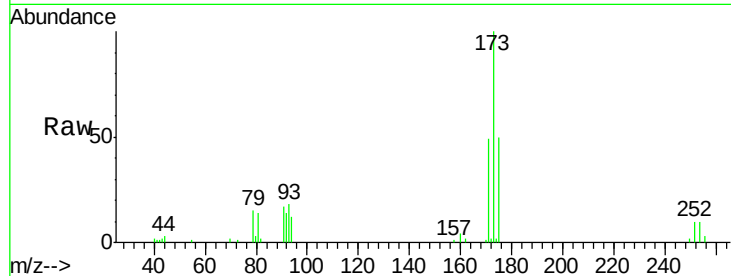
#71
Bromoform
Concen: 4.861 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.4	73.2
254	0.0	0.2	0.2

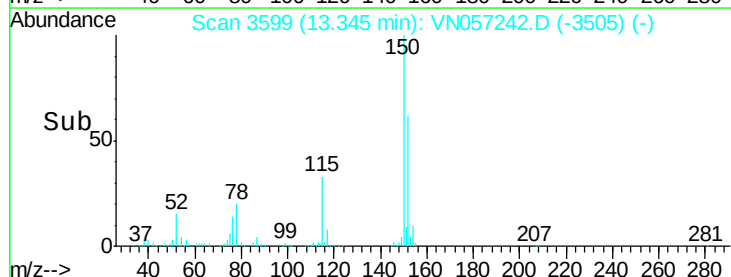
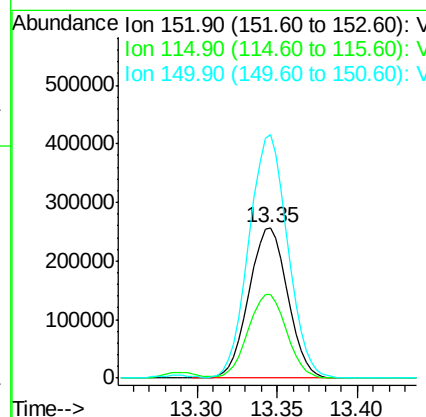
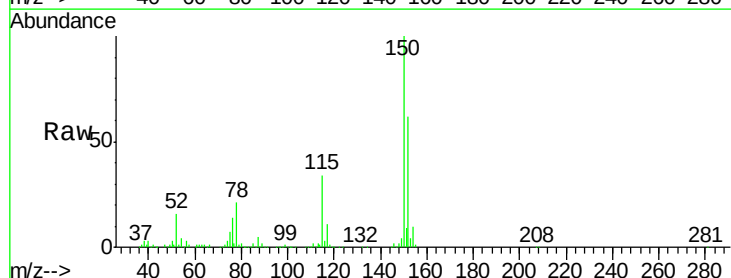
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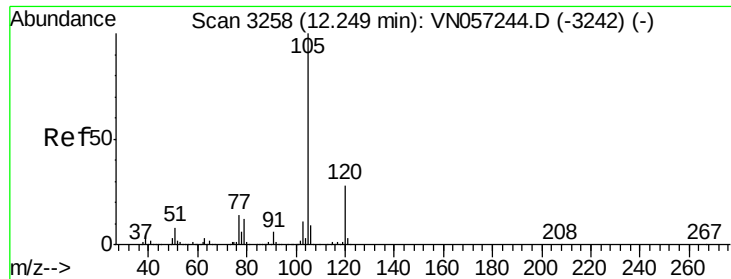
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	161.7	0.0	348.4





#73

Isopropylbenzene

Concen: 6.587 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 229657

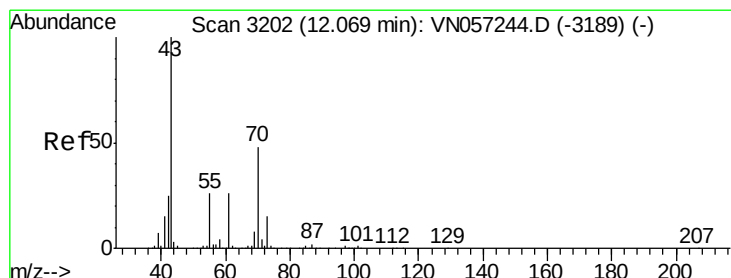
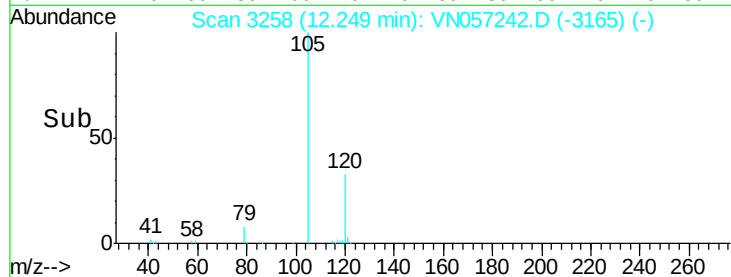
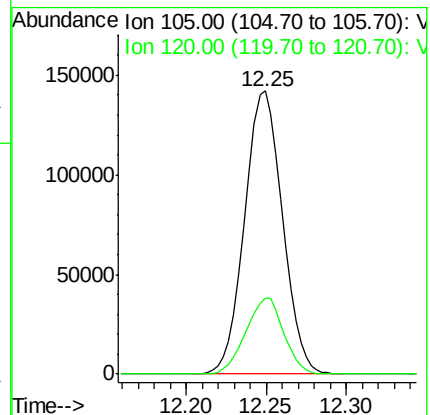
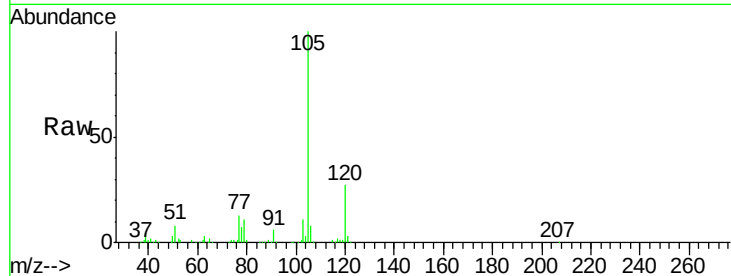
Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3

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#74

N-ethyl acetate

Concen: 5.291 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion: 43 Resp: 65651

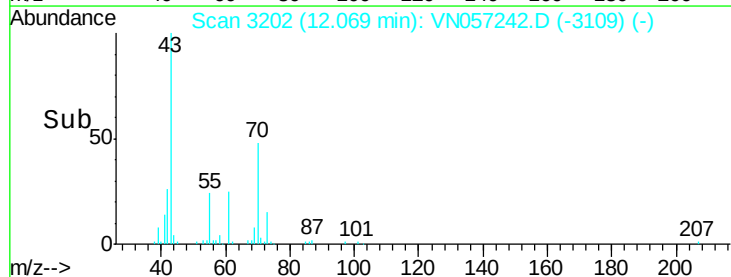
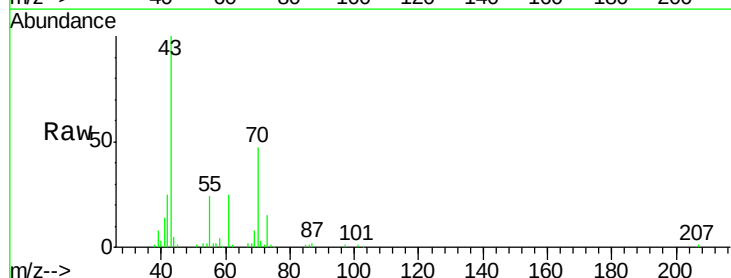
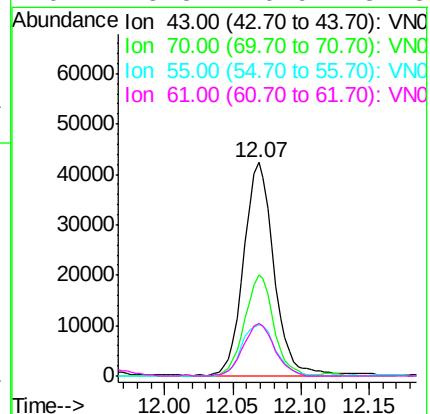
Ion Ratio Lower Upper

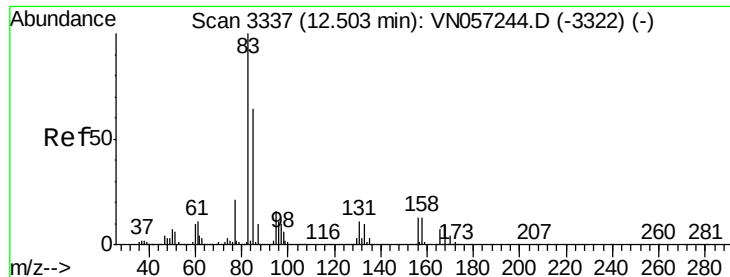
43 100

70 45.0 37.4 56.2

55 26.9 21.0 31.4

61 25.3 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 6.087 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

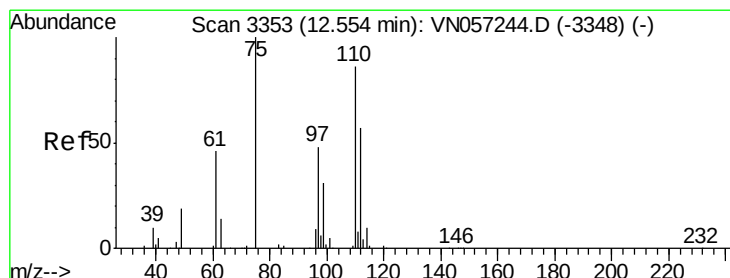
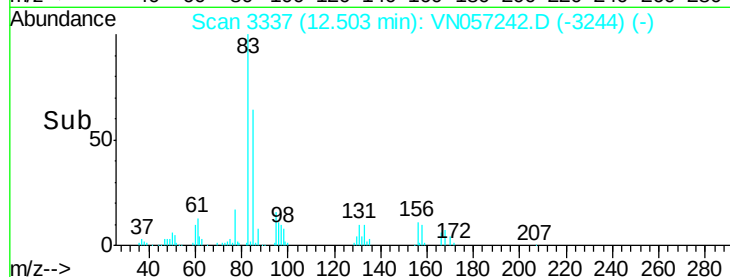
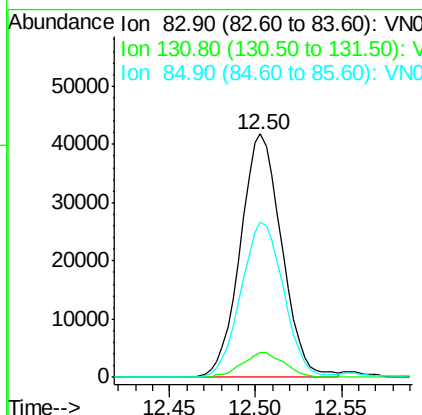
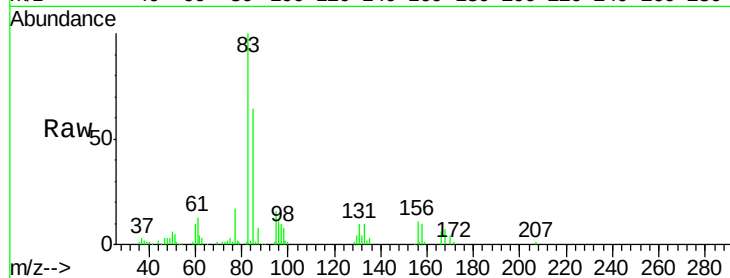
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	69797
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.6	16.8
85	65.4	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 6.640 ug/l m

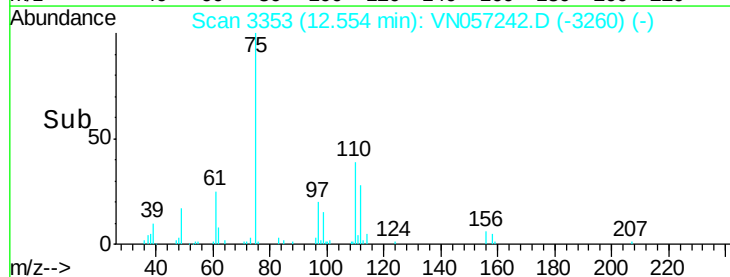
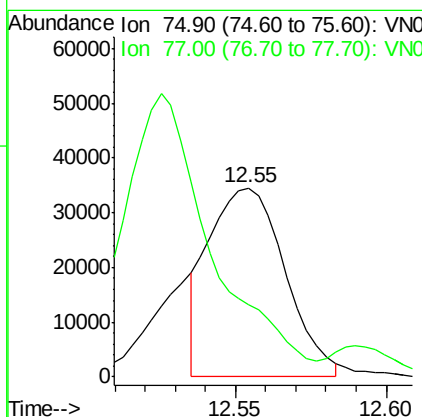
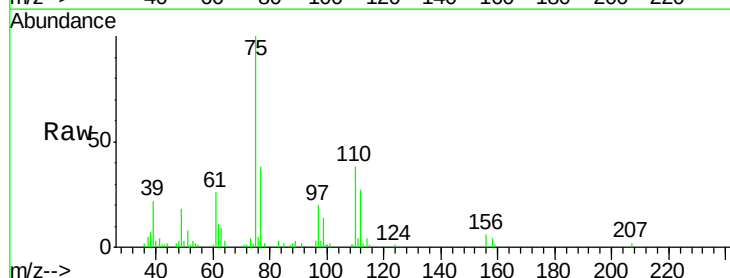
RT: 12.55 min Scan# 3353

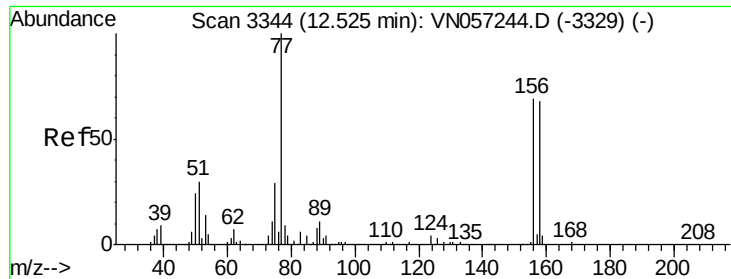
Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	75	Resp:	60691
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 6.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

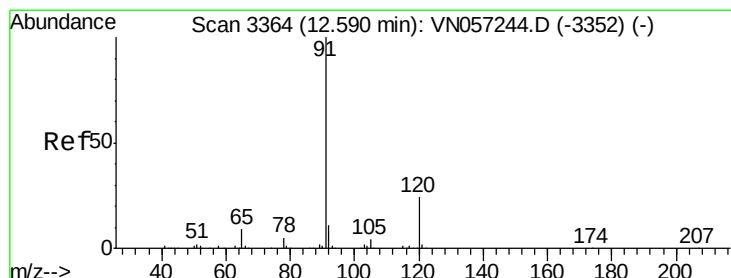
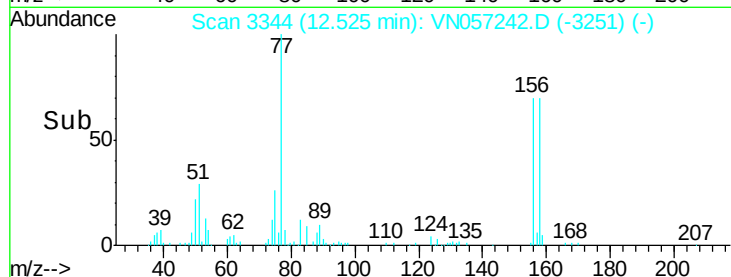
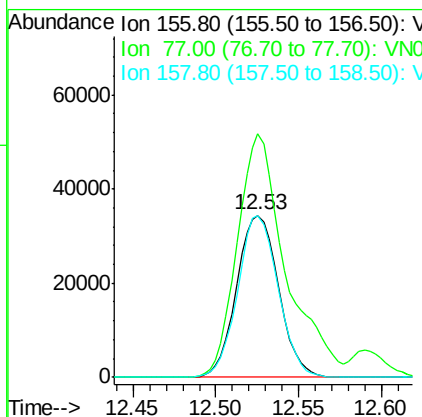
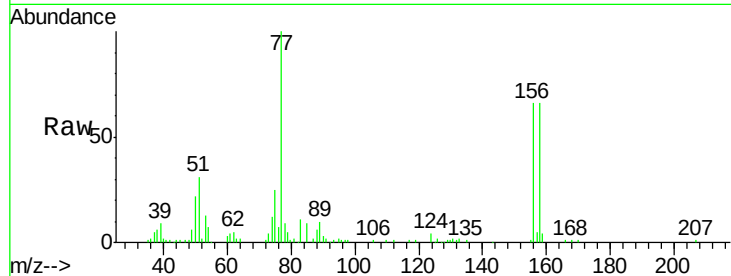
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.5	88.0	264.1
158	96.7	49.4	148.0

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#78

n-propylbenzene

Concen: 5.540 ug/l

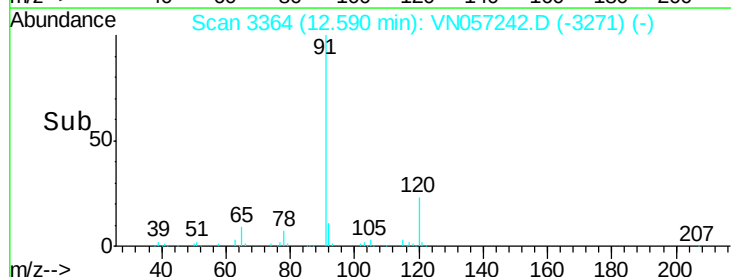
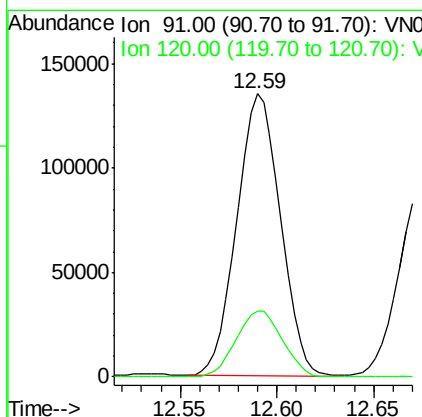
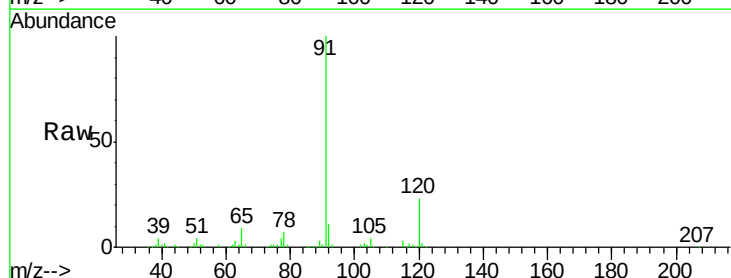
RT: 12.59 min Scan# 3364

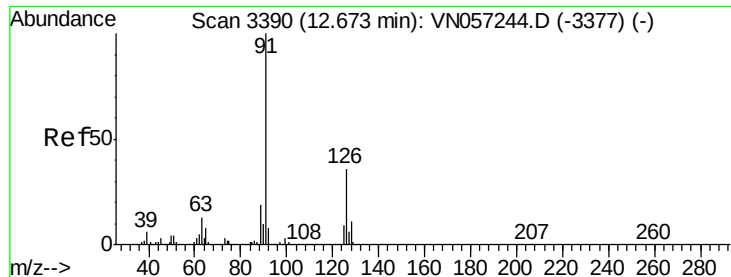
Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.1	36.3





#79

2-Chlorotoluene

Concen: 5.905 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 140633

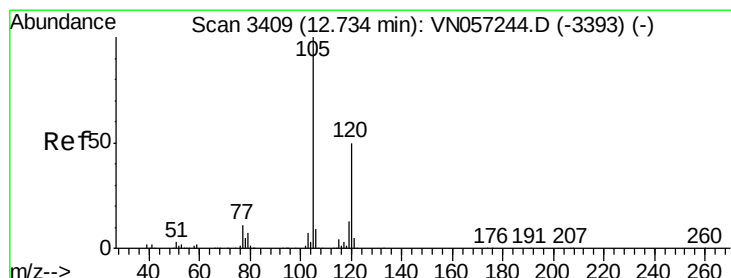
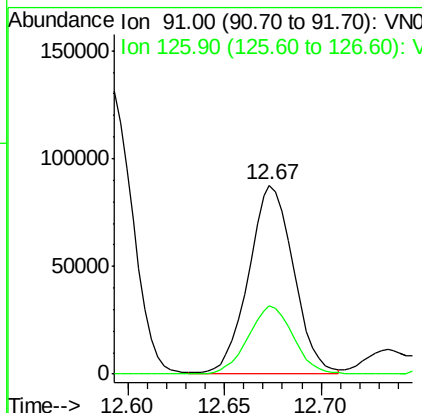
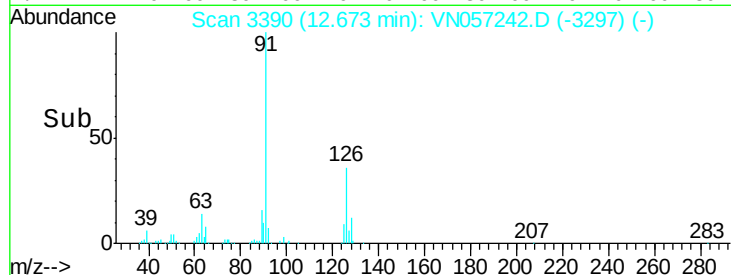
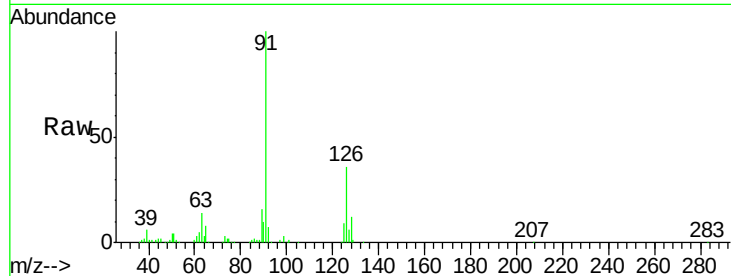
Ion Ratio Lower Upper

91 100

126 36.6 18.0 54.0

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#80

1,3,5-Trimethylbenzene

Concen: 6.234 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057242.D

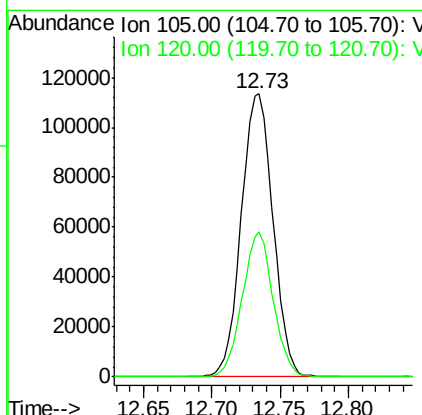
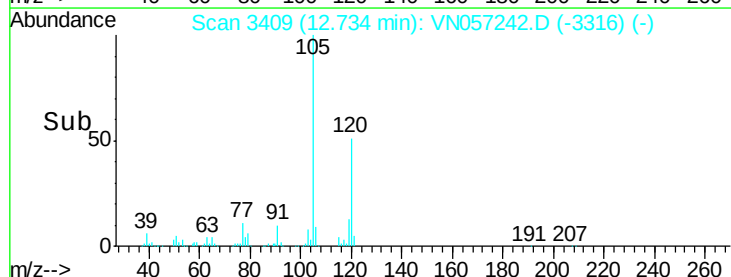
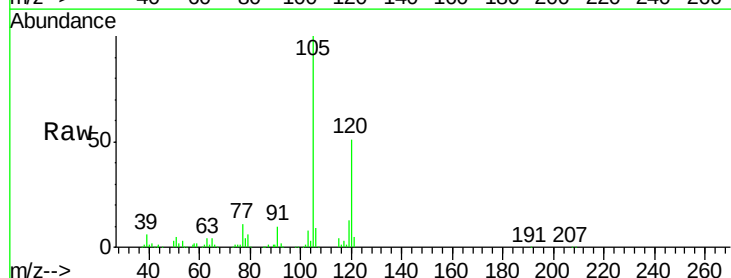
Acq: 13 Aug 2019 11:51

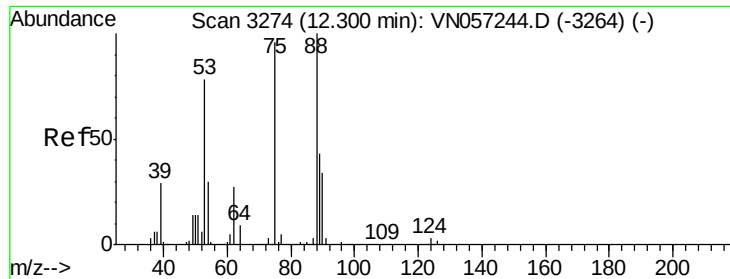
Tgt Ion: 105 Resp: 183606

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 6.103 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

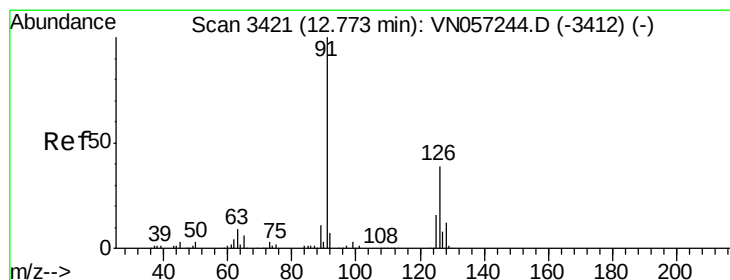
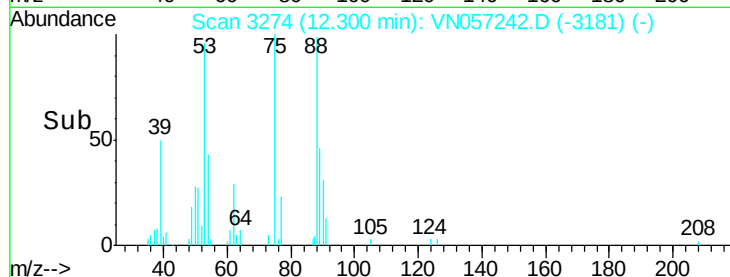
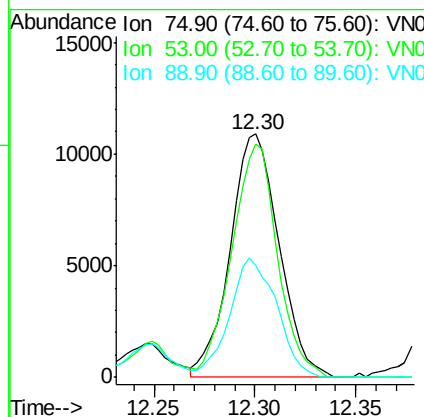
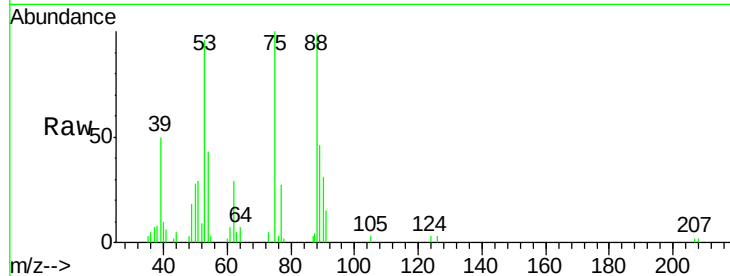
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	18484
Ion	Ratio	Lower	Upper
75	100		
53	89.5	65.8	98.6
89	47.5	36.7	55.1

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#82

4-Chlorotoluene

Concen: 5.493 ug/l

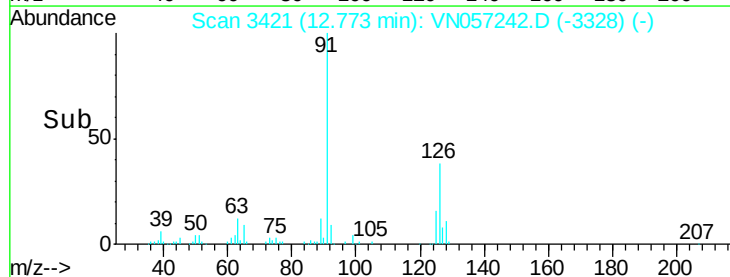
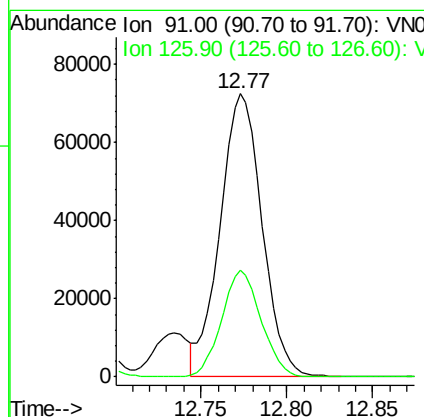
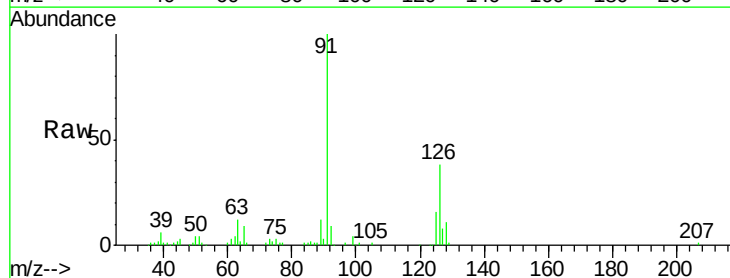
RT: 12.77 min Scan# 3421

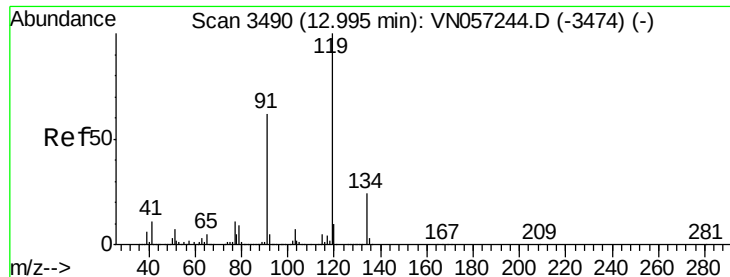
Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	91	Resp:	123199
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.9	53.7





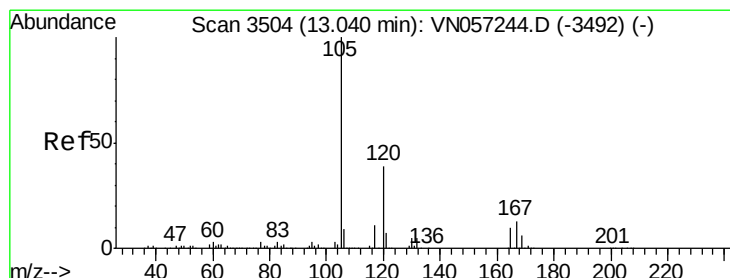
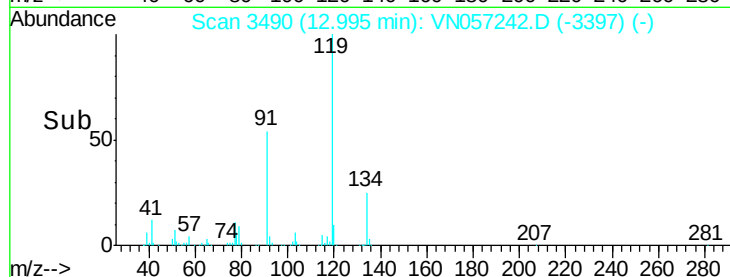
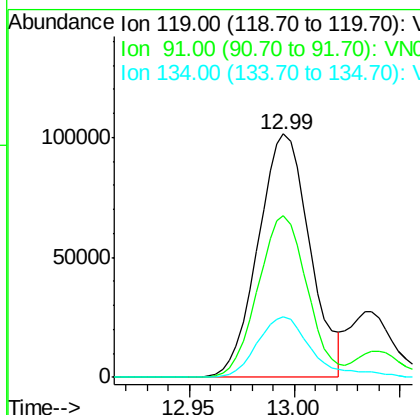
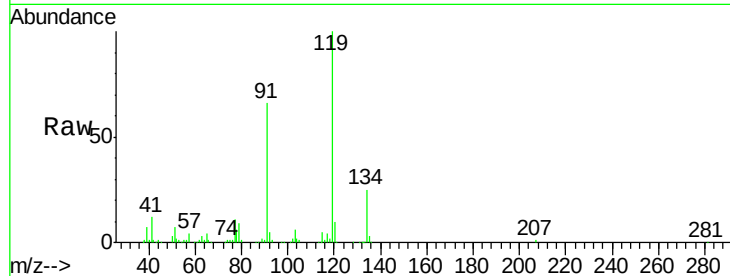
#83
 tert-Butylbenzene
 Concen: 6.688 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	119	Resp:	173108
Ion Ratio	Lower	Upper	
119	100		
91	63.7	30.8	92.3
134	26.3	12.9	38.7

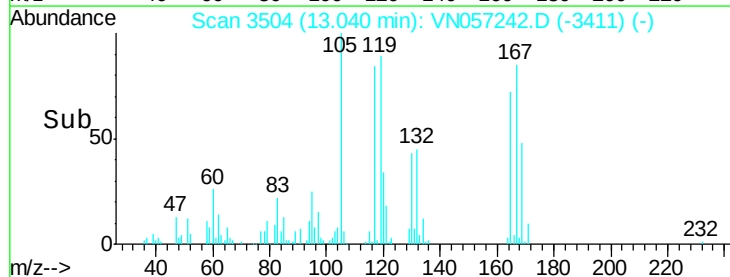
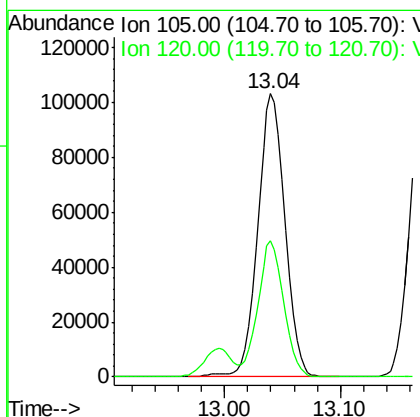
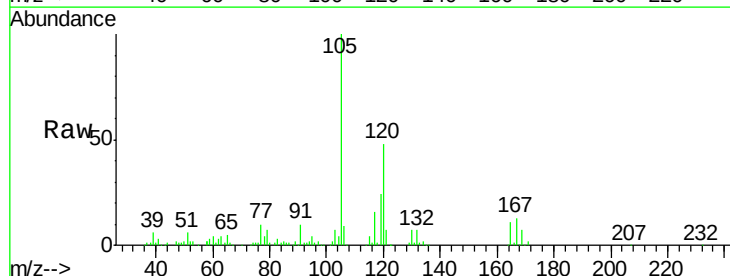
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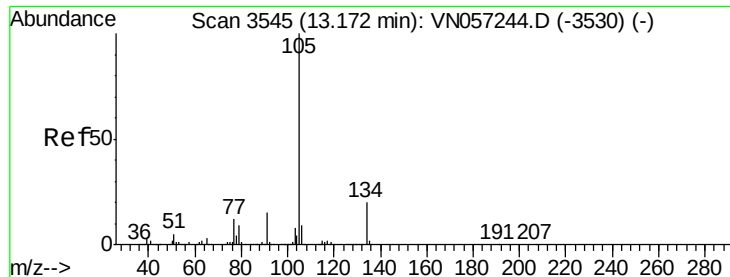
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.895 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion:	105	Resp:	168197
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.2	69.5





#85

sec-Butylbenzene

Concen: 6.071 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 198388

Ion Ratio Lower Upper

105 100

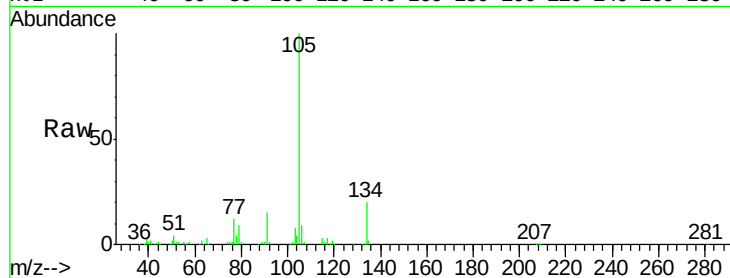
134 20.6 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

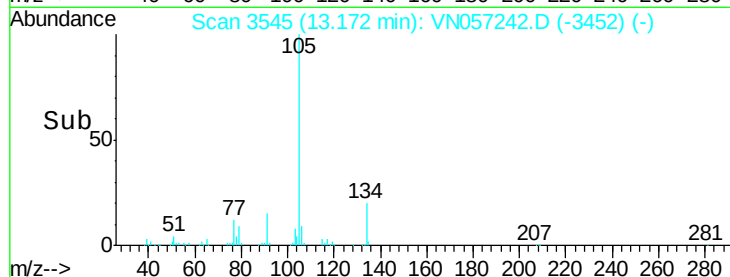
150000

100000

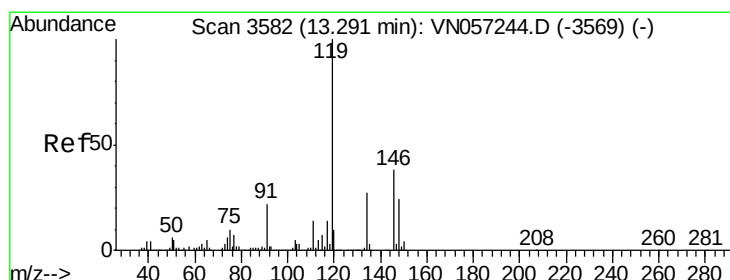
50000

0

Time-->



Time-->



#86

p-Isopropyltoluene

Concen: 5.962 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

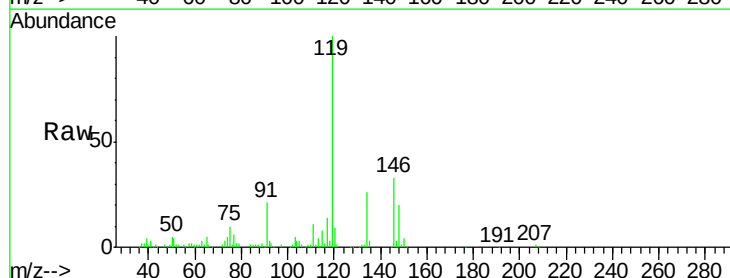
Tgt Ion:119 Resp: 175536

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.3 11.1 33.3



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

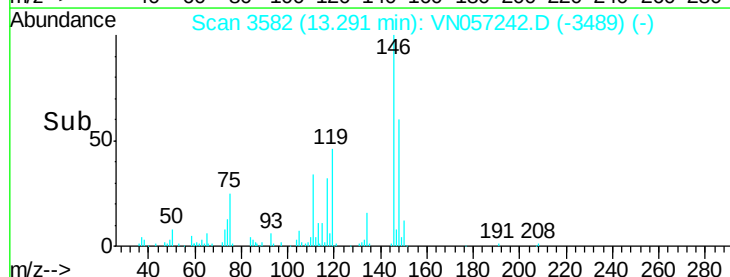
150000

100000

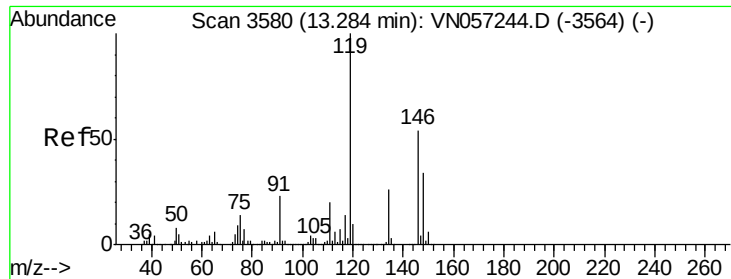
50000

0

Time-->



Time-->



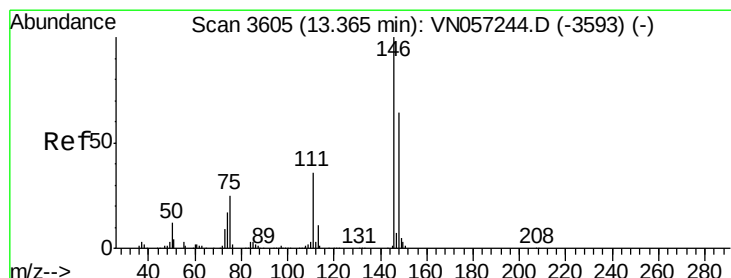
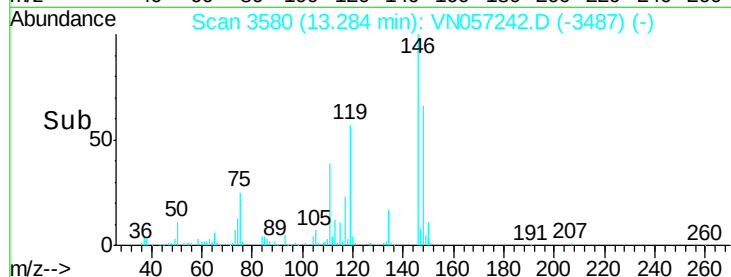
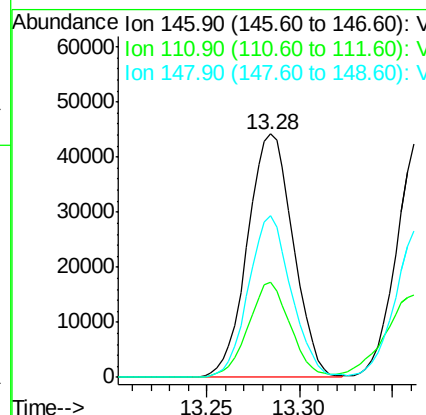
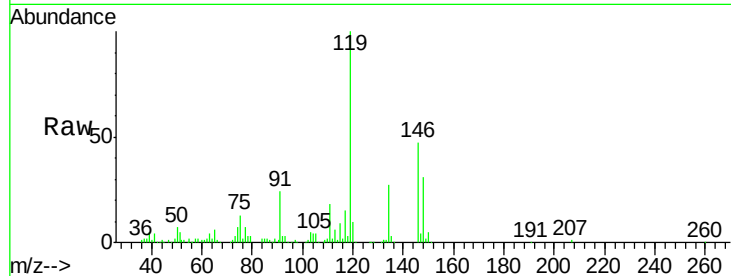
#87
 1,3-Dichlorobenzene
 Concen: 5.119 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.8	56.4
148	62.2	32.1	96.5

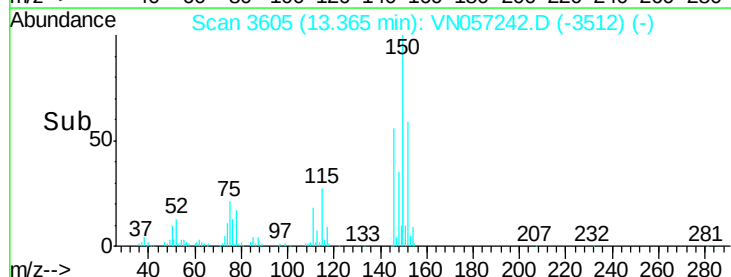
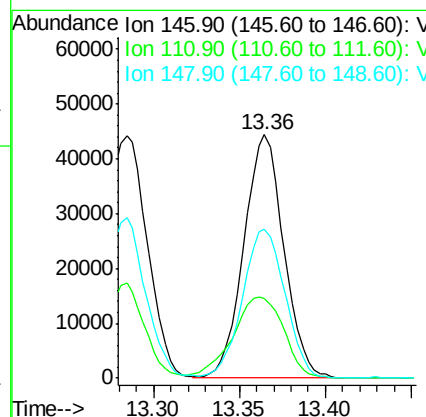
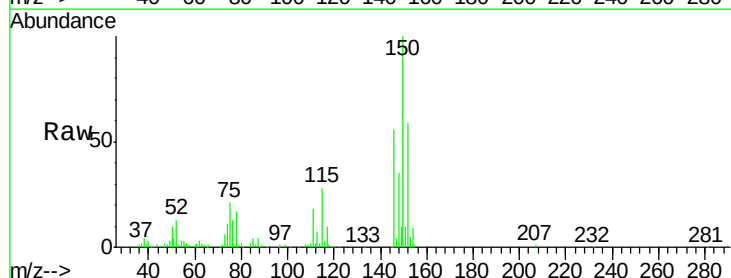
Manual Integrations
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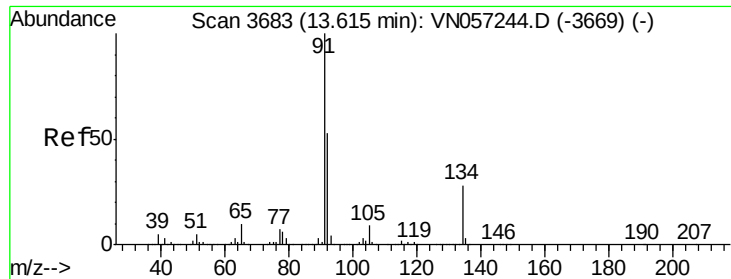
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#88
 1,4-Dichlorobenzene
 Concen: 5.035 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	18.3	54.8
148	65.3	32.0	96.0





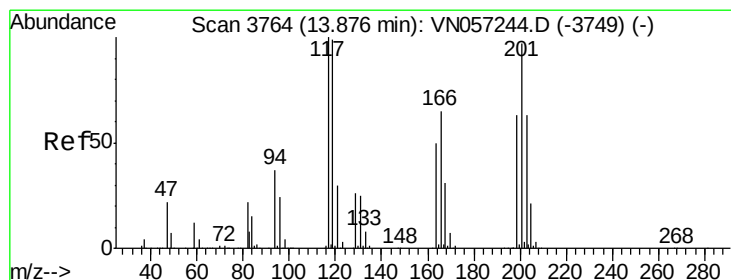
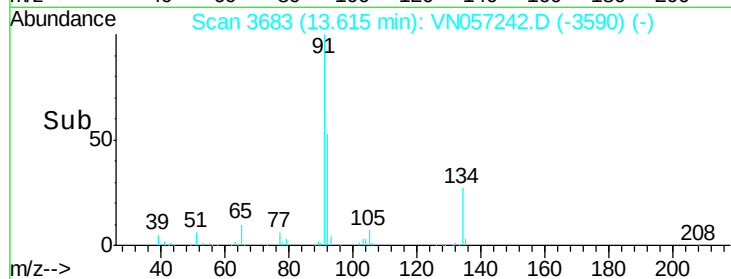
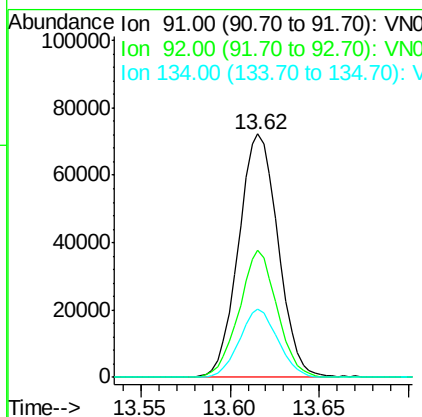
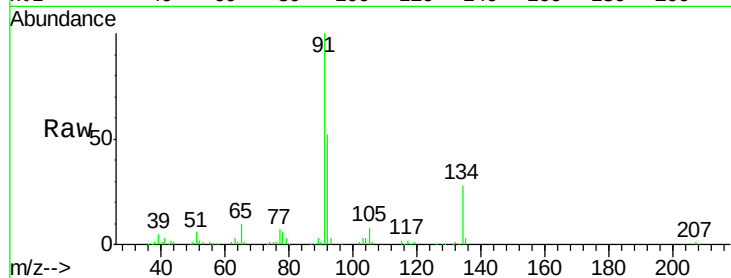
#89
n-Butylbenzene
Concen: 4.811 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.3	78.9
134	27.4	14.1	42.3

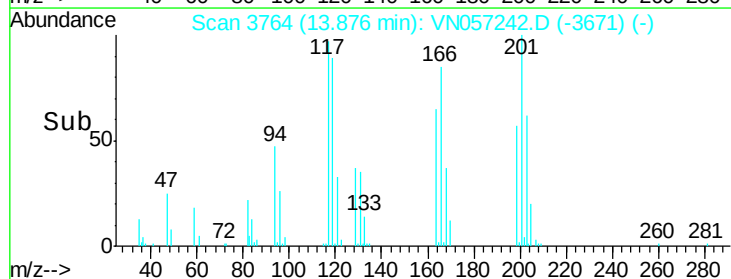
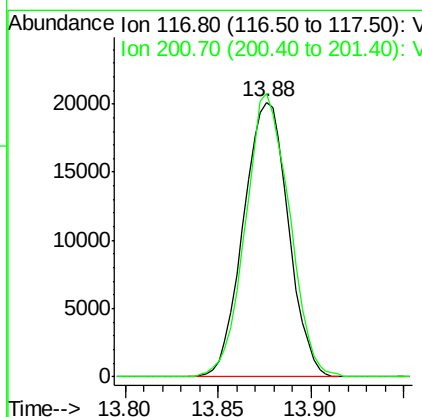
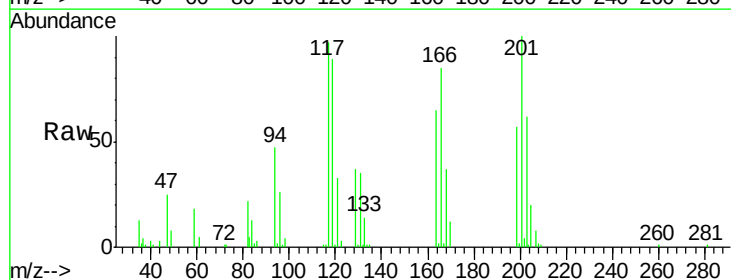
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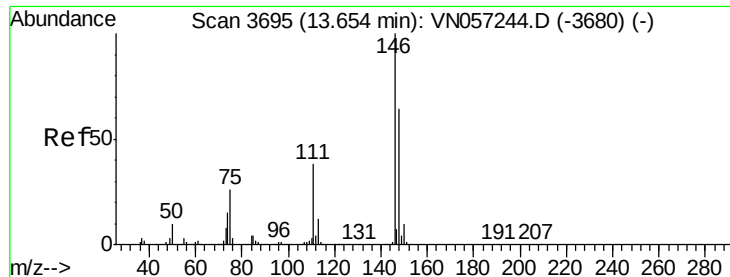
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#90
Hexachloroethane
Concen: 6.906 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057242.D
Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.1	49.5	148.5





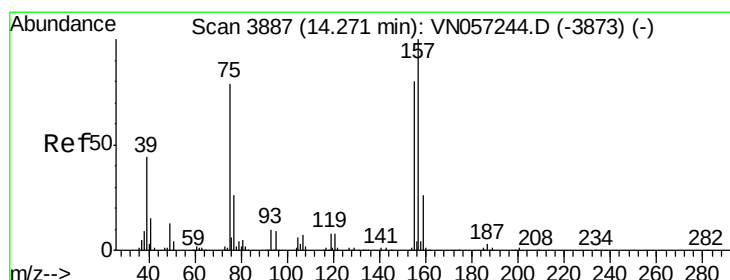
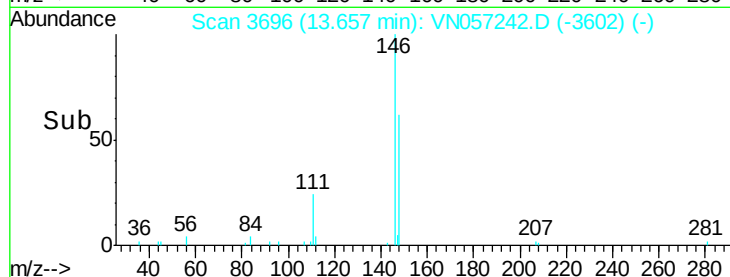
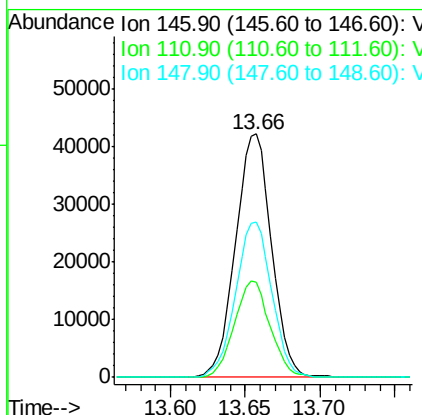
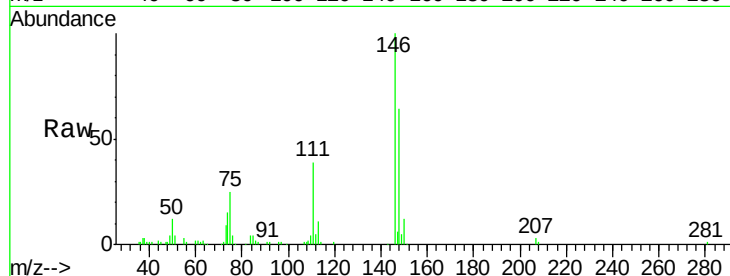
#91
 1,2-Dichlorobenzene
 Concen: 4.723 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	64.0	31.9	95.5

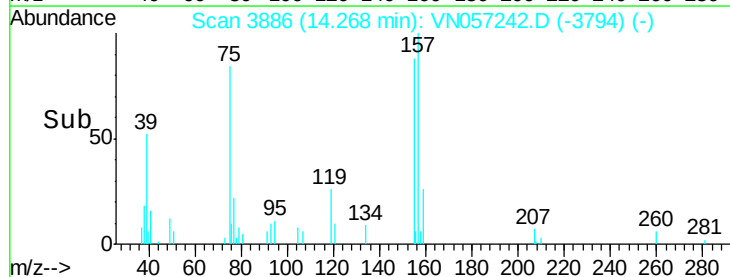
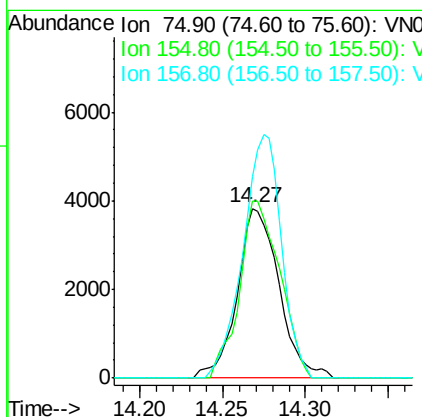
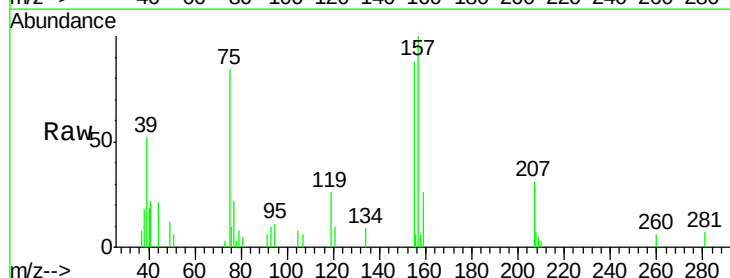
Manual Integrations
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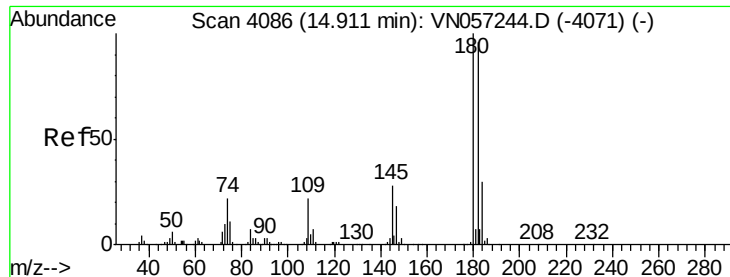
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.806 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	50.3	151.0
157	131.6	65.3	195.9





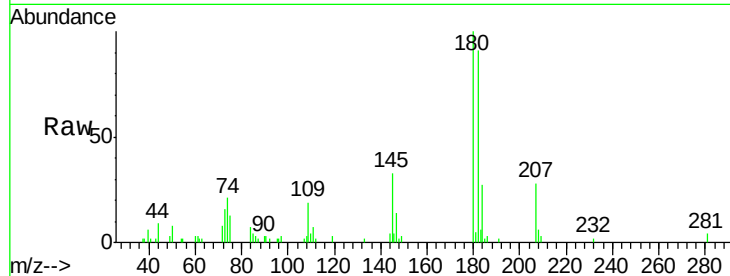
#93
 1,2,4-Trichlorobenzene
 Concen: 2.595 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

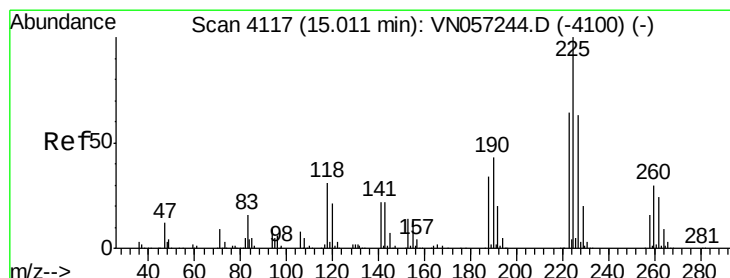
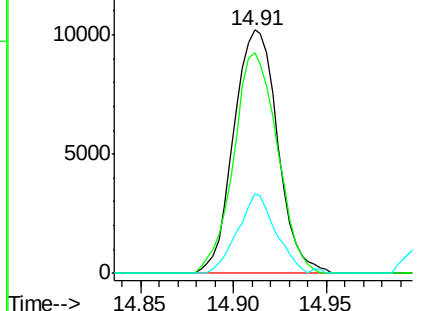
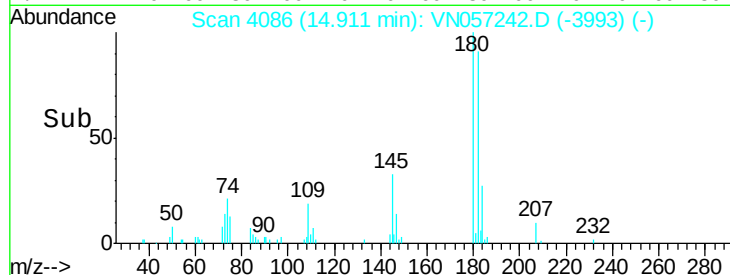
Tot Ion	Ratio	Lower	Upper
180	100		
182	90.5	47.7	143.1
145	28.3	14.2	42.6

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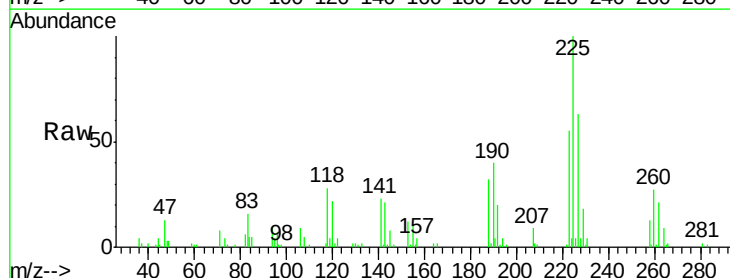


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

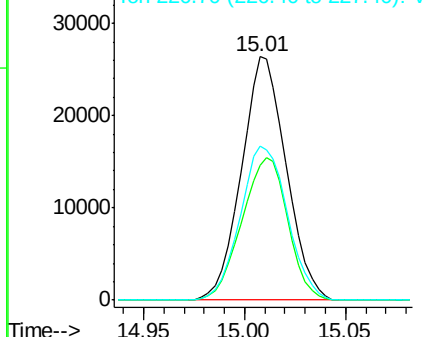
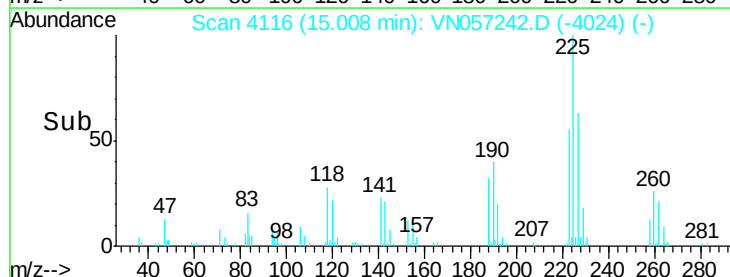


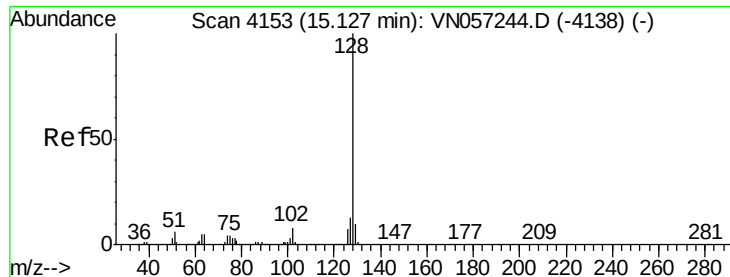
#94
 Hexachlorobutadiene
 Concen: 7.356 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057242.D
 Acq: 13 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.2
227	66.8	31.4	94.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.888 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Instrument :

MSVOA_N

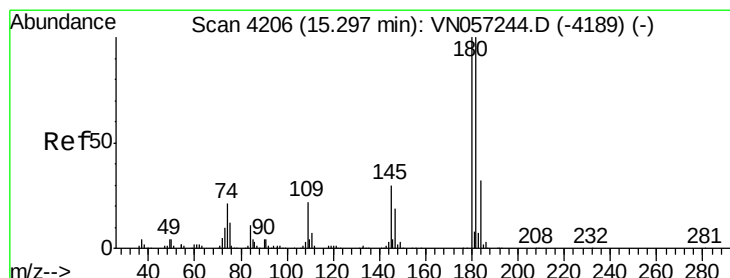
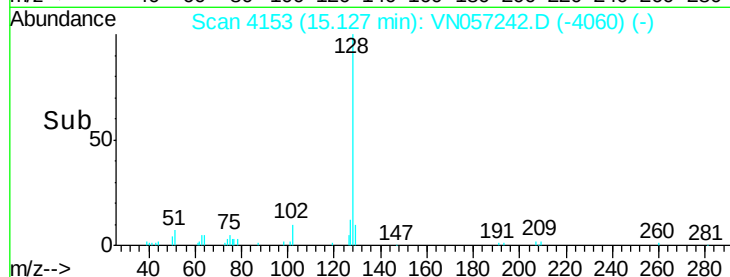
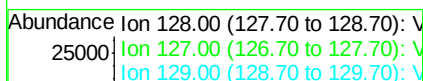
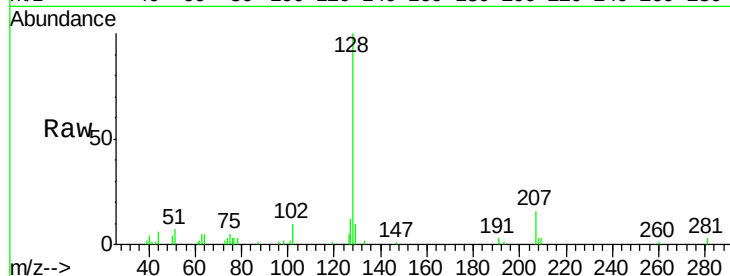
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	31382
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.4	15.6
129	11.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 2.312 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057242.D

Acq: 13 Aug 2019 11:51

Tgt Ion:	180	Resp:	15257
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.9	146.7
145	33.1	15.0	45.1

