LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.064	25	29	42	rVB	711331	823548	64.53%	8.017%
2	1.161	42	45	56	rVB2	73095	80971	6.34%	0.788%
3	1.393	77	83	90	rBV	22708	27054	2.12%	0.263%
4	2.430	247	253	261	rVB	44725	71091	5.57%	0.692%
5	2.558	268	274	278	rBV	10020	17782	1.39%	0.173%
6	2.844	313	321	329	rBV3	12934	32341	2.53%	0.315%
7	2.917	329	333	342	rVB	6020	13521	1.06%	0.132%
8	4.667	611	620	634	rBV5	7389	24360	1.91%	0.237%
9	5.197	701	707	717	rVB2	4341	13499	1.06%	0.131%
10	5.484	738	754	767	rBV	94189	270659	21.21%	2.635%
11	5.648	768	781	797	rVB	180282	509740	39.94%	4.962%
12	6.051	838	847	858	rBV	100438	264014	20.69%	2.570%
13	6.849	966	978	992	rBV	270633	653256	51.19%	6.359%
14	7.447	1065	1076	1083	rBV4	5067	14186	1.11%	0.138%
15	8.709	1272	1283	1291	rBV	552625	864832	67.77%	8.418%
16	9.038	1331	1337	1343	rVB2	15328	26018	2.04%	0.253%
17	9.325	1378	1384	1390	rBV4	7696	13761	1.08%	0.134%
18	10.105	1507	1512	1521	rBV	526567	732476	57.40%	7.130%
19	10.331	1540	1549	1551	rBV5	16092	32537	2.55%	0.317%
20	10.507	1573	1578	1585	rBV2	17659	29598	2.32%	0.288%
21	10.617	1592	1596	1599	rBV	12756	20491	1.61%	0.199%
22	10.654	1599	1602	1606	rVB2	12029	18446	1.45%	0.180%
23	10.709	1606	1611	1621	rVB5	8332	20555	1.61%	0.200%
24	11.062	1663	1669	1673	rBV3	11118	20502	1.61%	0.200%
25	11.129	1673	1680	1685	rVV	404871	537542	42.12%	5.233%
26	11.178	1685	1688	1692	rVB2	17545	24205	1.90%	0.236%
27	11.361	1714	1718	1720	rBV2	12567	17147	1.34%	0.167%
28	11.440	1728	1731	1735	rVB3	9359	13656	1.07%	0.133%
29	11.574	1750	1753	1762	rVB5	12767	20717	1.62%	0.202%
30	11.800	1786	1790	1797	rVB4	19217	29490	2.31%	0.287%
31	11.910	1802	1808	1811	rBV6	9122	17628	1.38%	0.172%
32	12.019	1821	1826	1831	rBV	1026135	1276177	100.00%	12.423%
33	12.074	1831	1835	1841	rVV	500692	625370	49.00%	6.087%
34	12.135	1842	1845	1854	rVB2	13487	22444	1.76%	0.218%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
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Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Title : SW846 8260

35	12.269	1862	1867	1869	rBV	26211	35787	2.80%	0.348%
36	12.318	1873	1875	1879	rVV	15501	19212	1.51%	0.187%
37	12.367	1879	1883	1890	rVB2	55497	84432	6.62%	0.822%
38	12.513	1903	1907	1913	rVB	35494	47226	3.70%	0.460%
39	12.580	1913	1918	1920	rBV2	86822	118953	9.32%	1.158%
40	12.605	1920	1922	1927	rVB	87267	94925	7.44%	0.924%
41	12.665	1927	1932	1936	rVB	167616	196541	15.40%	1.913%
42	12.763	1943	1948	1954	rBV4	44153	87388	6.85%	0.851%
43	12.897	1967	1970	1975	rVB	100736	127187	9.97%	1.238%
44	12.970	1975	1982	1986	rBV	282766	373169	29.24%	3.633%
45	13.013	1986	1989	1996	rVB	506894	588238	46.09%	5.726%
46	13.074	1996	1999	2000	rBV	19814	19772	1.55%	0.192%
47	13.098	2000	2003	2005	rBV	21505	19423	1.52%	0.189%
48	13.123	2005	2007	2009	rVB	29878	25869	2.03%	0.252%
49	13.147	2009	2011	2016	rVB3	15714	20914	1.64%	0.204%
50	13.220	2016	2023	2027	rBV3	50157	81063	6.35%	0.789%
51	13.263	2027	2030	2033	rBV2	15203	16383	1.28%	0.159%
52	13.306	2033	2037	2039	rBV2	58582	90616	7.10%	0.882%
53	13.342	2039	2043	2053	rVB2	289322	428735	33.60%	4.173%
54	13.421	2053	2056	2059	rBV	45619	45047	3.53%	0.438%
55	13.470	2059	2064	2072	rVB9	21385	51934	4.07%	0.506%
56	13.549	2073	2077	2083	rBV	20468	32611	2.56%	0.317%
57	13.629	2086	2090	2092	rBV	106491	130999	10.26%	1.275%
58	13.726	2102	2106	2110	rBV	54969	69934	5.48%	0.681%
59	13.830	2118	2123	2130	rVB	73799	120719	9.46%	1.175%
60	13.982	2145	2148	2152	rVB3	19970	24711	1.94%	0.241%
61	14.086	2163	2165	2168	rVB2	17463	16540	1.30%	0.161%
62	14.129	2168	2172	2175	rBV2	17720	23504	1.84%	0.229%
63	14.269	2191	2195	2199	rVB2	17108	22632	1.77%	0.220%
64	14.372	2207	2212	2216	rBV	26936	36106	2.83%	0.351%
65	14.689	2262	2264	2268	rVB	11602	13183	1.03%	0.128%
66	14.836	2285	2288	2293	rVB2	22056	29691	2.33%	0.289%

Sum of corrected areas: 10273058

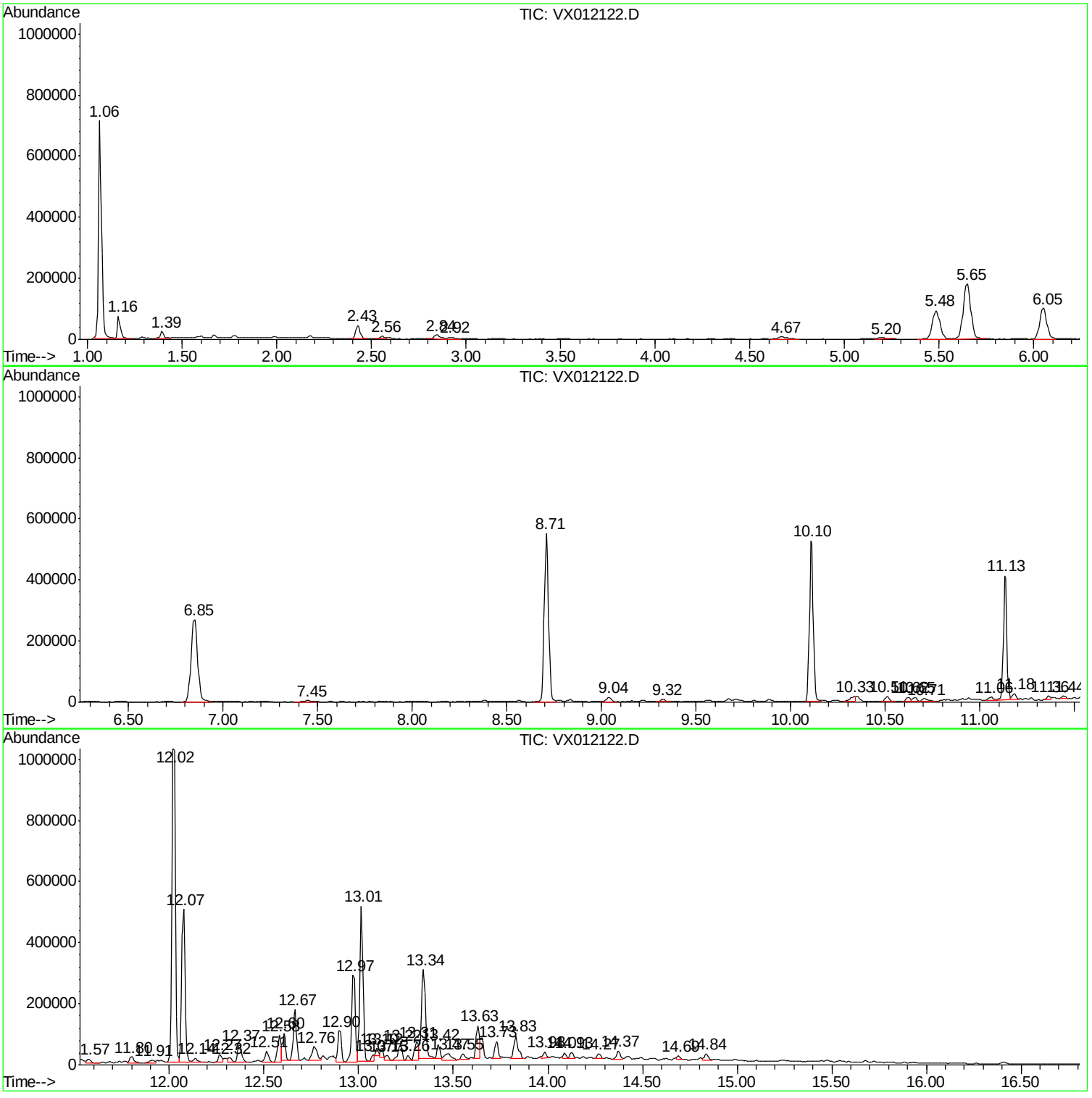
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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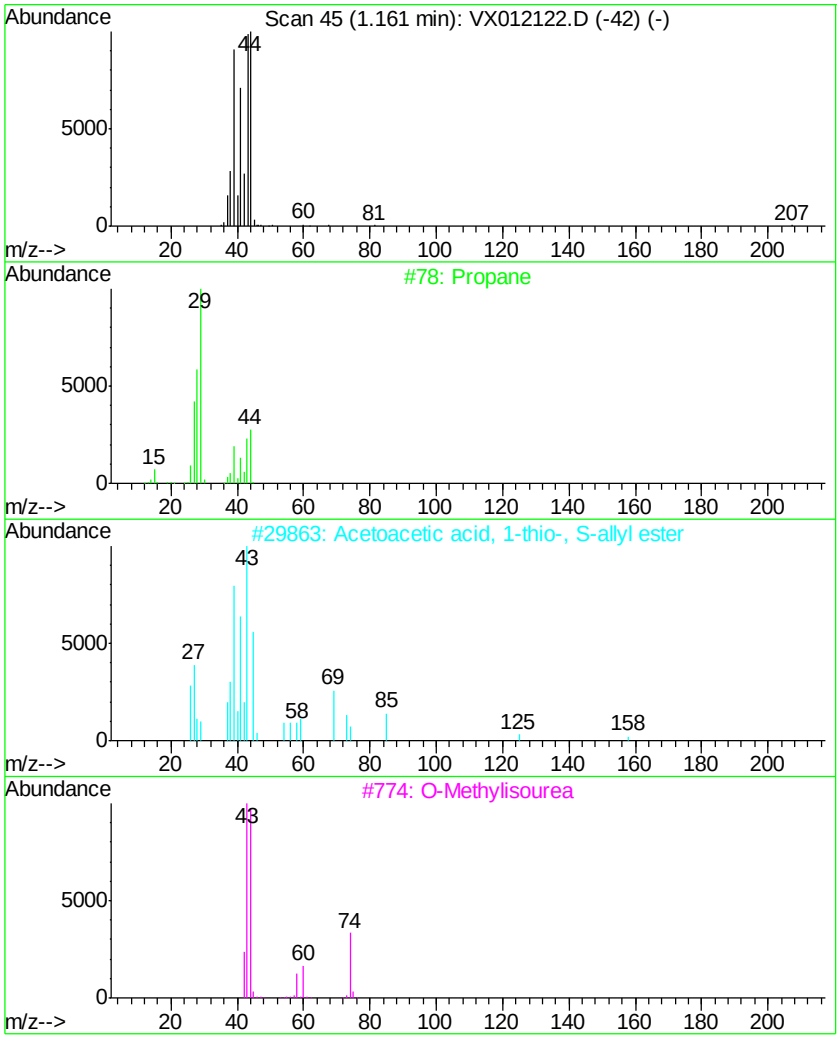
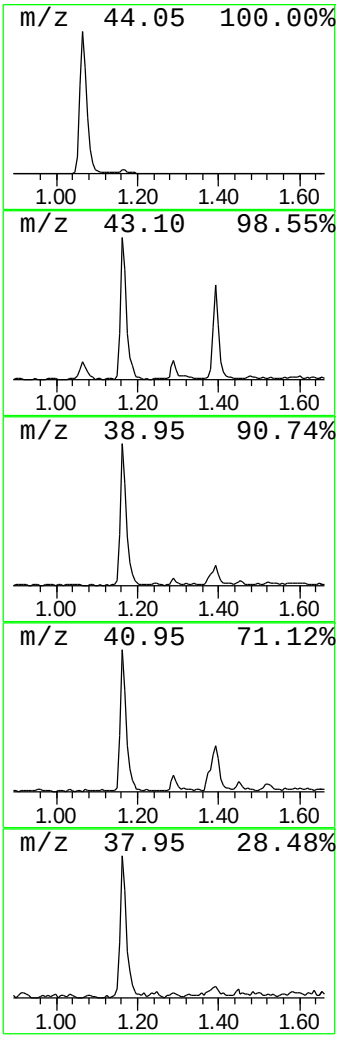
Peak Number 2 Propane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.16	7.94 ug/l	80971	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	83
2	Acetoacetic acid, 1-thio-, S-all...	158	C7H10O2S	015780-65-1	72
3	O-Methylisourea	74	C2H6N2O	002440-60-0	64
4	Imidazol-5(2H)-one, 4-amino-2-(2...	196	C7H8N4O3	318259-17-5	50
5	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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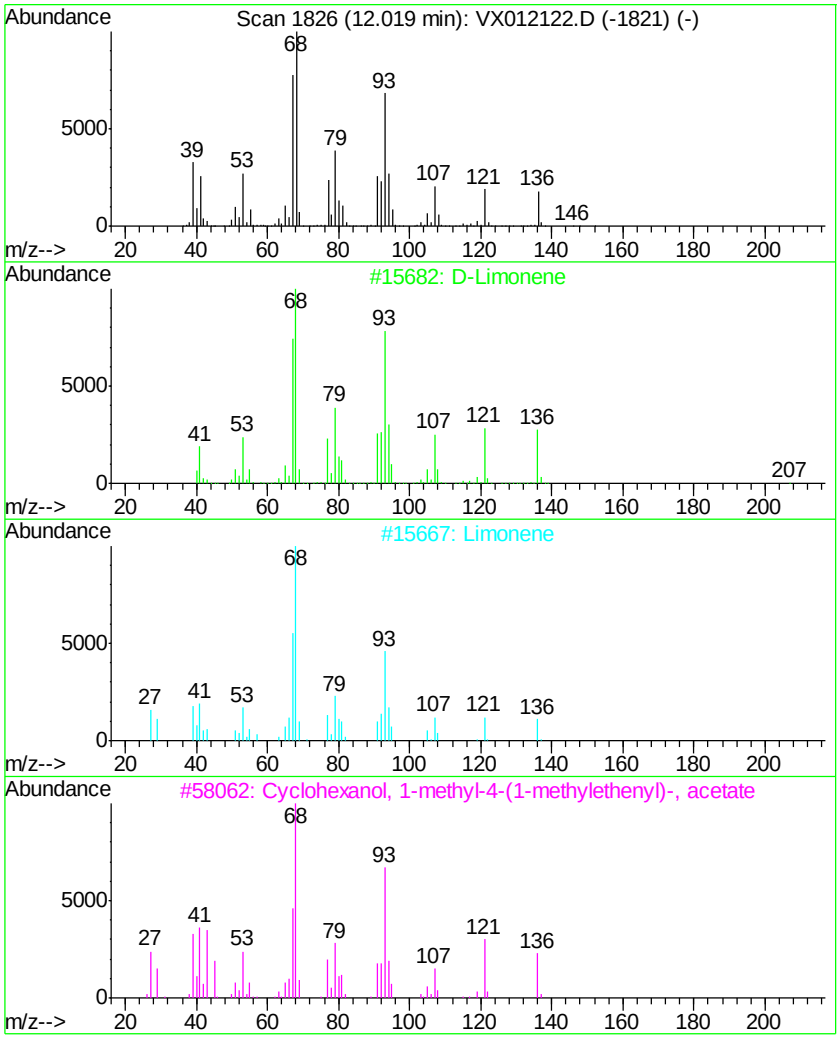
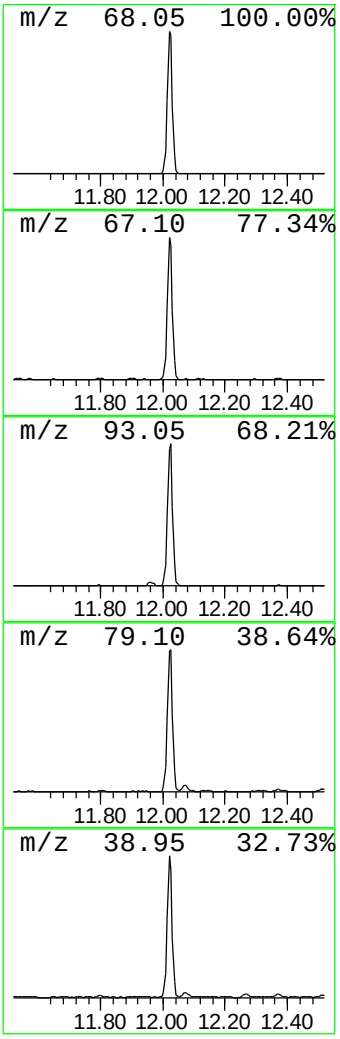
Peak Number 3 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	102.03 ug/l	1276180	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	Limonene	136	C10H16	000138-86-3	89
3	Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	72
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	62
5	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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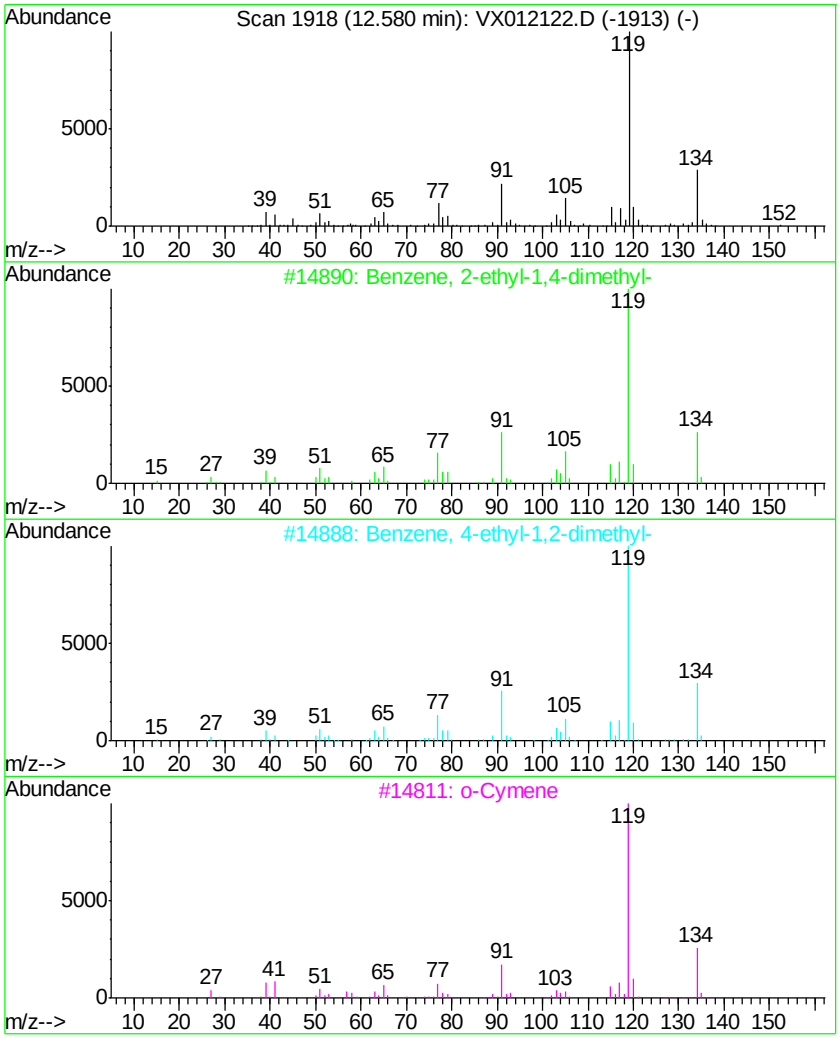
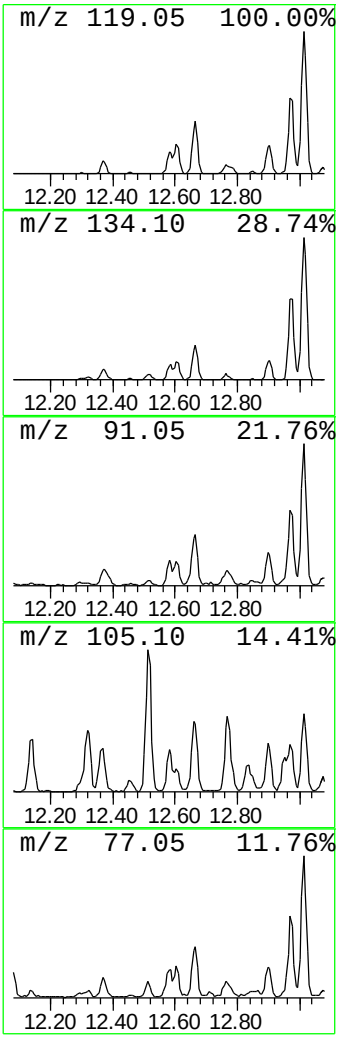
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	9.51 ug/l	118953	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

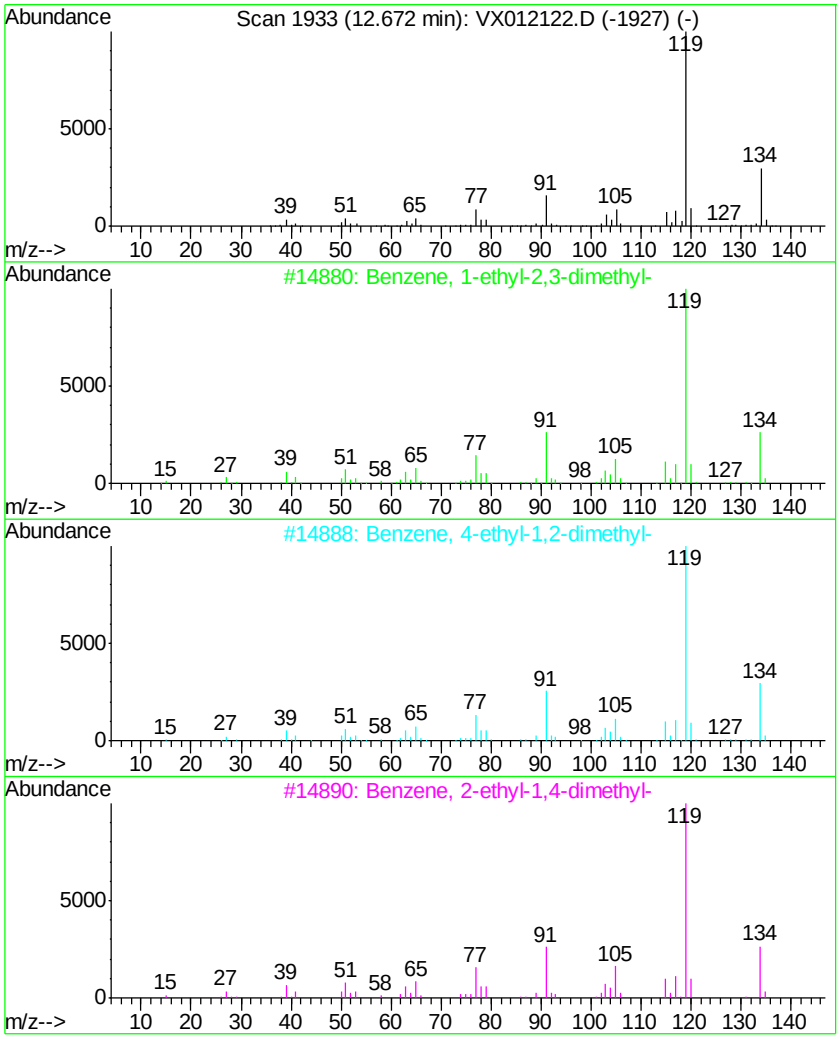
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

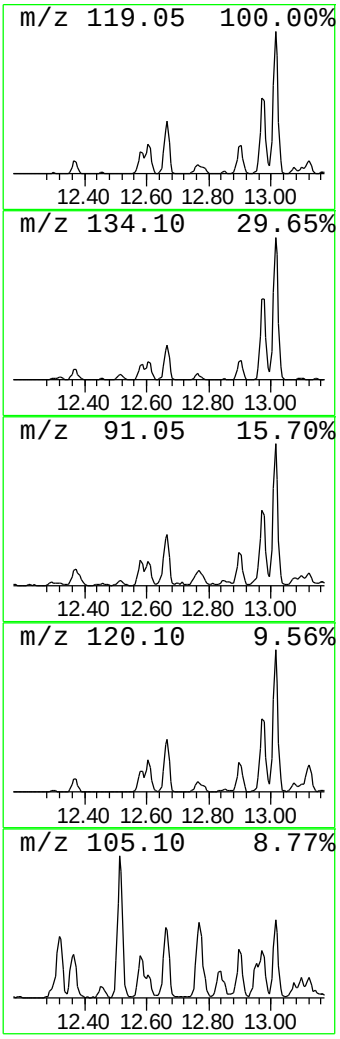
****

Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	15.71 ug/l	196541	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

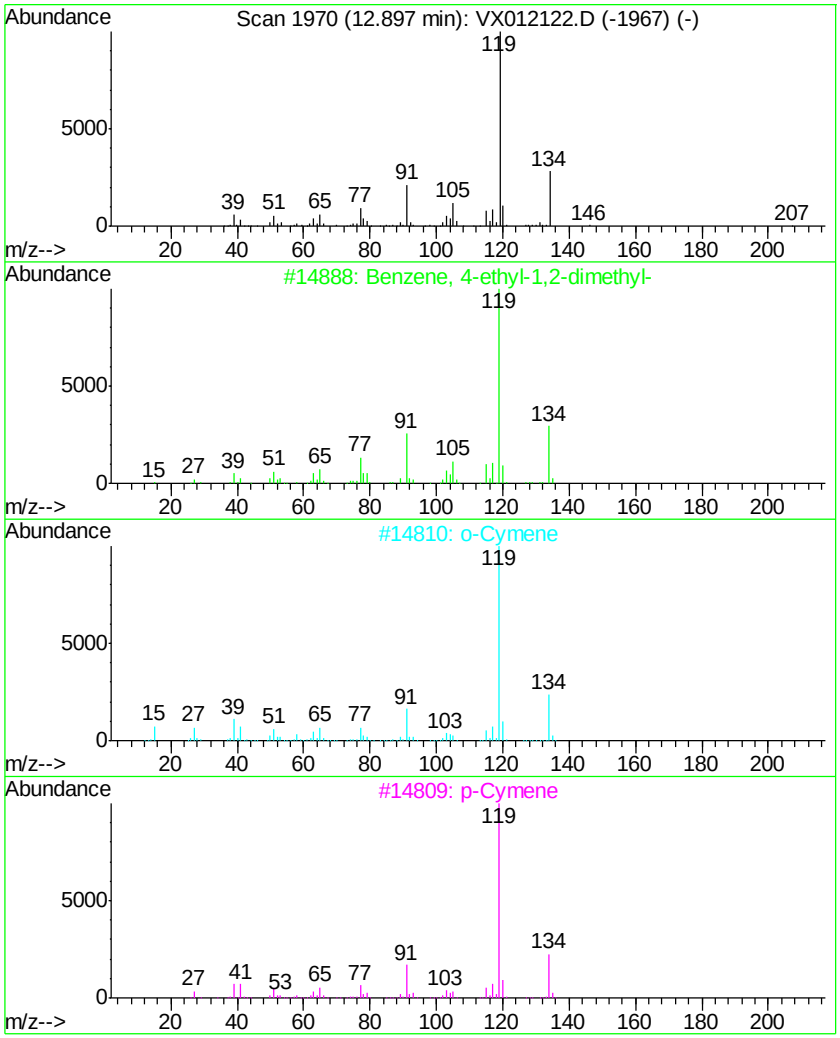
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

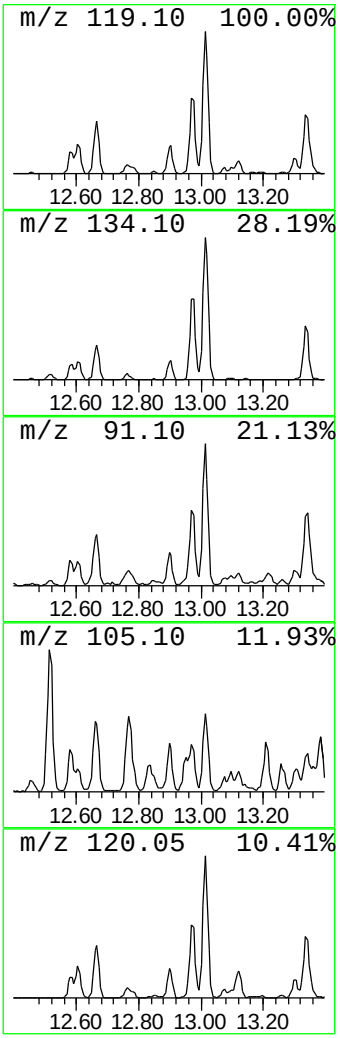
****

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	10.17 ug/l	127187	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





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Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

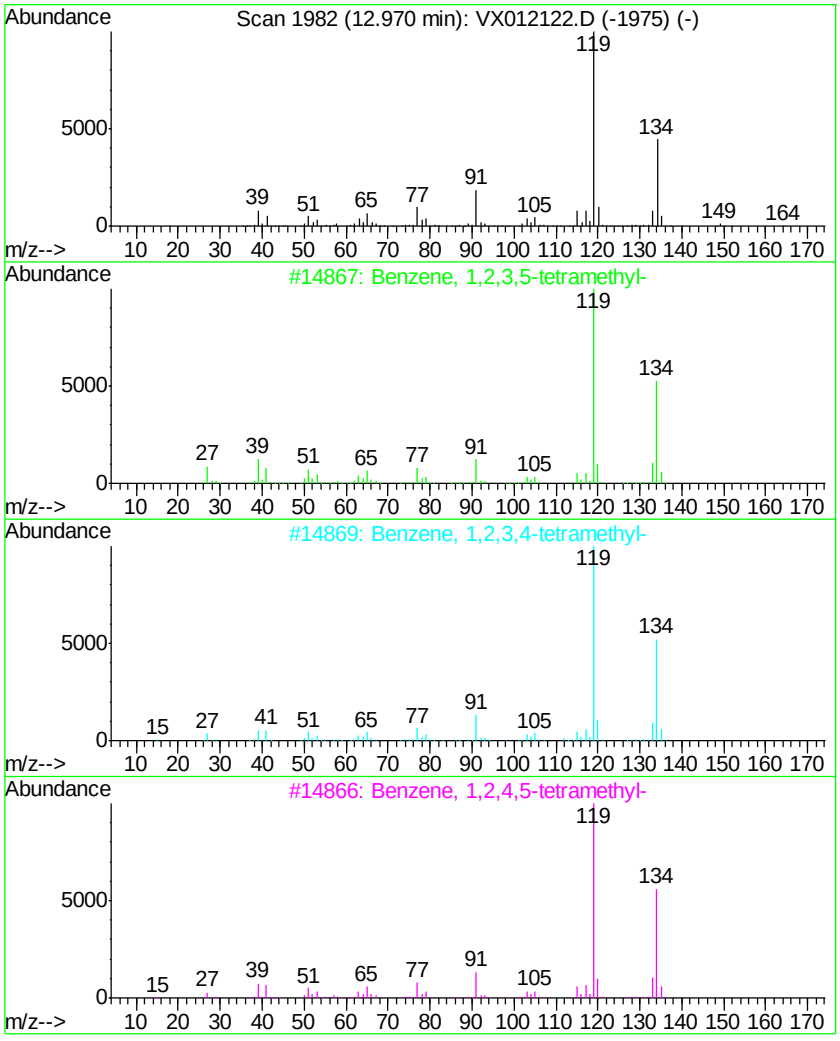
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

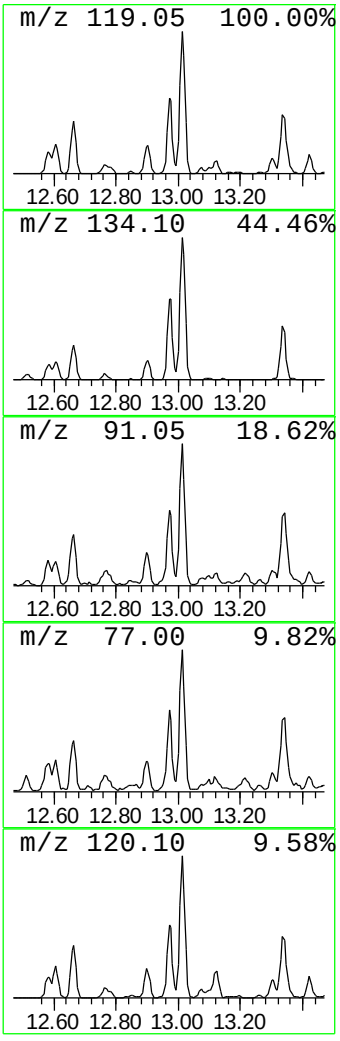
****

Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	29.84 ug/l	373169	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

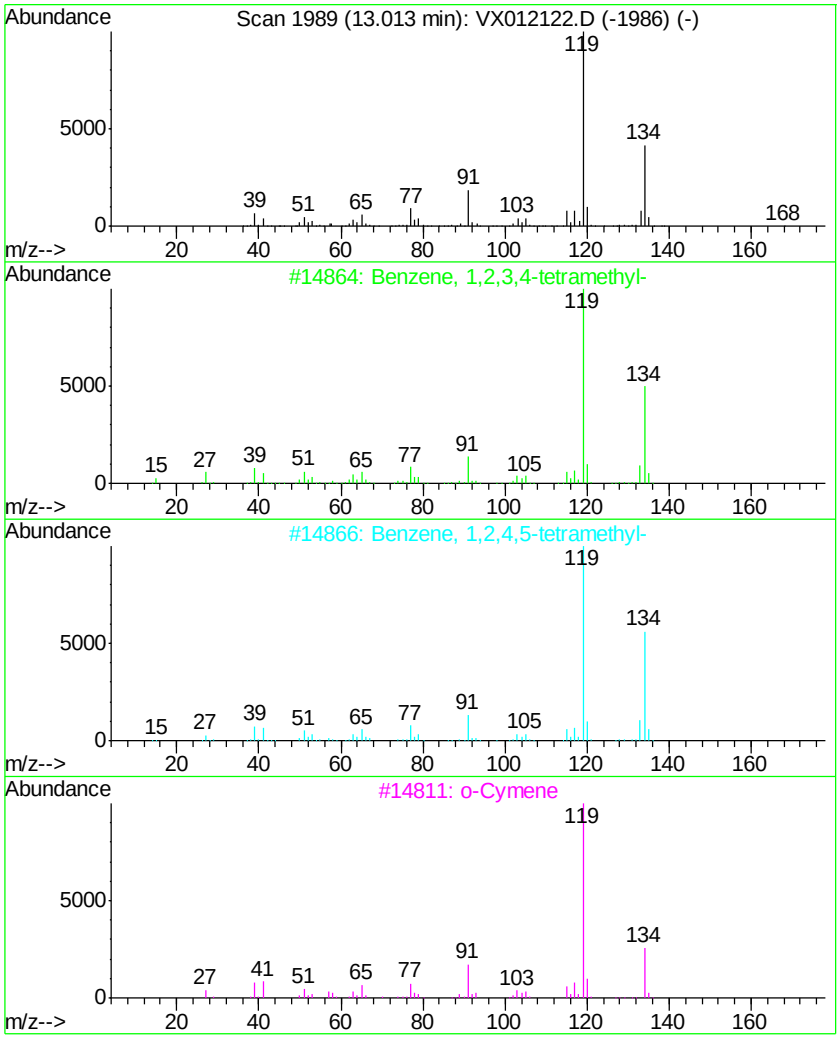
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

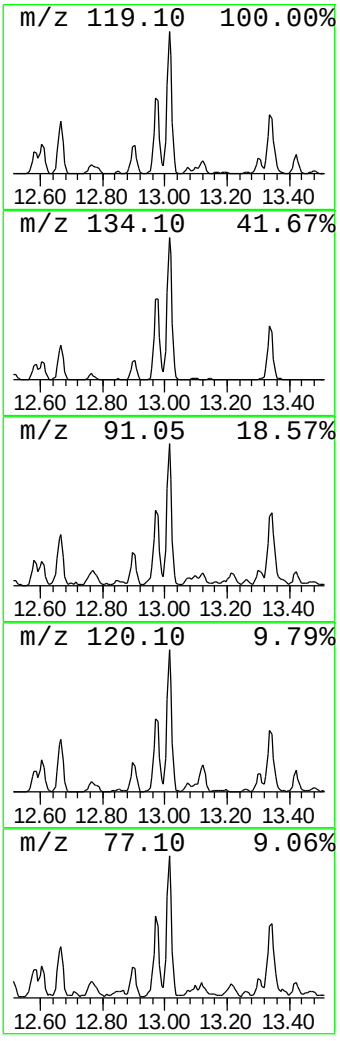
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	47.03 ug/l	588238	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

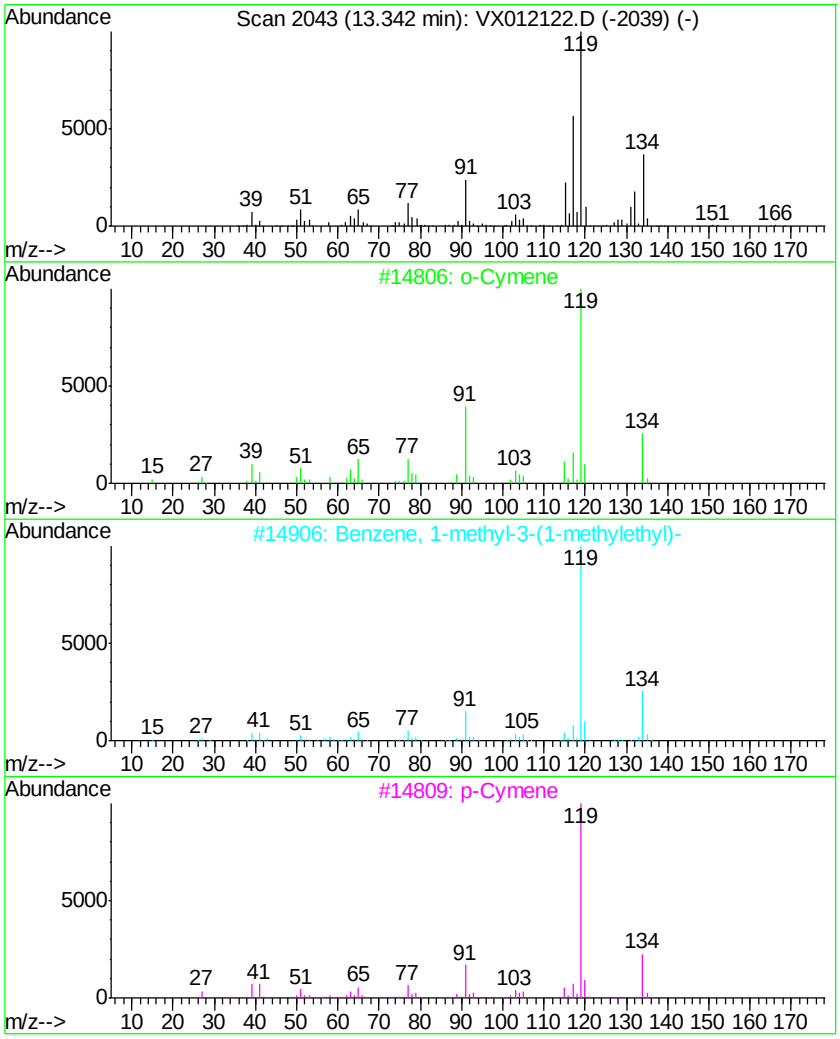
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

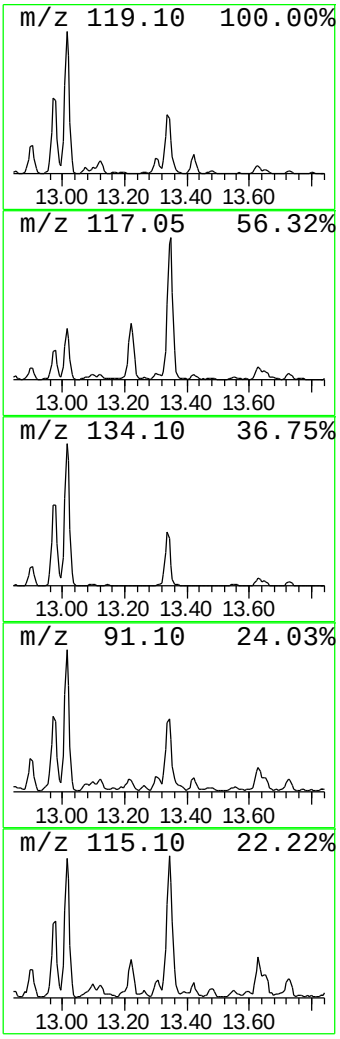
****

Peak Number 9 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	34.28 ug/l	428735	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	p-Cymene	134	C10H14	000099-87-6	60
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	58
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

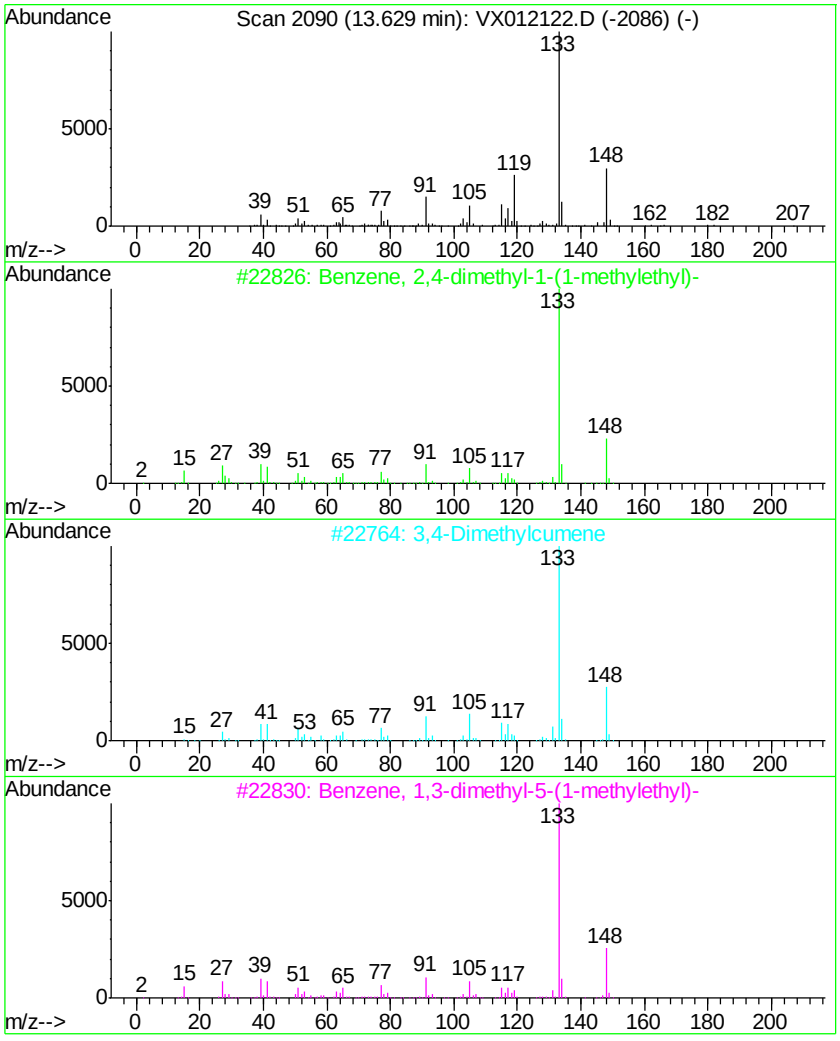
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

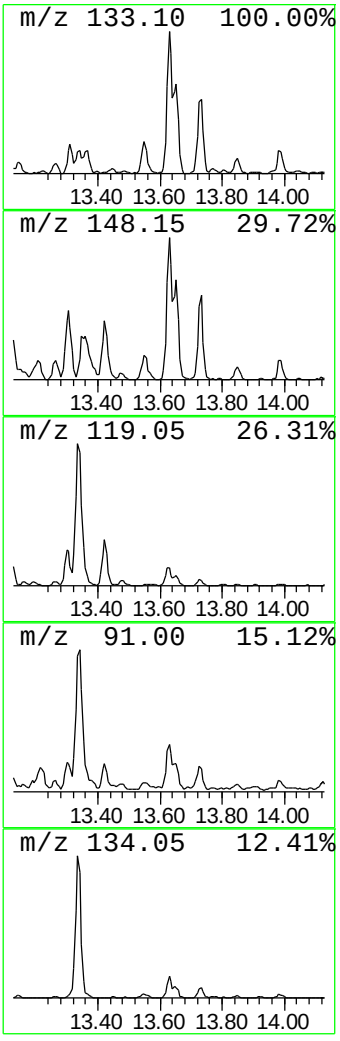
****

Peak Number 10 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	10.47 ug/l	130999	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	87
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
Data File : VX012122.D
Acq On : 06 Sep 2019 02:24
Operator : SY/SP
Sample : K4618-02
Misc : 6.63g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SB-4-12-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane	1.16	7.9	ug/l	80971	1	5.65	509740	50.0
D-Limonene	12.02	102.0	ug/l	1276180	4	12.07	625370	50.0
Benzene, 2-ethyl-...	12.58	9.5	ug/l	118953	4	12.07	625370	50.0
Benzene, 1-ethyl-...	12.67	15.7	ug/l	196541	4	12.07	625370	50.0
Benzene, 4-ethyl-...	12.90	10.2	ug/l	127187	4	12.07	625370	50.0
Benzene, 1,2,3,5-...	12.97	29.8	ug/l	373169	4	12.07	625370	50.0
Benzene, 1,2,3,4-...	13.01	47.0	ug/l	588238	4	12.07	625370	50.0
o-Cymene	13.34	34.3	ug/l	428735	4	12.07	625370	50.0
Benzene, 2,4-dime...	13.63	10.5	ug/l	130999	4	12.07	625370	50.0